



November 28, 2017

Reference No. 11115796

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

Dear Mr. Richard:

**Re: Groundwater Monitoring, October 2017
Rhineland Landfill (#00686)**

On behalf of the Rhineland Landfill Group (RLG), GHD Services, Inc. (GHD) is submitting the semi-annual sampling results for the October 2017 sampling event for the Rhineland Landfill in Rhineland, Wisconsin.

The October 2017 sampling event was conducted on October 9-11, 2017. Sampling activities were conducted according to the specifications agreed upon in the Groundwater Monitoring Plan sent by the Wisconsin Department of Natural Resources (WDNR) in a letter to the City of Rhineland dated April 29, 2016.

A total of 20 monitoring wells (2A, 2B, 3A, 4A, 5A, 16A, 16B, 16C, 18A, 18B, 18C, 20A, 20B, 20C, 21A, 25B, 26B, 26C, 27B, and 28A) were sampled as a part of the sampling event. An additional three monitoring wells (19B, 19C, and 28B) were purged in order to collect field parameters only. Figure 1 presents the location of the wells. The results from the sampling event are consistent with historical results.

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

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

The next scheduled sampling event is currently scheduled for April 2018.



Should you have any questions regarding this matter, please do not hesitate to call.

Sincerely,

GHD

A handwritten signature in black ink, appearing to read "Ryan Aamot". The signature is fluid and cursive, with a prominent initial "R".

Ryan Aamot

A handwritten signature in black ink, appearing to read "Chris Rog". The signature is cursive and somewhat stylized, with a prominent initial "C".

Chris Rog

RA/sb/3

Encl.

cc: Carrie Miljevich, City of Rhinelander (via email)
Phil Slowiak, International Paper (via email)
Brian Heim, International Paper (via email)
Linda Benfield, Foley & Lardner (via email)
Bruce White, Barnes & Thornburg (via email)
GEMS Data Submittal

Attachment A
WDNR Form 4400 231

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

Instructions:

- **Prepare one form for each license or monitoring ID.**
- **Please type or print legibly.**
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
 Wisconsin Department of Natural Resources
 P.O. Box 7921
 Madison, WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner)

GHD Services Inc.

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

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

Email
 dan.milewsky@pacelabs.com

Facility Name
 Former City of Rhinelander Landfill

License # / Monitoring ID	Facility ID (FID)
00686	

Actual sampling dates (e.g., July 2-6, 2003)	The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)
October 9 - 11, 2017	October 2017

Type of Data Submitted (Check all that apply):

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


Notification attached?

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

Certification

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

Facility Representative Name (Print)	Title	Phone No. (include area code)
Ryan Aamot	Project Manager	651-639-0913

Signature 

11/28/17
 Date Signed (mm/dd/yyyy)

For DNR Use Only

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

Found uploading problems on _____ Initials _____

Notified contact of problems on _____ Uploaded data successfully on _____

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

Attachment B Enforcement Standard and Preventative Action Limit

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/11/2017	007	34030	18.9	ug/L	ES		158519005	MW-2A	01	Benzene	0.5	5
10/11/2017	007	01020	1430	ug/L	ES		158519005	MW-2A	01	Boron, Dissolved	200	1000
10/11/2017	007	01046	49800	ug/L	ES		158519005	MW-2A	01	Iron, Dissolved	150	300
10/11/2017	007	01056	1050	ug/L	ES		158519005	MW-2A	01	Manganese, Dissolved	25	50
10/11/2017	007	00610	214	mg/L	ES		158519005	MW-2A	01	Nitrogen, Ammonia	0.97	9.7
10/11/2017	007	81607	133	ug/L	ES		158519005	MW-2A	01	Tetrahydrofuran	10	50
10/11/2017	009	34030	J 0.74	ug/L	PAL		158519006	MW-2B	01	Benzene	0.5	5
10/11/2017	009	01046	21100	ug/L	ES		158519006	MW-2B	01	Iron, Dissolved	150	300
10/11/2017	009	01056	1350	ug/L	ES		158519006	MW-2B	01	Manganese, Dissolved	25	50
10/11/2017	009	81607	10.6	ug/L	PAL		158519006	MW-2B	01	Tetrahydrofuran	10	50
10/11/2017	013	34030	1.8	ug/L	PAL		158519008	MW-3A	01	Benzene	0.5	5
10/11/2017	013	34418	7	ug/L	PAL		158519008	MW-3A	01	Chloromethane	3	30
10/11/2017	013	01046	48300	ug/L	ES		158519008	MW-3A	01	Iron, Dissolved	150	300
10/11/2017	013	01056	4750	ug/L	ES		158519008	MW-3A	01	Manganese, Dissolved	25	50
10/11/2017	013	34423	1	ug/L	PAL		158519008	MW-3A	01	Methylene Chloride	0.5	5
10/11/2017	013	00610	86.4	mg/L	ES		158519008	MW-3A	01	Nitrogen, Ammonia	0.97	9.7
10/11/2017	013	81607	82.7	ug/L	ES		158519008	MW-3A	01	Tetrahydrofuran	10	50
10/10/2017	023	00940	281	mg/L	ES		158450012	MW-5A	01	Chloride	125	250
10/10/2017	023	01056	609	ug/L	ES		158450012	MW-5A	01	Manganese, Dissolved	25	50
10/10/2017	069	34030	1.1	ug/L	PAL		158450007	MW-16A	01	Benzene	0.5	5
10/10/2017	069	01046	2470	ug/L	ES		158450007	MW-16A	01	Iron, Dissolved	150	300
10/10/2017	069	01056	5220	ug/L	ES		158450007	MW-16A	01	Manganese, Dissolved	25	50
10/10/2017	069	39175	1.1	ug/L	ES		158450007	MW-16A	01	Vinyl chloride	0.02	0.2

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTriplictate; 09-Non-field Lab Replicate
 < qualifier indicates reported value (RV) was not detected at or above the MDL.

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/10/2017	071	34030	1.2	ug/L	PAL		158450009	MW-16B	01	Benzene	0.5	5
10/10/2017	071	01046	38800	ug/L	ES		158450009	MW-16B	01	Iron, Dissolved	150	300
10/10/2017	071	01056	4000	ug/L	ES		158450009	MW-16B	01	Manganese, Dissolved	25	50
10/10/2017	071	39175	J 0.24	ug/L	ES		158450009	MW-16B	01	Vinyl chloride	0.02	0.2
10/10/2017	073	34030	1.3	ug/L	PAL		158450008	MW-16C	01	Benzene	0.5	5
10/10/2017	073	01046	27100	ug/L	ES		158450008	MW-16C	01	Iron, Dissolved	150	300
10/10/2017	073	01056	2190	ug/L	ES		158450008	MW-16C	01	Manganese, Dissolved	25	50
10/10/2017	073	81607	12.9	ug/L	PAL		158450008	MW-16C	01	Tetrahydrofuran	10	50
10/10/2017	073	39175	J 0.22	ug/L	ES		158450008	MW-16C	01	Vinyl chloride	0.02	0.2
10/9/2017	081	01046	2880	ug/L	ES		158450001	MW-18A	01	Iron, Dissolved	150	300
10/9/2017	081	01056	1020	ug/L	ES		158450001	MW-18A	01	Manganese, Dissolved	25	50
10/9/2017	081	39180	1.7	ug/L	PAL		158450001	MW-18A	01	Trichloroethene	0.5	5
10/9/2017	081	39175	J 0.36	ug/L	ES		158450001	MW-18A	01	Vinyl chloride	0.02	0.2
10/9/2017	083	00940	157	mg/L	PAL		158450004	MW-18B	01	Chloride	125	250
10/9/2017	083	01056	2030	ug/L	ES		158450004	MW-18B	01	Manganese, Dissolved	25	50
10/9/2017	083	34475	1.1	ug/L	PAL		158450004	MW-18B	01	Tetrachloroethene	0.5	5
10/9/2017	083	39180	10.7	ug/L	ES		158450004	MW-18B	01	Trichloroethene	0.5	5
10/9/2017	085	00940	162	mg/L	PAL		158450003	MW-18C	02	Chloride	125	250
10/9/2017	085	00940	162	mg/L	PAL		158450002	MW-18C	01	Chloride	125	250
10/9/2017	085	01056	1220	ug/L	ES		158450003	MW-18C	02	Manganese, Dissolved	25	50
10/9/2017	085	01056	1240	ug/L	ES		158450002	MW-18C	01	Manganese, Dissolved	25	50
10/9/2017	085	34475	1.2	ug/L	PAL		158450003	MW-18C	02	Tetrachloroethene	0.5	5
10/9/2017	085	34475	1.3	ug/L	PAL		158450002	MW-18C	01	Tetrachloroethene	0.5	5

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTriplictate; 09-Non-field Lab Replicate
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Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/9/2017	085	39180	13.7	ug/L	ES		158450002	MW-18C	01	Trichloroethene	0.5	5
10/9/2017	085	39180	15.1	ug/L	ES		158450003	MW-18C	02	Trichloroethene	0.5	5
10/10/2017	093	34030	2.1	ug/L	PAL		158519001	MW-20A	01	Benzene	0.5	5
10/10/2017	093	01020	782	ug/L	PAL		158519001	MW-20A	01	Boron, Dissolved	200	1000
10/10/2017	093	01046	114000	ug/L	ES		158519001	MW-20A	01	Iron, Dissolved	150	300
10/10/2017	093	01056	1130	ug/L	ES		158519001	MW-20A	01	Manganese, Dissolved	25	50
10/10/2017	093	34696	12.9	ug/L	PAL		158519001	MW-20A	01	Naphthalene	10	100
10/10/2017	095	34030	J 0.68	ug/L	PAL		158519003	MW-20B	01	Benzene	0.5	5
10/10/2017	095	01046	15700	ug/L	ES		158519003	MW-20B	01	Iron, Dissolved	150	300
10/10/2017	095	01056	1120	ug/L	ES		158519003	MW-20B	01	Manganese, Dissolved	25	50
10/10/2017	097	34030	J 0.77	ug/L	PAL		158519002	MW-20C	01	Benzene	0.5	5
10/10/2017	097	01046	21300	ug/L	ES		158519002	MW-20C	01	Iron, Dissolved	150	300
10/10/2017	097	01056	1430	ug/L	ES		158519002	MW-20C	01	Manganese, Dissolved	25	50
10/11/2017	099	01020	1220	ug/L	ES		158519007	MW-21A	01	Boron, Dissolved	200	1000
10/11/2017	099	01046	39600	ug/L	ES		158519007	MW-21A	01	Iron, Dissolved	150	300
10/11/2017	099	01056	1220	ug/L	ES		158519007	MW-21A	01	Manganese, Dissolved	25	50
10/11/2017	099	00610	267	mg/L	ES		158519007	MW-21A	01	Nitrogen, Ammonia	0.97	9.7
10/11/2017	099	81607	189	ug/L	ES		158519007	MW-21A	01	Tetrahydrofuran	10	50
10/11/2017	099	39180	J 5.4	ug/L	ES		158519007	MW-21A	01	Trichloroethene	0.5	5
10/10/2017	128	01056	193	ug/L	ES		158450011	MW-25B	01	Manganese, Dissolved	25	50
10/10/2017	128	39175	1.4	ug/L	ES		158450011	MW-25B	01	Vinyl chloride	0.02	0.2
10/9/2017	129	01046	457	ug/L	ES		158450005	MW-26B	01	Iron, Dissolved	150	300
10/9/2017	129	01056	666	ug/L	ES		158450005	MW-26B	01	Manganese, Dissolved	25	50

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
 < qualifier indicates reported value (RV) was not detected at or above the MDL.

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
10/10/2017	130	01056	179	ug/L	ES		158450010	MW-27B	01	Manganese, Dissolved	25	50
10/9/2017	133	34030	J 0.86	ug/L	PAL		158450006	MW-26C	01	Benzene	0.5	5
10/9/2017	133	01046	1050	ug/L	ES		158450006	MW-26C	01	Iron, Dissolved	150	300
10/9/2017	133	01056	2830	ug/L	ES		158450006	MW-26C	01	Manganese, Dissolved	25	50
10/9/2017	133	39175	4.8	ug/L	ES		158450006	MW-26C	01	Vinyl chloride	0.02	0.2
10/10/2017	136	34030	J 0.64	ug/L	PAL		158519004	MW-28A	01	Benzene	0.5	5
10/10/2017	136	01020	210	ug/L	PAL		158519004	MW-28A	01	Boron, Dissolved	200	1000
10/10/2017	136	01046	7200	ug/L	ES		158519004	MW-28A	01	Iron, Dissolved	150	300
10/10/2017	136	01056	1640	ug/L	ES		158519004	MW-28A	01	Manganese, Dissolved	25	50
10/10/2017	136	81607	19	ug/L	PAL		158519004	MW-28A	01	Tetrahydrofuran	10	50
10/10/2017	136	39175	1.5	ug/L	ES		158519004	MW-28A	01	Vinyl chloride	0.02	0.2

Exceedance type: PAL-Preventive Action Limit; ES-Enforcement Standard; *-EnforcementStandard Within DMZ; ACL-Alternative Concentration Limit.
 MSI: 01-Sample; 02-Sample Duplicate; 03-SampleTripligate; 09-Non-field Lab Replicate
 < qualifier indicates reported value (RV) was not detected at or above the MDL.

Attachment C Laboratory Analytical Reports

October 25, 2017

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

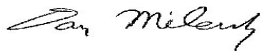
RE: Project: 11115796 RHINELANDER LF
Pace Project No.: 40158450

Dear Grant Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 11, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40158450001	MW-18A	Water	10/09/17 15:20	10/11/17 09:55
40158450002	MW-18C	Water	10/09/17 15:30	10/11/17 09:55
40158450003	MW-18C DUP	Water	10/09/17 15:30	10/11/17 09:55
40158450004	MW-18B	Water	10/09/17 16:10	10/11/17 09:55
40158450005	MW-26B	Water	10/09/17 17:04	10/11/17 09:55
40158450006	MW-26C	Water	10/09/17 17:15	10/11/17 09:55
40158450007	MW-16A	Water	10/10/17 08:40	10/11/17 09:55
40158450008	MW-16C	Water	10/10/17 08:50	10/11/17 09:55
40158450009	MW-16B	Water	10/10/17 09:25	10/11/17 09:55
40158450010	MW-27B	Water	10/10/17 10:05	10/11/17 09:55
40158450011	MW-25B	Water	10/10/17 11:04	10/11/17 09:55
40158450012	MW-5A	Water	10/10/17 11:45	10/11/17 09:55
40158450013	MW-4A	Water	10/10/17 12:20	10/11/17 09:55
40158450014	TRIP BLANK	Water	10/10/17 00:00	10/11/17 09:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40158450001	MW-18A	EPA 6010	JLD	3
		EPA 8260	HNW	65
			RMW	6
		EPA 300.0	HMB	1
40158450002	MW-18C	EPA 310.2	DAW	1
		EPA 6010	JLD	3
		EPA 8260	HNW	65
			RMW	6
40158450003	MW-18C DUP	EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	4
		EPA 8260	HNW	65
40158450004	MW-18B		RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	3
40158450005	MW-26B	EPA 8260	HNW	65
			RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
40158450006	MW-26C	EPA 6010	JLD	3
		EPA 8260	HNW	65
			RMW	6
		EPA 300.0	HMB	1
40158450007	MW-16A	EPA 310.2	DAW	1
		EPA 6010	JLD	3
		EPA 8260	HNW	65
			RMW	6
40158450008	MW-16C	EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	3
		EPA 8260	HNW	65

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40158450009	MW-16B		RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	3
		EPA 8260	HNW	65
40158450010	MW-27B		RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	3
		EPA 8260	HNW	65
40158450011	MW-25B		RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	4
		EPA 8260	HNW	65
40158450012	MW-5A		RMW	5
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	3
		EPA 8260	HNW	65
40158450013	MW-4A		RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	3
		EPA 8260	HNW	65
40158450014	TRIP BLANK		RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 8260	HNW	65

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-18A **Lab ID: 40158450001** Collected: 10/09/17 15:20 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	2880	ug/L	100	15.5	1		10/13/17 19:44	7439-89-6	
Manganese, Dissolved	1020	ug/L	5.0	1.1	1		10/13/17 19:44	7439-96-5	
Total Hardness by 2340B, Dissolved	236	mg/L	2.0	0.15	1		10/13/17 19:44		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 17:50	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 17:50	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 17:50	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 17:50	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 17:50	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 17:50	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 17:50	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 17:50	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 17:50	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 17:50	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 17:50	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 17:50	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/13/17 17:50	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 17:50	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 17:50	75-35-4	
cis-1,2-Dichloroethene	2.2	ug/L	1.0	0.26	1		10/13/17 17:50	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 17:50	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 17:50	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 17:50	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 17:50	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 17:50	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 17:50	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 17:50	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-18A **Lab ID: 40158450001** Collected: 10/09/17 15:20 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 17:50	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 17:50	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 17:50	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 17:50	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 17:50	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/13/17 17:50	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 17:50	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 17:50	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 17:50	79-00-5	
Trichloroethene	1.7	ug/L	1.0	0.33	1		10/13/17 17:50	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 17:50	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	108-67-8	
Vinyl chloride	0.36J	ug/L	1.0	0.18	1		10/13/17 17:50	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 17:50	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 17:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		10/13/17 17:50	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		1		10/13/17 17:50	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/13/17 17:50	2037-26-5	
Field Data		Analytical Method:							
Field pH	8.31	Std. Units			1		10/09/17 15:20		
Field Specific Conductance	693	umhos/cm			1		10/09/17 15:20		
Oxygen, Dissolved	17.61	mg/L			1		10/09/17 15:20	7782-44-7	
REDOX	101	mV			1		10/09/17 15:20		
Turbidity	0	NTU			1		10/09/17 15:20		
Temperature, Water (C)	12.55	deg C			1		10/09/17 15:20		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	67.6	mg/L	10.0	2.5	5		10/18/17 15:28	16887-00-6	
310.2 Alkalinity		Analytical Method: EPA 310.2							
Alkalinity, Total as CaCO3	181	mg/L	23.5	7.0	1		10/13/17 10:29		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-18C **Lab ID: 40158450002** Collected: 10/09/17 15:30 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	<15.5	ug/L	100	15.5	1		10/13/17 19:47	7439-89-6	
Manganese, Dissolved	1240	ug/L	5.0	1.1	1		10/13/17 19:47	7439-96-5	
Total Hardness by 2340B, Dissolved	334	mg/L	2.0	0.15	1		10/13/17 19:47		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 20:50	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 20:50	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 20:50	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 20:50	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 20:50	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 20:50	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 20:50	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 20:50	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 20:50	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 20:50	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 20:50	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 20:50	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/13/17 20:50	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 20:50	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 20:50	75-35-4	
cis-1,2-Dichloroethene	0.61J	ug/L	1.0	0.26	1		10/13/17 20:50	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 20:50	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 20:50	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 20:50	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 20:50	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 20:50	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 20:50	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 20:50	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-18C **Lab ID: 40158450002** Collected: 10/09/17 15:30 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 20:50	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 20:50	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 20:50	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 20:50	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 20:50	79-34-5	
Tetrachloroethene	1.3	ug/L	1.0	0.50	1		10/13/17 20:50	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/13/17 20:50	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 20:50	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 20:50	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 20:50	79-00-5	
Trichloroethene	13.7	ug/L	1.0	0.33	1		10/13/17 20:50	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 20:50	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/13/17 20:50	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 20:50	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 20:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		10/13/17 20:50	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		1		10/13/17 20:50	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/13/17 20:50	2037-26-5	
Field Data Analytical Method:									
Field pH	8.07	Std. Units			1		10/09/17 15:30		
Field Specific Conductance	850	umhos/cm			1		10/09/17 15:30		
Oxygen, Dissolved	15.26	mg/L			1		10/09/17 15:30	7782-44-7	
REDOX	100	mV			1		10/09/17 15:30		
Turbidity	N	NTU			1		10/09/17 15:30		
Temperature, Water (C)	9.59	deg C			1		10/09/17 15:30		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	162	mg/L	10.0	2.5	5		10/18/17 15:38	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	171	mg/L	23.5	7.0	1		10/13/17 10:30		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-18C DUP **Lab ID: 40158450003** Collected: 10/09/17 15:30 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	59.2	ug/L	40.0	6.7	1		10/13/17 19:49	7440-42-8	
Iron, Dissolved	<15.5	ug/L	100	15.5	1		10/13/17 19:49	7439-89-6	
Manganese, Dissolved	1220	ug/L	5.0	1.1	1		10/13/17 19:49	7439-96-5	
Total Hardness by 2340B, Dissolved	326	mg/L	2.0	0.15	1		10/13/17 19:49		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 21:12	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 21:12	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 21:12	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 21:12	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 21:12	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 21:12	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 21:12	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 21:12	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 21:12	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 21:12	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 21:12	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 21:12	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/13/17 21:12	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 21:12	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 21:12	75-35-4	
cis-1,2-Dichloroethene	0.71J	ug/L	1.0	0.26	1		10/13/17 21:12	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 21:12	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 21:12	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 21:12	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 21:12	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 21:12	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 21:12	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 21:12	98-82-8	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-18C DUP **Lab ID: 40158450003** Collected: 10/09/17 15:30 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 21:12	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 21:12	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 21:12	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 21:12	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 21:12	79-34-5	
Tetrachloroethene	1.2	ug/L	1.0	0.50	1		10/13/17 21:12	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/13/17 21:12	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 21:12	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 21:12	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 21:12	79-00-5	
Trichloroethene	15.1	ug/L	1.0	0.33	1		10/13/17 21:12	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 21:12	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/13/17 21:12	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 21:12	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		10/13/17 21:12	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		1		10/13/17 21:12	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/13/17 21:12	2037-26-5	
Field Data Analytical Method:									
Field pH	8.07	Std. Units			1		10/09/17 15:30		
Field Specific Conductance	850	umhos/cm			1		10/09/17 15:30		
Oxygen, Dissolved	15.26	mg/L			1		10/09/17 15:30	7782-44-7	
REDOX	100	mV			1		10/09/17 15:30		
Turbidity	N	NTU			1		10/09/17 15:30		
Temperature, Water (C)	9.59	deg C			1		10/09/17 15:30		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	162	mg/L	10.0	2.5	5		10/18/17 15:49	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	171	mg/L	23.5	7.0	1		10/13/17 10:32		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-18B **Lab ID: 40158450004** Collected: 10/09/17 16:10 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	<15.5	ug/L	100	15.5	1		10/13/17 19:51	7439-89-6	
Manganese, Dissolved	2030	ug/L	5.0	1.1	1		10/13/17 19:51	7439-96-5	
Total Hardness by 2340B, Dissolved	351	mg/L	2.0	0.15	1		10/13/17 19:51		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 21:34	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 21:34	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 21:34	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 21:34	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 21:34	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 21:34	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 21:34	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 21:34	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 21:34	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 21:34	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 21:34	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 21:34	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/13/17 21:34	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 21:34	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 21:34	75-35-4	
cis-1,2-Dichloroethene	0.57J	ug/L	1.0	0.26	1		10/13/17 21:34	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 21:34	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 21:34	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 21:34	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 21:34	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 21:34	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 21:34	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 21:34	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-18B **Lab ID: 40158450004** Collected: 10/09/17 16:10 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 21:34	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 21:34	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 21:34	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 21:34	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 21:34	79-34-5	
Tetrachloroethene	1.1	ug/L	1.0	0.50	1		10/13/17 21:34	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/13/17 21:34	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 21:34	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 21:34	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 21:34	79-00-5	
Trichloroethene	10.7	ug/L	1.0	0.33	1		10/13/17 21:34	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 21:34	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/13/17 21:34	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 21:34	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		10/13/17 21:34	460-00-4	
Dibromofluoromethane (S)	117	%	67-130		1		10/13/17 21:34	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/13/17 21:34	2037-26-5	
Field Data Analytical Method:									
Field pH	7.69	Std. Units			1		10/09/17 16:10		
Field Specific Conductance	850	umhos/cm			1		10/09/17 16:10		
Oxygen, Dissolved	0.29	mg/L			1		10/09/17 16:10	7782-44-7	
REDOX	171	mV			1		10/09/17 16:10		
Turbidity	0	NTU			1		10/09/17 16:10		
Temperature, Water (C)	9.74	deg C			1		10/09/17 16:10		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	157	mg/L	10.0	2.5	5		10/18/17 16:00	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	201	mg/L	23.5	7.0	1		10/13/17 10:33		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-26B **Lab ID: 40158450005** Collected: 10/09/17 17:04 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	457	ug/L	100	15.5	1		10/13/17 19:54	7439-89-6	
Manganese, Dissolved	666	ug/L	5.0	1.1	1		10/13/17 19:54	7439-96-5	
Total Hardness by 2340B, Dissolved	197	mg/L	2.0	0.15	1		10/13/17 19:54		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 21:57	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 21:57	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 21:57	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 21:57	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 21:57	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 21:57	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 21:57	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 21:57	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 21:57	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 21:57	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 21:57	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 21:57	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/13/17 21:57	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 21:57	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 21:57	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 21:57	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 21:57	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 21:57	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 21:57	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 21:57	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 21:57	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 21:57	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 21:57	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-26B **Lab ID: 40158450005** Collected: 10/09/17 17:04 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 21:57	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 21:57	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 21:57	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 21:57	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 21:57	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/13/17 21:57	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 21:57	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 21:57	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 21:57	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/13/17 21:57	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 21:57	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/13/17 21:57	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 21:57	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 21:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		10/13/17 21:57	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		1		10/13/17 21:57	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/13/17 21:57	2037-26-5	
Field Data Analytical Method:									
Field pH	7.68	Std. Units			1		10/09/17 17:04		
Field Specific Conductance	395	umhos/cm			1		10/09/17 17:04		
Oxygen, Dissolved	0	mg/L			1		10/09/17 17:04	7782-44-7	
REDOX	178	mV			1		10/09/17 17:04		
Turbidity	N	NTU			1		10/09/17 17:04		
Temperature, Water (C)	10.52	deg C			1		10/09/17 17:04		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	12.4	mg/L	2.0	0.50	1		10/18/17 19:27	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	183	mg/L	23.5	7.0	1		10/13/17 10:34		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-26C **Lab ID: 40158450006** Collected: 10/09/17 17:15 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	1050	ug/L	100	15.5	1		10/13/17 19:56	7439-89-6	
Manganese, Dissolved	2830	ug/L	5.0	1.1	1		10/13/17 19:56	7439-96-5	
Total Hardness by 2340B, Dissolved	241	mg/L	2.0	0.15	1		10/13/17 19:56		
8260 MSV		Analytical Method: EPA 8260							
Benzene	0.86J	ug/L	1.0	0.50	1		10/13/17 22:19	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 22:19	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 22:19	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 22:19	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 22:19	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 22:19	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 22:19	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 22:19	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 22:19	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 22:19	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 22:19	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 22:19	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 22:19	75-71-8	
1,1-Dichloroethane	0.83J	ug/L	1.0	0.24	1		10/13/17 22:19	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 22:19	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 22:19	75-35-4	
cis-1,2-Dichloroethene	0.61J	ug/L	1.0	0.26	1		10/13/17 22:19	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 22:19	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 22:19	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 22:19	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 22:19	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 22:19	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 22:19	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 22:19	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-26C **Lab ID: 40158450006** Collected: 10/09/17 17:15 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 22:19	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 22:19	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 22:19	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 22:19	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 22:19	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/13/17 22:19	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 22:19	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 22:19	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 22:19	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/13/17 22:19	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 22:19	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	108-67-8	
Vinyl chloride	4.8	ug/L	1.0	0.18	1		10/13/17 22:19	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 22:19	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		10/13/17 22:19	460-00-4	
Dibromofluoromethane (S)	118	%	67-130		1		10/13/17 22:19	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/13/17 22:19	2037-26-5	
Field Data Analytical Method:									
Field pH	7.57	Std. Units			1		10/09/17 17:15		
Field Specific Conductance	514	umhos/cm			1		10/09/17 17:15		
Oxygen, Dissolved	0	mg/L			1		10/09/17 17:15	7782-44-7	
REDOX	184	mV			1		10/09/17 17:15		
Turbidity	0	NTU			1		10/09/17 17:15		
Temperature, Water (C)	8.8	deg C			1		10/09/17 17:15		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	22.8	mg/L	2.0	0.50	1		10/18/17 19:38	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	227	mg/L	23.5	7.0	1		10/13/17 10:35		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-16A **Lab ID: 40158450007** Collected: 10/10/17 08:40 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	2470	ug/L	100	15.5	1		10/13/17 19:59	7439-89-6	
Manganese, Dissolved	5220	ug/L	5.0	1.1	1		10/13/17 19:59	7439-96-5	
Total Hardness by 2340B, Dissolved	237	mg/L	2.0	0.15	1		10/13/17 19:59		
8260 MSV		Analytical Method: EPA 8260							
Benzene	1.1	ug/L	1.0	0.50	1		10/13/17 22:42	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 22:42	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 22:42	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 22:42	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 22:42	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 22:42	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 22:42	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 22:42	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 22:42	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 22:42	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 22:42	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 22:42	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 22:42	75-71-8	
1,1-Dichloroethane	0.46J	ug/L	1.0	0.24	1		10/13/17 22:42	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 22:42	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 22:42	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 22:42	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 22:42	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 22:42	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 22:42	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 22:42	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 22:42	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 22:42	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 22:42	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-16A **Lab ID: 40158450007** Collected: 10/10/17 08:40 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 22:42	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 22:42	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 22:42	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 22:42	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 22:42	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/13/17 22:42	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 22:42	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 22:42	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 22:42	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/13/17 22:42	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 22:42	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	108-67-8	
Vinyl chloride	1.1	ug/L	1.0	0.18	1		10/13/17 22:42	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 22:42	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 22:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		10/13/17 22:42	460-00-4	
Dibromofluoromethane (S)	117	%	67-130		1		10/13/17 22:42	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/13/17 22:42	2037-26-5	
Field Data Analytical Method:									
Field pH	7.34	Std. Units			1		10/10/17 08:40		
Field Specific Conductance	634	umhos/cm			1		10/10/17 08:40		
Oxygen, Dissolved	2.88	mg/L			1		10/10/17 08:40	7782-44-7	
REDOX	277	mV			1		10/10/17 08:40		
Turbidity	0	NTU			1		10/10/17 08:40		
Temperature, Water (C)	7.89	deg C			1		10/10/17 08:40		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	31.0	mg/L	2.0	0.50	1		10/18/17 19:49	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	258	mg/L	23.5	7.0	1		10/13/17 10:36		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-16C **Lab ID: 40158450008** Collected: 10/10/17 08:50 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	27100	ug/L	100	15.5	1		10/13/17 20:01	7439-89-6	
Manganese, Dissolved	2190	ug/L	5.0	1.1	1		10/13/17 20:01	7439-96-5	
Total Hardness by 2340B, Dissolved	233	mg/L	2.0	0.15	1		10/13/17 20:01		
8260 MSV		Analytical Method: EPA 8260							
Benzene	1.3	ug/L	1.0	0.50	1		10/13/17 23:04	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 23:04	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 23:04	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 23:04	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 23:04	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 23:04	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	56-23-5	
Chlorobenzene	0.56J	ug/L	1.0	0.50	1		10/13/17 23:04	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 23:04	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 23:04	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 23:04	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 23:04	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 23:04	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 23:04	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 23:04	75-71-8	
1,1-Dichloroethane	0.30J	ug/L	1.0	0.24	1		10/13/17 23:04	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 23:04	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 23:04	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 23:04	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 23:04	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 23:04	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 23:04	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 23:04	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 23:04	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 23:04	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 23:04	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-16C **Lab ID: 40158450008** Collected: 10/10/17 08:50 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 23:04	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 23:04	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 23:04	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 23:04	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 23:04	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	127-18-4	
Tetrahydrofuran	12.9	ug/L	5.0	2.0	1		10/13/17 23:04	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 23:04	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 23:04	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 23:04	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/13/17 23:04	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 23:04	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	108-67-8	
Vinyl chloride	0.22J	ug/L	1.0	0.18	1		10/13/17 23:04	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 23:04	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:04	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		10/13/17 23:04	460-00-4	
Dibromofluoromethane (S)	117	%	67-130		1		10/13/17 23:04	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/13/17 23:04	2037-26-5	
Field Data		Analytical Method:							
Field pH	7.18	Std. Units			1		10/10/17 08:50		
Field Specific Conductance	723	umhos/cm			1		10/10/17 08:50		
Oxygen, Dissolved	0	mg/L			1		10/10/17 08:50	7782-44-7	
REDOX	235	mV			1		10/10/17 08:50		
Turbidity	0	NTU			1		10/10/17 08:50		
Temperature, Water (C)	7.72	deg C			1		10/10/17 08:50		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	38.9	mg/L	10.0	2.5	5		10/18/17 20:00	16887-00-6	
310.2 Alkalinity		Analytical Method: EPA 310.2							
Alkalinity, Total as CaCO3	256	mg/L	23.5	7.0	1		10/13/17 10:37		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-16B **Lab ID: 40158450009** Collected: 10/10/17 09:25 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	38800	ug/L	100	15.5	1		10/13/17 20:03	7439-89-6	
Manganese, Dissolved	4000	ug/L	5.0	1.1	1		10/13/17 20:03	7439-96-5	
Total Hardness by 2340B, Dissolved	226	mg/L	2.0	0.15	1		10/13/17 20:03		
8260 MSV		Analytical Method: EPA 8260							
Benzene	1.2	ug/L	1.0	0.50	1		10/13/17 23:26	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 23:26	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 23:26	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 23:26	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 23:26	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 23:26	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 23:26	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 23:26	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 23:26	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 23:26	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 23:26	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 23:26	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 23:26	75-71-8	
1,1-Dichloroethane	0.39J	ug/L	1.0	0.24	1		10/13/17 23:26	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 23:26	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 23:26	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 23:26	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 23:26	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 23:26	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 23:26	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 23:26	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 23:26	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 23:26	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 23:26	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-16B **Lab ID: 40158450009** Collected: 10/10/17 09:25 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 23:26	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 23:26	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 23:26	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 23:26	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 23:26	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	127-18-4	
Tetrahydrofuran	7.6	ug/L	5.0	2.0	1		10/13/17 23:26	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 23:26	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 23:26	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 23:26	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/13/17 23:26	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 23:26	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	108-67-8	
Vinyl chloride	0.24J	ug/L	1.0	0.18	1		10/13/17 23:26	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 23:26	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		10/13/17 23:26	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		1		10/13/17 23:26	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/13/17 23:26	2037-26-5	
Field Data Analytical Method:									
Field pH	7.25	Std. Units			1		10/10/17 09:25		
Field Specific Conductance	735	umhos/cm			1		10/10/17 09:25		
Oxygen, Dissolved	0	mg/L			1		10/10/17 09:25	7782-44-7	
REDOX	160	mV			1		10/10/17 09:25		
Turbidity	0	NTU			1		10/10/17 09:25		
Temperature, Water (C)	7.78	deg C			1		10/10/17 09:25		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	36.4	mg/L	10.0	2.5	5		10/18/17 20:11	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	249	mg/L	23.5	7.0	1		10/13/17 10:38		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-27B **Lab ID: 40158450010** Collected: 10/10/17 10:05 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	48.3J	ug/L	100	15.5	1		10/13/17 20:06	7439-89-6	
Manganese, Dissolved	179	ug/L	5.0	1.1	1		10/13/17 20:06	7439-96-5	
Total Hardness by 2340B, Dissolved	91.8	mg/L	2.0	0.15	1		10/13/17 20:06		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 23:49	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 23:49	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 23:49	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 23:49	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 23:49	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 23:49	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 23:49	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 23:49	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 23:49	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 23:49	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 23:49	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 23:49	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/13/17 23:49	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 23:49	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 23:49	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 23:49	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 23:49	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 23:49	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 23:49	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 23:49	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 23:49	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 23:49	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 23:49	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-27B **Lab ID: 40158450010** Collected: 10/10/17 10:05 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 23:49	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 23:49	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 23:49	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 23:49	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 23:49	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/13/17 23:49	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 23:49	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 23:49	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 23:49	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/13/17 23:49	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 23:49	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/13/17 23:49	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 23:49	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 23:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		10/13/17 23:49	460-00-4	
Dibromofluoromethane (S)	120	%	67-130		1		10/13/17 23:49	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/13/17 23:49	2037-26-5	
Field Data Analytical Method:									
Field pH	7.83	Std. Units			1		10/10/17 10:05		
Field Specific Conductance	209	umhos/cm			1		10/10/17 10:05		
Oxygen, Dissolved	0	mg/L			1		10/10/17 10:05	7782-44-7	
REDOX	54	mV			1		10/10/17 10:05		
Turbidity	0	NTU			1		10/10/17 10:05		
Temperature, Water (C)	8.11	deg C			1		10/10/17 10:05		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	4.7	mg/L	2.0	0.50	1		10/18/17 20:21	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	81.8	mg/L	23.5	7.0	1		10/13/17 10:40		B

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-25B **Lab ID: 40158450011** Collected: 10/10/17 11:04 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	<6.7	ug/L	40.0	6.7	1		10/13/17 20:13	7440-42-8	
Iron, Dissolved	<15.5	ug/L	100	15.5	1		10/13/17 20:13	7439-89-6	
Manganese, Dissolved	193	ug/L	5.0	1.1	1		10/16/17 11:22	7439-96-5	
Total Hardness by 2340B, Dissolved	174	mg/L	2.0	0.15	1		10/13/17 20:13		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/14/17 00:11	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/14/17 00:11	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/14/17 00:11	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/14/17 00:11	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/14/17 00:11	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/14/17 00:11	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/14/17 00:11	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/14/17 00:11	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/14/17 00:11	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/14/17 00:11	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/14/17 00:11	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	106-46-7	
Dichlorodifluoromethane	0.47J	ug/L	1.0	0.22	1		10/14/17 00:11	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/14/17 00:11	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/14/17 00:11	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/14/17 00:11	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/17 00:11	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/17 00:11	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/14/17 00:11	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/14/17 00:11	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/14/17 00:11	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/14/17 00:11	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/14/17 00:11	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/14/17 00:11	98-82-8	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-25B **Lab ID: 40158450011** Collected: 10/10/17 11:04 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/14/17 00:11	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/14/17 00:11	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/14/17 00:11	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/14/17 00:11	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/14/17 00:11	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/14/17 00:11	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/14/17 00:11	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/14/17 00:11	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/14/17 00:11	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/14/17 00:11	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/14/17 00:11	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	108-67-8	
Vinyl chloride	1.4	ug/L	1.0	0.18	1		10/14/17 00:11	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/14/17 00:11	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		10/14/17 00:11	460-00-4	pH
Dibromofluoromethane (S)	117	%	67-130		1		10/14/17 00:11	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/14/17 00:11	2037-26-5	
Field Data Analytical Method:									
Field pH	7.9	Std. Units			1		10/10/17 11:04		
Field Specific Conductance	365	umhos/cm			1		10/10/17 11:04		
Oxygen, Dissolved	9.23	mg/L			1		10/10/17 11:04	7782-44-7	
REDOX	218	mV			1		10/10/17 11:04		
Temperature, Water (C)	7.91	deg C			1		10/10/17 11:04		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	16.8	mg/L	10.0	2.5	5		10/18/17 20:32	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	156	mg/L	23.5	7.0	1		10/13/17 10:40		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-5A **Lab ID: 40158450012** Collected: 10/10/17 11:45 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	<15.5	ug/L	100	15.5	1		10/13/17 20:15	7439-89-6	
Manganese, Dissolved	609	ug/L	5.0	1.1	1		10/16/17 11:25	7439-96-5	
Total Hardness by 2340B, Dissolved	312	mg/L	2.0	0.15	1		10/13/17 20:15		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/14/17 00:33	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/14/17 00:33	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/14/17 00:33	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/14/17 00:33	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/14/17 00:33	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/14/17 00:33	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/14/17 00:33	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/14/17 00:33	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/14/17 00:33	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/14/17 00:33	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/14/17 00:33	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/14/17 00:33	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/14/17 00:33	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/14/17 00:33	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/14/17 00:33	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/17 00:33	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/17 00:33	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/14/17 00:33	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/14/17 00:33	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/14/17 00:33	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/14/17 00:33	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/14/17 00:33	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/14/17 00:33	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-5A **Lab ID: 40158450012** Collected: 10/10/17 11:45 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/14/17 00:33	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/14/17 00:33	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/14/17 00:33	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/14/17 00:33	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/14/17 00:33	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/14/17 00:33	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/14/17 00:33	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/14/17 00:33	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/14/17 00:33	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/14/17 00:33	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/14/17 00:33	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/14/17 00:33	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/14/17 00:33	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	61-130		1		10/14/17 00:33	460-00-4	
Dibromofluoromethane (S)	117	%	67-130		1		10/14/17 00:33	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		10/14/17 00:33	2037-26-5	
Field Data Analytical Method:									
Field pH	6.9	Std. Units			1		10/10/17 11:45		
Field Specific Conductance	1230	umhos/cm			1		10/10/17 11:45		
Oxygen, Dissolved	0.39	mg/L			1		10/10/17 11:45	7782-44-7	
REDOX	291	mV			1		10/10/17 11:45		
Turbidity	0	NTU			1		10/10/17 11:45		
Temperature, Water (C)	9.89	deg C			1		10/10/17 11:45		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	281	mg/L	10.0	2.5	5		10/18/17 20:43	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	51.0	mg/L	23.5	7.0	1		10/13/17 10:41		B

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: MW-4A **Lab ID: 40158450013** Collected: 10/10/17 12:20 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	<15.5	ug/L	100	15.5	1		10/13/17 20:17	7439-89-6	
Manganese, Dissolved	<1.1	ug/L	5.0	1.1	1		10/16/17 11:27	7439-96-5	
Total Hardness by 2340B, Dissolved	146	mg/L	2.0	0.15	1		10/13/17 20:17		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/14/17 00:56	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/14/17 00:56	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/14/17 00:56	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/14/17 00:56	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/14/17 00:56	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/14/17 00:56	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/14/17 00:56	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/14/17 00:56	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/14/17 00:56	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/14/17 00:56	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/14/17 00:56	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/14/17 00:56	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/14/17 00:56	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/14/17 00:56	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/14/17 00:56	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/17 00:56	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/14/17 00:56	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/14/17 00:56	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/14/17 00:56	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/14/17 00:56	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/14/17 00:56	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/14/17 00:56	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/14/17 00:56	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158450

Sample: MW-4A **Lab ID: 40158450013** Collected: 10/10/17 12:20 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/14/17 00:56	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/14/17 00:56	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/14/17 00:56	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/14/17 00:56	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/14/17 00:56	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/14/17 00:56	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/14/17 00:56	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/14/17 00:56	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/14/17 00:56	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/14/17 00:56	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/14/17 00:56	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/14/17 00:56	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/14/17 00:56	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/14/17 00:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		10/14/17 00:56	460-00-4	
Dibromofluoromethane (S)	117	%	67-130		1		10/14/17 00:56	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/14/17 00:56	2037-26-5	
Field Data Analytical Method:									
Field pH	7.09	Std. Units			1		10/10/17 12:20		
Field Specific Conductance	400	umhos/cm			1		10/10/17 12:20		
Oxygen, Dissolved	0	mg/L			1		10/10/17 12:20	7782-44-7	
REDOX	257	mV			1		10/10/17 12:20		
Turbidity	0	NTU			1		10/10/17 12:20		
Temperature, Water (C)	9.7	deg C			1		10/10/17 12:20		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	54.1	mg/L	2.0	0.50	1		10/18/17 20:54	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	82.9	mg/L	23.5	7.0	1		10/13/17 10:42		B

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: TRIP BLANK **Lab ID: 40158450014** Collected: 10/10/17 00:00 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/13/17 18:13	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/13/17 18:13	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/13/17 18:13	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 18:13	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/13/17 18:13	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/13/17 18:13	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/13/17 18:13	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/13/17 18:13	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/13/17 18:13	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/13/17 18:13	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/13/17 18:13	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/13/17 18:13	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/13/17 18:13	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/13/17 18:13	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/13/17 18:13	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 18:13	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/13/17 18:13	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/13/17 18:13	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/13/17 18:13	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/13/17 18:13	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/13/17 18:13	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/13/17 18:13	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/13/17 18:13	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/13/17 18:13	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/13/17 18:13	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/13/17 18:13	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/13/17 18:13	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Sample: TRIP BLANK **Lab ID: 40158450014** Collected: 10/10/17 00:00 Received: 10/11/17 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/13/17 18:13	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/13/17 18:13	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/13/17 18:13	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/13/17 18:13	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/13/17 18:13	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/13/17 18:13	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/13/17 18:13	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/13/17 18:13	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/13/17 18:13	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/13/17 18:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	61-130		1		10/13/17 18:13	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		1		10/13/17 18:13	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		10/13/17 18:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158450

QC Batch: 270573 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40158450001, 40158450002, 40158450003, 40158450004, 40158450005, 40158450006, 40158450007, 40158450008, 40158450009, 40158450010, 40158450011, 40158450012, 40158450013

METHOD BLANK: 1590297 Matrix: Water
Associated Lab Samples: 40158450001, 40158450002, 40158450003, 40158450004, 40158450005, 40158450006, 40158450007, 40158450008, 40158450009, 40158450010, 40158450011, 40158450012, 40158450013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron, Dissolved	ug/L	<6.7	40.0	10/13/17 19:19	
Iron, Dissolved	ug/L	<15.5	100	10/13/17 19:19	
Manganese, Dissolved	ug/L	<1.1	5.0	10/13/17 19:19	
Total Hardness by 2340B, Dissolved	mg/L	<0.15	2.0	10/13/17 19:19	

LABORATORY CONTROL SAMPLE: 1590298

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron, Dissolved	ug/L	500	510	102	80-120	
Iron, Dissolved	ug/L	5000	5010	100	80-120	
Manganese, Dissolved	ug/L	500	500	100	80-120	
Total Hardness by 2340B, Dissolved	mg/L		31.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1590299 1590300

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40158418008 Result	Spike Conc.	Spike Conc.	MS Result						
Boron, Dissolved	ug/L	8.7J	500	500	526	562	103	111	75-125	7	20
Iron, Dissolved	ug/L	497	5000	5000	5510	5840	100	107	75-125	6	20
Manganese, Dissolved	ug/L	234	500	500	733	772	100	108	75-125	5	20
Total Hardness by 2340B, Dissolved	mg/L	456000 ug/L			480	479				0	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

QC Batch: 270355 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40158450001, 40158450002, 40158450003, 40158450004, 40158450005, 40158450006, 40158450007,
 40158450008, 40158450009, 40158450010, 40158450011, 40158450012, 40158450013, 40158450014

METHOD BLANK: 1588903 Matrix: Water
 Associated Lab Samples: 40158450001, 40158450002, 40158450003, 40158450004, 40158450005, 40158450006, 40158450007,
 40158450008, 40158450009, 40158450010, 40158450011, 40158450012, 40158450013, 40158450014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/13/17 15:58	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/13/17 15:58	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/13/17 15:58	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/13/17 15:58	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/13/17 15:58	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/13/17 15:58	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/13/17 15:58	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/13/17 15:58	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/13/17 15:58	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/13/17 15:58	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/13/17 15:58	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/13/17 15:58	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/13/17 15:58	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/13/17 15:58	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/13/17 15:58	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/13/17 15:58	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/13/17 15:58	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/13/17 15:58	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/13/17 15:58	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/13/17 15:58	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/13/17 15:58	
2-Chlorotoluene	ug/L	<0.50	1.0	10/13/17 15:58	
4-Chlorotoluene	ug/L	<0.21	1.0	10/13/17 15:58	
Benzene	ug/L	<0.50	1.0	10/13/17 15:58	
Bromobenzene	ug/L	<0.23	1.0	10/13/17 15:58	
Bromochloromethane	ug/L	<0.34	1.0	10/13/17 15:58	
Bromodichloromethane	ug/L	<0.50	1.0	10/13/17 15:58	
Bromoform	ug/L	<0.50	1.0	10/13/17 15:58	
Bromomethane	ug/L	<2.4	5.0	10/13/17 15:58	
Carbon tetrachloride	ug/L	<0.50	1.0	10/13/17 15:58	
Chlorobenzene	ug/L	<0.50	1.0	10/13/17 15:58	
Chloroethane	ug/L	<0.37	1.0	10/13/17 15:58	
Chloroform	ug/L	<2.5	5.0	10/13/17 15:58	
Chloromethane	ug/L	<0.50	1.0	10/13/17 15:58	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/13/17 15:58	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/13/17 15:58	
Dibromochloromethane	ug/L	<0.50	1.0	10/13/17 15:58	
Dibromomethane	ug/L	<0.43	1.0	10/13/17 15:58	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/13/17 15:58	
Diisopropyl ether	ug/L	<0.50	1.0	10/13/17 15:58	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

METHOD BLANK: 1588903

Matrix: Water

Associated Lab Samples: 40158450001, 40158450002, 40158450003, 40158450004, 40158450005, 40158450006, 40158450007, 40158450008, 40158450009, 40158450010, 40158450011, 40158450012, 40158450013, 40158450014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	10/13/17 15:58	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/13/17 15:58	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/13/17 15:58	
m&p-Xylene	ug/L	<1.0	2.0	10/13/17 15:58	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/13/17 15:58	
Methylene Chloride	ug/L	<0.23	1.0	10/13/17 15:58	
n-Butylbenzene	ug/L	<0.50	1.0	10/13/17 15:58	
n-Propylbenzene	ug/L	<0.50	1.0	10/13/17 15:58	
Naphthalene	ug/L	<2.5	5.0	10/13/17 15:58	
o-Xylene	ug/L	<0.50	1.0	10/13/17 15:58	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/13/17 15:58	
sec-Butylbenzene	ug/L	<2.2	5.0	10/13/17 15:58	
Styrene	ug/L	<0.50	1.0	10/13/17 15:58	
tert-Butylbenzene	ug/L	<0.18	1.0	10/13/17 15:58	
Tetrachloroethene	ug/L	<0.50	1.0	10/13/17 15:58	
Tetrahydrofuran	ug/L	<2.0	5.0	10/13/17 15:58	
Toluene	ug/L	<0.50	1.0	10/13/17 15:58	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/13/17 15:58	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/13/17 15:58	
Trichloroethene	ug/L	<0.33	1.0	10/13/17 15:58	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/13/17 15:58	
Vinyl chloride	ug/L	<0.18	1.0	10/13/17 15:58	
4-Bromofluorobenzene (S)	%	90	61-130	10/13/17 15:58	
Dibromofluoromethane (S)	%	115	67-130	10/13/17 15:58	
Toluene-d8 (S)	%	95	70-130	10/13/17 15:58	

LABORATORY CONTROL SAMPLE: 1588904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.3	117	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.3	105	70-130	
1,1,2-Trichloroethane	ug/L	50	56.0	112	70-130	
1,1-Dichloroethane	ug/L	50	61.1	122	71-132	
1,1-Dichloroethene	ug/L	50	51.4	103	75-130	
1,2,4-Trichlorobenzene	ug/L	50	48.6	97	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.6	99	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	55.4	111	70-130	
1,2-Dichlorobenzene	ug/L	50	52.9	106	70-130	
1,2-Dichloroethane	ug/L	50	63.2	126	70-131	
1,2-Dichloropropane	ug/L	50	56.3	113	80-120	
1,3-Dichlorobenzene	ug/L	50	51.8	104	70-130	
1,4-Dichlorobenzene	ug/L	50	54.5	109	70-130	
Benzene	ug/L	50	54.7	109	73-145	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

LABORATORY CONTROL SAMPLE: 1588904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	50	58.1	116	70-130	
Bromoform	ug/L	50	57.4	115	67-130	
Bromomethane	ug/L	50	40.0	80	26-128	
Carbon tetrachloride	ug/L	50	61.6	123	70-133	
Chlorobenzene	ug/L	50	56.1	112	70-130	
Chloroethane	ug/L	50	44.3	89	58-120	
Chloroform	ug/L	50	59.7	119	80-121	
Chloromethane	ug/L	50	26.0	52	40-127	
cis-1,2-Dichloroethene	ug/L	50	54.5	109	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.4	99	70-130	
Dibromochloromethane	ug/L	50	55.8	112	70-130	
Dichlorodifluoromethane	ug/L	50	16.7	33	20-135	
Ethylbenzene	ug/L	50	55.0	110	87-129	
Isopropylbenzene (Cumene)	ug/L	50	56.1	112	70-130	
m&p-Xylene	ug/L	100	111	111	70-130	
Methyl-tert-butyl ether	ug/L	50	56.3	113	66-143	
Methylene Chloride	ug/L	50	55.1	110	70-130	
o-Xylene	ug/L	50	53.8	108	70-130	
Styrene	ug/L	50	54.4	109	70-130	
Tetrachloroethene	ug/L	50	57.5	115	70-130	
Toluene	ug/L	50	53.1	106	82-130	
trans-1,2-Dichloroethene	ug/L	50	56.4	113	75-132	
trans-1,3-Dichloropropene	ug/L	50	46.3	93	70-130	
Trichloroethene	ug/L	50	56.8	114	70-130	
Trichlorofluoromethane	ug/L	50	60.0	120	76-133	
Vinyl chloride	ug/L	50	32.4	65	57-136	
4-Bromofluorobenzene (S)	%			103	61-130	
Dibromofluoromethane (S)	%			109	67-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1589275 1589276

Parameter	Units	40158450001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	Result	MSD Result	% Rec	% Rec					
1,1,1-Trichloroethane	ug/L	<0.50	50	50	54.9	54.7	110	109	70-134	0	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	47.9	49.2	96	98	70-130	3	20		
1,1,2-Trichloroethane	ug/L	<0.20	50	50	51.6	52.4	103	105	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.24	50	50	57.2	57.2	114	114	71-133	0	20		
1,1-Dichloroethene	ug/L	<0.41	50	50	47.6	48.2	95	96	75-136	1	20		
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	46.2	46.2	92	92	70-130	0	20		
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	44.8	46.7	90	93	63-123	4	20		
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.8	51.6	102	103	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.1	48.9	98	98	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.17	50	50	58.4	58.9	117	118	70-131	1	20		

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Parameter	Units	1589275		1589276		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40158450001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dichloropropane	ug/L	<0.23	50	50	52.6	52.9	105	106	80-120	1	20		
1,3-Dichlorobenzene	ug/L	<0.50	50	50	48.4	47.7	97	95	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.1	50.8	102	102	70-130	1	20		
Benzene	ug/L	<0.50	50	50	51.5	51.7	103	103	73-145	0	20		
Bromodichloromethane	ug/L	<0.50	50	50	53.7	54.8	107	110	70-130	2	20		
Bromoform	ug/L	<0.50	50	50	52.2	52.8	104	106	67-130	1	20		
Bromomethane	ug/L	<2.4	50	50	40.2	40.1	80	80	26-129	0	20		
Carbon tetrachloride	ug/L	<0.50	50	50	57.3	57.3	115	115	70-134	0	20		
Chlorobenzene	ug/L	<0.50	50	50	51.5	51.7	103	103	70-130	0	20		
Chloroethane	ug/L	<0.37	50	50	43.2	43.4	86	87	58-120	0	20		
Chloroform	ug/L	<2.5	50	50	55.5	55.6	111	111	80-121	0	20		
Chloromethane	ug/L	<0.50	50	50	25.2	25.3	50	51	40-128	1	20		
cis-1,2-Dichloroethene	ug/L	2.2	50	50	54.0	53.4	103	102	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	46.0	46.6	92	93	70-130	1	20		
Dibromochloromethane	ug/L	<0.50	50	50	50.5	51.2	101	102	70-130	1	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	15.5	15.5	31	31	20-146	0	20		
Ethylbenzene	ug/L	<0.50	50	50	50.8	50.4	102	101	87-129	1	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	51.7	51.3	103	103	70-130	1	20		
m&p-Xylene	ug/L	<1.0	100	100	103	102	103	102	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	52.2	53.2	104	106	66-143	2	20		
Methylene Chloride	ug/L	<0.23	50	50	51.9	51.7	104	103	70-130	0	20		
o-Xylene	ug/L	<0.50	50	50	49.6	49.4	99	99	70-130	0	20		
Styrene	ug/L	<0.50	50	50	50.1	49.8	100	100	70-130	1	20		
Tetrachloroethene	ug/L	<0.50	50	50	53.4	53.3	107	107	70-130	0	20		
Toluene	ug/L	<0.50	50	50	48.9	49.0	98	98	82-131	0	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	53.1	53.5	106	107	75-135	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	42.7	43.2	85	86	70-130	1	20		
Trichloroethene	ug/L	1.7	50	50	54.5	55.1	106	107	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	55.9	55.4	112	111	76-150	1	20		
Vinyl chloride	ug/L	0.36J	50	50	31.3	31.4	62	62	56-143	0	20		
4-Bromofluorobenzene (S)	%						102	102	61-130				
Dibromofluoromethane (S)	%						110	110	67-130				
Toluene-d8 (S)	%						96	96	70-130				

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158450

QC Batch: 270584 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40158450001, 40158450002, 40158450003, 40158450004

METHOD BLANK: 1590528 Matrix: Water
Associated Lab Samples: 40158450001, 40158450002, 40158450003, 40158450004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.50	2.0	10/18/17 10:00	

LABORATORY CONTROL SAMPLE: 1590529

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1590530 1590531

Parameter	Units	40158532003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	348	200	200	535	529	94	91	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1590532 1590533

Parameter	Units	40158450004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	157	100	100	257	255	100	98	90-110	1	15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158450

QC Batch: 270586 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 40158450005, 40158450006, 40158450007, 40158450008, 40158450009, 40158450010, 40158450011, 40158450012, 40158450013

METHOD BLANK: 1590557 Matrix: Water
Associated Lab Samples: 40158450005, 40158450006, 40158450007, 40158450008, 40158450009, 40158450010, 40158450011, 40158450012, 40158450013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.50	2.0	10/18/17 17:05	

LABORATORY CONTROL SAMPLE: 1590558

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.0	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1590559 1590560

Parameter	Units	40158451001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	504	400	400	898	889	99	96	90-110	1	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1590561 1590562

Parameter	Units	40158477001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	55.8	100	100	162	163	106	107	90-110	0	15	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

QC Batch:	270437	Analysis Method:	EPA 310.2
QC Batch Method:	EPA 310.2	Analysis Description:	310.2 Alkalinity
Associated Lab Samples:	40158450001, 40158450002, 40158450003, 40158450004, 40158450005, 40158450006, 40158450007, 40158450008, 40158450009, 40158450010, 40158450011, 40158450012, 40158450013		

METHOD BLANK:	1589347	Matrix:	Water
Associated Lab Samples:	40158450001, 40158450002, 40158450003, 40158450004, 40158450005, 40158450006, 40158450007, 40158450008, 40158450009, 40158450010, 40158450011, 40158450012, 40158450013		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	12.0J	23.5	10/13/17 10:24	

LABORATORY CONTROL SAMPLE: 1589348

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	98.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1589349 1589350

Parameter	Units	40158450004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	201	100	100	293	296	92	95	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1589351 1589352

Parameter	Units	40158450013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	82.9	100	100	181	179	98	96	90-110	1	20	

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QUALIFIERS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40158450001	MW-18A	EPA 6010	270573		
40158450002	MW-18C	EPA 6010	270573		
40158450003	MW-18C DUP	EPA 6010	270573		
40158450004	MW-18B	EPA 6010	270573		
40158450005	MW-26B	EPA 6010	270573		
40158450006	MW-26C	EPA 6010	270573		
40158450007	MW-16A	EPA 6010	270573		
40158450008	MW-16C	EPA 6010	270573		
40158450009	MW-16B	EPA 6010	270573		
40158450010	MW-27B	EPA 6010	270573		
40158450011	MW-25B	EPA 6010	270573		
40158450012	MW-5A	EPA 6010	270573		
40158450013	MW-4A	EPA 6010	270573		
40158450001	MW-18A	EPA 8260	270355		
40158450002	MW-18C	EPA 8260	270355		
40158450003	MW-18C DUP	EPA 8260	270355		
40158450004	MW-18B	EPA 8260	270355		
40158450005	MW-26B	EPA 8260	270355		
40158450006	MW-26C	EPA 8260	270355		
40158450007	MW-16A	EPA 8260	270355		
40158450008	MW-16C	EPA 8260	270355		
40158450009	MW-16B	EPA 8260	270355		
40158450010	MW-27B	EPA 8260	270355		
40158450011	MW-25B	EPA 8260	270355		
40158450012	MW-5A	EPA 8260	270355		
40158450013	MW-4A	EPA 8260	270355		
40158450014	TRIP BLANK	EPA 8260	270355		
40158450001	MW-18A				
40158450002	MW-18C				
40158450003	MW-18C DUP				
40158450004	MW-18B				
40158450005	MW-26B				
40158450006	MW-26C				
40158450007	MW-16A				
40158450008	MW-16C				
40158450009	MW-16B				
40158450010	MW-27B				
40158450011	MW-25B				
40158450012	MW-5A				
40158450013	MW-4A				
40158450001	MW-18A	EPA 300.0	270584		
40158450002	MW-18C	EPA 300.0	270584		
40158450003	MW-18C DUP	EPA 300.0	270584		
40158450004	MW-18B	EPA 300.0	270584		
40158450005	MW-26B	EPA 300.0	270586		
40158450006	MW-26C	EPA 300.0	270586		
40158450007	MW-16A	EPA 300.0	270586		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158450

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40158450008	MW-16C	EPA 300.0	270586		
40158450009	MW-16B	EPA 300.0	270586		
40158450010	MW-27B	EPA 300.0	270586		
40158450011	MW-25B	EPA 300.0	270586		
40158450012	MW-5A	EPA 300.0	270586		
40158450013	MW-4A	EPA 300.0	270586		
40158450001	MW-18A	EPA 310.2	270437		
40158450002	MW-18C	EPA 310.2	270437		
40158450003	MW-18C DUP	EPA 310.2	270437		
40158450004	MW-18B	EPA 310.2	270437		
40158450005	MW-26B	EPA 310.2	270437		
40158450006	MW-26C	EPA 310.2	270437		
40158450007	MW-16A	EPA 310.2	270437		
40158450008	MW-16C	EPA 310.2	270437		
40158450009	MW-16B	EPA 310.2	270437		
40158450010	MW-27B	EPA 310.2	270437		
40158450011	MW-25B	EPA 310.2	270437		
40158450012	MW-5A	EPA 310.2	270437		
40158450013	MW-4A	EPA 310.2	270437		

REPORT OF LABORATORY ANALYSIS

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CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

1801 Old Highway 8 Northwest, Suite 114
St. Paul, Minnesota 55112 United States
Phone: (651) 639-0913 Fax: (651) 639-0923

40118450
COC NO.: SP-02501
PAGE 1 OF 4
(See Reverse Side for Instructions)
Page 15 of 49

Project No/Phase/Task Code:
11115796

Laboratory Name:
Rice

Lab Location:

SSOW ID:

Project Name:
Rhinelander LE

Lab Contact:

Lab Quote No:

Cooler No:

Project Location:
Rhinelander

Carrier:

ANALYSIS REQUESTED
(See Back of COC for Definitions)

Airbill No:

Chemistry Contact:
G Anderson

Sample Type:

Date Shipped:

Sampler(s):
Stamet Barnes

Item
SAMPLE IDENTIFICATION
(Containers for each sample may be combined on one line)

DATE
(month/day)

TIME
(hh:mm)

Matrix Code
(see back of COC)

Grab (G) or Comp (C)

Unpreserved

Hydrochloric Acid (HCl)

Nitric Acid (HNO₃)

Sulfuric Acid (H₂SO₄)

Sodium Hydroxide (NaOH)

Methanol/Water (Soil VOC)

EnCores 3x5-g, 1x25-g

Other:

Total Containers/Sample

MS/MSD Request

COMMENTS/
SPECIAL INSTRUCTIONS:

VOG + tetrahydrofuran
Fe, Mn, Hardness
Boron
Chloride/Alkalinity

18A
18C
18C
18C Dup
18B
26B
26C
16A
16C
16B
27B
25B
5A
4A

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (month/day)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTIONS:
1	W-171609-14-01 2-250ml AD 3-40ml B 10/9/17	10/9/17	1530	W6	G	1	3	1	1	1	1	1	1	5	X	18A
2	W-171609-14-02 02	10/9/17	1530	W6	G	1	3	1	1	1	1	1	1	5	X	18C
3	W-171609-14-03 03	10/9/17	1530	W6	G	1	3	1	1	1	1	1	1	5	X	18C Dup
4	W-171609-14-04 04	10/9/17	1610	W6	G	3	3	3	1	1	1	1	1	15	X	18B
5	W-171609-14-05 05	10/9/17	1704	W6	G	1	3	1	1	1	1	1	1	5	X	26B
6	W-171609-14-06 06	10/9/17	1715	W6	G	1	3	1	1	1	1	1	1	5	X	26C
7	W-171609-14-07 07	10/9/17	840	W6	G	1	3	1	1	1	1	1	1	5	X	16A
8	W-171609-14-08 08	10/9/17	850	W6	G	1	3	1	1	1	1	1	1	5	X	16C
9	W-171609-14-09 09	10/9/17	925	W6	G	1	3	1	1	1	1	1	1	5	X	16B
10	W-171609-14-10 10	10/9/17	1005	W6	G	1	3	1	1	1	1	1	1	5	X	27B
11	W-171609-14-11 11	10/9/17	1104	W6	G	1	3	1	1	1	1	1	1	5	X	25B
12	W-171609-14-12 12	10/9/17	1145	W6	G	1	3	1	1	1	1	1	1	5	X	5A
13	W-171609-14-13 13	10/9/17	1220	W6	G	1	3	1	1	1	1	1	1	5	X	4A
14																
15																
TAT Required in business days (use separate COCs for different TATs): <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week <input type="checkbox"/> Other:																
Total Number of Containers: 76 All Samples in Cooler must be on COC																
Notes/Special Requirements: Metals were field filtered																
RELINQUISHED BY		COMPANY	DATE	TIME	RECEIVED BY		COMPANY	DATE	TIME							
1. Fed Ex		6HAD	10/10/17	1500	Karin Kethner Rice		10-11-17	10/11/17	0955							
2.																
3.																

Pace Container Order #281592

40158450

Addresses

Order By :	Ship To :	Return To:
Company <u>GHD SERVICES</u>	Company <u>GHD SERVICES</u>	Company <u>Pace Analytical Green Bay</u>
Contact <u>Anderson, Grant</u>	Contact <u>Anderson, Grant</u>	Contact <u>Milewsky, Dan</u>
Email <u>grant.anderson@ghd.com</u>	Email <u>grant.anderson@ghd.com</u>	Email <u>dan.milewsky@pacelabs.com</u>
Address <u>1801 Old Highway 8 Northwest</u>	Address <u>1801 Old Highway 8 Northwest</u>	Address <u>1241 Bellevue Street</u>
Address 2 <u>Suite 114</u>	Address 2 <u>Suite 114</u>	Address 2 <u>Suite 9</u>
City <u>Saint Paul</u>	City <u>Saint Paul</u>	City <u>Green Bay</u>
State <u>MN</u> Zip <u>55112</u>	State <u>MN</u> Zip <u>55112</u>	State <u>WI</u> Zip <u>54302</u>
Phone <u>(651) 639-0913</u>	Phone <u>(651) 639-0913</u>	Phone <u>(920)469-2436</u>

Info

Project Name <u>1115796-25 Rhinelander LF Groundwater</u>	Due Date <u>10/03/2017</u>	Profile _____	Quote _____
Project Manager <u>Milewsky, Dan</u>	Return _____	Carrier <u>Most Economical</u>	Location _____

Trip Blanks <input checked="" type="checkbox"/> Include Trip Blanks	Bottle Labels <input checked="" type="checkbox"/> Blank <input type="checkbox"/> Pre-Printed No Sample IDs <input type="checkbox"/> Pre-Printed With Sample IDs	Bottles <input type="checkbox"/> Boxed Cases <input type="checkbox"/> Individually Wrapped <input type="checkbox"/> Grouped By Sample
Return Shipping Labels <input type="checkbox"/> No Shipper Number <input type="checkbox"/> With Shipper Number	Misc <input type="checkbox"/> Sampling Instructions <input type="checkbox"/> Custody Seal <input type="checkbox"/> Temp. Blanks <input checked="" type="checkbox"/> Coolers _____ <input type="checkbox"/> Syringes _____	
COC Options <input checked="" type="checkbox"/> Number of Blanks <u>3</u> <input type="checkbox"/> Pre-Printed _____	<input type="checkbox"/> Extra Bubble Wrap <input type="checkbox"/> Short Hold/Rush Stickers <input type="checkbox"/> DI Water <u>Liter(s)</u> <input type="checkbox"/> USDA Regulated Soils	

# of Samples	Matrix	Test	Container	Total	# of QC	Lot #	Notes
2	WT	Trip BLANK	2-40mL HCL w/custody seal	4	0	B-7-161-01VB	
22	WT	VOC W/ List	3-40ml clear vial HCl-hydrochloric acid	66	0	B-7-240-01VB	
22	WT	Alkalinity and/or Chloride	250mL plastic unpres	22	0	M-7-123-07BB	
22	WT	Hardness and Metals	250mL plastic HNO3-nitric acid	22	0	M-7-240-03BB	
4	WT	Ammonia and TKN	250mL plastic H2SO4	4	0	M-7-170-05BB	

Hazard Shipping Placard In Place : NA

- *Sample receiving hours are Monday through Friday 8:00 am to 6:00 pm and Saturday from 9:00 am to 12:00 pm unless special arrangements are made with your project manager.
- *Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.
- *Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage and disposal.
- *Payment term are net 30 days.
- *Please include the proposal number on the chain of custody to insure proper billing.

Sample Notes

Ship Date :	<u>09/29/2017</u>
Prepared By:	<u>Mai Yer Her</u>
Verified By:	_____

October 26, 2017

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

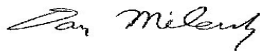
RE: Project: 11115796 RHINELANDER LF
Pace Project No.: 40158519

Dear Grant Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory between October 12, 2017 and October 13, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



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

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40158519001	MW-20A	Water	10/10/17 15:45	10/12/17 09:30
40158519002	MW-20C	Water	10/10/17 15:50	10/12/17 09:30
40158519003	MW-20B	Water	10/10/17 16:00	10/12/17 09:30
40158519004	MW-28A	Water	10/10/17 17:03	10/12/17 09:30
40158519005	MW-2A	Water	10/11/17 08:30	10/12/17 09:30
40158519006	MW-2B	Water	10/11/17 08:45	10/12/17 09:30
40158519007	MW-21A	Water	10/11/17 09:15	10/12/17 09:30
40158519008	MW-3A	Water	10/11/17 09:30	10/12/17 09:30
40158519009	TRIP BLANK	Water		10/12/17 14:57
40158519010	MW-28B	Water	10/11/17 17:03	10/13/17 09:48
40158519011	MW-19C	Water	10/11/17 16:46	10/13/17 09:48
40158519012	MW-19B	Water	10/11/17 16:46	10/13/17 09:48

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SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40158519001	MW-20A	EPA 6010	JLD	4
		EPA 8260	LAP	65
			RMW	6
		EPA 300.0	HMB	1
40158519002	MW-20C	EPA 310.2	DAW	1
		EPA 6010	JLD	3
		EPA 8260	LAP	65
			RMW	6
40158519003	MW-20B	EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	6
		EPA 8260	LAP	65
40158519004	MW-28A		RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	4
40158519005	MW-2A	EPA 8260	LAP	65
			RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
40158519006	MW-2B	EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 6010	JLD	4
		EPA 8260	LAP	65
40158519007	MW-21A		RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 6010	JLD	4
		EPA 8260	LAP	65
			RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1

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SAMPLE ANALYTE COUNT

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40158519008	MW-3A	EPA 350.1	TMK	1
		EPA 351.2	TMK	1
		EPA 6010	JLD	4
		EPA 8260	LAP	65
			RMW	6
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 350.1	TMK	1
40158519009	TRIP BLANK	EPA 351.2	TMK	1
		EPA 8260	LAP	65
40158519010	MW-28B		RMW	6
40158519011	MW-19C		RMW	6
40158519012	MW-19B		RMW	6

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-20A **Lab ID: 40158519001** Collected: 10/10/17 15:45 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	782	ug/L	40.0	6.7	1		10/13/17 20:20	7440-42-8	
Iron, Dissolved	114000	ug/L	100	15.5	1		10/13/17 20:20	7439-89-6	
Manganese, Dissolved	1130	ug/L	5.0	1.1	1		10/16/17 11:29	7439-96-5	
Total Hardness by 2340B, Dissolved	249	mg/L	2.0	0.15	1		10/13/17 20:20		
8260 MSV		Analytical Method: EPA 8260							
Benzene	2.1	ug/L	1.0	0.50	1		10/17/17 00:22	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/17/17 00:22	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/17/17 00:22	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/17/17 00:22	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 00:22	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/17/17 00:22	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	56-23-5	
Chlorobenzene	6.8	ug/L	1.0	0.50	1		10/17/17 00:22	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/17/17 00:22	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/17/17 00:22	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/17/17 00:22	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/17/17 00:22	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/17/17 00:22	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/17/17 00:22	74-95-3	
1,2-Dichlorobenzene	0.79J	ug/L	1.0	0.50	1		10/17/17 00:22	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	541-73-1	
1,4-Dichlorobenzene	1.5	ug/L	1.0	0.50	1		10/17/17 00:22	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/17/17 00:22	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/17/17 00:22	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/17/17 00:22	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/17/17 00:22	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 00:22	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 00:22	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/17/17 00:22	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/17/17 00:22	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/17/17 00:22	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/17/17 00:22	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/17/17 00:22	87-68-3	
Isopropylbenzene (Cumene)	3.3	ug/L	1.0	0.14	1		10/17/17 00:22	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-20A **Lab ID: 40158519001** Collected: 10/10/17 15:45 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/17/17 00:22	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/17/17 00:22	1634-04-4	
Naphthalene	12.9	ug/L	5.0	2.5	1		10/17/17 00:22	91-20-3	
n-Propylbenzene	2.3	ug/L	1.0	0.50	1		10/17/17 00:22	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/17/17 00:22	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/17/17 00:22	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	127-18-4	
Tetrahydrofuran	9.6	ug/L	5.0	2.0	1		10/17/17 00:22	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/17/17 00:22	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 00:22	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/17/17 00:22	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/17/17 00:22	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/17/17 00:22	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:22	96-18-4	
1,2,4-Trimethylbenzene	18.8	ug/L	1.0	0.50	1		10/17/17 00:22	95-63-6	
1,3,5-Trimethylbenzene	4.1	ug/L	1.0	0.50	1		10/17/17 00:22	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/17/17 00:22	75-01-4	
m&p-Xylene	46.5	ug/L	2.0	1.0	1		10/17/17 00:22	179601-23-1	
o-Xylene	1.0	ug/L	1.0	0.50	1		10/17/17 00:22	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		10/17/17 00:22	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		10/17/17 00:22	1868-53-7	
Toluene-d8 (S)	90	%	70-130		1		10/17/17 00:22	2037-26-5	
Field Data Analytical Method:									
Field pH	6.77	Std. Units			1		10/10/17 15:45		
Field Specific Conductance	1280	umhos/cm			1		10/10/17 15:45		
Oxygen, Dissolved	0	mg/L			1		10/10/17 15:45	7782-44-7	
REDOX	312	mV			1		10/10/17 15:45		
Turbidity	0	NTU			1		10/10/17 15:45		
Temperature, Water (C)	11.73	deg C			1		10/10/17 15:45		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	13.1	mg/L	10.0	2.5	5		10/19/17 17:10	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	466	mg/L	117	35.2	5		10/20/17 11:02		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-20C **Lab ID: 40158519002** Collected: 10/10/17 15:50 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	21300	ug/L	100	15.5	1		10/13/17 20:22	7439-89-6	
Manganese, Dissolved	1430	ug/L	5.0	1.1	1		10/16/17 11:32	7439-96-5	
Total Hardness by 2340B, Dissolved	180	mg/L	2.0	0.15	1		10/13/17 20:22		
8260 MSV		Analytical Method: EPA 8260							
Benzene	0.77J	ug/L	1.0	0.50	1		10/17/17 00:45	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/17/17 00:45	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/17/17 00:45	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/17/17 00:45	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 00:45	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/17/17 00:45	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	56-23-5	
Chlorobenzene	0.95J	ug/L	1.0	0.50	1		10/17/17 00:45	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/17/17 00:45	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/17/17 00:45	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/17/17 00:45	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/17/17 00:45	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/17/17 00:45	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/17/17 00:45	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/17/17 00:45	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/17/17 00:45	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/17/17 00:45	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/17/17 00:45	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 00:45	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 00:45	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/17/17 00:45	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/17/17 00:45	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/17/17 00:45	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/17/17 00:45	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/17/17 00:45	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/17/17 00:45	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-20C **Lab ID: 40158519002** Collected: 10/10/17 15:50 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/17/17 00:45	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/17/17 00:45	1634-04-4	
Naphthalene	5.6	ug/L	5.0	2.5	1		10/17/17 00:45	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/17/17 00:45	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/17/17 00:45	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	127-18-4	
Tetrahydrofuran	6.4	ug/L	5.0	2.0	1		10/17/17 00:45	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/17/17 00:45	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 00:45	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/17/17 00:45	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/17/17 00:45	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/17/17 00:45	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/17/17 00:45	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/17/17 00:45	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		10/17/17 00:45	460-00-4	
Dibromofluoromethane (S)	92	%	67-130		1		10/17/17 00:45	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		10/17/17 00:45	2037-26-5	
Field Data		Analytical Method:							
Field pH	7.22	Std. Units			1		10/10/17 15:50		
Field Specific Conductance	655	umhos/cm			1		10/10/17 15:50		
Oxygen, Dissolved	0	mg/L			1		10/10/17 15:50	7782-44-7	
REDOX	259	mV			1		10/10/17 15:50		
Turbidity	0	NTU			1		10/10/17 15:50		
Temperature, Water (C)	8.21	deg C			1		10/10/17 15:50		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	44.9	mg/L	10.0	2.5	5		10/19/17 17:20	16887-00-6	
310.2 Alkalinity		Analytical Method: EPA 310.2							
Alkalinity, Total as CaCO3	179	mg/L	23.5	7.0	1		10/20/17 09:42		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-20B **Lab ID: 40158519003** Collected: 10/10/17 16:00 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	128	ug/L	40.0	6.7	1		10/16/17 16:46	7440-42-8	
Calcium, Dissolved	38800	ug/L	500	97.7	1		10/16/17 16:46	7440-70-2	
Iron, Dissolved	15700	ug/L	100	15.5	1		10/16/17 16:46	7439-89-6	
Magnesium, Dissolved	15800	ug/L	1000	115	1		10/16/17 16:46	7439-95-4	
Manganese, Dissolved	1120	ug/L	5.0	1.1	1		10/16/17 16:46	7439-96-5	
Total Hardness by 2340B, Dissolved	162	mg/L	2.0	0.15	1		10/16/17 16:46		
8260 MSV		Analytical Method: EPA 8260							
Benzene	0.68J	ug/L	1.0	0.50	1		10/17/17 01:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/17/17 01:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/17/17 01:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/17/17 01:07	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 01:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/17/17 01:07	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	56-23-5	
Chlorobenzene	0.55J	ug/L	1.0	0.50	1		10/17/17 01:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/17/17 01:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/17/17 01:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/17/17 01:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/17/17 01:07	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/17/17 01:07	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/17/17 01:07	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/17/17 01:07	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/17/17 01:07	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/17/17 01:07	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/17/17 01:07	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 01:07	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 01:07	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/17/17 01:07	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/17/17 01:07	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/17/17 01:07	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/17/17 01:07	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	100-41-4	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-20B **Lab ID: 40158519003** Collected: 10/10/17 16:00 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/17/17 01:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/17/17 01:07	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/17/17 01:07	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/17/17 01:07	1634-04-4	
Naphthalene	6.9	ug/L	5.0	2.5	1		10/17/17 01:07	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/17/17 01:07	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/17/17 01:07	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	127-18-4	
Tetrahydrofuran	5.9	ug/L	5.0	2.0	1		10/17/17 01:07	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/17/17 01:07	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 01:07	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/17/17 01:07	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/17/17 01:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/17/17 01:07	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/17/17 01:07	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/17/17 01:07	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		10/17/17 01:07	460-00-4	
Dibromofluoromethane (S)	97	%	67-130		1		10/17/17 01:07	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/17/17 01:07	2037-26-5	
Field Data Analytical Method:									
Field pH	7.11	Std. Units			1		10/10/17 16:00		
Field Specific Conductance	537	umhos/cm			1		10/10/17 16:00		
Oxygen, Dissolved	0	mg/L			1		10/10/17 16:00	7782-44-7	
REDOX	135	mV			1		10/10/17 16:00		
Turbidity	0	NTU			1		10/10/17 16:00		
Temperature, Water (C)	7.98	deg C			1		10/10/17 16:00		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	46.8	mg/L	10.0	2.5	5		10/19/17 17:31	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	146	mg/L	23.5	7.0	1		10/20/17 09:43		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-28A **Lab ID: 40158519004** Collected: 10/10/17 17:03 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	210	ug/L	40.0	6.7	1		10/16/17 16:52	7440-42-8	
Iron, Dissolved	7200	ug/L	100	15.5	1		10/16/17 16:52	7439-89-6	
Manganese, Dissolved	1640	ug/L	5.0	1.1	1		10/16/17 16:52	7439-96-5	
Total Hardness by 2340B, Dissolved	245	mg/L	2.0	0.15	1		10/16/17 16:52		
8260 MSV		Analytical Method: EPA 8260							
Benzene	0.64J	ug/L	1.0	0.50	1		10/17/17 01:30	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/17/17 01:30	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/17/17 01:30	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/17/17 01:30	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 01:30	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/17/17 01:30	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/17/17 01:30	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/17/17 01:30	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/17/17 01:30	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/17/17 01:30	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/17/17 01:30	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/17/17 01:30	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	541-73-1	
1,4-Dichlorobenzene	0.85J	ug/L	1.0	0.50	1		10/17/17 01:30	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/17/17 01:30	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/17/17 01:30	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/17/17 01:30	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/17/17 01:30	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 01:30	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 01:30	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/17/17 01:30	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/17/17 01:30	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/17/17 01:30	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/17/17 01:30	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/17/17 01:30	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/17/17 01:30	98-82-8	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-28A **Lab ID: 40158519004** Collected: 10/10/17 17:03 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/17/17 01:30	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/17/17 01:30	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/17/17 01:30	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/17/17 01:30	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/17/17 01:30	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	127-18-4	
Tetrahydrofuran	19.0	ug/L	5.0	2.0	1		10/17/17 01:30	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/17/17 01:30	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 01:30	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/17/17 01:30	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/17/17 01:30	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/17/17 01:30	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	108-67-8	
Vinyl chloride	1.5	ug/L	1.0	0.18	1		10/17/17 01:30	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/17/17 01:30	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		10/17/17 01:30	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		10/17/17 01:30	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		10/17/17 01:30	2037-26-5	
Field Data		Analytical Method:							
Field pH	6.68	Std. Units			1		10/10/17 17:03		
Field Specific Conductance	N/A	umhos/cm			1		10/10/17 17:03		
Oxygen, Dissolved	6.18	mg/L			1		10/10/17 17:03	7782-44-7	
REDOX	60	mV			1		10/10/17 17:03		
Turbidity	0	NTU			1		10/10/17 17:03		
Temperature, Water (C)	10.5	deg C			1		10/10/17 17:03		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	22.1	mg/L	10.0	2.5	5		10/19/17 17:41	16887-00-6	
310.2 Alkalinity		Analytical Method: EPA 310.2							
Alkalinity, Total as CaCO3	298	mg/L	23.5	7.0	1		10/20/17 09:43		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-2A **Lab ID: 40158519005** Collected: 10/11/17 08:30 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	1430	ug/L	40.0	6.7	1		10/16/17 16:55	7440-42-8	
Iron, Dissolved	49800	ug/L	100	15.5	1		10/16/17 16:55	7439-89-6	
Manganese, Dissolved	1050	ug/L	5.0	1.1	1		10/16/17 16:55	7439-96-5	
Total Hardness by 2340B, Dissolved	879	mg/L	2.0	0.15	1		10/16/17 16:55		
8260 MSV		Analytical Method: EPA 8260							
Benzene	18.9	ug/L	1.0	0.50	1		10/17/17 01:53	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/17/17 01:53	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/17/17 01:53	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/17/17 01:53	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 01:53	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/17/17 01:53	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	56-23-5	
Chlorobenzene	0.77J	ug/L	1.0	0.50	1		10/17/17 01:53	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/17/17 01:53	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/17/17 01:53	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/17/17 01:53	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/17/17 01:53	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/17/17 01:53	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/17/17 01:53	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	541-73-1	
1,4-Dichlorobenzene	1.1	ug/L	1.0	0.50	1		10/17/17 01:53	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/17/17 01:53	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/17/17 01:53	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/17/17 01:53	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/17/17 01:53	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 01:53	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 01:53	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/17/17 01:53	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/17/17 01:53	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/17/17 01:53	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/17/17 01:53	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/17/17 01:53	87-68-3	
Isopropylbenzene (Cumene)	0.35J	ug/L	1.0	0.14	1		10/17/17 01:53	98-82-8	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-2A **Lab ID: 40158519005** Collected: 10/11/17 08:30 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/17/17 01:53	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/17/17 01:53	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/17/17 01:53	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/17/17 01:53	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/17/17 01:53	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	127-18-4	
Tetrahydrofuran	133	ug/L	5.0	2.0	1		10/17/17 01:53	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/17/17 01:53	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 01:53	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/17/17 01:53	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/17/17 01:53	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/17/17 01:53	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	96-18-4	
1,2,4-Trimethylbenzene	1.9	ug/L	1.0	0.50	1		10/17/17 01:53	95-63-6	
1,3,5-Trimethylbenzene	2.0	ug/L	1.0	0.50	1		10/17/17 01:53	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/17/17 01:53	75-01-4	
m&p-Xylene	2.3	ug/L	2.0	1.0	1		10/17/17 01:53	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/17/17 01:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		1		10/17/17 01:53	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		10/17/17 01:53	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/17/17 01:53	2037-26-5	
Field Data		Analytical Method:							
Field pH	6.78	Std. Units			1		10/11/17 08:30		
Field Specific Conductance	3640	umhos/cm			1		10/11/17 08:30		
Oxygen, Dissolved	2.32	mg/L			1		10/11/17 08:30	7782-44-7	
REDOX	372	mV			1		10/11/17 08:30		
Turbidity	0	NTU			1		10/11/17 08:30		
Temperature, Water (C)	5.44	deg C			1		10/11/17 08:30		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	58.0	mg/L	10.0	2.5	5		10/19/17 17:52	16887-00-6	
310.2 Alkalinity		Analytical Method: EPA 310.2							
Alkalinity, Total as CaCO3	1720	mg/L	235	70.4	10		10/20/17 09:44		
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	214	mg/L	10.0	5.0	20		10/23/17 14:40	7664-41-7	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-2A **Lab ID: 40158519005** Collected: 10/11/17 08:30 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen									
Analytical Method: EPA 351.2 Preparation Method: EPA 351.2									
Nitrogen, Kjeldahl, Total	198	mg/L	14.6	4.4	1	10/20/17 13:04	10/20/17 18:14	7727-37-9	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-2B **Lab ID: 40158519006** Collected: 10/11/17 08:45 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	145	ug/L	40.0	6.7	1		10/16/17 16:57	7440-42-8	
Iron, Dissolved	21100	ug/L	100	15.5	1		10/16/17 16:57	7439-89-6	
Manganese, Dissolved	1350	ug/L	5.0	1.1	1		10/16/17 16:57	7439-96-5	
Total Hardness by 2340B, Dissolved	169	mg/L	2.0	0.15	1		10/16/17 16:57		
8260 MSV		Analytical Method: EPA 8260							
Benzene	0.74J	ug/L	1.0	0.50	1		10/17/17 02:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/17/17 02:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/17/17 02:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/17/17 02:15	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 02:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/17/17 02:15	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/17/17 02:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/17/17 02:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/17/17 02:15	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/17/17 02:15	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/17/17 02:15	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/17/17 02:15	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/17/17 02:15	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/17/17 02:15	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/17/17 02:15	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/17/17 02:15	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 02:15	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 02:15	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/17/17 02:15	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/17/17 02:15	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/17/17 02:15	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/17/17 02:15	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/17/17 02:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/17/17 02:15	98-82-8	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-2B **Lab ID: 40158519006** Collected: 10/11/17 08:45 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/17/17 02:15	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/17/17 02:15	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/17/17 02:15	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/17/17 02:15	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/17/17 02:15	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	127-18-4	
Tetrahydrofuran	10.6	ug/L	5.0	2.0	1		10/17/17 02:15	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/17/17 02:15	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 02:15	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/17/17 02:15	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/17/17 02:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/17/17 02:15	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/17/17 02:15	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/17/17 02:15	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	61-130		1		10/17/17 02:15	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		10/17/17 02:15	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/17/17 02:15	2037-26-5	
Field Data		Analytical Method:							
Field pH	7.73	Std. Units			1		10/11/17 08:45		
Field Specific Conductance	728	umhos/cm			1		10/11/17 08:45		
Oxygen, Dissolved	0	mg/L			1		10/11/17 08:45	7782-44-7	
REDOX	219	mV			1		10/11/17 08:45		
Turbidity	0	NTU			1		10/11/17 08:45		
Temperature, Water (C)	7.46	deg C			1		10/11/17 08:45		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	23.7	mg/L	10.0	2.5	5		10/19/17 18:02	16887-00-6	
310.2 Alkalinity		Analytical Method: EPA 310.2							
Alkalinity, Total as CaCO3	211	mg/L	47.0	14.1	2		10/20/17 09:45		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-21A **Lab ID: 40158519007** Collected: 10/11/17 09:15 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	1220	ug/L	40.0	6.7	1		10/16/17 16:59	7440-42-8	
Iron, Dissolved	39600	ug/L	100	15.5	1		10/16/17 16:59	7439-89-6	
Manganese, Dissolved	1220	ug/L	5.0	1.1	1		10/16/17 16:59	7439-96-5	
Total Hardness by 2340B, Dissolved	732	mg/L	2.0	0.15	1		10/16/17 16:59		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		10/17/17 03:00	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		10/17/17 03:00	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		10/17/17 03:00	74-83-9	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	104-51-8	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		10/17/17 03:00	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		10/17/17 03:00	98-06-6	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	56-23-5	
Chlorobenzene	5.4J	ug/L	10.0	5.0	10		10/17/17 03:00	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		10/17/17 03:00	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		10/17/17 03:00	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	74-87-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		10/17/17 03:00	106-43-4	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		10/17/17 03:00	96-12-8	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	124-48-1	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		10/17/17 03:00	106-93-4	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		10/17/17 03:00	74-95-3	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	541-73-1	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	106-46-7	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		10/17/17 03:00	75-71-8	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		10/17/17 03:00	75-34-3	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		10/17/17 03:00	107-06-2	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		10/17/17 03:00	75-35-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		10/17/17 03:00	156-59-2	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		10/17/17 03:00	156-60-5	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		10/17/17 03:00	78-87-5	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	142-28-9	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		10/17/17 03:00	594-20-7	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		10/17/17 03:00	563-58-6	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		10/17/17 03:00	10061-02-6	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		10/17/17 03:00	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		10/17/17 03:00	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-21A **Lab ID: 40158519007** Collected: 10/11/17 09:15 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	99-87-6	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		10/17/17 03:00	75-09-2	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		10/17/17 03:00	1634-04-4	
Naphthalene	<25.0	ug/L	50.0	25.0	10		10/17/17 03:00	91-20-3	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	103-65-1	
Styrene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	100-42-5	
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		10/17/17 03:00	630-20-6	
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		10/17/17 03:00	79-34-5	
Tetrachloroethene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	127-18-4	
Tetrahydrofuran	189	ug/L	50.0	20.3	10		10/17/17 03:00	109-99-9	
Toluene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	108-88-3	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		10/17/17 03:00	87-61-6	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		10/17/17 03:00	120-82-1	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		10/17/17 03:00	79-00-5	
Trichloroethene	5.4J	ug/L	10.0	3.3	10		10/17/17 03:00	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		10/17/17 03:00	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	96-18-4	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	95-63-6	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	108-67-8	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		10/17/17 03:00	75-01-4	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		10/17/17 03:00	179601-23-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		10/17/17 03:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	61-130		10		10/17/17 03:00	460-00-4	D3
Dibromofluoromethane (S)	97	%	67-130		10		10/17/17 03:00	1868-53-7	
Toluene-d8 (S)	96	%	70-130		10		10/17/17 03:00	2037-26-5	
Field Data Analytical Method:									
Field pH	6.68	Std. Units			1		10/11/17 09:15		
Field Specific Conductance	3940	umhos/cm			1		10/11/17 09:15		
Oxygen, Dissolved	0	mg/L			1		10/11/17 09:15	7782-44-7	
REDOX	170	mV			1		10/11/17 09:15		
Turbidity	0	NTU			1		10/11/17 09:15		
Temperature, Water (C)	9.25	deg C			1		10/11/17 09:15		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	56.0	mg/L	10.0	2.5	5		10/19/17 18:13	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	1820	mg/L	235	70.4	10		10/20/17 09:47		
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	267	mg/L	10.0	5.0	20		10/23/17 14:43	7664-41-7	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-21A **Lab ID: 40158519007** Collected: 10/11/17 09:15 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen									
Analytical Method: EPA 351.2 Preparation Method: EPA 351.2									
Nitrogen, Kjeldahl, Total	254	mg/L	14.6	4.4	1	10/20/17 13:04	10/20/17 18:18	7727-37-9	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-3A **Lab ID: 40158519008** Collected: 10/11/17 09:30 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	44.3	ug/L	40.0	6.7	1		10/16/17 17:02	7440-42-8	
Iron, Dissolved	48300	ug/L	100	15.5	1		10/17/17 11:44	7439-89-6	
Manganese, Dissolved	4750	ug/L	5.0	1.1	1		10/16/17 17:02	7439-96-5	
Total Hardness by 2340B, Dissolved	365	mg/L	2.0	0.15	1		10/17/17 11:44		
8260 MSV		Analytical Method: EPA 8260							
Benzene	1.8	ug/L	1.0	0.50	1		10/17/17 02:38	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/17/17 02:38	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/17/17 02:38	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/17/17 02:38	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 02:38	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/17/17 02:38	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/17/17 02:38	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/17/17 02:38	67-66-3	
Chloromethane	7.0	ug/L	1.0	0.50	1		10/17/17 02:38	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/17/17 02:38	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/17/17 02:38	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/17/17 02:38	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/17/17 02:38	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/17/17 02:38	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/17/17 02:38	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/17/17 02:38	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/17/17 02:38	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 02:38	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 02:38	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/17/17 02:38	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/17/17 02:38	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/17/17 02:38	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/17/17 02:38	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/17/17 02:38	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/17/17 02:38	98-82-8	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-3A **Lab ID: 40158519008** Collected: 10/11/17 09:30 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	99-87-6	
Methylene Chloride	1.0	ug/L	1.0	0.23	1		10/17/17 02:38	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/17/17 02:38	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/17/17 02:38	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/17/17 02:38	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/17/17 02:38	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	127-18-4	
Tetrahydrofuran	82.7	ug/L	5.0	2.0	1		10/17/17 02:38	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/17/17 02:38	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 02:38	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/17/17 02:38	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/17/17 02:38	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/17/17 02:38	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/17/17 02:38	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/17/17 02:38	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/17/17 02:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		10/17/17 02:38	460-00-4	
Dibromofluoromethane (S)	95	%	67-130		1		10/17/17 02:38	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		10/17/17 02:38	2037-26-5	
Field Data		Analytical Method:							
Field pH	6.71	Std. Units			1		10/11/17 09:30		
Field Specific Conductance	1630	umhos/cm			1		10/11/17 09:30		
Oxygen, Dissolved	0	mg/L			1		10/11/17 09:30	7782-44-7	
REDOX	142	mV			1		10/11/17 09:30		
Turbidity	0	NTU			1		10/11/17 09:30		
Temperature, Water (C)	9.33	deg C			1		10/11/17 09:30		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	28.5	mg/L	10.0	2.5	5		10/19/17 18:23	16887-00-6	
310.2 Alkalinity		Analytical Method: EPA 310.2							
Alkalinity, Total as CaCO3	704	mg/L	117	35.2	5		10/20/17 09:47		
350.1 Ammonia		Analytical Method: EPA 350.1							
Nitrogen, Ammonia	86.4	mg/L	5.0	2.5	10		10/23/17 14:44	7664-41-7	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-3A **Lab ID: 40158519008** Collected: 10/11/17 09:30 Received: 10/12/17 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen									
Analytical Method: EPA 351.2 Preparation Method: EPA 351.2									
Nitrogen, Kjeldahl, Total	75.6	mg/L	7.3	2.2	1	10/20/17 13:04	10/20/17 18:19	7727-37-9	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: TRIP BLANK **Lab ID: 40158519009** Collected: Received: 10/12/17 14:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		10/17/17 00:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		10/17/17 00:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		10/17/17 00:00	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 00:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		10/17/17 00:00	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		10/17/17 00:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		10/17/17 00:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		10/17/17 00:00	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		10/17/17 00:00	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		10/17/17 00:00	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		10/17/17 00:00	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		10/17/17 00:00	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		10/17/17 00:00	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		10/17/17 00:00	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		10/17/17 00:00	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 00:00	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		10/17/17 00:00	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		10/17/17 00:00	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		10/17/17 00:00	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		10/17/17 00:00	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		10/17/17 00:00	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		10/17/17 00:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		10/17/17 00:00	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		10/17/17 00:00	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		10/17/17 00:00	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		10/17/17 00:00	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		10/17/17 00:00	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: TRIP BLANK **Lab ID: 40158519009** Collected: Received: 10/12/17 14:57 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		10/17/17 00:00	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		10/17/17 00:00	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		10/17/17 00:00	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		10/17/17 00:00	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		10/17/17 00:00	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		10/17/17 00:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		10/17/17 00:00	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		10/17/17 00:00	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		10/17/17 00:00	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		10/17/17 00:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		10/17/17 00:00	460-00-4	
Dibromofluoromethane (S)	101	%	67-130		1		10/17/17 00:00	1868-53-7	
Toluene-d8 (S)	91	%	70-130		1		10/17/17 00:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-28B **Lab ID: 40158519010** Collected: 10/11/17 17:03 Received: 10/13/17 09:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	7.32	Std. Units			1		10/11/17 17:03		
Field Specific Conductance	210	umhos/cm			1		10/11/17 17:03		
Oxygen, Dissolved	0	mg/L			1		10/11/17 17:03	7782-44-7	
REDOX	20	mV			1		10/11/17 17:03		
Turbidity	0	NTU			1		10/11/17 17:03		
Temperature, Water (C)	11.15	deg C			1		10/11/17 17:03		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-19C **Lab ID: 40158519011** Collected: 10/11/17 16:46 Received: 10/13/17 09:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data		Analytical Method:							
Field pH	7	Std. Units			1		10/11/17 16:46		
Field Specific Conductance	762	umhos/cm			1		10/11/17 16:46		
Oxygen, Dissolved	0	mg/L			1		10/11/17 16:46	7782-44-7	
REDOX	89	mV			1		10/11/17 16:46		
Turbidity	0	NTU			1		10/11/17 16:46		
Temperature, Water (C)	11.29	deg C			1		10/11/17 16:46		

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ANALYTICAL RESULTS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Sample: MW-19B **Lab ID: 40158519012** Collected: 10/11/17 16:46 Received: 10/13/17 09:48 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method:								
Field pH	7	Std. Units			1		10/11/17 16:46		
Field Specific Conductance	732	umhos/cm			1		10/11/17 16:46		
Oxygen, Dissolved	0	mg/L			1		10/11/17 16:46	7782-44-7	
REDOX	131	mV			1		10/11/17 16:46		
Turbidity	0	NTU			1		10/11/17 16:46		
Temperature, Water (C)	10.17	deg C			1		10/11/17 16:46		

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158519

QC Batch: 270573 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40158519001, 40158519002

METHOD BLANK: 1590297 Matrix: Water
Associated Lab Samples: 40158519001, 40158519002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron, Dissolved	ug/L	<6.7	40.0	10/13/17 19:19	
Iron, Dissolved	ug/L	<15.5	100	10/13/17 19:19	
Manganese, Dissolved	ug/L	<1.1	5.0	10/13/17 19:19	
Total Hardness by 2340B, Dissolved	mg/L	<0.15	2.0	10/13/17 19:19	

LABORATORY CONTROL SAMPLE: 1590298

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron, Dissolved	ug/L	500	510	102	80-120	
Iron, Dissolved	ug/L	5000	5010	100	80-120	
Manganese, Dissolved	ug/L	500	500	100	80-120	
Total Hardness by 2340B, Dissolved	mg/L		31.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1590299 1590300

Parameter	Units	40158418008		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Boron, Dissolved	ug/L	8.7J	500	500	526	562	103	111	75-125	7	20		
Iron, Dissolved	ug/L	497	5000	5000	5510	5840	100	107	75-125	6	20		
Manganese, Dissolved	ug/L	234	500	500	733	772	100	108	75-125	5	20		
Total Hardness by 2340B, Dissolved	mg/L	456000 ug/L			480	479				0	20		

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158519

QC Batch: 270692 Analysis Method: EPA 6010
QC Batch Method: EPA 6010 Analysis Description: ICP Metals, Trace, Dissolved
Associated Lab Samples: 40158519003, 40158519004, 40158519005, 40158519006, 40158519007, 40158519008

METHOD BLANK: 1591574 Matrix: Water
Associated Lab Samples: 40158519003, 40158519004, 40158519005, 40158519006, 40158519007, 40158519008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron, Dissolved	ug/L	<6.7	40.0	10/16/17 16:36	
Calcium, Dissolved	ug/L	<97.7	500	10/16/17 16:36	
Iron, Dissolved	ug/L	<15.5	100	10/16/17 16:36	
Magnesium, Dissolved	ug/L	<115	1000	10/16/17 16:36	
Manganese, Dissolved	ug/L	<1.1	5.0	10/16/17 16:36	
Total Hardness by 2340B, Dissolved	mg/L	<0.15	2.0	10/16/17 16:36	

LABORATORY CONTROL SAMPLE: 1591575

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron, Dissolved	ug/L	500	479	96	80-120	
Calcium, Dissolved	ug/L	5000	5040	101	80-120	
Iron, Dissolved	ug/L	5000	5030	101	80-120	
Magnesium, Dissolved	ug/L	5000	4900	98	80-120	
Manganese, Dissolved	ug/L	500	512	102	80-120	
Total Hardness by 2340B, Dissolved	mg/L		32.8			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1591576 1591577

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40158519003 Result	Spike Conc.	Spike Conc.	MS Result						
Boron, Dissolved	ug/L	128	500	500	614	649	97	104	75-125	6	20
Calcium, Dissolved	ug/L	38800	5000	5000	42900	42900	82	83	75-125	0	20
Iron, Dissolved	ug/L	15700	5000	5000	20500	20700	95	100	75-125	1	20
Magnesium, Dissolved	ug/L	15800	5000	5000	20400	20600	92	95	75-125	1	20
Manganese, Dissolved	ug/L	1120	500	500	1600	1610	96	99	75-125	1	20
Total Hardness by 2340B, Dissolved	mg/L	162			191	192				1	20

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158519

QC Batch: 270618 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40158519001, 40158519002, 40158519003, 40158519004, 40158519005, 40158519006, 40158519007, 40158519008, 40158519009

METHOD BLANK: 1591330 Matrix: Water
Associated Lab Samples: 40158519001, 40158519002, 40158519003, 40158519004, 40158519005, 40158519006, 40158519007, 40158519008, 40158519009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	10/16/17 17:13	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	10/16/17 17:13	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	10/16/17 17:13	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	10/16/17 17:13	
1,1-Dichloroethane	ug/L	<0.24	1.0	10/16/17 17:13	
1,1-Dichloroethene	ug/L	<0.41	1.0	10/16/17 17:13	
1,1-Dichloropropene	ug/L	<0.44	1.0	10/16/17 17:13	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	10/16/17 17:13	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	10/16/17 17:13	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	10/16/17 17:13	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	10/16/17 17:13	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	10/16/17 17:13	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	10/16/17 17:13	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	10/16/17 17:13	
1,2-Dichloroethane	ug/L	<0.17	1.0	10/16/17 17:13	
1,2-Dichloropropane	ug/L	<0.23	1.0	10/16/17 17:13	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	10/16/17 17:13	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	10/16/17 17:13	
1,3-Dichloropropane	ug/L	<0.50	1.0	10/16/17 17:13	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	10/16/17 17:13	
2,2-Dichloropropane	ug/L	<0.48	1.0	10/16/17 17:13	
2-Chlorotoluene	ug/L	<0.50	1.0	10/16/17 17:13	
4-Chlorotoluene	ug/L	<0.21	1.0	10/16/17 17:13	
Benzene	ug/L	<0.50	1.0	10/16/17 17:13	
Bromobenzene	ug/L	<0.23	1.0	10/16/17 17:13	
Bromochloromethane	ug/L	<0.34	1.0	10/16/17 17:13	
Bromodichloromethane	ug/L	<0.50	1.0	10/16/17 17:13	
Bromoform	ug/L	<0.50	1.0	10/16/17 17:13	
Bromomethane	ug/L	<2.4	5.0	10/16/17 17:13	
Carbon tetrachloride	ug/L	<0.50	1.0	10/16/17 17:13	
Chlorobenzene	ug/L	<0.50	1.0	10/16/17 17:13	
Chloroethane	ug/L	<0.37	1.0	10/16/17 17:13	
Chloroform	ug/L	<2.5	5.0	10/16/17 17:13	
Chloromethane	ug/L	<0.50	1.0	10/16/17 17:13	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	10/16/17 17:13	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	10/16/17 17:13	
Dibromochloromethane	ug/L	<0.50	1.0	10/16/17 17:13	
Dibromomethane	ug/L	<0.43	1.0	10/16/17 17:13	
Dichlorodifluoromethane	ug/L	<0.22	1.0	10/16/17 17:13	
Diisopropyl ether	ug/L	<0.50	1.0	10/16/17 17:13	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

METHOD BLANK: 1591330

Matrix: Water

Associated Lab Samples: 40158519001, 40158519002, 40158519003, 40158519004, 40158519005, 40158519006, 40158519007, 40158519008, 40158519009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	10/16/17 17:13	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	10/16/17 17:13	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	10/16/17 17:13	
m&p-Xylene	ug/L	<1.0	2.0	10/16/17 17:13	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	10/16/17 17:13	
Methylene Chloride	ug/L	<0.23	1.0	10/16/17 17:13	
n-Butylbenzene	ug/L	<0.50	1.0	10/16/17 17:13	
n-Propylbenzene	ug/L	<0.50	1.0	10/16/17 17:13	
Naphthalene	ug/L	<2.5	5.0	10/16/17 17:13	
o-Xylene	ug/L	<0.50	1.0	10/16/17 17:13	
p-Isopropyltoluene	ug/L	<0.50	1.0	10/16/17 17:13	
sec-Butylbenzene	ug/L	<2.2	5.0	10/16/17 17:13	
Styrene	ug/L	<0.50	1.0	10/16/17 17:13	
tert-Butylbenzene	ug/L	<0.18	1.0	10/16/17 17:13	
Tetrachloroethene	ug/L	<0.50	1.0	10/16/17 17:13	
Tetrahydrofuran	ug/L	<2.0	5.0	10/16/17 17:13	
Toluene	ug/L	<0.50	1.0	10/16/17 17:13	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	10/16/17 17:13	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	10/16/17 17:13	
Trichloroethene	ug/L	<0.33	1.0	10/16/17 17:13	
Trichlorofluoromethane	ug/L	<0.18	1.0	10/16/17 17:13	
Vinyl chloride	ug/L	<0.18	1.0	10/16/17 17:13	
4-Bromofluorobenzene (S)	%	86	61-130	10/16/17 17:13	
Dibromofluoromethane (S)	%	100	67-130	10/16/17 17:13	
Toluene-d8 (S)	%	98	70-130	10/16/17 17:13	

LABORATORY CONTROL SAMPLE: 1591331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	49.6	51.6	104	70-130	
1,1,2,2-Tetrachloroethane	ug/L	49.6	42.5	86	70-130	
1,1,2-Trichloroethane	ug/L	49.6	44.7	90	70-130	
1,1-Dichloroethane	ug/L	49.6	46.5	94	71-132	
1,1-Dichloroethene	ug/L	49.6	45.8	92	75-130	
1,2,4-Trichlorobenzene	ug/L	49.6	42.9	87	70-130	
1,2-Dibromo-3-chloropropane	ug/L	49.6	41.3	83	63-123	
1,2-Dibromoethane (EDB)	ug/L	49.6	48.7	98	70-130	
1,2-Dichlorobenzene	ug/L	49.6	51.6	104	70-130	
1,2-Dichloroethane	ug/L	49.6	51.4	104	70-131	
1,2-Dichloropropane	ug/L	49.6	48.4	98	80-120	
1,3-Dichlorobenzene	ug/L	49.6	51.7	104	70-130	
1,4-Dichlorobenzene	ug/L	49.6	51.5	104	70-130	
Benzene	ug/L	49.6	44.5	90	73-145	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158519

LABORATORY CONTROL SAMPLE: 1591331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	49.6	52.4	106	70-130	
Bromoform	ug/L	49.6	41.3	83	67-130	
Bromomethane	ug/L	50	30.6	61	26-128	
Carbon tetrachloride	ug/L	49.6	51.9	105	70-133	
Chlorobenzene	ug/L	49.6	50.0	101	70-130	
Chloroethane	ug/L	50	43.4	87	58-120	
Chloroform	ug/L	49.6	48.3	97	80-121	
Chloromethane	ug/L	50	28.4	57	40-127	
cis-1,2-Dichloroethene	ug/L	49.6	47.4	96	70-130	
cis-1,3-Dichloropropene	ug/L	49.6	41.8	84	70-130	
Dibromochloromethane	ug/L	49.6	48.5	98	70-130	
Dichlorodifluoromethane	ug/L	50	34.2	68	20-135	
Ethylbenzene	ug/L	49.6	51.3	103	87-129	
Isopropylbenzene (Cumene)	ug/L	49.6	52.0	105	70-130	
m&p-Xylene	ug/L	99.2	99.6	100	70-130	
Methyl-tert-butyl ether	ug/L	49.6	43.4	88	66-143	
Methylene Chloride	ug/L	49.6	43.4	87	70-130	
o-Xylene	ug/L	49.6	51.9	105	70-130	
Styrene	ug/L	49.6	47.4	96	70-130	
Tetrachloroethene	ug/L	49.6	52.3	105	70-130	
Toluene	ug/L	49.6	45.3	91	82-130	
trans-1,2-Dichloroethene	ug/L	49.6	46.6	94	75-132	
trans-1,3-Dichloropropene	ug/L	49.6	37.6	76	70-130	
Trichloroethene	ug/L	49.6	55.6	112	70-130	
Trichlorofluoromethane	ug/L	50	54.6	109	76-133	
Vinyl chloride	ug/L	50	39.9	80	57-136	
4-Bromofluorobenzene (S)	%			97	61-130	
Dibromofluoromethane (S)	%			97	67-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1591907 1591908

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40158525004 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<1.0	49.6	49.6	52.2	54.2	105	109	70-134	4	20	
1,1,1,2,2-Tetrachloroethane	ug/L	<1.0	49.6	49.6	44.0	45.1	89	91	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<1.0	49.6	49.6	48.4	51.4	98	104	70-130	6	20	
1,1-Dichloroethane	ug/L	<1.0	49.6	49.6	49.2	50.4	99	102	71-133	3	20	
1,1-Dichloroethene	ug/L	<1.0	49.6	49.6	48.7	51.2	98	103	75-136	5	20	
1,2,4-Trichlorobenzene	ug/L	<5.0	49.6	49.6	45.5	47.4	92	95	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<5.0	49.6	49.6	48.9	47.9	99	96	63-123	2	20	
1,2-Dibromoethane (EDB)	ug/L	<1.0	49.6	49.6	47.9	55.9	97	113	70-130	15	20	
1,2-Dichlorobenzene	ug/L	<1.0	49.6	49.6	50.6	53.9	102	109	70-130	6	20	
1,2-Dichloroethane	ug/L	<1.0	49.6	49.6	52.2	53.3	105	108	70-131	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Parameter	Units	40158525004		1591907		1591908		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,2-Dichloropropane	ug/L	<1.0	49.6	49.6	49.4	47.3	100	95	80-120	4	20		
1,3-Dichlorobenzene	ug/L	<1.0	49.6	49.6	54.3	53.7	110	108	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<1.0	49.6	49.6	52.0	53.5	105	108	70-130	3	20		
Benzene	ug/L	<1.0	49.6	49.6	46.6	50.1	94	101	73-145	7	20		
Bromodichloromethane	ug/L	<1.0	49.6	49.6	51.7	53.1	104	107	70-130	3	20		
Bromoform	ug/L	<1.0	49.6	49.6	42.4	48.6	85	98	67-130	14	20		
Bromomethane	ug/L	<5.0	50	50	37.8	37.9	76	76	26-129	0	20		
Carbon tetrachloride	ug/L	<1.0	49.6	49.6	53.9	55.4	109	112	70-134	3	20		
Chlorobenzene	ug/L	<1.0	49.6	49.6	50.1	56.0	101	113	70-130	11	20		
Chloroethane	ug/L	<1.0	50	50	43.4	47.1	87	94	58-120	8	20		
Chloroform	ug/L	<5.0	49.6	49.6	49.8	51.9	100	105	80-121	4	20		
Chloromethane	ug/L	<1.0	50	50	31.0	34.1	62	68	40-128	10	20		
cis-1,2-Dichloroethene	ug/L	<1.0	49.6	49.6	46.9	49.6	95	100	70-130	5	20		
cis-1,3-Dichloropropene	ug/L	<1.0	49.6	49.6	43.6	43.4	88	88	70-130	0	20		
Dibromochloromethane	ug/L	<1.0	49.6	49.6	48.4	53.3	98	107	70-130	10	20		
Dichlorodifluoromethane	ug/L	<1.0	50	50	34.3	34.9	69	70	20-146	2	20		
Ethylbenzene	ug/L	<1.0	49.6	49.6	51.7	57.9	104	117	87-129	11	20		
Isopropylbenzene (Cumene)	ug/L	<1.0	49.6	49.6	53.7	58.9	108	119	70-130	9	20		
m&p-Xylene	ug/L	<2.0	99.2	99.2	105	115	105	116	70-130	10	20		
Methyl-tert-butyl ether	ug/L	<1.0	49.6	49.6	46.0	46.9	93	95	66-143	2	20		
Methylene Chloride	ug/L	<1.0	49.6	49.6	43.4	47.3	88	95	70-130	8	20		
o-Xylene	ug/L	<1.0	49.6	49.6	51.2	58.0	103	117	70-130	12	20		
Styrene	ug/L	<1.0	49.6	49.6	47.6	52.6	96	106	70-130	10	20		
Tetrachloroethene	ug/L	<1.0	49.6	49.6	51.5	59.8	104	121	70-130	15	20		
Toluene	ug/L	<1.0	49.6	49.6	49.0	55.0	99	111	82-131	12	20		
trans-1,2-Dichloroethene	ug/L	<1.0	49.6	49.6	50.4	50.4	102	102	75-135	0	20		
trans-1,3-Dichloropropene	ug/L	<1.0	49.6	49.6	37.9	43.1	76	87	70-130	13	20		
Trichloroethene	ug/L	<1.0	49.6	49.6	54.6	55.7	110	112	70-130	2	20		
Trichlorofluoromethane	ug/L	<1.0	50	50	55.8	59.4	112	119	76-150	6	20		
Vinyl chloride	ug/L	<1.0	50	50	40.5	41.8	81	84	56-143	3	20		
4-Bromofluorobenzene (S)	%						95	109	61-130				
Dibromofluoromethane (S)	%						93	99	67-130				
Toluene-d8 (S)	%						94	101	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

QC Batch: 271033 Analysis Method: EPA 300.0
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
 Associated Lab Samples: 40158519001, 40158519002, 40158519003, 40158519004, 40158519005, 40158519006, 40158519007, 40158519008

METHOD BLANK: 1593339 Matrix: Water
 Associated Lab Samples: 40158519001, 40158519002, 40158519003, 40158519004, 40158519005, 40158519006, 40158519007, 40158519008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.50	2.0	10/18/17 22:38	

LABORATORY CONTROL SAMPLE: 1593340

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.4	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1593341 1593342

Parameter	Units	40158764001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	38.6	20	20	59.2	56.7	103	91	90-110	4	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1593343 1593344

Parameter	Units	40158534002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	32.7	100	100	135	136	102	104	90-110	1	15	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158519

QC Batch: 271158 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Associated Lab Samples: 40158519001, 40158519002, 40158519003, 40158519004, 40158519005, 40158519006, 40158519007, 40158519008

METHOD BLANK: 1593969 Matrix: Water
Associated Lab Samples: 40158519001, 40158519002, 40158519003, 40158519004, 40158519005, 40158519006, 40158519007, 40158519008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<7.0	23.5	10/20/17 09:36	

LABORATORY CONTROL SAMPLE: 1593970

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	100	99.1	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1593971 1593972

Parameter	Units	40158519006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	211	200	200	399	403	94	96	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1593973 1593974

Parameter	Units	40158713003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	249	200	200	424	425	87	88	90-110	0	20 M0	

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158519

QC Batch: 271495 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 40158519005, 40158519007, 40158519008

METHOD BLANK: 1596640 Matrix: Water
Associated Lab Samples: 40158519005, 40158519007, 40158519008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.25	0.50	10/23/17 14:32	

LABORATORY CONTROL SAMPLE: 1596641

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: 1596642 1596643

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result								
Nitrogen, Ammonia	mg/L	0.31J	10	10	10.2	10.2	99	99	90-110	0	20		

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QUALITY CONTROL DATA

Project: 11115796 RHINELANDER LF
Pace Project No.: 40158519

QC Batch: 271249 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 40158519005, 40158519007, 40158519008

METHOD BLANK: 1594672 Matrix: Water
Associated Lab Samples: 40158519005, 40158519007, 40158519008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.22	0.73	10/20/17 18:08	

LABORATORY CONTROL SAMPLE: 1594673

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1594674 1594675

Parameter	Units	40158519005		40158519007		40158519008		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Nitrogen, Kjeldahl, Total	mg/L	198	100	100	298	293	100	94	90-110	2	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1594676 1594677

Parameter	Units	40158524001		40158524002		40158524003		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Nitrogen, Kjeldahl, Total	mg/L	47.6	50	50	92.1	90.8	89	87	90-110	1	20 M0

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QUALIFIERS

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40158519001	MW-20A	EPA 6010	270573		
40158519002	MW-20C	EPA 6010	270573		
40158519003	MW-20B	EPA 6010	270692		
40158519004	MW-28A	EPA 6010	270692		
40158519005	MW-2A	EPA 6010	270692		
40158519006	MW-2B	EPA 6010	270692		
40158519007	MW-21A	EPA 6010	270692		
40158519008	MW-3A	EPA 6010	270692		
40158519001	MW-20A	EPA 8260	270618		
40158519002	MW-20C	EPA 8260	270618		
40158519003	MW-20B	EPA 8260	270618		
40158519004	MW-28A	EPA 8260	270618		
40158519005	MW-2A	EPA 8260	270618		
40158519006	MW-2B	EPA 8260	270618		
40158519007	MW-21A	EPA 8260	270618		
40158519008	MW-3A	EPA 8260	270618		
40158519009	TRIP BLANK	EPA 8260	270618		
40158519001	MW-20A				
40158519002	MW-20C				
40158519003	MW-20B				
40158519004	MW-28A				
40158519005	MW-2A				
40158519006	MW-2B				
40158519007	MW-21A				
40158519008	MW-3A				
40158519010	MW-28B				
40158519011	MW-19C				
40158519012	MW-19B				
40158519001	MW-20A	EPA 300.0	271033		
40158519002	MW-20C	EPA 300.0	271033		
40158519003	MW-20B	EPA 300.0	271033		
40158519004	MW-28A	EPA 300.0	271033		
40158519005	MW-2A	EPA 300.0	271033		
40158519006	MW-2B	EPA 300.0	271033		
40158519007	MW-21A	EPA 300.0	271033		
40158519008	MW-3A	EPA 300.0	271033		
40158519001	MW-20A	EPA 310.2	271158		
40158519002	MW-20C	EPA 310.2	271158		
40158519003	MW-20B	EPA 310.2	271158		
40158519004	MW-28A	EPA 310.2	271158		
40158519005	MW-2A	EPA 310.2	271158		
40158519006	MW-2B	EPA 310.2	271158		
40158519007	MW-21A	EPA 310.2	271158		
40158519008	MW-3A	EPA 310.2	271158		
40158519005	MW-2A	EPA 350.1	271495		
40158519007	MW-21A	EPA 350.1	271495		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11115796 RHINELANDER LF

Pace Project No.: 40158519

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40158519008	MW-3A	EPA 350.1	271495		
40158519005	MW-2A	EPA 351.2	271249	EPA 351.2	271378
40158519007	MW-21A	EPA 351.2	271249	EPA 351.2	271378
40158519008	MW-3A	EPA 351.2	271249	EPA 351.2	271378

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CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

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Phone: (651) 639-0913 Fax: (651) 639-0923

Denny

40158519
COC NO. **SP-02503**
PAGE 1 OF 4

(See Reverse Side for Instructions)

Project No./Phase/Task Code: **1115796** Laboratory Name: **Page** Lab Location: **Lab Contact:** **Lab Quote No:** SSOV ID: **Cooler No:** Carrier: **Airbill No:** Date Shipped: **COMMENTS/SPECIAL INSTRUCTIONS:**

Project Location: **Rhinelander, LF** Chemistry Contact: **G. Anderson** Sampler(s): **Andrews, M. Barnes** SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line) DATE (mm/dd/yy) TIME (hh:mm) Matrix Code (see back of COC) Grab (G) or Comp (C) Unpreserved Hydrochloric Acid (HCl) Nitric Acid (HNO₃) Sulfuric Acid (H₂SO₄) Sodium Hydroxide (NaOH) Methanol/Water (Soil VOC) EnCores 3x5-g, 1x25-g Other: Total Containers/Sample CONTAINER QUANTITY & PRESERVATION ANALYSIS REQUESTED (See Back of COC for Definitions) MS/MSD Request

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO ₃)	Sulfuric Acid (H ₂ SO ₄)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g, 1x25-g	Other:	Total Containers/Sample	ANALYSIS REQUESTED (See Back of COC for Definitions)	MS/MSD Request	COMMENTS/SPECIAL INSTRUCTIONS:	
1	W-171010-PA-14	10/10/17	1545	W6	G	1	3	1						5	VOC + tetrahydrofuran, Fe, Mn, Hardness, Boron, Chloride/Alkalinity, Ammonia + TR		20A 340ml	
2	W-171010-PA-15	10/10/17	1550			1	3	1						5			20B	
3	W-171010-PA-16	10/10/17	1600			1	3	1						5			20C	
4	W-171010-PA-17	10/10/17	1703			1	5	1						5			28A	
5	W-171011-PA-18	10/11/17	850			1	3	1						6			2A	
6	W-171011-PA-19	10/11/17	845			1	3	1						5			2B	
7	W-171011-PA-20	10/11/17	915			1	3	1						6			21A	
8	W-171011-PA-21	10/11/17	950			1	3	1						6			3A	
9																		
10																		
11																		
12																		
13																		
14																		
15																		

TAT Required in business days (use separate COCs for different TATs):
 1 Day 2 Days 3 Days 1 Week 2 Week Other:
Total Number of Containers: **14** Notes/Special Requirements: **Metals were ETL E-1410**

RELIQUISHED BY: **[Signature]** COMPANY: **CRA** DATE: **10/11/17** TIME: **10:30**
RECEIVED BY: **[Signature]** COMPANY: **CRA** DATE: **10/12/17** TIME: **09:30**

Sample Condition Upon Receipt

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

Pace Analytical
Client Name: CRA

Project #: **WO#: 40158519**



Courier: Fed Ex UPS Client Pace Other:
Tracking #: 7704 7627527
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 SR68 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: 3 / Corr: 3 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 10-12-17
Initials: SK

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. Original and a copy 10/27/17 SK
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: - VOA Samples frozen upon receipt	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8. No MS/MSD Volume 10-27-17 SK
Correct Containers Used: -Pace Containers Used: -Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. No time on all samples. ID placed by client request per Am 10-27-17 SK
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input checked="" type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct SK
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when complete: <u>SK</u> Lab Std #ID of preservative: _____ Date/Time: _____
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	<u>4</u>	

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: RMB for DM Date: 10/12/17