



June 11, 2018

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, April 2018
Rhineland Landfill (#00686)**

On behalf of the Rhineland Landfill Group (RLG), GHD Services, Inc. (GHD) is submitting the semi-annual sampling results for the April 2018 sampling event for the Rhineland Landfill in Rhineland, Wisconsin.

The April 2018 sampling event was conducted on April 24, 2018. 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 8 monitoring wells (MW-2A, MW-2B, MW-16A, MW-16B, MW-16C, NW-20A, MW-20B, and MW-20C) were sampled as a part of the sampling event. MW-28A was scheduled to be sampled but was inaccessible due to spring flooding. Figure 1 presents the location of the monitoring wells. The results from the sampling event are consistent with historical results.

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

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

The annual sampling round is currently scheduled for October 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".

Ryan Aamot

A handwritten signature in black ink, appearing to read "Brian Sandberg".

Brian Sandberg

RA/sb/2

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
Environmental Monitoring Data Certification
(Form 4400-231)

State of Wisconsin
 Department of Natural Resources
dnr.wi.gov

Environmental Monitoring Data Certification
 Form 4400-231 (R 5/17)

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)
April 24, 2018	April 2018

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): |

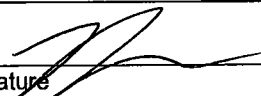
Notification attached?

- 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 

Date Signed (mm/dd/yyyy) 6/11/18

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 Exceedances Table

Smp Date	SPN	PCN	RV	Units	Type	Location	Lab Number	Sample ID	MSI	Parameter	PAL	ES
4/24/2018	007	34030	27.3	ug/L	ES		167942001	MW-2A	01	Benzene	0.5	5
4/24/2018	007	01020	1670	ug/L	ES		167942001	MW-2A	01	Boron, Dissolved	200	1000
4/24/2018	007	01046	56400	ug/L	ES		167942001	MW-2A	01	Iron, Dissolved	150	300
4/24/2018	007	01056	722	ug/L	ES		167942001	MW-2A	01	Manganese, Dissolved	25	50
4/24/2018	007	00610	256	mg/L	ES		167942001	MW-2A	01	Nitrogen, Ammonia	0.97	9.7
4/24/2018	007	81607	185	ug/L	ES		167942001	MW-2A	01	Tetrahydrofuran	10	50
4/24/2018	009	01046	12400	ug/L	ES		167942002	MW-2B	01	Iron, Dissolved	150	300
4/24/2018	009	01056	1160	ug/L	ES		167942002	MW-2B	01	Manganese, Dissolved	25	50
4/24/2018	069	34030	J 0.75	ug/L	PAL		167942003	MW-16A	01	Benzene	0.5	5
4/24/2018	069	01046	2550	ug/L	ES		167942003	MW-16A	01	Iron, Dissolved	150	300
4/24/2018	069	01056	3260	ug/L	ES		167942003	MW-16A	01	Manganese, Dissolved	25	50
4/24/2018	069	39175	J 0.34	ug/L	ES		167942003	MW-16A	01	Vinyl chloride	0.02	0.2
4/24/2018	071	34030	1.0	ug/L	PAL		167942004	MW-16B	01	Benzene	0.5	5
4/24/2018	071	01046	37300	ug/L	ES		167942004	MW-16B	01	Iron, Dissolved	150	300
4/24/2018	071	01056	3520	ug/L	ES		167942004	MW-16B	01	Manganese, Dissolved	25	50
4/24/2018	073	34030	1.3	ug/L	PAL		167942005	MW-16C	01	Benzene	0.5	5
4/24/2018	073	01046	26700	ug/L	ES		167942005	MW-16C	01	Iron, Dissolved	150	300
4/24/2018	073	01056	2110	ug/L	ES		167942005	MW-16C	01	Manganese, Dissolved	25	50
4/24/2018	073	81607	15.6	ug/L	PAL		167942005	MW-16C	01	Tetrahydrofuran	10	50
4/24/2018	073	39175	J 0.29	ug/L	ES		167942005	MW-16C	01	Vinyl chloride	0.02	0.2
4/24/2018	093	34030	J 1.0	ug/L	PAL		167942006	MW-20A	01	Benzene	0.5	5
4/24/2018	093	01020	398	ug/L	PAL		167942006	MW-20A	01	Boron, Dissolved	200	1000
4/24/2018	093	01046	69400	ug/L	ES		167942006	MW-20A	01	Iron, Dissolved	150	300
4/24/2018	093	01056	654	ug/L	ES		167942006	MW-20A	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-SampleTriplctate; 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
4/24/2018	093	34696	12.5	ug/L	PAL		167942006	MW-20A	01	Naphthalene	10	100
4/24/2018	095	34030	J 0.64	ug/L	PAL		167942007	MW-20B	01	Benzene	0.5	5
4/24/2018	095	01046	17600	ug/L	ES		167942007	MW-20B	01	Iron, Dissolved	150	300
4/24/2018	095	01056	1080	ug/L	ES		167942007	MW-20B	01	Manganese, Dissolved	25	50
4/24/2018	095	34696	10.6	ug/L	PAL		167942007	MW-20B	01	Naphthalene	10	100
4/24/2018	095	81607	15.2	ug/L	PAL		167942007	MW-20B	01	Tetrahydrofuran	10	50
4/24/2018	095	39175	J 0.48	ug/L	ES		167942007	MW-20B	01	Vinyl chloride	0.02	0.2
4/24/2018	097	34030	J 0.90	ug/L	PAL		167942008	MW-20C	01	Benzene	0.5	5
4/24/2018	097	01046	21500	ug/L	ES		167942008	MW-20C	01	Iron, Dissolved	150	300
4/24/2018	097	01056	1400	ug/L	ES		167942008	MW-20C	01	Manganese, Dissolved	25	50
4/24/2018	097	81607	14.1	ug/L	PAL		167942008	MW-20C	01	Tetrahydrofuran	10	50
4/24/2018	097	39175	J 0.78	ug/L	ES		167942008	MW-20C	01	Vinyl chloride	0.02	0.2

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

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

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

Attachment C Laboratory Analytical Report

May 09, 2018

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

RE: Project: 11115796-20 RHINELANDER LF
Pace Project No.: 40167942

Dear Grant Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on April 25, 2018. 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,
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CERTIFICATIONS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

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

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SAMPLE SUMMARY

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40167942001	MW-2A	Water	04/24/18 14:00	04/25/18 09:14
40167942002	MW-2B	Water	04/24/18 13:50	04/25/18 09:14
40167942003	MW-16A	Water	04/24/18 12:10	04/25/18 09:14
40167942004	MW-16B	Water	04/24/18 12:40	04/25/18 09:14
40167942005	MW-16C	Water	04/24/18 12:25	04/25/18 09:14
40167942006	MW-20A	Water	04/24/18 14:45	04/25/18 09:14
40167942007	MW-20B	Water	04/24/18 15:00	04/25/18 09:14
40167942008	MW-20C	Water	04/24/18 15:10	04/25/18 09:14
40167942009	TRIP BLANK	Water	04/24/18 00:00	04/25/18 09:14

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SAMPLE ANALYTE COUNT

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40167942001	MW-2A	EPA 6010	JLD	4
		EPA 8260	LAP	65
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
		EPA 350.1	TMK	1
		EPA 351.2	TMK	1
40167942002	MW-2B	EPA 6010	JLD	3
		EPA 8260	LAP	65
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
40167942003	MW-16A	EPA 6010	JLD	3
		EPA 8260	LAP	65
			AXL	7
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
40167942004	MW-16B	EPA 6010	JLD	3
		EPA 8260	LAP	65
			AXL	7
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
40167942005	MW-16C	EPA 6010	JLD	3
		EPA 8260	LAP	65
			AXL	7
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
40167942006	MW-20A	EPA 6010	JLD	4
		EPA 8260	LAP	65
			AXL	7
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
40167942007	MW-20B	EPA 6010	JLD	3
		EPA 8260	LAP	65
			AXL	7
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
40167942008	MW-20C	EPA 6010	JLD	3
		EPA 8260	LAP	65

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SAMPLE ANALYTE COUNT

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Lab ID	Sample ID	Method	Analysts	Analytes Reported
			AXL	7
		EPA 300.0	HMB	1
		EPA 310.2	DAW	1
40167942009	TRIP BLANK	EPA 8260	LAP	65

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-2A **Lab ID: 40167942001** Collected: 04/24/18 14:00 Received: 04/25/18 09:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	1670	ug/L	40.0	6.7	1		04/27/18 16:34	7440-42-8	
Iron, Dissolved	56400	ug/L	100	15.5	1		04/27/18 16:34	7439-89-6	
Manganese, Dissolved	722	ug/L	5.0	1.1	1		04/27/18 16:34	7439-96-5	
Total Hardness by 2340B, Dissolved	1040	mg/L	2.0	0.15	1		04/27/18 16:34		
8260 MSV		Analytical Method: EPA 8260							
Benzene	27.3	ug/L	2.0	1.0	2		04/27/18 11:47	71-43-2	
Bromobenzene	<0.46	ug/L	2.0	0.46	2		04/27/18 11:47	108-86-1	
Bromochloromethane	<0.68	ug/L	2.0	0.68	2		04/27/18 11:47	74-97-5	
Bromodichloromethane	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	75-27-4	
Bromoform	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	75-25-2	
Bromomethane	<4.9	ug/L	10.0	4.9	2		04/27/18 11:47	74-83-9	
n-Butylbenzene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	104-51-8	
sec-Butylbenzene	<4.4	ug/L	10.0	4.4	2		04/27/18 11:47	135-98-8	
tert-Butylbenzene	<0.36	ug/L	2.0	0.36	2		04/27/18 11:47	98-06-6	
Carbon tetrachloride	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	56-23-5	
Chlorobenzene	1.4J	ug/L	2.0	1.0	2		04/27/18 11:47	108-90-7	
Chloroethane	<0.75	ug/L	2.0	0.75	2		04/27/18 11:47	75-00-3	
Chloroform	<5.0	ug/L	10.0	5.0	2		04/27/18 11:47	67-66-3	
Chloromethane	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	74-87-3	
2-Chlorotoluene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	95-49-8	
4-Chlorotoluene	<0.43	ug/L	2.0	0.43	2		04/27/18 11:47	106-43-4	
1,2-Dibromo-3-chloropropane	<4.3	ug/L	10.0	4.3	2		04/27/18 11:47	96-12-8	
Dibromochloromethane	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	124-48-1	
1,2-Dibromoethane (EDB)	<0.36	ug/L	2.0	0.36	2		04/27/18 11:47	106-93-4	
Dibromomethane	<0.85	ug/L	2.0	0.85	2		04/27/18 11:47	74-95-3	
1,2-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	95-50-1	
1,3-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	541-73-1	
1,4-Dichlorobenzene	1.5J	ug/L	2.0	1.0	2		04/27/18 11:47	106-46-7	
Dichlorodifluoromethane	<0.45	ug/L	2.0	0.45	2		04/27/18 11:47	75-71-8	
1,1-Dichloroethane	<0.48	ug/L	2.0	0.48	2		04/27/18 11:47	75-34-3	
1,2-Dichloroethane	<0.34	ug/L	2.0	0.34	2		04/27/18 11:47	107-06-2	
1,1-Dichloroethene	<0.82	ug/L	2.0	0.82	2		04/27/18 11:47	75-35-4	
cis-1,2-Dichloroethene	<0.51	ug/L	2.0	0.51	2		04/27/18 11:47	156-59-2	
trans-1,2-Dichloroethene	<0.51	ug/L	2.0	0.51	2		04/27/18 11:47	156-60-5	
1,2-Dichloropropane	<0.47	ug/L	2.0	0.47	2		04/27/18 11:47	78-87-5	
1,3-Dichloropropane	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	142-28-9	
2,2-Dichloropropane	<0.97	ug/L	2.0	0.97	2		04/27/18 11:47	594-20-7	
1,1-Dichloropropene	<0.88	ug/L	2.0	0.88	2		04/27/18 11:47	563-58-6	
cis-1,3-Dichloropropene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	10061-01-5	
trans-1,3-Dichloropropene	<0.46	ug/L	2.0	0.46	2		04/27/18 11:47	10061-02-6	
Diisopropyl ether	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	108-20-3	
Ethylbenzene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	100-41-4	
Hexachloro-1,3-butadiene	<4.2	ug/L	10.0	4.2	2		04/27/18 11:47	87-68-3	
Isopropylbenzene (Cumene)	0.55J	ug/L	2.0	0.29	2		04/27/18 11:47	98-82-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-2A **Lab ID: 40167942001** Collected: 04/24/18 14:00 Received: 04/25/18 09:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
p-Isopropyltoluene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	99-87-6	
Methylene Chloride	<0.47	ug/L	2.0	0.47	2		04/27/18 11:47	75-09-2	
Methyl-tert-butyl ether	<0.35	ug/L	2.0	0.35	2		04/27/18 11:47	1634-04-4	
Naphthalene	<5.0	ug/L	10.0	5.0	2		04/27/18 11:47	91-20-3	
n-Propylbenzene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	103-65-1	
Styrene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	100-42-5	
1,1,1,2-Tetrachloroethane	<0.36	ug/L	2.0	0.36	2		04/27/18 11:47	630-20-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	2.0	0.50	2		04/27/18 11:47	79-34-5	
Tetrachloroethene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	127-18-4	
Tetrahydrofuran	185	ug/L	10.0	4.1	2		04/27/18 11:47	109-99-9	
Toluene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	108-88-3	
1,2,3-Trichlorobenzene	<4.3	ug/L	10.0	4.3	2		04/27/18 11:47	87-61-6	
1,2,4-Trichlorobenzene	<4.4	ug/L	10.0	4.4	2		04/27/18 11:47	120-82-1	
1,1,1-Trichloroethane	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	2.0	0.39	2		04/27/18 11:47	79-00-5	
Trichloroethene	<0.66	ug/L	2.0	0.66	2		04/27/18 11:47	79-01-6	
Trichlorofluoromethane	<0.37	ug/L	2.0	0.37	2		04/27/18 11:47	75-69-4	
1,2,3-Trichloropropane	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	96-18-4	
1,2,4-Trimethylbenzene	3.4	ug/L	2.0	1.0	2		04/27/18 11:47	95-63-6	
1,3,5-Trimethylbenzene	2.8	ug/L	2.0	1.0	2		04/27/18 11:47	108-67-8	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		04/27/18 11:47	75-01-4	
m&p-Xylene	5.7	ug/L	4.0	2.0	2		04/27/18 11:47	179601-23-1	
o-Xylene	<1.0	ug/L	2.0	1.0	2		04/27/18 11:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		2		04/27/18 11:47	460-00-4	
Dibromofluoromethane (S)	95	%	67-130		2		04/27/18 11:47	1868-53-7	
Toluene-d8 (S)	98	%	70-130		2		04/27/18 11:47	2037-26-5	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	69.1	mg/L	10.0	2.5	5		05/02/18 19:14	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	2220	mg/L	235	70.4	10		04/30/18 13:36		
350.1 Ammonia Analytical Method: EPA 350.1									
Nitrogen, Ammonia	256	mg/L	25.0	12.5	50		05/07/18 15:38	7664-41-7	
351.2 Total Kjeldahl Nitrogen Analytical Method: EPA 351.2 Preparation Method: EPA 351.2									
Nitrogen, Kjeldahl, Total	263	mg/L	14.6	4.4	20	05/02/18 13:22	05/02/18 17:23	7727-37-9	

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-2B **Lab ID: 40167942002** Collected: 04/24/18 13:50 Received: 04/25/18 09:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	12400	ug/L	100	15.5	1		04/27/18 16:36	7439-89-6	
Manganese, Dissolved	1160	ug/L	5.0	1.1	1		04/27/18 16:36	7439-96-5	
Total Hardness by 2340B, Dissolved	142	mg/L	2.0	0.15	1		04/27/18 16:36		
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/27/18 12:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/27/18 12:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/27/18 12:55	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 12:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/27/18 12:55	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/27/18 12:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/27/18 12:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/27/18 12:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/27/18 12:55	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/27/18 12:55	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/27/18 12:55	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/27/18 12:55	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/27/18 12:55	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/27/18 12:55	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/27/18 12:55	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 12:55	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 12:55	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/27/18 12:55	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/27/18 12:55	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/27/18 12:55	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/27/18 12:55	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/27/18 12:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/27/18 12:55	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-2B **Lab ID: 40167942002** Collected: 04/24/18 13:50 Received: 04/25/18 09:14 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		04/27/18 12:55	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/27/18 12:55	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/27/18 12:55	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/27/18 12:55	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		04/27/18 12:55	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	127-18-4	
Tetrahydrofuran	7.3	ug/L	5.0	2.0	1		04/27/18 12:55	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/27/18 12:55	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 12:55	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/27/18 12:55	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/27/18 12:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/27/18 12:55	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		04/27/18 12:55	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		04/27/18 12:55	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		04/27/18 12:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		04/27/18 12:55	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		04/27/18 12:55	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/27/18 12:55	2037-26-5	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	17.0	mg/L	10.0	2.5	5		05/02/18 19:25	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	168	mg/L	47.0	14.1	2		05/04/18 10:16		B

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-16A **Lab ID: 40167942003** Collected: 04/24/18 12:10 Received: 04/25/18 09:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	2550	ug/L	100	15.5	1		04/27/18 16:38	7439-89-6	
Manganese, Dissolved	3260	ug/L	5.0	1.1	1		04/27/18 16:38	7439-96-5	
Total Hardness by 2340B, Dissolved	168	mg/L	2.0	0.15	1		04/27/18 16:38		
8260 MSV		Analytical Method: EPA 8260							
Benzene	0.75J	ug/L	1.0	0.50	1		04/27/18 15:33	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/27/18 15:33	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/27/18 15:33	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/27/18 15:33	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 15:33	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/27/18 15:33	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/27/18 15:33	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/27/18 15:33	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/27/18 15:33	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/27/18 15:33	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/27/18 15:33	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/27/18 15:33	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/27/18 15:33	75-71-8	
1,1-Dichloroethane	0.24J	ug/L	1.0	0.24	1		04/27/18 15:33	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/27/18 15:33	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/27/18 15:33	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 15:33	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 15:33	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/27/18 15:33	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/27/18 15:33	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/27/18 15:33	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/27/18 15:33	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/27/18 15:33	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/27/18 15:33	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-16A **Lab ID: 40167942003** Collected: 04/24/18 12:10 Received: 04/25/18 09:14 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		04/27/18 15:33	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/27/18 15:33	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/27/18 15:33	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/27/18 15:33	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		04/27/18 15:33	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		04/27/18 15:33	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/27/18 15:33	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 15:33	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/27/18 15:33	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/27/18 15:33	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/27/18 15:33	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	108-67-8	
Vinyl chloride	0.34J	ug/L	1.0	0.18	1		04/27/18 15:33	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		04/27/18 15:33	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:33	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		04/27/18 15:33	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		1		04/27/18 15:33	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/27/18 15:33	2037-26-5	
Field Data Analytical Method:									
Field pH	6.71	Std. Units			1		04/24/18 12:10		
Field Specific Conductance	409	umhos/cm			1		04/24/18 12:10		
Oxygen, Dissolved	4.32	mg/L			1		04/24/18 12:10	7782-44-7	
REDOX	-37	mV			1		04/24/18 12:10		
Turbidity	0	NTU			1		04/24/18 12:10		
Depth to Groundwater	14.75	feet			1		04/24/18 12:10		
Temperature, Water (C)	6.3	deg C			1		04/24/18 12:10		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	20.1	mg/L	2.0	0.50	1		05/02/18 19:35	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	165	mg/L	23.5	7.0	1		05/04/18 10:18		

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-16B **Lab ID: 40167942004** Collected: 04/24/18 12:40 Received: 04/25/18 09:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	37300	ug/L	100	15.5	1		04/27/18 16:41	7439-89-6	
Manganese, Dissolved	3520	ug/L	5.0	1.1	1		04/27/18 16:41	7439-96-5	
Total Hardness by 2340B, Dissolved	227	mg/L	2.0	0.15	1		04/27/18 16:41		
8260 MSV		Analytical Method: EPA 8260							
Benzene	1.0	ug/L	1.0	0.50	1		04/27/18 13:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/27/18 13:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/27/18 13:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/27/18 13:17	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 13:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/27/18 13:17	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/27/18 13:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/27/18 13:17	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/27/18 13:17	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/27/18 13:17	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/27/18 13:17	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/27/18 13:17	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/27/18 13:17	75-71-8	
1,1-Dichloroethane	0.27J	ug/L	1.0	0.24	1		04/27/18 13:17	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/27/18 13:17	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/27/18 13:17	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 13:17	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 13:17	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/27/18 13:17	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/27/18 13:17	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/27/18 13:17	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/27/18 13:17	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/27/18 13:17	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/27/18 13:17	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-16B **Lab ID: 40167942004** Collected: 04/24/18 12:40 Received: 04/25/18 09:14 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		04/27/18 13:17	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/27/18 13:17	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/27/18 13:17	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/27/18 13:17	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		04/27/18 13:17	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	127-18-4	
Tetrahydrofuran	7.2	ug/L	5.0	2.0	1		04/27/18 13:17	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/27/18 13:17	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 13:17	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/27/18 13:17	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/27/18 13:17	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/27/18 13:17	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		04/27/18 13:17	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		04/27/18 13:17	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		04/27/18 13:17	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		04/27/18 13:17	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/27/18 13:17	2037-26-5	
Field Data Analytical Method:									
Field pH	6.98	Std. Units			1		04/24/18 12:40		
Field Specific Conductance	681	umhos/cm			1		04/24/18 12:40		
Oxygen, Dissolved	1.96	mg/L			1		04/24/18 12:40	7782-44-7	
REDOX	-172	mV			1		04/24/18 12:40		
Turbidity	0	NTU			1		04/24/18 12:40		
Depth to Groundwater	7.71	feet			1		04/24/18 12:40		
Temperature, Water (C)	8.2	deg C			1		04/24/18 12:40		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	37.2	mg/L	10.0	2.5	5		05/02/18 20:17	16887-00-6	
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	225	mg/L	23.5	7.0	1		05/04/18 10:18		

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-16C **Lab ID: 40167942005** Collected: 04/24/18 12:25 Received: 04/25/18 09:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	26700	ug/L	100	15.5	1		04/27/18 16:43	7439-89-6	
Manganese, Dissolved	2110	ug/L	5.0	1.1	1		04/27/18 16:43	7439-96-5	
Total Hardness by 2340B, Dissolved	232	mg/L	2.0	0.15	1		04/27/18 16:43		
8260 MSV		Analytical Method: EPA 8260							
Benzene	1.3	ug/L	1.0	0.50	1		04/27/18 15:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/27/18 15:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/27/18 15:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/27/18 15:55	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 15:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/27/18 15:55	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	56-23-5	
Chlorobenzene	0.64J	ug/L	1.0	0.50	1		04/27/18 15:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/27/18 15:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/27/18 15:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/27/18 15:55	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/27/18 15:55	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/27/18 15:55	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/27/18 15:55	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/27/18 15:55	75-71-8	
1,1-Dichloroethane	0.24J	ug/L	1.0	0.24	1		04/27/18 15:55	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/27/18 15:55	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/27/18 15:55	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 15:55	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 15:55	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/27/18 15:55	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/27/18 15:55	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/27/18 15:55	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/27/18 15:55	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/27/18 15:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/27/18 15:55	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF
Pace Project No.: 40167942

Sample: MW-16C **Lab ID: 40167942005** Collected: 04/24/18 12:25 Received: 04/25/18 09:14 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		04/27/18 15:55	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/27/18 15:55	1634-04-4	
Naphthalene	3.3J	ug/L	5.0	2.5	1		04/27/18 15:55	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/27/18 15:55	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		04/27/18 15:55	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	127-18-4	
Tetrahydrofuran	15.6	ug/L	5.0	2.0	1		04/27/18 15:55	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/27/18 15:55	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 15:55	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/27/18 15:55	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/27/18 15:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/27/18 15:55	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	108-67-8	
Vinyl chloride	0.29J	ug/L	1.0	0.18	1		04/27/18 15:55	75-01-4	
m&p-Xylene	1.4J	ug/L	2.0	1.0	1		04/27/18 15:55	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		04/27/18 15:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	61-130		1		04/27/18 15:55	460-00-4	
Dibromofluoromethane (S)	98	%	67-130		1		04/27/18 15:55	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/27/18 15:55	2037-26-5	
Field Data		Analytical Method:							
Field pH	6.78	Std. Units			1		04/24/18 12:25		
Field Specific Conductance	682	umhos/cm			1		04/24/18 12:25		
Oxygen, Dissolved	2.4	mg/L			1		04/24/18 12:25	7782-44-7	
REDOX	-129	mV			1		04/24/18 12:25		
Turbidity	0	NTU			1		04/24/18 12:25		
Depth to Groundwater	7.98	feet			1		04/24/18 12:25		
Temperature, Water (C)	8.2	deg C			1		04/24/18 12:25		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	41.5	mg/L	10.0	2.5	5		05/02/18 20:28	16887-00-6	
310.2 Alkalinity		Analytical Method: EPA 310.2							
Alkalinity, Total as CaCO3	237	mg/L	23.5	7.0	1		05/04/18 10:20		

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-20A **Lab ID: 40167942006** Collected: 04/24/18 14:45 Received: 04/25/18 09:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Boron, Dissolved	398	ug/L	40.0	6.7	1		04/27/18 16:50	7440-42-8	
Iron, Dissolved	69400	ug/L	100	15.5	1		04/27/18 16:50	7439-89-6	
Manganese, Dissolved	654	ug/L	5.0	1.1	1		04/27/18 16:50	7439-96-5	
Total Hardness by 2340B, Dissolved	143	mg/L	2.0	0.15	1		04/27/18 16:50		
8260 MSV		Analytical Method: EPA 8260							
Benzene	1.0J	ug/L	1.0	0.50	1		04/27/18 13:40	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/27/18 13:40	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/27/18 13:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/27/18 13:40	74-83-9	
n-Butylbenzene	1.4	ug/L	1.0	0.50	1		04/27/18 13:40	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 13:40	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/27/18 13:40	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	56-23-5	
Chlorobenzene	5.2	ug/L	1.0	0.50	1		04/27/18 13:40	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/27/18 13:40	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/27/18 13:40	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/27/18 13:40	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/27/18 13:40	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/27/18 13:40	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/27/18 13:40	74-95-3	
1,2-Dichlorobenzene	0.63J	ug/L	1.0	0.50	1		04/27/18 13:40	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	541-73-1	
1,4-Dichlorobenzene	1.6	ug/L	1.0	0.50	1		04/27/18 13:40	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/27/18 13:40	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/27/18 13:40	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/27/18 13:40	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/27/18 13:40	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 13:40	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 13:40	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/27/18 13:40	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/27/18 13:40	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/27/18 13:40	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/27/18 13:40	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/27/18 13:40	87-68-3	
Isopropylbenzene (Cumene)	3.5	ug/L	1.0	0.14	1		04/27/18 13:40	98-82-8	

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-20A **Lab ID: 40167942006** Collected: 04/24/18 14:45 Received: 04/25/18 09:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
p-Isopropyltoluene	0.59J	ug/L	1.0	0.50	1		04/27/18 13:40	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		04/27/18 13:40	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/27/18 13:40	1634-04-4	
Naphthalene	12.5	ug/L	5.0	2.5	1		04/27/18 13:40	91-20-3	
n-Propylbenzene	2.4	ug/L	1.0	0.50	1		04/27/18 13:40	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/27/18 13:40	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		04/27/18 13:40	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	127-18-4	
Tetrahydrofuran	7.5	ug/L	5.0	2.0	1		04/27/18 13:40	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/27/18 13:40	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 13:40	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/27/18 13:40	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/27/18 13:40	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/27/18 13:40	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 13:40	96-18-4	
1,2,4-Trimethylbenzene	19.7	ug/L	1.0	0.50	1		04/27/18 13:40	95-63-6	
1,3,5-Trimethylbenzene	4.6	ug/L	1.0	0.50	1		04/27/18 13:40	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		04/27/18 13:40	75-01-4	
m&p-Xylene	50.6	ug/L	2.0	1.0	1		04/27/18 13:40	179601-23-1	
o-Xylene	1.1	ug/L	1.0	0.50	1		04/27/18 13:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	61-130		1		04/27/18 13:40	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		04/27/18 13:40	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/27/18 13:40	2037-26-5	
Field Data Analytical Method:									
Field pH	6.2	Std. Units			1		04/24/18 14:45		
Field Specific Conductance	725	umhos/cm			1		04/24/18 14:45		
Oxygen, Dissolved	3.95	mg/L			1		04/24/18 14:45	7782-44-7	
REDOX	-83	mV			1		04/24/18 14:45		
Turbidity	0	NTU			1		04/24/18 14:45		
Depth to Groundwater	3.65	feet			1		04/24/18 14:45		
Temperature, Water (C)	3.2	deg C			1		04/24/18 14:45		
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	8.9J	mg/L	10.0	2.5	5		05/02/18 20:38	16887-00-6	D3
310.2 Alkalinity Analytical Method: EPA 310.2									
Alkalinity, Total as CaCO3	253	mg/L	47.0	14.1	2		05/04/18 10:21		

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-20B **Lab ID: 40167942007** Collected: 04/24/18 15:00 Received: 04/25/18 09:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	17600	ug/L	100	15.5	1		04/27/18 16:53	7439-89-6	
Manganese, Dissolved	1080	ug/L	5.0	1.1	1		04/27/18 16:53	7439-96-5	
Total Hardness by 2340B, Dissolved	162	mg/L	2.0	0.15	1		04/27/18 16:53		
8260 MSV		Analytical Method: EPA 8260							
Benzene	0.64J	ug/L	1.0	0.50	1		04/27/18 16:18	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/27/18 16:18	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/27/18 16:18	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/27/18 16:18	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 16:18	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/27/18 16:18	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	56-23-5	
Chlorobenzene	0.57J	ug/L	1.0	0.50	1		04/27/18 16:18	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/27/18 16:18	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/27/18 16:18	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/27/18 16:18	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/27/18 16:18	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/27/18 16:18	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/27/18 16:18	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/27/18 16:18	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/27/18 16:18	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/27/18 16:18	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/27/18 16:18	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 16:18	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 16:18	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/27/18 16:18	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/27/18 16:18	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/27/18 16:18	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/27/18 16:18	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/27/18 16:18	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/27/18 16:18	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-20B **Lab ID: 40167942007** Collected: 04/24/18 15:00 Received: 04/25/18 09:14 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		04/27/18 16:18	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/27/18 16:18	1634-04-4	
Naphthalene	10.6	ug/L	5.0	2.5	1		04/27/18 16:18	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/27/18 16:18	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		04/27/18 16:18	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	127-18-4	
Tetrahydrofuran	15.2	ug/L	5.0	2.0	1		04/27/18 16:18	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/27/18 16:18	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 16:18	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/27/18 16:18	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/27/18 16:18	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/27/18 16:18	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	108-67-8	
Vinyl chloride	0.48J	ug/L	1.0	0.18	1		04/27/18 16:18	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		04/27/18 16:18	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:18	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	61-130		1		04/27/18 16:18	460-00-4	
Dibromofluoromethane (S)	99	%	67-130		1		04/27/18 16:18	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/27/18 16:18	2037-26-5	
Field Data		Analytical Method:							
Field pH	6.8	Std. Units			1		04/24/18 15:00		
Field Specific Conductance	501	umhos/cm			1		04/24/18 15:00		
Oxygen, Dissolved	2.28	mg/L			1		04/24/18 15:00	7782-44-7	
REDOX	-123	mV			1		04/24/18 15:00		
Turbidity	0	NTU			1		04/24/18 15:00		
Depth to Groundwater	4.51	feet			1		04/24/18 15:00		
Temperature, Water (C)	8.3	deg C			1		04/24/18 15:00		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	46.3	mg/L	10.0	2.5	5		05/02/18 20:49	16887-00-6	
310.2 Alkalinity		Analytical Method: EPA 310.2							
Alkalinity, Total as CaCO3	145	mg/L	23.5	7.0	1		05/04/18 10:22		

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-20C **Lab ID: 40167942008** Collected: 04/24/18 15:10 Received: 04/25/18 09:14 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved		Analytical Method: EPA 6010							
Iron, Dissolved	21500	ug/L	100	15.5	1		04/27/18 16:55	7439-89-6	
Manganese, Dissolved	1400	ug/L	5.0	1.1	1		04/27/18 16:55	7439-96-5	
Total Hardness by 2340B, Dissolved	183	mg/L	2.0	0.15	1		04/27/18 16:55		
8260 MSV		Analytical Method: EPA 8260							
Benzene	0.90J	ug/L	1.0	0.50	1		04/27/18 16:42	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/27/18 16:42	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/27/18 16:42	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/27/18 16:42	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 16:42	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/27/18 16:42	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	56-23-5	
Chlorobenzene	0.74J	ug/L	1.0	0.50	1		04/27/18 16:42	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/27/18 16:42	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/27/18 16:42	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/27/18 16:42	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/27/18 16:42	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/27/18 16:42	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/27/18 16:42	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/27/18 16:42	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/27/18 16:42	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/27/18 16:42	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/27/18 16:42	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 16:42	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 16:42	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/27/18 16:42	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/27/18 16:42	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/27/18 16:42	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/27/18 16:42	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/27/18 16:42	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/27/18 16:42	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	99-87-6	

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: MW-20C **Lab ID: 40167942008** Collected: 04/24/18 15:10 Received: 04/25/18 09:14 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		04/27/18 16:42	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/27/18 16:42	1634-04-4	
Naphthalene	8.9	ug/L	5.0	2.5	1		04/27/18 16:42	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/27/18 16:42	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		04/27/18 16:42	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	127-18-4	
Tetrahydrofuran	14.1	ug/L	5.0	2.0	1		04/27/18 16:42	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/27/18 16:42	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 16:42	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/27/18 16:42	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/27/18 16:42	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/27/18 16:42	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	108-67-8	
Vinyl chloride	0.78J	ug/L	1.0	0.18	1		04/27/18 16:42	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		04/27/18 16:42	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		04/27/18 16:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	61-130		1		04/27/18 16:42	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		04/27/18 16:42	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/27/18 16:42	2037-26-5	
Field Data		Analytical Method:							
Field pH	6.73	Std. Units			1		04/24/18 15:10		
Field Specific Conductance	565	umhos/cm			1		04/24/18 15:10		
Oxygen, Dissolved	3.46	mg/L			1		04/24/18 15:10	7782-44-7	
REDOX	-111	mV			1		04/24/18 15:10		
Turbidity	0	NTU			1		04/24/18 15:10		
Depth to Groundwater	4.84	feet			1		04/24/18 15:10		
Temperature, Water (C)	8.3	deg C			1		04/24/18 15:10		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	46.9	mg/L	10.0	2.5	5		05/02/18 21:00	16887-00-6	
310.2 Alkalinity		Analytical Method: EPA 310.2							
Alkalinity, Total as CaCO3	183	mg/L	23.5	7.0	1		05/04/18 10:22		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: TRIP BLANK **Lab ID: 40167942009** Collected: 04/24/18 00:00 Received: 04/25/18 09:14 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		04/27/18 10:40	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		04/27/18 10:40	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		04/27/18 10:40	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		04/27/18 10:40	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 10:40	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		04/27/18 10:40	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		04/27/18 10:40	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		04/27/18 10:40	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		04/27/18 10:40	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		04/27/18 10:40	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		04/27/18 10:40	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		04/27/18 10:40	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		04/27/18 10:40	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		04/27/18 10:40	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		04/27/18 10:40	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		04/27/18 10:40	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 10:40	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		04/27/18 10:40	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		04/27/18 10:40	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		04/27/18 10:40	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		04/27/18 10:40	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		04/27/18 10:40	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		04/27/18 10:40	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		04/27/18 10:40	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		04/27/18 10:40	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		04/27/18 10:40	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		04/27/18 10:40	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		04/27/18 10:40	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Sample: TRIP BLANK **Lab ID: 40167942009** Collected: 04/24/18 00:00 Received: 04/25/18 09:14 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		04/27/18 10:40	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	127-18-4	
Tetrahydrofuran	<2.0	ug/L	5.0	2.0	1		04/27/18 10:40	109-99-9	
Toluene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		04/27/18 10:40	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		04/27/18 10:40	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		04/27/18 10:40	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		04/27/18 10:40	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		04/27/18 10:40	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		04/27/18 10:40	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		04/27/18 10:40	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		04/27/18 10:40	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		1		04/27/18 10:40	460-00-4	
Dibromofluoromethane (S)	100	%	67-130		1		04/27/18 10:40	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/27/18 10:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

QC Batch: 287268

Analysis Method: EPA 6010

QC Batch Method: EPA 6010

Analysis Description: ICP Metals, Trace, Dissolved

Associated Lab Samples: 40167942001, 40167942002, 40167942003, 40167942004, 40167942005, 40167942006, 40167942007, 40167942008

METHOD BLANK: 1680589

Matrix: Water

Associated Lab Samples: 40167942001, 40167942002, 40167942003, 40167942004, 40167942005, 40167942006, 40167942007, 40167942008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Boron, Dissolved	ug/L	<6.7	40.0	04/27/18 15:00	
Iron, Dissolved	ug/L	<15.5	100	04/27/18 15:00	
Manganese, Dissolved	ug/L	<1.1	5.0	04/27/18 15:00	
Total Hardness by 2340B, Dissolved	mg/L	<0.15	2.0	04/27/18 15:00	

LABORATORY CONTROL SAMPLE: 1680590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron, Dissolved	ug/L	500	526	105	80-120	
Iron, Dissolved	ug/L	5000	4980	100	80-120	
Manganese, Dissolved	ug/L	500	479	96	80-120	
Total Hardness by 2340B, Dissolved	mg/L		32.6			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1680591 1680592

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40167999001 Result	Spike Conc.	Spike Conc.	MS Result						
Boron, Dissolved	ug/L	28.1J	500	500	580	577	110	110	75-125	1	20
Iron, Dissolved	ug/L	12000	5000	5000	16800	16800	95	96	75-125	0	20
Manganese, Dissolved	ug/L	380	500	500	865	857	97	95	75-125	1	20
Total Hardness by 2340B, Dissolved	mg/L	355			381	381				0	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

QC Batch: 287144 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40167942001, 40167942002, 40167942003, 40167942004, 40167942005, 40167942006, 40167942007, 40167942008, 40167942009

METHOD BLANK: 1679699 Matrix: Water
 Associated Lab Samples: 40167942001, 40167942002, 40167942003, 40167942004, 40167942005, 40167942006, 40167942007, 40167942008, 40167942009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	04/27/18 08:24	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	04/27/18 08:24	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	04/27/18 08:24	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	04/27/18 08:24	
1,1-Dichloroethane	ug/L	<0.24	1.0	04/27/18 08:24	
1,1-Dichloroethene	ug/L	<0.41	1.0	04/27/18 08:24	
1,1-Dichloropropene	ug/L	<0.44	1.0	04/27/18 08:24	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	04/27/18 08:24	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	04/27/18 08:24	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	04/27/18 08:24	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	04/27/18 08:24	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	04/27/18 08:24	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	04/27/18 08:24	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	04/27/18 08:24	
1,2-Dichloroethane	ug/L	<0.17	1.0	04/27/18 08:24	
1,2-Dichloropropane	ug/L	<0.23	1.0	04/27/18 08:24	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	04/27/18 08:24	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	04/27/18 08:24	
1,3-Dichloropropane	ug/L	<0.50	1.0	04/27/18 08:24	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	04/27/18 08:24	
2,2-Dichloropropane	ug/L	<0.48	1.0	04/27/18 08:24	
2-Chlorotoluene	ug/L	<0.50	1.0	04/27/18 08:24	
4-Chlorotoluene	ug/L	<0.21	1.0	04/27/18 08:24	
Benzene	ug/L	<0.50	1.0	04/27/18 08:24	
Bromobenzene	ug/L	<0.23	1.0	04/27/18 08:24	
Bromochloromethane	ug/L	<0.34	1.0	04/27/18 08:24	
Bromodichloromethane	ug/L	<0.50	1.0	04/27/18 08:24	
Bromoform	ug/L	<0.50	1.0	04/27/18 08:24	
Bromomethane	ug/L	<2.4	5.0	04/27/18 08:24	
Carbon tetrachloride	ug/L	<0.50	1.0	04/27/18 08:24	
Chlorobenzene	ug/L	<0.50	1.0	04/27/18 08:24	
Chloroethane	ug/L	<0.37	1.0	04/27/18 08:24	
Chloroform	ug/L	<2.5	5.0	04/27/18 08:24	
Chloromethane	ug/L	<0.50	1.0	04/27/18 08:24	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	04/27/18 08:24	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	04/27/18 08:24	
Dibromochloromethane	ug/L	<0.50	1.0	04/27/18 08:24	
Dibromomethane	ug/L	<0.43	1.0	04/27/18 08:24	
Dichlorodifluoromethane	ug/L	<0.22	1.0	04/27/18 08:24	
Diisopropyl ether	ug/L	<0.50	1.0	04/27/18 08:24	

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

METHOD BLANK: 1679699

Matrix: Water

Associated Lab Samples: 40167942001, 40167942002, 40167942003, 40167942004, 40167942005, 40167942006, 40167942007, 40167942008, 40167942009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	04/27/18 08:24	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	04/27/18 08:24	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	04/27/18 08:24	
m&p-Xylene	ug/L	<1.0	2.0	04/27/18 08:24	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	04/27/18 08:24	
Methylene Chloride	ug/L	<0.23	1.0	04/27/18 08:24	
n-Butylbenzene	ug/L	<0.50	1.0	04/27/18 08:24	
n-Propylbenzene	ug/L	<0.50	1.0	04/27/18 08:24	
Naphthalene	ug/L	<2.5	5.0	04/27/18 08:24	
o-Xylene	ug/L	<0.50	1.0	04/27/18 08:24	
p-Isopropyltoluene	ug/L	<0.50	1.0	04/27/18 08:24	
sec-Butylbenzene	ug/L	<2.2	5.0	04/27/18 08:24	
Styrene	ug/L	<0.50	1.0	04/27/18 08:24	
tert-Butylbenzene	ug/L	<0.18	1.0	04/27/18 08:24	
Tetrachloroethene	ug/L	<0.50	1.0	04/27/18 08:24	
Tetrahydrofuran	ug/L	<2.0	5.0	04/27/18 08:24	
Toluene	ug/L	<0.50	1.0	04/27/18 08:24	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	04/27/18 08:24	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	04/27/18 08:24	
Trichloroethene	ug/L	<0.33	1.0	04/27/18 08:24	
Trichlorofluoromethane	ug/L	<0.18	1.0	04/27/18 08:24	
Vinyl chloride	ug/L	<0.18	1.0	04/27/18 08:24	
4-Bromofluorobenzene (S)	%	95	61-130	04/27/18 08:24	
Dibromofluoromethane (S)	%	98	67-130	04/27/18 08:24	
Toluene-d8 (S)	%	97	70-130	04/27/18 08:24	

LABORATORY CONTROL SAMPLE: 1679700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.4	109	70-130	
1,1,1-Trichloroethane	ug/L	50	53.2	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.0	96	70-130	
1,1,2-Trichloroethane	ug/L	50	49.7	99	70-130	
1,1-Dichloroethane	ug/L	50	47.5	95	71-132	
1,1-Dichloroethene	ug/L	50	54.1	108	75-130	
1,1-Dichloropropene	ug/L	50	52.4	105	70-130	
1,2,3-Trichlorobenzene	ug/L	50	50.5	101	70-130	
1,2,3-Trichloropropane	ug/L	50	47.8	96	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.8	102	70-130	
1,2,4-Trimethylbenzene	ug/L	50	46.9	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.8	98	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	50.8	102	70-130	
1,2-Dichlorobenzene	ug/L	50	50.5	101	70-130	

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

LABORATORY CONTROL SAMPLE: 1679700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	50	47.8	96	70-131	
1,2-Dichloropropane	ug/L	50	49.1	98	80-120	
1,3,5-Trimethylbenzene	ug/L	50	48.8	98	70-130	
1,3-Dichlorobenzene	ug/L	50	50.7	101	70-130	
1,3-Dichloropropane	ug/L	50	48.1	96	70-130	
1,4-Dichlorobenzene	ug/L	50	50.1	100	70-130	
2,2-Dichloropropane	ug/L	50	55.0	110	70-130	
2-Chlorotoluene	ug/L	50	47.6	95	70-130	
4-Chlorotoluene	ug/L	50	49.6	99	70-130	
Benzene	ug/L	50	46.5	93	73-145	
Bromobenzene	ug/L	50	48.7	97	70-130	
Bromochloromethane	ug/L	50	53.6	107	70-130	
Bromodichloromethane	ug/L	50	49.5	99	70-130	
Bromoform	ug/L	50	47.4	95	67-130	
Bromomethane	ug/L	50	45.9	92	26-128	
Carbon tetrachloride	ug/L	50	55.7	111	70-133	
Chlorobenzene	ug/L	50	51.8	104	70-130	
Chloroethane	ug/L	50	48.6	97	58-120	
Chloroform	ug/L	50	50.7	101	80-121	
Chloromethane	ug/L	50	42.2	84	40-127	
cis-1,2-Dichloroethene	ug/L	50	57.8	116	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.0	98	70-130	
Dibromochloromethane	ug/L	50	47.9	96	70-130	
Dibromomethane	ug/L	50	51.1	102	70-130	
Dichlorodifluoromethane	ug/L	50	42.4	85	20-135	
Diisopropyl ether	ug/L	50	45.8	92	70-130	
Ethylbenzene	ug/L	50	52.3	105	87-129	
Hexachloro-1,3-butadiene	ug/L	50	54.2	108	70-130	
Isopropylbenzene (Cumene)	ug/L	50	55.0	110	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	53.2	106	66-143	
Methylene Chloride	ug/L	50	50.4	101	70-130	
n-Butylbenzene	ug/L	50	49.8	100	70-130	
n-Propylbenzene	ug/L	50	48.7	97	70-130	
Naphthalene	ug/L	50	47.7	95	70-130	
o-Xylene	ug/L	50	51.8	104	70-130	
p-Isopropyltoluene	ug/L	50	48.4	97	70-130	
sec-Butylbenzene	ug/L	50	51.5	103	70-130	
Styrene	ug/L	50	49.6	99	70-130	
tert-Butylbenzene	ug/L	50	51.2	102	70-130	
Tetrachloroethene	ug/L	50	54.1	108	70-130	
Tetrahydrofuran	ug/L	50	46.9	94	50-150	
Toluene	ug/L	50	51.8	104	82-130	
trans-1,2-Dichloroethene	ug/L	50	51.5	103	75-132	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	70-130	
Trichloroethene	ug/L	50	49.8	100	70-130	
Trichlorofluoromethane	ug/L	50	54.8	110	76-133	

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

LABORATORY CONTROL SAMPLE: 1679700

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	45.3	91	57-136	
4-Bromofluorobenzene (S)	%			99	61-130	
Dibromofluoromethane (S)	%			101	67-130	
Toluene-d8 (S)	%			96	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1679701 1679702

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40167985003 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1,2-Tetrachloroethane	ug/L	<0.18	50	50	54.8	54.1	110	108	70-130	1	20	
1,1,1-Trichloroethane	ug/L	<0.50	50	50	53.2	52.5	106	105	70-134	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	49.2	54.1	98	108	70-130	9	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	49.4	51.2	99	102	70-130	4	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	47.2	45.6	94	91	71-133	3	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	53.2	53.2	106	106	75-136	0	20	
1,1-Dichloropropene	ug/L	<0.44	50	50	51.1	50.0	102	100	70-130	2	20	
1,2,3-Trichlorobenzene	ug/L	<2.1	50	50	52.6	54.9	105	110	70-130	4	20	
1,2,3-Trichloropropane	ug/L	<0.50	50	50	48.1	54.0	96	108	70-130	11	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	50.0	52.4	100	105	70-130	5	20	
1,2,4-Trimethylbenzene	ug/L	<0.50	50	50	48.6	48.2	97	96	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	53.3	59.4	107	119	63-123	11	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.6	53.5	101	107	70-130	6	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	50.1	51.2	100	102	70-130	2	20	
1,2-Dichloroethane	ug/L	0.75J	50	50	48.4	48.5	95	95	70-131	0	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	48.7	46.8	97	94	80-120	4	20	
1,3,5-Trimethylbenzene	ug/L	<0.50	50	50	49.2	48.8	98	98	70-130	1	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	49.8	50.3	100	101	70-130	1	20	
1,3-Dichloropropane	ug/L	<0.50	50	50	49.0	51.6	98	103	70-130	5	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	50.2	50.1	100	100	70-130	0	20	
2,2-Dichloropropane	ug/L	<0.48	50	50	54.0	52.2	108	104	70-130	3	20	
2-Chlorotoluene	ug/L	<0.50	50	50	47.2	48.0	94	96	70-130	2	20	
4-Chlorotoluene	ug/L	<0.21	50	50	50.8	49.0	102	98	70-130	4	20	
Benzene	ug/L	<0.50	50	50	45.3	45.0	91	90	73-145	1	20	
Bromobenzene	ug/L	<0.23	50	50	49.3	48.4	99	97	70-130	2	20	
Bromochloromethane	ug/L	<0.34	50	50	53.0	50.9	106	102	70-130	4	20	
Bromodichloromethane	ug/L	<0.50	50	50	48.9	48.3	98	97	70-130	1	20	
Bromoform	ug/L	<0.50	50	50	46.2	51.0	92	102	67-130	10	20	
Bromomethane	ug/L	<2.4	50	50	45.4	39.0	91	78	26-129	15	20	
Carbon tetrachloride	ug/L	<0.50	50	50	55.1	53.3	110	107	70-134	3	20	
Chlorobenzene	ug/L	<0.50	50	50	52.0	49.3	104	99	70-130	5	20	
Chloroethane	ug/L	<0.37	50	50	49.5	46.5	99	93	58-120	6	20	
Chloroform	ug/L	<2.5	50	50	49.1	48.7	98	97	80-121	1	20	
Chloromethane	ug/L	<0.50	50	50	43.4	41.1	87	82	40-128	5	20	
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	53.8	52.8	108	106	70-130	2	20	

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1679701		1679702		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40167985003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	47.7	46.8	95	94	70-130	2	20		
Dibromochloromethane	ug/L	<0.50	50	50	47.8	50.3	96	101	70-130	5	20		
Dibromomethane	ug/L	<0.43	50	50	50.7	50.6	101	101	70-130	0	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	39.3	39.3	79	79	20-146	0	20		
Diisopropyl ether	ug/L	<0.50	50	50	44.8	44.4	90	89	70-130	1	20		
Ethylbenzene	ug/L	<0.50	50	50	53.4	51.8	107	104	87-129	3	20		
Hexachloro-1,3-butadiene	ug/L	<2.1	50	50	58.2	54.2	116	108	70-130	7	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	54.3	53.1	109	106	70-130	2	20		
m&p-Xylene	ug/L	<1.0	100	100	108	105	108	105	70-130	3	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	52.8	54.5	106	109	66-143	3	20		
Methylene Chloride	ug/L	<0.23	50	50	49.3	47.2	99	94	70-130	4	20		
n-Butylbenzene	ug/L	<0.50	50	50	51.5	51.4	103	103	70-130	0	20		
n-Propylbenzene	ug/L	<0.50	50	50	48.4	48.7	97	97	70-130	1	20		
Naphthalene	ug/L	<2.5	50	50	52.5	58.1	105	116	70-130	10	20		
o-Xylene	ug/L	<0.50	50	50	51.5	51.0	103	102	70-130	1	20		
p-Isopropyltoluene	ug/L	<0.50	50	50	49.6	48.7	99	97	70-130	2	20		
sec-Butylbenzene	ug/L	<2.2	50	50	51.1	51.2	102	102	70-130	0	20		
Styrene	ug/L	<0.50	50	50	51.3	50.6	103	101	70-130	1	20		
tert-Butylbenzene	ug/L	<0.18	50	50	50.8	51.3	102	103	70-130	1	20		
Tetrachloroethene	ug/L	<0.50	50	50	54.2	54.6	108	109	70-130	1	20		
Tetrahydrofuran	ug/L	<2.0	50	50	49.2	55.7	98	111	50-150	12	20		
Toluene	ug/L	<0.50	50	50	51.8	49.2	104	98	82-131	5	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	48.9	48.4	98	97	75-135	1	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	46.8	48.6	94	97	70-130	4	20		
Trichloroethene	ug/L	<0.33	50	50	49.1	48.6	98	97	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	51.9	53.7	104	107	76-150	4	20		
Vinyl chloride	ug/L	<0.18	50	50	45.6	44.4	91	89	56-143	3	20		
4-Bromofluorobenzene (S)	%						97	99	61-130				
Dibromofluoromethane (S)	%						100	101	67-130				
Toluene-d8 (S)	%						97	98	70-130				

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

QC Batch: 287136 Analysis Method: EPA 300.0
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
 Associated Lab Samples: 40167942001, 40167942002, 40167942003, 40167942004, 40167942005, 40167942006, 40167942007, 40167942008

METHOD BLANK: 1679636 Matrix: Water
 Associated Lab Samples: 40167942001, 40167942002, 40167942003, 40167942004, 40167942005, 40167942006, 40167942007, 40167942008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<0.50	2.0	05/02/18 15:54	

LABORATORY CONTROL SAMPLE: 1679637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	20.9	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1679638 1679639

Parameter	Units	40167944004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1130	2000	2000	3330	3130	110	100	90-110	6	15	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1679640 1679641

Parameter	Units	40167942008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	46.9	100	100	155	155	108	108	90-110	0	15	

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF
Pace Project No.: 40167942

QC Batch: 287389 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Associated Lab Samples: 40167942001

METHOD BLANK: 1681596 Matrix: Water
Associated Lab Samples: 40167942001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	<7.0	23.5	04/30/18 13:16	

LABORATORY CONTROL SAMPLE: 1681597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	100	98.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1681598 1681599

Parameter	Units	40167819009		1681598		1681599		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Conc.	MSD Conc.	MS Result	MSD Result					
Alkalinity, Total as CaCO ₃	mg/L	178	178	100	100	276	271	98	93	90-110	2	20

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1681600 1681601

Parameter	Units	40168054002		1681600		1681601		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Conc.	MSD Conc.	MS Result	MSD Result					
Alkalinity, Total as CaCO ₃	mg/L	186J	186J	1000	1000	1080	1070	89	88	90-110	1	20 M0

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF
Pace Project No.: 40167942

QC Batch: 287715 Analysis Method: EPA 310.2
QC Batch Method: EPA 310.2 Analysis Description: 310.2 Alkalinity
Associated Lab Samples: 40167942002, 40167942003, 40167942004, 40167942005, 40167942006, 40167942007, 40167942008

METHOD BLANK: 1683247 Matrix: Water
Associated Lab Samples: 40167942002, 40167942003, 40167942004, 40167942005, 40167942006, 40167942007, 40167942008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	9.0J	23.5	05/04/18 10:07	

LABORATORY CONTROL SAMPLE: 1683248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO ₃	mg/L	100	90.6	91	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1683249 1683250

Parameter	Units	1683249		1683250		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO ₃	mg/L	168	200	357	200	95	97	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1683251 1683252

Parameter	Units	1683251		1683252		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO ₃	mg/L	247	200	454	200	103	99	90-110	2	20	

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF
Pace Project No.: 40167942

QC Batch: 288063 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia
Associated Lab Samples: 40167942001

METHOD BLANK: 1685564 Matrix: Water
Associated Lab Samples: 40167942001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.25	0.50	05/07/18 13:51	

LABORATORY CONTROL SAMPLE: 1685565

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	10	9.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1685566 1685567

Parameter	Units	40167942001		1685566		1685567		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Nitrogen, Ammonia	mg/L	256	500	500	500	748	741	99	97	90-110	1	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11115796-20 RHINELANDER LF
Pace Project No.: 40167942

QC Batch: 287672 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 40167942001

METHOD BLANK: 1682966 Matrix: Water
Associated Lab Samples: 40167942001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.22J	0.73	05/02/18 17:02	

LABORATORY CONTROL SAMPLE: 1682967

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682968 1682969

Parameter	Units	40168138001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	1.3	5	5	6.0	6.1	95	97	90-110	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1682970 1682971

Parameter	Units	40167867002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	1.1	5	5	6.0	5.8	97	93	90-110	3	20	

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QUALIFIERS

Project: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

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.

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: 11115796-20 RHINELANDER LF

Pace Project No.: 40167942

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40167942001	MW-2A	EPA 6010	287268		
40167942002	MW-2B	EPA 6010	287268		
40167942003	MW-16A	EPA 6010	287268		
40167942004	MW-16B	EPA 6010	287268		
40167942005	MW-16C	EPA 6010	287268		
40167942006	MW-20A	EPA 6010	287268		
40167942007	MW-20B	EPA 6010	287268		
40167942008	MW-20C	EPA 6010	287268		
40167942001	MW-2A	EPA 8260	287144		
40167942002	MW-2B	EPA 8260	287144		
40167942003	MW-16A	EPA 8260	287144		
40167942004	MW-16B	EPA 8260	287144		
40167942005	MW-16C	EPA 8260	287144		
40167942006	MW-20A	EPA 8260	287144		
40167942007	MW-20B	EPA 8260	287144		
40167942008	MW-20C	EPA 8260	287144		
40167942009	TRIP BLANK	EPA 8260	287144		
40167942003	MW-16A				
40167942004	MW-16B				
40167942005	MW-16C				
40167942006	MW-20A				
40167942007	MW-20B				
40167942008	MW-20C				
40167942001	MW-2A	EPA 300.0	287136		
40167942002	MW-2B	EPA 300.0	287136		
40167942003	MW-16A	EPA 300.0	287136		
40167942004	MW-16B	EPA 300.0	287136		
40167942005	MW-16C	EPA 300.0	287136		
40167942006	MW-20A	EPA 300.0	287136		
40167942007	MW-20B	EPA 300.0	287136		
40167942008	MW-20C	EPA 300.0	287136		
40167942001	MW-2A	EPA 310.2	287389		
40167942002	MW-2B	EPA 310.2	287715		
40167942003	MW-16A	EPA 310.2	287715		
40167942004	MW-16B	EPA 310.2	287715		
40167942005	MW-16C	EPA 310.2	287715		
40167942006	MW-20A	EPA 310.2	287715		
40167942007	MW-20B	EPA 310.2	287715		
40167942008	MW-20C	EPA 310.2	287715		
40167942001	MW-2A	EPA 350.1	288063		
40167942001	MW-2A	EPA 351.2	287672	EPA 351.2	287720

REPORT OF LABORATORY ANALYSIS

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CONESTOGA-ROVERS & ASSOCIATES

CHAIN OF CUSTODY RECORD

COC NO. SP-02607

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

40167942

(See Reverse Side for Instructions)

Project No./Phase/Task Code: 1115796-20
Project Name: Rhineland Landfill
Project Location: Rhineland

Chemistry Contact: Grant Anderson
Sampler(s): August K. Sehn

Lab Contact: Price
Lab Quote No.:
Lab Location:

Carrier:
Airbill No.:
Date Shipped:

SSOW ID:
Cooler No.:
COMMENTS/SPECIAL INSTRUCTIONS:

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
1	W-180121-04-01	4/24/11	1400	MC	G	1	3	1	1					6	Alkalinity, Chloride Hardness Iron, Manganese Boron Ammonia + Kjeldahl VOCs - tetrahydro	
2	W-180121-04-02		1350			1	3	1						5		
3	W-180121-04-03		1210			1	3	1						5		
4	W-180121-04-04		1210			1	3	1						5		
5	W-180121-04-05		1225			1	3	1						5		
6	W-180121-04-06		1445			1	3	1						5		
7	W-180121-04-07		1500			1	3	1						5		
8	W-180121-04-08		1510			1	3	1						4		
9																
10																
11																
12																
13																
14																
15																

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

Carrier:
Airbill No.:
Date Shipped:

COMMENTS/SPECIAL INSTRUCTIONS:

MS/MSD Request

Notes: Special Requirements:
Metals, were field filtered

Total Number of Containers: 42
All Samples in Cooler must be on COC

REINQUISHED BY: [Signature]
COMPANY: Price
DATE: 4/25/11

RECEIVED BY: [Signature]
COMPANY: Price
DATE: 4/25/11

RECEIVED BY: [Signature]
COMPANY: Price
DATE: 4/25/11

RECEIVED BY: [Signature]
COMPANY: Price
DATE: 4/25/11

RECEIVED BY: [Signature]
COMPANY: Price
DATE: 4/25/11

Distribution: WHITE - Fully Executed Copy (CRA) YELLOW - Receiving Laboratory Copy PINK - Shipper GOLDENROD - Sampling Crew
THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT - ALL FIELDS MUST BE COMPLETED ACCURATELY
CRA Form: COC-10A (20110804)

Pace Container Order #346330

40167942

Addresses

Order By :	Ship To :	Return To:
Company <u>GHD SERVICES</u>	Company <u>GHD SERVICES (Pace Analytical)</u>	Company <u>Pace Analytical Green Bay</u>
Contact <u>Anderson, Grant</u>	Contact <u>Ryan Aamot</u>	Contact <u>Milewsky, Dan</u>
Email <u>grant.anderson@ghd.com</u>	Email <u>ryan.aamot@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>Rhineland LF Groundwater</u>	Due Date <u>04/04/2018</u>	Profile _____	Quote _____
Project Manager <u>Milewsky, Dan</u>	Return _____	Carrier <u>Most Economical</u>	Location _____

<p>Trip Blanks</p> <p><input checked="" type="checkbox"/> Include Trip Blanks</p>	<p>Bottle Labels</p> <p><input checked="" type="checkbox"/> Blank</p> <p><input type="checkbox"/> Pre-Printed No Sample IDs</p> <p><input type="checkbox"/> Pre-Printed With Sample IDs</p>	<p>Bottles</p> <p><input type="checkbox"/> Boxed Cases</p> <p><input type="checkbox"/> Individually Wrapped</p> <p><input type="checkbox"/> Grouped By Sample</p>										
<p>Return Shipping Labels</p> <p><input type="checkbox"/> No Shipper Number</p> <p><input type="checkbox"/> With Shipper Number</p>	<p>Misc</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Sampling Instructions</td> <td><input type="checkbox"/> Extra Bubble Wrap</td> </tr> <tr> <td><input type="checkbox"/> Custody Seal</td> <td><input type="checkbox"/> Short Hold/Rush Stickers</td> </tr> <tr> <td><input type="checkbox"/> Temp. Blanks</td> <td><input type="checkbox"/> DI Water <input type="text" value="Liter(s)"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Coolers <input type="text"/></td> <td><input type="checkbox"/> USDA Regulated Soils</td> </tr> <tr> <td><input type="checkbox"/> Syringes <input type="text"/></td> <td></td> </tr> </table>		<input type="checkbox"/> Sampling Instructions	<input type="checkbox"/> Extra Bubble Wrap	<input type="checkbox"/> Custody Seal	<input type="checkbox"/> Short Hold/Rush Stickers	<input type="checkbox"/> Temp. Blanks	<input type="checkbox"/> DI Water <input type="text" value="Liter(s)"/>	<input checked="" type="checkbox"/> Coolers <input type="text"/>	<input type="checkbox"/> USDA Regulated Soils	<input type="checkbox"/> Syringes <input type="text"/>	
<input type="checkbox"/> Sampling Instructions	<input type="checkbox"/> Extra Bubble Wrap											
<input type="checkbox"/> Custody Seal	<input type="checkbox"/> Short Hold/Rush Stickers											
<input type="checkbox"/> Temp. Blanks	<input type="checkbox"/> DI Water <input type="text" value="Liter(s)"/>											
<input checked="" type="checkbox"/> Coolers <input type="text"/>	<input type="checkbox"/> USDA Regulated Soils											
<input type="checkbox"/> Syringes <input type="text"/>												
<p>COC Options</p> <p><input checked="" type="checkbox"/> Number of Blanks <input type="text" value="2"/></p> <p><input type="checkbox"/> Pre-Printed <input type="text"/></p>												

# of Samples	Matrix	Test	Container	Total	# of QC	Lot #	Notes
2	WT	Trip BLANK	2-40mL HCL w/custody seal	4	0	B-7-324-01VB	
11	WT	VOC WI List	3-40ml clear vial HCl-hydrochloric acid	33	0	B-8-058-02VB	
11	WT	Alkalinity and Chloride	250mL plastic unpres	11	0	M-8-039-06BB	
11	WT	Hardness and Metals	250mL plastic HNO3-nitric acid	11	0	M-8-054-04BB	
3	WT	Ammonia and TKN	250mL plastic H2SO4	3	0	M-8-067-05BB	

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>04/02/2018</u>
Prepared By:	<u>Mai Yer Her</u>
Verified By:	_____

Client Name: CR A Project # 40167942

Sample Preservation Receipt Form

All containers needing preservation have been checked and noted below: ~~Yes~~ ~~No~~ ~~N/A~~
 Lab Lot# of pH paper: 10084771 Lab Std #/ID of preservation (if pH adjusted): _____

Initial when completed: SM Date/ Time: _____

Pace Lab #	Glass	Plastic	Vials	Jars	General	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (ml.)
001												2.5/5/10
002												2.5/5/10
003										X		2.5/5/10
004										X		2.5/5/10
005										X		2.5/5/10
006										X		2.5/5/10
007										X		2.5/5/10
008										X		2.5/5/10
009										X		2.5/5/10
010										X		2.5/5/10
011										X		2.5/5/10
012										X		2.5/5/10
013										X		2.5/5/10
014										X		2.5/5/10
015										X		2.5/5/10
016										X		2.5/5/10
017										X		2.5/5/10
018										X		2.5/5/10
019										X		2.5/5/10
020										X		2.5/5/10

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

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	DG9A 40 ml amber ascorbic	JGFU 4 oz amber jar unpres	SP5T 120 mL plastic Na Thiosulfate
AG1H 1 liter amber glass HCL	BP2N 500 mL plastic HNO3	DG9T 40 ml amber Na Thio	WG9U 4 oz clear jar unpres	ZPLC ziploc bag
AG4S 125 mL amber glass H2SO4	BP2Z 500 mL plastic NaOH, Znact	VG9U 40 mL clear vial unpres	WPFU 4 oz plastic jar unpres	
AG4U 120 mL amber glass unpres	BP3U 250 mL plastic unpres	VG9H 40 mL clear vial HCL		
AG5U 100 mL amber glass unpres	BP3C 250 mL plastic NaOH	VG9M 40 mL clear vial MeOH		
AG2S 500 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9D 40 mL clear vial DI		
BG3U 250 mL clear glass unpres	BP3S 250 mL plastic H2SO4			



1241 Bellevue Street, Green Bay, WI 54302

Document Name:
Sample Condition Upon Receipt (SCUR)

Document Revised: 31Jan2018

Document No.:
F-GB-C-031-rev.06

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: CRA

Project #: _____

WO#: **40167942**



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

Tracking #: _____

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

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

Packing Material: Bubble Wrap Bubble Bags None Other

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

Cooler Temperature Uncorr: POI / Corr: _____

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

Person examining contents:
Date: 4/25/18
Initials: SSM

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A MS/MSD <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>U</u>		<u>No collect times</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>390</u>		<u>SSM 4/25/18</u>

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

Project Manager Review: As for DM Date: 4/25/18