

Our ref: 002012-LTR-8

December 07, 2021

Ms. Yodit Sheido
Minnesota Pollution Control Agency
Remediation Division
Superfund and Emergency Response Section
520 Lafayette Road
St. Paul, Minnesota 55155-4194

Data Report
October 2021 Residential Well Sampling Event
Highway 96 Site
White Bear Township, Minnesota

Dear Ms. Sheido:

On behalf of Whirlpool Corporation and Reynolds Metals Company, GHD Services Inc. (GHD) has prepared this letter to report the analytical results from the October 2021 Residential Well Sampling Event conducted in North Oaks, Minnesota, as part of the long-term monitoring program (LTMP) for Operable Unit 4 (OU4) of the Highway 96 Site (Site).

GHD conducted the October 2021 Residential Well Sampling Event in accordance with the Minnesota Decision Document (MDD) for the Site signed by the Minnesota Pollution Control Agency (MPCA) on October 7, 1993, and subsequent amendments signed on August 26, 2008 (MDD Amendment 1) and December 30, 2019 (MDD Amendment 2).

A summary of the field sampling program and a discussion of the sampling results are presented in the sections below.

1. Field Sampling Program

The scope of the October 2021 residential well sampling event included Sampling Group A (28 homes), as defined in MDD Amendment 2. During the period from October 6-7, 2021, GHD was able to collect samples from 25 locations where expressed permission was obtained from the resident and a water source was available. GHD was unable to collect samples from three of the planned sampling locations because the resident either declined sampling or did not respond. A sampling summary is presented in Table 1.

Where possible, GHD collected samples from an untreated water source (i.e., not softened or filtered) utilizing an outside tap. Prior to sampling, water was allowed to run (purge) for approximately 20 minutes to remove stagnant water from the pressure tank and piping. During the purging process, water was directed away from the tap/exterior wall of the home using a hose. Prior to sample collection, GHD measured and recorded the following field parameters: purge rate, pH, conductivity, temperature, dissolved oxygen, and oxidation reduction potential (ORP).

GHD collected samples directly from the tap after disconnecting any hose used for purging (unless otherwise noted in Table 1). At each location, GHD collected samples for laboratory analysis of volatile organic compounds (VOCs) (Method 8260D-Low Level) and chloride (Method 300.0A). GHD placed the samples on ice immediately following sample collection and submitted samples to the MPCA approved laboratory (Pace Analytical Services in Minneapolis, Minnesota) using standard chain of custody procedures. For quality assurance/quality control (QA/QC), GHD collected three duplicate samples, three field blank samples, and two sets of matrix spike/matrix spike duplicate (MS/MSD) samples (see Table 1). GHD also included a trip blank in each shipping cooler containing samples for laboratory analysis of VOCs.

2. Sampling Results

Laboratory analytical reports and GHD's Data Quality Assessment and Validation memorandum associated with the October 2021 Residential Well Sampling Event are provided as Attachments 1 and 2, respectively. GHD's assessment concluded that the analytical results exhibit acceptable levels of accuracy and precision and may be used with specific qualifications (as noted in Attachment 2). A summary of validated analytical detections associated with the October 2021 Residential Well Sampling Event is presented in Table 2. The Minnesota Department of Health (MDH) Health Based Guidance (HBG) values for detected analytes are also identified in Table 2.

2.1 VOCs

Table 1 of MDD Amendment 1 lists seven VOCs of potential concern (MPCA Listed VOCs) associated with the LTMP for OU4: vinyl chloride (VC), 1,1 dichloroethane (11DCA), trans 1,2 dichloroethene (T12DCE), benzene, methyl ethyl ketone (MEK), toluene, and 1,1,2 trichloroethene (TCE). Sampling results for VC, other MPCA Listed VOCs, and other VOCs are discussed separately in the paragraphs below.

2.2 Vinyl Chloride (VC)

As presented in Table 2 and depicted on Figure 1, VC was not detected in any of the residential well samples collected in October 2021. The method detection limit (MDL) and laboratory reporting limit (RL) associated with the October 2020 laboratory results for VC are 0.063 µg/L and 0.20 µg/L, respectively. VC concentrations between the MDL and the RL would have been reported by the laboratory and flagged as estimated (J). The MDH Health Risk Limit (HRL) for VC (promulgated in 2018) is 0.20 µg/L.

Since October 2004, the number of residential well locations where detectable levels of VC have been reported is limited to 10 locations:

- 50 East Oaks Road (detected concentrations were below the HRL; last detected in April 2014.)
- 2 Heron Lane (well advisory issued by MDH in November 2012; well abandoned and replaced with a new/deeper well by the RPs.)
- 3 Heron Lane (detected concentration was below the HRL; not part of the long-term groundwater monitoring program for OU4; at the direction of the MPCA, supplemental sampling was initiated in 2012 following the detection of vinyl chloride at 2 Heron Lane and discontinued in 2018 following six subsequent sampling events with no detections.)
- 1 Hummingbird Hill (detected concentrations were below the HRL; last detected in May 2013.)
- 2 Hummingbird Hill (detected concentrations were at or below the HRL; last detected in September 2009; well voluntarily abandoned and replaced with a new/deeper well by the RPs.)
- 10 West Shore Road (detected concentrations were below the HRL; last detected in April 2014.)

- 11 West Shore Road (detected concentrations were below the HRL; last detected in April 2014; home razed and well abandoned in February 2020; new/deeper well installed by the homeowner in March 2020.)
- 12 West Shore Road (well advisory issued by MDH in December 2008; well abandoned and replaced with a new/deeper well by the RPs.)
- 13 West Shore Road (well advisory issued by the MDH in August 2007; well abandoned and replaced with a new/deeper well by the RPs.)
- 15 West Shore Road (detected concentrations were at or below the HRL; last detected in April 2014.)

No new locations with detectable levels of VC have been identified in the last nine years (since May 2012) and there have been no detections of VC for the last 13 consecutive sampling events (since April 2014). Graphs of historical VC results for the above referenced residential wells are provided as Attachment 3.

2.3 Other MPCA Listed VOCs

No MPCA Listed VOCs were detected in samples collected during the October 2021 Residential Well Sampling Event.

2.4 Other VOCs

As presented in Table 2, cis-1,2-dichloroethene (C12DCE) was detected in one residential well sample collected in October 2021: 4 Ski Lane (0.22 J µg/L). The MDH HRL for C12DCE (promulgated in 2018) is 6 µg/L. To date, C12DCE has not been detected above the MDH HRL at any residential well location in OU4.

No other VOCs were detected in samples collected during the October 2021 Residential Well Sampling Event.

2.5 Chloride

As presented in Table 2, Chloride concentrations in residential well samples collected in October 2021 ranged from 5.1 mg/L (8 West Shore Road) to 137 mg/L (4 Thompson Lane). Historically, chloride has been detected in residential wells in OU4 at similar concentrations. There is no MDH HBG established for chloride.

3. Future Sampling

The next residential well sampling event is scheduled for October 2022. The scope of sampling will include Sampling Group A (28 homes), as defined in MDD Amendment 2.

If you have any questions or require additional information, please contact me at (612) 524-6858.

Regards,



Sarah Illi
Senior Project Manager

+1 612 524-6858
sarah.illi@ghd.com

SI/mg/LTR-8

Encl.

Copy to: Dan Peña, Minnesota Department of Health
Highway 96 Site PRP Group



Brian Sandberg
Senior Hydrogeologist

+1 612 524-6832
brian.sandberg@ghd.com

Figures

OCTOBER 2021

25 WELLS SAMPLED

25 WELLS - VINYL CHLORIDE NOT DETECTED

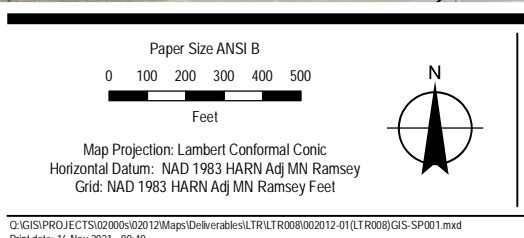
0 WELLS - VINYL CHLORIDE DETECTED AT OR BELOW HEALTH RISK LIMIT

0 WELLS - VINYL CHLORIDE DETECTED ABOVE HEALTH RISK LIMIT (0.2 µg/L)



ND VINYL CHLORIDE NOT DETECTED (DETECTION LIMIT = 0.063 µg/L)
 ND/ND DUPLICATE SAMPLE RESULT
 NS NOT SAMPLED (NO RESPONSE/DECLINED/WATER OFF)
 #RP REPLACEMENT WELL INSTALLED BY RPs (PRAIRIE DU CHIEN AQUIFER) [OLD WELL ABANDONED]

#RP-J REPLACEMENT WELL INSTALLED BY RPs (EXTENDED INTO JORDAN AQUIFER AT HOMEOWNER'S REQUEST/EXPENSE) [OLD WELL ABANDONED]
 #H NEW WELL INSTALLED BY HOMEOWNER (PRAIRIE DU CHIEN AQUIFER) [OLD WELL ABANDONED]
 #H-J NEW WELL INSTALLED BY HOMEOWNER (JORDAN AQUIFER) [OLD WELL ABANDONED]



HIGHWAY 96 SITE
 WHITE BEAR TOWNSHIP, MINNESOTA
 VINYL CHLORIDE CONCENTRATIONS
 OCTOBER 2021

Project No. 002012-01
 Revision No. -
 Date 11/16/2021
 FIGURE 1

Data source: Ramsey County. Created by: rjpy

Tables

Table 1
Sampling Summary
October 2021 Residential Well Sampling Event
Highway 96 Site
White Bear Township, Minnesota

Location ID	Well Address	Sample ID	Date	Sample Time	Purge Time (min)	Flow Rate (gpm)	Temp (°C)	pH (–)	ORP (mV)	Cond (µS/cm)	DO (mg/L)	Turb (NTU)	Clarity	QA/QC	QA/QC Sample ID	Notes
BUF-01	1 Buffalo Road	RW-211006-KJ-10	10/06/2021	12:30	31	8	11.02	7.23	-102	667	0.00	11.3	clear	--	--	--
BUF-03	3 Buffalo Road	RW-211006-KJ-09	10/06/2021	12:15	26	9	10.70	7.08	-98	664	0.00	11.5	clear	--	--	--
EAG-01	1 Eagle Ridge Road	RW-211006-KJ-17	10/06/2021	13:40	32	7	13.84	7.36	-159	633	0.00	3.0	clear	FB	RW-211006-KJ-16	Treated Sample (post iron filter)
EAG-02	2 Eagle Ridge Road	RW-211006-KJ-14	10/06/2021	13:18	23	5	11.35	7.20	-130	679	0.00	5.7	clear	FD	RW-211006-KJ-15	--
EAG-03	3 Eagle Ridge Road	RW-211006-KJ-13	10/06/2021	13:10	25	6	11.57	7.21	-128	647	0.00	8.0	clear	--	--	--
EAG-04	4 Eagle Ridge Road	RW-211006-KJ-12	10/06/2021	12:55	20	5	12.17	7.15	-121	665	0.00	0.0	clear	--	--	--
EAG-06	6 Eagle Ridge Road	RW-211006-KJ-11	10/06/2021	12:40	29	3	12.74	7.03	-124	693	0.58	19.6	clear	--	--	--
EAS-44	44 East Oaks Road	RW-211006-KJ-19	10/06/2021	14:14	34	10	12.47	7.73	-142	548	2.07	0.0	clear	--	--	--
EAS-50	50 East Oaks Road	RW-211006-KJ-18	10/06/2021	13:55	36	8	12.75	7.12	-132	678	0.00	6.7	clear	--	--	--
HUM-01	1 Hummingbird Hill	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled (resident declined)
POP-08	8 Poplar Lane	RW-211006-KJ-20	10/06/2021	14:02	20	NM	12.36	7.48	-105	578	5.57	0.0	clear	--	--	--
QUA-03	3 Quail Lane	RW-211007-KJ-31	10/07/2021	11:57	20	9	11.32	7.36	-75	716	0.00	8.5	clear	--	--	--
SKI-02	2 Ski Lane	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled (resident declined)

Table 1
Sampling Summary
October 2021 Residential Well Sampling Event
Highway 96 Site
White Bear Township, Minnesota

Location ID	Well Address	Sample ID	Date	Sample Time	Purge Time (min)	Flow Rate (gpm)	Temp (°C)	pH (–)	ORP (mV)	Cond (µS/cm)	DO (mg/L)	Turb (NTU)	Clarity	QA/QC	QA/QC Sample ID	Notes
SKI-04	4 Ski Lane	RW-211006-KJ-01	10/06/2021	10:39	33	10	10.21	7.27	-157	653	0.00	0.0	clear	--	--	--
SKI-06	6 Ski Lane	RW-211006-KJ-02	10/06/2021	10:50	39	5	11.05	6.96	-122	641	0.00	11.6	clear	FD	RW-211006-KJ-03	--
SKI-08	8 Ski Lane	RW-211006-KJ-05	10/06/2021	11:16	22	6	10.57	7.65	-208	693	0.00	0.0	clear	FB	RW-211006-KJ-04	--
SKI-10	10 Ski Lane	RW-211006-KJ-06	10/06/2021	11:30	29	9	10.62	7.05	-97	637	0.00	2.8	clear	--	--	--
SKI-12	12 Ski Lane	RW-211007-KJ-22	10/07/2021	09:45	20	5	11.70	7.42	-170	772	0.00	2.6	clear	FD	RW-211007-KJ-23	--
SKI-14	14 Ski Lane	RW-211006-KJ-07	10/06/2021	11:45	34	5	12.01	7.11	-120	691	0.00	11.9	clear	MS/MSD	--	--
SKI-16	16 Ski Lane	RW-211006-KJ-08	10/06/2021	12:00	38	8	11.50	7.15	-105	596	0.00	10.6	clear	--	--	--
THO-01	1 Thompson Lane	RW-211007-KJ-28	10/07/2021	11:22	20	5	11.44	7.34	-153	648	0.00	10.3	clear	--	--	--
THO-03	3 Thompson Lane	RW-211007-KJ-30	10/07/2021	11:32	20	6	11.33	7.34	-129	619	1.02	4.6	clear	--	--	--
THO-04	4 Thompson Lane	RW-211007-KJ-29	10/07/2021	11:27	20	5	11.36	7.36	-137	632	0.00	5.9	clear	--	--	--
WES-08	8 West Shore Road	RW-211007-KJ-25	10/07/2021	10:17	20	7	12.21	7.23	-157	574	0.00	6.9	clear	FB	RW-211007-KJ-24	--
WES-09	9 West Shore Road	RW-211007-KJ-26	10/07/2021	10:46	20	8	11.84	7.27	-162	571	0.00	6.2	clear	MS/MSD	--	--
WES-10	10 West Shore Road	NS	--	--	--	--	--	--	--	--	--	--	clear	--	--	Not Sampled (no response from resident)

Table 1
Sampling Summary
October 2021 Residential Well Sampling Event
Highway 96 Site
White Bear Township, Minnesota

Location ID	Well Address	Sample ID	Date	Sample Time	Purge Time (min)	Flow Rate (gpm)	Temp (°C)	pH (--)	ORP (mV)	Cond (µS/cm)	DO (mg/L)	Turb (NTU)	Clarity	QA/QC	QA/QC Sample ID	Notes
WES-11b	11 West Shore Road	RW-211007-KJ-27	10/07/2021	10:51	20	7	11.86	7.37	-112	483	0.75	4.9	clear	--	--	Effervescence observed during sample collection
WES-15	15 West Shore Road	RW-211006-KJ-21	10/06/2021	14:42	20	8	11.31	7.27	-153	682	0.00	0.0	clear	--	--	--

Notes:

- °C - Degrees Celsius
- Cond - Conductivity
- DO - Dissolved Oxygen
- FB - Field Blank
- FD - Field Duplicate
- gpm - Gallons per minute
- mg/L - Milligrams per liter
- min - Minutes
- MS/MSD - Matrix Spike/Matrix Spike Duplicate
- mV - Millivolts
- NM - Not Measured
- NS - Not Sampled
- NTU - Nephelometric Turbidity Units
- ORP - Oxidation Reduction Potential
- QA/QC - Quality Assurance/Quality Control sample type
- Temp - Temperature
- µS/cm - Micro-Siemens per centimeter

**Summary of Analytical Results
October 2021 Residential Well Sampling Event
Highway 96 Site
White Bear Lake, Minnesota**

Location ID	Well Address	Sample ID	Date	HBG Basis HBG Value Units QA/QC	Chloride mg/L	cis-1,2-Dichloroethene HRL18 6 µg/L
BUF-01	1 Buffalo Road	RW-211006-KJ-10	10/06/2021		35.5 J-	< 0.50
BUF-03	3 Buffalo Road	RW-211006-KJ-09	10/06/2021		36.8 J-	< 0.50
EAG-01	1 Eagle Ridge Road	RW-211006-KJ-17	10/06/2021		29.4 J-	< 0.50
EAG-02	2 Eagle Ridge Road	RW-211006-KJ-14	10/06/2021		38.3 J-	< 0.50
EAG-02	2 Eagle Ridge Road	RW-211006-KJ-15	10/06/2021	FD	38.6 J-	< 0.50
EAG-03	3 Eagle Ridge Road	RW-211006-KJ-13	10/06/2021		30.9 J-	< 0.50
EAG-04	4 Eagle Ridge Road	RW-211006-KJ-12	10/06/2021		29.8 J-	< 0.50
EAG-06	6 Eagle Ridge Road	RW-211006-KJ-11	10/06/2021		43.6 J-	< 0.50
EAS-44	44 East Oaks Road	RW-211006-KJ-19	10/06/2021		15.6 J-	< 0.50
EAS-50	50 East Oaks Road	RW-211006-KJ-18	10/06/2021		33.4 J-	< 0.50
POP-08	8 Poplar Lane	RW-211006-KJ-20	10/06/2021		40.7 J-	< 0.50
QUA-03	3 Quail Lane	RW-211007-KJ-31	10/07/2021		28.5	< 0.50
SKI-04	4 Ski Lane	RW-211006-KJ-01	10/06/2021		42.0 J-	0.22 J
SKI-06	6 Ski Lane	RW-211006-KJ-02	10/06/2021		33.2 J-	< 0.50
SKI-06	6 Ski Lane	RW-211006-KJ-03	10/06/2021	FD	32.9 J-	< 0.50
SKI-08	8 Ski Lane	RW-211006-KJ-05	10/06/2021		40.2 J-	< 0.50
SKI-10	10 Ski Lane	RW-211006-KJ-06	10/06/2021		28.0 J-	< 0.50
SKI-12	12 Ski Lane	RW-211007-KJ-22	10/07/2021		59.4	< 0.50
SKI-12	12 Ski Lane	RW-211007-KJ-23	10/07/2021	FD	59.0	< 0.50
SKI-14	14 Ski Lane	RW-211006-KJ-07	10/06/2021		40.5 J-	< 0.50
SKI-16	16 Ski Lane	RW-211006-KJ-08	10/06/2021		26.5 J-	< 0.50
THO-01	1 Thompson Lane	RW-211007-KJ-28	10/07/2021		30.1	< 0.50
THO-03	3 Thompson Lane	RW-211007-KJ-30	10/07/2021		12.8	< 0.50
THO-04	4 Thompson Lane	RW-211007-KJ-29	10/07/2021		137.0	< 0.50
WES-08	8 West Shore Road	RW-211007-KJ-25	10/07/2021		5.1	< 0.50
WES-09	9 West Shore Road	RW-211007-KJ-26	10/07/2021		6.0	< 0.50
WES-11b	11 West Shore Road	RW-211007-KJ-27	10/07/2021		7.1	< 0.50
WES-15	15 West Shore Road	RW-211006-KJ-21	10/06/2021		41.1	< 0.50

Notes:

- HBG - Health-Based Guidance (HBG) established by the Minnesota Department of Health (MDH)
(if multiple HBG values are available, the lowest value is shown and used for initial screening)
- HRL - Health Risk Limit (year promulgated)
- - Not established/no data
- < - Not detected above the noted reporting limit.
- FD - Field Duplicate
- J - Estimated concentration
- J- - Estimated concentration; result may be biased low
- mg/L - Milligrams per liter
- QA/QC - Quality Assurance/Quality Control sample type
- µg/L - Micrograms per liter

Attachments

Attachment 1

Laboratory Reports

November 01, 2021

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

RE: Project: 002012-01-040-Revised Report
Pace Project No.: 10582258

Dear Mr. Anderson:

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

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

- Pace Analytical Services - Minneapolis

This report was revised on November 1, 2021, to include data for all samples.

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

Sincerely,



Tina Soltani
tina.soltani@pacelabs.com
(612) 607-6384
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414

1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

A2LA Certification #: 2926.01*

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009*

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014*

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605*

Georgia Certification #: 959

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: AI-03086*

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064*

Maryland Certification #: 322

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Approval: via MN 027-053-137

Minnesota Petrofund Registration #: 1240*

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081*

New Jersey Certification #: MN002

New York Certification #: 11647*

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification (1700) #: CL101

Ohio VAP Certification (1800) #: CL110*

Oklahoma Certification #: 9507*

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001*

Pennsylvania Certification #: 68-00563*

Puerto Rico Certification #: MN00064

South Carolina Certification #:74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192*

Utah Certification #: MN00064*

Vermont Certification #: VT-027053137

Virginia Certification #: 460163*

Washington Certification #: C486*

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

USDA Permit #: P330-19-00208

Please Note: Applicable air certifications are denoted with an asterisk ().

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10582258001	RW-211006-KJ-01	Water	10/06/21 10:39	10/07/21 12:30
10582258002	RW-211006-KJ-02	Water	10/06/21 10:50	10/07/21 12:30
10582258003	RW-211006-KJ-03	Water	10/06/21 10:51	10/07/21 12:30
10582258004	RW-211006-KJ-04	Water	10/06/21 11:14	10/07/21 12:30
10582258005	RW-211006-KJ-05	Water	10/06/21 11:16	10/07/21 12:30
10582258006	RW-211006-KJ-06	Water	10/06/21 11:30	10/07/21 12:30
10582258007	RW-211006-KJ-07	Water	10/06/21 11:45	10/07/21 12:30
10582258008	RW-211006-KJ-08	Water	10/06/21 12:00	10/07/21 12:30
10582258009	RW-211006-KJ-09	Water	10/06/21 12:15	10/07/21 12:30
10582258010	RW-211006-KJ-10	Water	10/06/21 12:30	10/07/21 12:30
10582258011	RW-211006-KJ-11	Water	10/06/21 12:40	10/07/21 12:30
10582258012	RW-211006-KJ-12	Water	10/06/21 12:55	10/07/21 12:30
10582258013	RW-211006-KJ-13	Water	10/06/21 13:10	10/07/21 12:30
10582258014	RW-211006-KJ-14	Water	10/06/21 13:18	10/07/21 12:30
10582258015	RW-211006-KJ-15	Water	10/06/21 13:20	10/07/21 12:30
10582258016	RW-211006-KJ-16	Water	10/06/21 13:35	10/07/21 12:30
10582258017	RW-211006-KJ-17	Water	10/06/21 13:40	10/07/21 12:30
10582258018	RW-211006-KJ-18	Water	10/06/21 13:55	10/07/21 12:30
10582258019	RW-211006-KJ-19	Water	10/06/21 14:14	10/07/21 12:30
10582258020	RW-211006-KJ-20	Water	10/06/21 14:02	10/07/21 12:30
10582258021	RW-211006-KJ-21	Water	10/06/21 14:42	10/07/21 12:30
10582258022	TRIP BLANK #1	Water	10/06/21 00:00	10/07/21 12:30
10582258023	RW-211007-KJ-22	Water	10/07/21 09:45	10/07/21 12:30
10582258024	RW-211007-KJ-23	Water	10/07/21 09:46	10/07/21 12:30
10582258025	RW-211007-KJ-24	Water	10/07/21 10:15	10/07/21 12:30
10582258026	RW-211007-KJ-25	Water	10/07/21 10:17	10/07/21 12:30
10582258027	RW-211007-KJ-26	Water	10/07/21 10:46	10/07/21 12:30
10582258028	RW-211007-KJ-27	Water	10/07/21 10:51	10/07/21 12:30
10582258029	RW-211007-KJ-28	Water	10/07/21 11:22	10/07/21 12:30
10582258030	RW-211007-KJ-29	Water	10/07/21 11:27	10/07/21 12:30
10582258031	RW-211007-KJ-30	Water	10/07/21 11:32	10/07/21 12:30
10582258032	RW-211007-KJ-31	Water	10/07/21 11:57	10/07/21 12:30
10582258033	TRIP BLANK #2	Water	10/07/21 00:00	10/07/21 12:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10582258001	RW-211006-KJ-01	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258002	RW-211006-KJ-02	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258003	RW-211006-KJ-03	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258004	RW-211006-KJ-04	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258005	RW-211006-KJ-05	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258006	RW-211006-KJ-06	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258007	RW-211006-KJ-07	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258008	RW-211006-KJ-08	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258009	RW-211006-KJ-09	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258010	RW-211006-KJ-10	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258011	RW-211006-KJ-11	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258012	RW-211006-KJ-12	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258013	RW-211006-KJ-13	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258014	RW-211006-KJ-14	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258015	RW-211006-KJ-15	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258016	RW-211006-KJ-16	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258017	RW-211006-KJ-17	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258018	RW-211006-KJ-18	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258019	RW-211006-KJ-19	EPA 8260D	NMB	72	PASI-M

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 002012-01-040-Revised Report
Pace Project No.: 10582258

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10582258020	RW-211006-KJ-20	EPA 300.0	KEO	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10582258021	RW-211006-KJ-21	EPA 300.0	KEO	1	PASI-M
		EPA 8260D	NMB	72	PASI-M
10582258022	TRIP BLANK #1	EPA 300.0	KEO	1	PASI-M
10582258023	RW-211007-KJ-22	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258024	RW-211007-KJ-23	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258025	RW-211007-KJ-24	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258026	RW-211007-KJ-25	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258027	RW-211007-KJ-26	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258028	RW-211007-KJ-27	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258029	RW-211007-KJ-28	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258030	RW-211007-KJ-29	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258031	RW-211007-KJ-30	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258032	RW-211007-KJ-31	EPA 8260D	NMB	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10582258033	TRIP BLANK #2	EPA 8260D	NMB	72	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10582258001	RW-211006-KJ-01					
EPA 8260D	cis-1,2-Dichloroethene	0.22J	ug/L	0.50	10/19/21 17:10	
EPA 300.0	Chloride	42.0	mg/L	1.2	10/13/21 22:44	M1
10582258002	RW-211006-KJ-02					
EPA 300.0	Chloride	33.2	mg/L	1.2	10/13/21 23:49	
10582258003	RW-211006-KJ-03					
EPA 300.0	Chloride	32.9	mg/L	1.2	10/14/21 00:19	
10582258005	RW-211006-KJ-05					
EPA 300.0	Chloride	40.2	mg/L	1.2	10/14/21 00:50	
10582258006	RW-211006-KJ-06					
EPA 300.0	Chloride	28.0	mg/L	1.2	10/14/21 01:05	
10582258007	RW-211006-KJ-07					
EPA 300.0	Chloride	40.5	mg/L	1.2	10/14/21 02:05	M1
10582258008	RW-211006-KJ-08					
EPA 300.0	Chloride	26.5	mg/L	1.2	10/14/21 01:20	
10582258009	RW-211006-KJ-09					
EPA 300.0	Chloride	36.8	mg/L	1.2	10/14/21 03:10	
10582258010	RW-211006-KJ-10					
EPA 300.0	Chloride	35.5	mg/L	1.2	10/14/21 03:25	
10582258011	RW-211006-KJ-11					
EPA 300.0	Chloride	43.6	mg/L	1.2	10/14/21 03:40	
10582258012	RW-211006-KJ-12					
EPA 300.0	Chloride	29.8	mg/L	1.2	10/14/21 03:56	
10582258013	RW-211006-KJ-13					
EPA 300.0	Chloride	30.9	mg/L	1.2	10/14/21 04:11	
10582258014	RW-211006-KJ-14					
EPA 300.0	Chloride	38.3	mg/L	1.2	10/14/21 04:26	
10582258015	RW-211006-KJ-15					
EPA 300.0	Chloride	38.6	mg/L	1.2	10/14/21 04:41	
10582258017	RW-211006-KJ-17					
EPA 300.0	Chloride	29.4	mg/L	1.2	10/14/21 05:41	
10582258018	RW-211006-KJ-18					
EPA 300.0	Chloride	33.4	mg/L	1.2	10/14/21 05:57	
10582258019	RW-211006-KJ-19					
EPA 300.0	Chloride	15.6	mg/L	1.2	10/14/21 06:12	
10582258020	RW-211006-KJ-20					
EPA 300.0	Chloride	40.7	mg/L	1.2	10/14/21 06:27	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10582258021	RW-211006-KJ-21					
EPA 300.0	Chloride	41.1	mg/L	1.2	10/14/21 22:39	
10582258023	RW-211007-KJ-22					
EPA 300.0	Chloride	59.4	mg/L	1.2	10/14/21 22:54	
10582258024	RW-211007-KJ-23					
EPA 300.0	Chloride	59.0	mg/L	1.2	10/14/21 23:09	
10582258026	RW-211007-KJ-25					
EPA 300.0	Chloride	5.1	mg/L	1.2	10/14/21 23:39	
10582258027	RW-211007-KJ-26					
EPA 300.0	Chloride	6.0	mg/L	1.2	10/14/21 23:54	
10582258028	RW-211007-KJ-27					
EPA 300.0	Chloride	7.1	mg/L	1.2	10/15/21 00:58	
10582258029	RW-211007-KJ-28					
EPA 300.0	Chloride	30.1	mg/L	1.2	10/15/21 01:14	
10582258030	RW-211007-KJ-29					
EPA 300.0	Chloride	137	mg/L	6.0	10/15/21 15:49	
10582258031	RW-211007-KJ-30					
EPA 300.0	Chloride	12.8	mg/L	1.2	10/15/21 02:31	
10582258032	RW-211007-KJ-31					
EPA 300.0	Chloride	28.5	mg/L	1.2	10/15/21 02:47	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Date: November 01, 2021

Case Narrative

Volatile Organics Analysis

8260D

The following analytes were evaluated to the method detection limit (MDL) for all samples:

1,1-Dichloroethane (MDL = 0.14 ug/L)

cis-1,2-Dichloroethene (MDL = 0.17 ug/L)

Vinyl chloride (MDL = 0.063 ug/L)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

General Information:

33 samples were analyzed for EPA 8260D by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

- RW-211006-KJ-19 (Lab ID: 10582258019)
- RW-211006-KJ-20 (Lab ID: 10582258020)
- RW-211006-KJ-21 (Lab ID: 10582258021)
- RW-211007-KJ-22 (Lab ID: 10582258023)
- RW-211007-KJ-23 (Lab ID: 10582258024)
- RW-211007-KJ-24 (Lab ID: 10582258025)
- RW-211007-KJ-25 (Lab ID: 10582258026)
- RW-211007-KJ-26 (Lab ID: 10582258027)
- RW-211007-KJ-27 (Lab ID: 10582258028)
- RW-211007-KJ-28 (Lab ID: 10582258029)
- RW-211007-KJ-29 (Lab ID: 10582258030)
- RW-211007-KJ-30 (Lab ID: 10582258031)
- RW-211007-KJ-31 (Lab ID: 10582258032)
- TRIP BLANK #1 (Lab ID: 10582258022)
- TRIP BLANK #2 (Lab ID: 10582258033)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

QC Batch: 778249

R1: RPD value was outside control limits.

- LCS (Lab ID: 4144950)
 - 2-Butanone (MEK)
 - Acetone
 - Dichlorodifluoromethane

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 777880

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10582258007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4143288)
 - Chloroethane
- MSD (Lab ID: 4143289)
 - 1,1,1,2-Tetrachloroethane
 - 1,1,1-Trichloroethane
 - 1,1,2,2-Tetrachloroethane
 - 1,1,2-Trichloroethane
 - 1,1,2-Trichlorotrifluoroethane
 - 1,1-Dichloroethane
 - 1,1-Dichloropropene
 - 1,2,3-Trichlorobenzene
 - 1,2,3-Trichloropropane
 - 1,2,4-Trichlorobenzene
 - 1,2,4-Trimethylbenzene
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,2-Dichlorobenzene
 - 1,2-Dichloroethane
 - 1,2-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 1,3-Dichlorobenzene
 - 1,3-Dichloropropane
 - 1,4-Dichlorobenzene
 - 2,2-Dichloropropane
 - 2-Butanone (MEK)
 - 2-Chlorotoluene
 - 4-Chlorotoluene
 - 4-Methyl-2-pentanone (MIBK)
 - Acetone
 - Allyl chloride
 - Benzene
 - Bromobenzene
 - Bromochloromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

QC Batch: 777880

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10582258007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorobenzene
- Chloroethane
- Chloroform
- Chloromethane
- Dibromochloromethane
- Dibromomethane
- Dichlorofluoromethane
- Diethyl ether (Ethyl ether)
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Naphthalene
- Styrene
- Tetrachloroethene
- Tetrahydrofuran
- Toluene
- Trichloroethene
- Trichlorofluoromethane
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- m&p-Xylene
- n-Butylbenzene
- n-Propylbenzene
- o-Xylene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

R1: RPD value was outside control limits.

- MSD (Lab ID: 4143289)
 - 1,1,1,2-Tetrachloroethane
 - 1,1,1-Trichloroethane
 - 1,1,2,2-Tetrachloroethane
 - 1,1,2-Trichloroethane
 - 1,1,2-Trichlorotrifluoroethane
 - 1,1-Dichloroethane
 - 1,1-Dichloroethene

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

QC Batch: 777880

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10582258007

R1: RPD value was outside control limits.

- 1,1-Dichloropropene
- 1,2,3-Trichlorobenzene
- 1,2,3-Trichloropropane
- 1,2,4-Trichlorobenzene
- 1,2,4-Trimethylbenzene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3,5-Trimethylbenzene
- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 1,4-Dichlorobenzene
- 2,2-Dichloropropane
- 2-Butanone (MEK)
- 2-Chlorotoluene
- 4-Chlorotoluene
- 4-Methyl-2-pentanone (MIBK)
- Acetone
- Allyl chloride
- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Dibromochloromethane
- Dibromomethane
- Diethyl ether (Ethyl ether)
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Naphthalene
- Styrene
- Tetrachloroethene
- Tetrahydrofuran
- Toluene
- Trichloroethene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

QC Batch: 777880

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10582258007

R1: RPD value was outside control limits.

- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- m&p-Xylene
- n-Butylbenzene
- n-Propylbenzene
- o-Xylene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

QC Batch: 778249

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10582258027

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

- MS (Lab ID: 4144951)
 - Chloroethane
 - Chloromethane
- MSD (Lab ID: 4144952)
 - Chloroethane
 - Chloromethane

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4144951)
 - 1,2,3-Trichlorobenzene
 - 1,2,4-Trichlorobenzene
 - 1,2,4-Trimethylbenzene
 - 1,3,5-Trimethylbenzene
 - 1,3-Dichlorobenzene
 - 1,4-Dichlorobenzene
 - 4-Chlorotoluene
 - Bromomethane
 - Dichlorodifluoromethane
 - Dichlorofluoromethane
 - Trichlorofluoromethane
 - Vinyl chloride
 - n-Butylbenzene
- MSD (Lab ID: 4144952)
 - 1,1,1,2-Tetrachloroethane
 - 1,1,1-Trichloroethane
 - 1,1,2,2-Tetrachloroethane
 - 1,1,2-Trichloroethane
 - 1,1,2-Trichlorotrifluoroethane
 - 1,1-Dichloroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

QC Batch: 778249

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10582258027

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 1,1-Dichloropropene
- 1,2,3-Trichlorobenzene
- 1,2,3-Trichloropropane
- 1,2,4-Trichlorobenzene
- 1,2,4-Trimethylbenzene
- 1,2-Dibromo-3-chloropropane
- 1,2-Dibromoethane (EDB)
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,3,5-Trimethylbenzene
- 1,3-Dichlorobenzene
- 1,3-Dichloropropane
- 1,4-Dichlorobenzene
- 2,2-Dichloropropane
- 2-Butanone (MEK)
- 2-Chlorotoluene
- 4-Chlorotoluene
- 4-Methyl-2-pentanone (MIBK)
- Benzene
- Bromobenzene
- Bromochloromethane
- Bromodichloromethane
- Bromoform
- Bromomethane
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Dibromochloromethane
- Dibromomethane
- Dichlorofluoromethane
- Diethyl ether (Ethyl ether)
- Ethylbenzene
- Hexachloro-1,3-butadiene
- Isopropylbenzene (Cumene)
- Methyl-tert-butyl ether
- Methylene Chloride
- Naphthalene
- Styrene
- Tetrachloroethene
- Tetrahydrofuran
- Toluene
- Trichloroethene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

QC Batch: 778249

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10582258027

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Trichlorofluoromethane
- Vinyl chloride
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- m&p-Xylene
- n-Butylbenzene
- n-Propylbenzene
- o-Xylene
- p-Isopropyltoluene
- sec-Butylbenzene
- tert-Butylbenzene
- trans-1,3-Dichloropropene

R1: RPD value was outside control limits.

- MSD (Lab ID: 4144952)
 - 1,1,1,2-Tetrachloroethane
 - 1,1,1-Trichloroethane
 - 1,1,2-Trichlorotrifluoroethane
 - 1,1-Dichloroethene
 - 1,1-Dichloropropene
 - 1,2-Dibromoethane (EDB)
 - 1,2-Dichloropropane
 - 1,3-Dichloropropane
 - 2-Chlorotoluene
 - 4-Methyl-2-pentanone (MIBK)
 - Dibromochloromethane
 - Ethylbenzene
 - Isopropylbenzene (Cumene)
 - Methyl-tert-butyl ether
 - Styrene
 - Tetrachloroethene
 - m&p-Xylene
 - n-Propylbenzene
 - o-Xylene
 - sec-Butylbenzene
 - tert-Butylbenzene
 - trans-1,3-Dichloropropene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

Batch Comments:

The continuing calibration verification was below the method acceptance limit for chloromethane, bromomethane, and chloroethane. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- QC Batch: 777880

The continuing calibration verification was below the method acceptance limit for dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, chloroethane and acetone. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

- QC Batch: 778249

Analyte Comments:

QC Batch: 777880

1M: Analyte not detected when reported to the MDL.

- RW-211006-KJ-01 (Lab ID: 10582258001)
 - 1,1-Dichloroethane
 - Vinyl chloride
- RW-211006-KJ-02 (Lab ID: 10582258002)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-03 (Lab ID: 10582258003)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-04 (Lab ID: 10582258004)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-05 (Lab ID: 10582258005)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-06 (Lab ID: 10582258006)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-07 (Lab ID: 10582258007)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-08 (Lab ID: 10582258008)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-09 (Lab ID: 10582258009)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

Analyte Comments:

QC Batch: 777880

1M: Analyte not detected when reported to the MDL.

- RW-211006-KJ-09 (Lab ID: 10582258009)
 - Vinyl chloride
- RW-211006-KJ-10 (Lab ID: 10582258010)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-11 (Lab ID: 10582258011)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-12 (Lab ID: 10582258012)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-13 (Lab ID: 10582258013)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-14 (Lab ID: 10582258014)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-15 (Lab ID: 10582258015)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-16 (Lab ID: 10582258016)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-17 (Lab ID: 10582258017)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-18 (Lab ID: 10582258018)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride

- RW-211006-KJ-07 (Lab ID: 10582258007)
 - Vinyl chloride

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

Analyte Comments:

QC Batch: 778249

1M: Analyte not detected when reported to the MDL.

- RW-211006-KJ-19 (Lab ID: 10582258019)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-20 (Lab ID: 10582258020)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211006-KJ-21 (Lab ID: 10582258021)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211007-KJ-22 (Lab ID: 10582258023)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211007-KJ-23 (Lab ID: 10582258024)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211007-KJ-24 (Lab ID: 10582258025)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211007-KJ-25 (Lab ID: 10582258026)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211007-KJ-26 (Lab ID: 10582258027)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211007-KJ-27 (Lab ID: 10582258028)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211007-KJ-28 (Lab ID: 10582258029)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211007-KJ-29 (Lab ID: 10582258030)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 8260D

Description: 8260D MSV Low Level

Client: GHD

Date: November 01, 2021

Analyte Comments:

QC Batch: 778249

1M: Analyte not detected when reported to the MDL.

- RW-211007-KJ-29 (Lab ID: 10582258030)
 - Vinyl chloride
- RW-211007-KJ-30 (Lab ID: 10582258031)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- RW-211007-KJ-31 (Lab ID: 10582258032)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- TRIP BLANK #1 (Lab ID: 10582258022)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- TRIP BLANK #2 (Lab ID: 10582258033)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride

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PROJECT NARRATIVE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Method: EPA 300.0

Description: 300.0 IC Anions

Client: GHD

Date: November 01, 2021

General Information:

31 samples were analyzed for EPA 300.0 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 776442

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10582258001,10582258007

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 4136284)
 - Chloride
- MS (Lab ID: 4136286)
 - Chloride
- MSD (Lab ID: 4136285)
 - Chloride
- MSD (Lab ID: 4136287)
 - Chloride

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-01	Lab ID: 10582258001	Collected: 10/06/21 10:39	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 17:10	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 17:10	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 17:10	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 17:10	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 17:10	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 17:10	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 17:10	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 17:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 17:10	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 17:10	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 17:10	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 17:10	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 17:10	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 17:10	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 17:10	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 17:10	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 17:10	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 17:10	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 17:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 17:10	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 17:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 17:10	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 17:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 17:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 17:10	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 17:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 17:10	75-35-4	
cis-1,2-Dichloroethene	0.22J	ug/L	0.50	1		10/19/21 17:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 17:10	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 17:10	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 17:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 17:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 17:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 17:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 17:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 17:10	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 17:10	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 17:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 17:10	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 17:10	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 17:10	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 17:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 17:10	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-01	Lab ID: 10582258001	Collected: 10/06/21 10:39	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 17:10	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 17:10	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 17:10	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 17:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 17:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 17:10	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 17:10	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 17:10	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 17:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 17:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 17:10	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 17:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 17:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 17:10	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 17:10	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 17:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 17:10	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 17:10	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 17:10	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 17:10	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 17:10	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	103	%	70-130	1		10/19/21 17:10	2199-69-1	
4-Bromofluorobenzene (S)	100	%	75-125	1		10/19/21 17:10	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/19/21 17:10	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	42.0	mg/L	1.2	1		10/13/21 22:44	16887-00-6	M1

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-02	Lab ID: 10582258002	Collected: 10/06/21 10:50	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 17:28	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 17:28	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 17:28	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 17:28	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 17:28	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 17:28	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 17:28	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 17:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 17:28	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 17:28	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 17:28	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 17:28	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 17:28	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 17:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 17:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 17:28	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 17:28	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 17:28	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 17:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 17:28	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 17:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 17:28	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 17:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 17:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 17:28	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 17:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 17:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 17:28	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 17:28	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 17:28	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 17:28	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 17:28	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 17:28	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 17:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 17:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 17:28	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 17:28	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 17:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 17:28	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 17:28	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 17:28	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 17:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 17:28	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-02	Lab ID: 10582258002	Collected: 10/06/21 10:50	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 17:28	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 17:28	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 17:28	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 17:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 17:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 17:28	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 17:28	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 17:28	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 17:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 17:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 17:28	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 17:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 17:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 17:28	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 17:28	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 17:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 17:28	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 17:28	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 17:28	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 17:28	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 17:28	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/19/21 17:28	2199-69-1	
4-Bromofluorobenzene (S)	101	%	75-125	1		10/19/21 17:28	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/19/21 17:28	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	33.2	mg/L	1.2	1		10/13/21 23:49	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-03	Lab ID: 10582258003	Collected: 10/06/21 10:51	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 17:46	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 17:46	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 17:46	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 17:46	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 17:46	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 17:46	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 17:46	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 17:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 17:46	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 17:46	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 17:46	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 17:46	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 17:46	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 17:46	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 17:46	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 17:46	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 17:46	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 17:46	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 17:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 17:46	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 17:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 17:46	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 17:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 17:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 17:46	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 17:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 17:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 17:46	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 17:46	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 17:46	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 17:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 17:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 17:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 17:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 17:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 17:46	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 17:46	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 17:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 17:46	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 17:46	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 17:46	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 17:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 17:46	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-03	Lab ID: 10582258003	Collected: 10/06/21 10:51	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 17:46	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 17:46	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 17:46	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 17:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 17:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 17:46	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 17:46	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 17:46	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 17:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 17:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 17:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 17:46	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 17:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 17:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 17:46	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 17:46	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 17:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 17:46	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 17:46	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 17:46	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 17:46	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 17:46	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/19/21 17:46	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 17:46	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/19/21 17:46	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	32.9	mg/L	1.2	1		10/14/21 00:19	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-04	Lab ID: 10582258004	Collected: 10/06/21 11:14	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 18:04	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 18:04	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 18:04	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 18:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 18:04	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 18:04	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 18:04	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 18:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 18:04	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:04	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:04	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:04	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 18:04	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 18:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 18:04	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 18:04	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 18:04	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 18:04	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 18:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 18:04	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 18:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 18:04	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 18:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 18:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 18:04	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 18:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:04	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:04	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 18:04	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 18:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 18:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 18:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:04	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 18:04	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 18:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 18:04	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 18:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 18:04	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 18:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 18:04	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-04	Lab ID: 10582258004	Collected: 10/06/21 11:14	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 18:04	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 18:04	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 18:04	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 18:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 18:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 18:04	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 18:04	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 18:04	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 18:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 18:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 18:04	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 18:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 18:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 18:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 18:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 18:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 18:04	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 18:04	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 18:04	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 18:04	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 18:04	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	102	%	70-130	1		10/19/21 18:04	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 18:04	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/19/21 18:04	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	ND	mg/L	1.2	1		10/14/21 00:35	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-05	Lab ID: 10582258005	Collected: 10/06/21 11:16	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 18:22	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 18:22	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 18:22	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 18:22	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 18:22	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 18:22	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 18:22	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 18:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 18:22	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:22	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:22	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:22	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 18:22	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 18:22	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 18:22	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 18:22	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 18:22	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 18:22	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 18:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 18:22	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 18:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 18:22	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 18:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 18:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 18:22	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 18:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:22	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:22	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 18:22	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 18:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 18:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 18:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:22	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 18:22	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 18:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 18:22	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 18:22	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 18:22	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 18:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 18:22	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-05 **Lab ID: 10582258005** Collected: 10/06/21 11:16 Received: 10/07/21 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8260D MSV Low Level

Analytical Method: EPA 8260D
Pace Analytical Services - Minneapolis

Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 18:22	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 18:22	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 18:22	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 18:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 18:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 18:22	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 18:22	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 18:22	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 18:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 18:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 18:22	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 18:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 18:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 18:22	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 18:22	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 18:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 18:22	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 18:22	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 18:22	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 18:22	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 18:22	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/19/21 18:22	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 18:22	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/19/21 18:22	2037-26-5	

300.0 IC Anions

Analytical Method: EPA 300.0
Pace Analytical Services - Minneapolis

Chloride	40.2	mg/L	1.2	1		10/14/21 00:50	16887-00-6	
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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-06	Lab ID: 10582258006	Collected: 10/06/21 11:30	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 18:40	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 18:40	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 18:40	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 18:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 18:40	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 18:40	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 18:40	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 18:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 18:40	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:40	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:40	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:40	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 18:40	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 18:40	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 18:40	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 18:40	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 18:40	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 18:40	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 18:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 18:40	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 18:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 18:40	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 18:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 18:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 18:40	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 18:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:40	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:40	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 18:40	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 18:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 18:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 18:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:40	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 18:40	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 18:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 18:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 18:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 18:40	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 18:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 18:40	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-06	Lab ID: 10582258006	Collected: 10/06/21 11:30	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 18:40	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 18:40	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 18:40	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 18:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 18:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 18:40	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 18:40	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 18:40	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 18:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 18:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 18:40	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 18:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 18:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 18:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 18:40	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 18:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 18:40	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 18:40	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 18:40	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 18:40	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 18:40	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/19/21 18:40	2199-69-1	
4-Bromofluorobenzene (S)	100	%	75-125	1		10/19/21 18:40	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/19/21 18:40	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	28.0	mg/L	1.2	1		10/14/21 01:05	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-07	Lab ID: 10582258007	Collected: 10/06/21 11:45	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 18:58	67-64-1	M1,R1
Allyl chloride	ND	ug/L	4.0	1		10/19/21 18:58	107-05-1	M1,R1
Benzene	ND	ug/L	0.50	1		10/19/21 18:58	71-43-2	M1,R1
Bromobenzene	ND	ug/L	0.50	1		10/19/21 18:58	108-86-1	M1,R1
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 18:58	74-97-5	M1,R1
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 18:58	75-27-4	M1,R1
Bromoform	ND	ug/L	4.0	1		10/19/21 18:58	75-25-2	M1,R1
Bromomethane	ND	ug/L	4.0	1		10/19/21 18:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 18:58	78-93-3	M1,R1
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:58	104-51-8	M1,R1
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:58	135-98-8	M1,R1
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 18:58	98-06-6	M1,R1
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 18:58	56-23-5	M1,R1
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 18:58	108-90-7	M1,R1
Chloroethane	ND	ug/L	1.0	1		10/19/21 18:58	75-00-3	M1
Chloroform	ND	ug/L	1.0	1		10/19/21 18:58	67-66-3	M1,R1
Chloromethane	ND	ug/L	4.0	1		10/19/21 18:58	74-87-3	M1
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 18:58	95-49-8	M1,R1
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 18:58	106-43-4	M1,R1
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 18:58	96-12-8	M1,R1
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 18:58	124-48-1	M1,R1
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 18:58	106-93-4	M1,R1
Dibromomethane	ND	ug/L	1.0	1		10/19/21 18:58	74-95-3	M1,R1
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:58	95-50-1	M1,R1
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:58	541-73-1	M1,R1
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:58	106-46-7	M1,R1
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 18:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 18:58	75-34-3	1M,M1, R1
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 18:58	107-06-2	M1,R1
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:58	75-35-4	R1
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:58	156-59-2	1M,M1, R1
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 18:58	156-60-5	M1,R1
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 18:58	75-43-4	M1
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 18:58	78-87-5	M1,R1
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 18:58	142-28-9	M1,R1
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 18:58	594-20-7	M1,R1
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:58	563-58-6	M1,R1
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:58	10061-01-5	M1,R1
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 18:58	10061-02-6	M1,R1
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 18:58	60-29-7	M1,R1
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 18:58	100-41-4	M1,R1
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 18:58	87-68-3	M1,R1
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 18:58	98-82-8	M1,R1
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 18:58	99-87-6	M1,R1

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-07	Lab ID: 10582258007	Collected: 10/06/21 11:45	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 18:58	75-09-2	M1,R1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 18:58	108-10-1	M1,R1
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 18:58	1634-04-4	M1,R1
Naphthalene	ND	ug/L	1.0	1		10/19/21 18:58	91-20-3	M1,R1
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 18:58	103-65-1	M1,R1
Styrene	ND	ug/L	0.50	1		10/19/21 18:58	100-42-5	M1,R1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 18:58	630-20-6	M1,R1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 18:58	79-34-5	M1,R1
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 18:58	127-18-4	M1,R1
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 18:58	109-99-9	M1,R1
Toluene	ND	ug/L	0.50	1		10/19/21 18:58	108-88-3	M1,R1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:58	87-61-6	M1,R1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 18:58	120-82-1	M1,R1
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 18:58	71-55-6	M1,R1
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 18:58	79-00-5	M1,R1
Trichloroethene	ND	ug/L	0.40	1		10/19/21 18:58	79-01-6	M1,R1
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 18:58	75-69-4	M1
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 18:58	96-18-4	M1,R1
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 18:58	76-13-1	M1,R1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 18:58	95-63-6	M1,R1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 18:58	108-67-8	M1,R1
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 18:58	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 18:58	1330-20-7	MS,RS
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 18:58	179601-23-1	M1,R1
o-Xylene	ND	ug/L	0.50	1		10/19/21 18:58	95-47-6	M1,R1
Surrogates								
1,2-Dichlorobenzene-d4 (S)	103	%	70-130	1		10/19/21 18:58	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 18:58	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/19/21 18:58	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	40.5	mg/L	1.2	1		10/14/21 02:05	16887-00-6	M1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-08	Lab ID: 10582258008	Collected: 10/06/21 12:00	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 19:17	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 19:17	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 19:17	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 19:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 19:17	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 19:17	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 19:17	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 19:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 19:17	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 19:17	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 19:17	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 19:17	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 19:17	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 19:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 19:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 19:17	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 19:17	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 19:17	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 19:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 19:17	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 19:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 19:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 19:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 19:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 19:17	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 19:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 19:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 19:17	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 19:17	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 19:17	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 19:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 19:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 19:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 19:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 19:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 19:17	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 19:17	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 19:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 19:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 19:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 19:17	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 19:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 19:17	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-08	Lab ID: 10582258008	Collected: 10/06/21 12:00	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 19:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 19:17	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 19:17	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 19:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 19:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 19:17	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 19:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 19:17	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 19:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 19:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 19:17	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 19:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 19:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 19:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 19:17	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 19:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 19:17	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 19:17	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 19:17	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 19:17	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 19:17	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	102	%	70-130	1		10/19/21 19:17	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 19:17	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/19/21 19:17	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	26.5	mg/L	1.2	1		10/14/21 01:20	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-09	Lab ID: 10582258009	Collected: 10/06/21 12:15	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 19:35	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 19:35	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 19:35	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 19:35	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 19:35	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 19:35	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 19:35	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 19:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 19:35	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 19:35	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 19:35	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 19:35	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 19:35	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 19:35	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 19:35	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 19:35	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 19:35	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 19:35	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 19:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 19:35	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 19:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 19:35	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 19:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 19:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 19:35	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 19:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 19:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 19:35	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 19:35	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 19:35	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 19:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 19:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 19:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 19:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 19:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 19:35	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 19:35	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 19:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 19:35	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 19:35	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 19:35	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 19:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 19:35	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-09	Lab ID: 10582258009	Collected: 10/06/21 12:15	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 19:35	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 19:35	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 19:35	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 19:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 19:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 19:35	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 19:35	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 19:35	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 19:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 19:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 19:35	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 19:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 19:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 19:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 19:35	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 19:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 19:35	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 19:35	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 19:35	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 19:35	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 19:35	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	102	%	70-130	1		10/19/21 19:35	2199-69-1	
4-Bromofluorobenzene (S)	102	%	75-125	1		10/19/21 19:35	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/19/21 19:35	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	36.8	mg/L	1.2	1		10/14/21 03:10	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-10	Lab ID: 10582258010	Collected: 10/06/21 12:30	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 19:53	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 19:53	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 19:53	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 19:53	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 19:53	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 19:53	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 19:53	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 19:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 19:53	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 19:53	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 19:53	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 19:53	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 19:53	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 19:53	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 19:53	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 19:53	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 19:53	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 19:53	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 19:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 19:53	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 19:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 19:53	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 19:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 19:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 19:53	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 19:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 19:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 19:53	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 19:53	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 19:53	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 19:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 19:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 19:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 19:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 19:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 19:53	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 19:53	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 19:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 19:53	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 19:53	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 19:53	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 19:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 19:53	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-10	Lab ID: 10582258010	Collected: 10/06/21 12:30	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 19:53	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 19:53	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 19:53	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 19:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 19:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 19:53	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 19:53	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 19:53	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 19:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 19:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 19:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 19:53	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 19:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 19:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 19:53	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 19:53	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 19:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 19:53	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 19:53	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 19:53	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 19:53	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 19:53	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	103	%	70-130	1		10/19/21 19:53	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 19:53	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/19/21 19:53	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	35.5	mg/L	1.2	1		10/14/21 03:25	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-11	Lab ID: 10582258011	Collected: 10/06/21 12:40	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 20:11	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 20:11	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 20:11	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 20:11	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 20:11	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 20:11	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 20:11	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 20:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 20:11	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 20:11	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 20:11	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 20:11	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 20:11	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 20:11	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 20:11	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 20:11	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 20:11	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 20:11	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 20:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 20:11	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 20:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 20:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 20:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 20:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 20:11	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 20:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 20:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 20:11	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 20:11	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 20:11	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 20:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 20:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 20:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 20:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 20:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 20:11	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 20:11	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 20:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 20:11	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 20:11	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 20:11	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 20:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 20:11	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-11	Lab ID: 10582258011	Collected: 10/06/21 12:40	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 20:11	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 20:11	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 20:11	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 20:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 20:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 20:11	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 20:11	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 20:11	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 20:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 20:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 20:11	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 20:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 20:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 20:11	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 20:11	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 20:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 20:11	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 20:11	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 20:11	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 20:11	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 20:11	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	103	%	70-130	1		10/19/21 20:11	2199-69-1	
4-Bromofluorobenzene (S)	98	%	75-125	1		10/19/21 20:11	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/19/21 20:11	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	43.6	mg/L	1.2	1		10/14/21 03:40	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-12	Lab ID: 10582258012	Collected: 10/06/21 12:55	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 20:29	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 20:29	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 20:29	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 20:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 20:29	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 20:29	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 20:29	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 20:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 20:29	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 20:29	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 20:29	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 20:29	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 20:29	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 20:29	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 20:29	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 20:29	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 20:29	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 20:29	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 20:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 20:29	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 20:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 20:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 20:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 20:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 20:29	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 20:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 20:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 20:29	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 20:29	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 20:29	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 20:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 20:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 20:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 20:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 20:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 20:29	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 20:29	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 20:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 20:29	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 20:29	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 20:29	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 20:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 20:29	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: RW-211006-KJ-12		Lab ID: 10582258012		Collected: 10/06/21 12:55	Received: 10/07/21 12:30	Matrix: Water		
8260D MSV Low Level Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis								
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 20:29	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 20:29	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 20:29	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 20:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 20:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 20:29	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 20:29	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 20:29	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 20:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 20:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 20:29	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 20:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 20:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 20:29	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 20:29	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 20:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 20:29	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 20:29	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 20:29	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 20:29	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 20:29	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	103	%	70-130	1		10/19/21 20:29	2199-69-1	
4-Bromofluorobenzene (S)	98	%	75-125	1		10/19/21 20:29	460-00-4	
Toluene-d8 (S)	95	%	75-125	1		10/19/21 20:29	2037-26-5	
300.0 IC Anions								
Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis								
Chloride	29.8	mg/L	1.2	1		10/14/21 03:56	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-13	Lab ID: 10582258013	Collected: 10/06/21 13:10	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 20:47	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 20:47	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 20:47	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 20:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 20:47	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 20:47	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 20:47	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 20:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 20:47	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 20:47	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 20:47	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 20:47	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 20:47	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 20:47	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 20:47	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 20:47	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 20:47	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 20:47	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 20:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 20:47	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 20:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 20:47	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 20:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 20:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 20:47	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 20:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 20:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 20:47	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 20:47	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 20:47	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 20:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 20:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 20:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 20:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 20:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 20:47	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 20:47	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 20:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 20:47	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 20:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 20:47	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 20:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 20:47	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-13	Lab ID: 10582258013	Collected: 10/06/21 13:10	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 20:47	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 20:47	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 20:47	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 20:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 20:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 20:47	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 20:47	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 20:47	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 20:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 20:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 20:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 20:47	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 20:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 20:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 20:47	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 20:47	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 20:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 20:47	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 20:47	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 20:47	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 20:47	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 20:47	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/19/21 20:47	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 20:47	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/19/21 20:47	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	30.9	mg/L	1.2	1		10/14/21 04:11	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-14	Lab ID: 10582258014	Collected: 10/06/21 13:18	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 21:05	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 21:05	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 21:05	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 21:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 21:05	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 21:05	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 21:05	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 21:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 21:05	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:05	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:05	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:05	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 21:05	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 21:05	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 21:05	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 21:05	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 21:05	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 21:05	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 21:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 21:05	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 21:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 21:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 21:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 21:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 21:05	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 21:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:05	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:05	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 21:05	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 21:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 21:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 21:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:05	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 21:05	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 21:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 21:05	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 21:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 21:05	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 21:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 21:05	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-14	Lab ID: 10582258014	Collected: 10/06/21 13:18	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 21:05	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 21:05	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 21:05	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 21:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 21:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 21:05	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 21:05	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 21:05	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 21:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 21:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 21:05	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 21:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 21:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 21:05	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 21:05	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 21:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 21:05	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 21:05	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 21:05	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 21:05	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 21:05	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/19/21 21:05	2199-69-1	
4-Bromofluorobenzene (S)	100	%	75-125	1		10/19/21 21:05	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/19/21 21:05	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	38.3	mg/L	1.2	1		10/14/21 04:26	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-15	Lab ID: 10582258015	Collected: 10/06/21 13:20	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 21:23	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 21:23	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 21:23	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 21:23	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 21:23	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 21:23	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 21:23	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 21:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 21:23	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:23	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:23	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:23	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 21:23	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 21:23	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 21:23	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 21:23	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 21:23	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 21:23	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 21:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 21:23	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 21:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 21:23	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 21:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 21:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 21:23	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 21:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:23	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:23	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 21:23	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 21:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 21:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 21:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:23	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 21:23	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 21:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 21:23	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 21:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 21:23	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 21:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 21:23	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-15	Lab ID: 10582258015	Collected: 10/06/21 13:20	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 21:23	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 21:23	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 21:23	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 21:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 21:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 21:23	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 21:23	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 21:23	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 21:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 21:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 21:23	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 21:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 21:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 21:23	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 21:23	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 21:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 21:23	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 21:23	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 21:23	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 21:23	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 21:23	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/19/21 21:23	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 21:23	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/19/21 21:23	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	38.6	mg/L	1.2	1		10/14/21 04:41	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-16	Lab ID: 10582258016	Collected: 10/06/21 13:35	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 21:41	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 21:41	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 21:41	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 21:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 21:41	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 21:41	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 21:41	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 21:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 21:41	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:41	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:41	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:41	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 21:41	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 21:41	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 21:41	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 21:41	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 21:41	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 21:41	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 21:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 21:41	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 21:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 21:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 21:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 21:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 21:41	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 21:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:41	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:41	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 21:41	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 21:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 21:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 21:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:41	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 21:41	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 21:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 21:41	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 21:41	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 21:41	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 21:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 21:41	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-16	Lab ID: 10582258016	Collected: 10/06/21 13:35	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 21:41	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 21:41	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 21:41	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 21:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 21:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 21:41	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 21:41	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 21:41	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 21:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 21:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 21:41	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 21:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 21:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 21:41	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 21:41	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 21:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 21:41	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 21:41	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 21:41	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 21:41	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 21:41	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	102	%	70-130	1		10/19/21 21:41	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 21:41	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/19/21 21:41	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	ND	mg/L	1.2	1		10/14/21 05:26	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-17	Lab ID: 10582258017	Collected: 10/06/21 13:40	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 21:59	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 21:59	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 21:59	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 21:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 21:59	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 21:59	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 21:59	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 21:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 21:59	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:59	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:59	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 21:59	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 21:59	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 21:59	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 21:59	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 21:59	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 21:59	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 21:59	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 21:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 21:59	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 21:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 21:59	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 21:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 21:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 21:59	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 21:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:59	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 21:59	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 21:59	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 21:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 21:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 21:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 21:59	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 21:59	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 21:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 21:59	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 21:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 21:59	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 21:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 21:59	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-17	Lab ID: 10582258017	Collected: 10/06/21 13:40	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 21:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 21:59	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 21:59	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 21:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 21:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 21:59	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 21:59	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 21:59	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 21:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 21:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 21:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 21:59	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 21:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 21:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 21:59	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 21:59	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 21:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 21:59	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 21:59	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 21:59	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 21:59	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 21:59	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/19/21 21:59	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 21:59	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/19/21 21:59	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	29.4	mg/L	1.2	1		10/14/21 05:41	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-18	Lab ID: 10582258018	Collected: 10/06/21 13:55	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/19/21 22:18	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/19/21 22:18	107-05-1	
Benzene	ND	ug/L	0.50	1		10/19/21 22:18	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/19/21 22:18	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/19/21 22:18	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/19/21 22:18	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/19/21 22:18	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/19/21 22:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/19/21 22:18	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/19/21 22:18	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/19/21 22:18	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/19/21 22:18	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/19/21 22:18	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/19/21 22:18	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/19/21 22:18	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/19/21 22:18	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/19/21 22:18	74-87-3	
2-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 22:18	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/19/21 22:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/19/21 22:18	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/19/21 22:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/19/21 22:18	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/19/21 22:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 22:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 22:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/19/21 22:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/19/21 22:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/19/21 22:18	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/19/21 22:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/19/21 22:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 22:18	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/19/21 22:18	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 22:18	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/19/21 22:18	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/19/21 22:18	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/19/21 22:18	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/19/21 22:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 22:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/19/21 22:18	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/19/21 22:18	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/19/21 22:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/19/21 22:18	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/19/21 22:18	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/19/21 22:18	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/19/21 22:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/19/21 22:18	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-18	Lab ID: 10582258018	Collected: 10/06/21 13:55	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/19/21 22:18	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/19/21 22:18	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/19/21 22:18	103-65-1	
Styrene	ND	ug/L	0.50	1		10/19/21 22:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 22:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/19/21 22:18	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/19/21 22:18	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/19/21 22:18	109-99-9	
Toluene	ND	ug/L	0.50	1		10/19/21 22:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 22:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/19/21 22:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/19/21 22:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/19/21 22:18	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/19/21 22:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/19/21 22:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/19/21 22:18	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/19/21 22:18	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 22:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/19/21 22:18	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/19/21 22:18	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/19/21 22:18	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/19/21 22:18	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/19/21 22:18	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/19/21 22:18	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/19/21 22:18	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/19/21 22:18	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	33.4	mg/L	1.2	1		10/14/21 05:57	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-19	Lab ID: 10582258019	Collected: 10/06/21 14:14	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 16:36	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 16:36	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 16:36	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 16:36	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 16:36	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 16:36	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 16:36	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 16:36	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 16:36	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 16:36	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 16:36	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 16:36	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 16:36	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 16:36	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 16:36	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 16:36	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 16:36	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 16:36	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 16:36	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 16:36	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 16:36	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 16:36	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 16:36	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:36	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:36	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:36	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 16:36	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 16:36	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 16:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 16:36	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 16:36	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 16:36	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 16:36	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 16:36	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 16:36	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 16:36	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 16:36	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 16:36	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 16:36	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 16:36	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 16:36	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 16:36	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 16:36	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 16:36	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 16:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 16:36	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-19 **Lab ID:** 10582258019 Collected: 10/06/21 14:14 Received: 10/07/21 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 16:36	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 16:36	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 16:36	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 16:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 16:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 16:36	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 16:36	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 16:36	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 16:36	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:36	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:36	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 16:36	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 16:36	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 16:36	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 16:36	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 16:36	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 16:36	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 16:36	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 16:36	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 16:36	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 16:36	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 16:36	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 16:36	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/20/21 16:36	2199-69-1	
4-Bromofluorobenzene (S)	101	%	75-125	1		10/20/21 16:36	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/20/21 16:36	2037-26-5	

300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	15.6	mg/L	1.2	1		10/14/21 06:12	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-20	Lab ID: 10582258020	Collected: 10/06/21 14:02	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 16:54	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 16:54	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 16:54	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 16:54	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 16:54	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 16:54	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 16:54	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 16:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 16:54	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 16:54	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 16:54	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 16:54	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 16:54	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 16:54	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 16:54	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 16:54	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 16:54	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 16:54	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 16:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 16:54	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 16:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 16:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 16:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 16:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 16:54	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 16:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 16:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 16:54	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 16:54	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 16:54	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 16:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 16:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 16:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 16:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 16:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 16:54	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 16:54	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 16:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 16:54	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 16:54	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 16:54	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 16:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 16:54	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-20	Lab ID: 10582258020	Collected: 10/06/21 14:02	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 16:54	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 16:54	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 16:54	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 16:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 16:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 16:54	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 16:54	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 16:54	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 16:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 16:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 16:54	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 16:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 16:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 16:54	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 16:54	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 16:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 16:54	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 16:54	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 16:54	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 16:54	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 16:54	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	102	%	70-130	1		10/20/21 16:54	2199-69-1	
4-Bromofluorobenzene (S)	100	%	75-125	1		10/20/21 16:54	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/20/21 16:54	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	40.7	mg/L	1.2	1		10/14/21 06:27	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-21	Lab ID: 10582258021	Collected: 10/06/21 14:42	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 17:12	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 17:12	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 17:12	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 17:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 17:12	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 17:12	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 17:12	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 17:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 17:12	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 17:12	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 17:12	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 17:12	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 17:12	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 17:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 17:12	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 17:12	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 17:12	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 17:12	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 17:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 17:12	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 17:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 17:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 17:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 17:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 17:12	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 17:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 17:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 17:12	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 17:12	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 17:12	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 17:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 17:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 17:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 17:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 17:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 17:12	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 17:12	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 17:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 17:12	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 17:12	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 17:12	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 17:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 17:12	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211006-KJ-21	Lab ID: 10582258021	Collected: 10/06/21 14:42	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 17:12	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 17:12	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 17:12	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 17:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 17:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 17:12	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 17:12	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 17:12	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 17:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 17:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 17:12	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 17:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 17:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 17:12	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 17:12	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 17:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 17:12	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 17:12	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 17:12	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 17:12	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 17:12	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	102	%	70-130	1		10/20/21 17:12	2199-69-1	
4-Bromofluorobenzene (S)	100	%	75-125	1		10/20/21 17:12	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/20/21 17:12	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	41.1	mg/L	1.2	1		10/14/21 22:39	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: TRIP BLANK #1	Lab ID: 10582258022	Collected: 10/06/21 00:00	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 15:59	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 15:59	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 15:59	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 15:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 15:59	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 15:59	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 15:59	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 15:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 15:59	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 15:59	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 15:59	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 15:59	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 15:59	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 15:59	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 15:59	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 15:59	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 15:59	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 15:59	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 15:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 15:59	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 15:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 15:59	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 15:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 15:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 15:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 15:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 15:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 15:59	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 15:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 15:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 15:59	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 15:59	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 15:59	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 15:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 15:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 15:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 15:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 15:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 15:59	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 15:59	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 15:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 15:59	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 15:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 15:59	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 15:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 15:59	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: TRIP BLANK #1	Lab ID: 10582258022	Collected: 10/06/21 00:00	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 15:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 15:59	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 15:59	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 15:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 15:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 15:59	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 15:59	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 15:59	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 15:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 15:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 15:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 15:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 15:59	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 15:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 15:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 15:59	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 15:59	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 15:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 15:59	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 15:59	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 15:59	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 15:59	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 15:59	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%.	70-130	1		10/20/21 15:59	2199-69-1	
4-Bromofluorobenzene (S)	103	%.	75-125	1		10/20/21 15:59	460-00-4	
Toluene-d8 (S)	93	%.	75-125	1		10/20/21 15:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-22	Lab ID: 10582258023	Collected: 10/07/21 09:45	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 17:30	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 17:30	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 17:30	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 17:30	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 17:30	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 17:30	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 17:30	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 17:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 17:30	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 17:30	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 17:30	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 17:30	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 17:30	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 17:30	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 17:30	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 17:30	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 17:30	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 17:30	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 17:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 17:30	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 17:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 17:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 17:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 17:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 17:30	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 17:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 17:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 17:30	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 17:30	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 17:30	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 17:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 17:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 17:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 17:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 17:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 17:30	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 17:30	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 17:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 17:30	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 17:30	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 17:30	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 17:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 17:30	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-22	Lab ID: 10582258023	Collected: 10/07/21 09:45	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 17:30	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 17:30	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 17:30	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 17:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 17:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 17:30	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 17:30	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 17:30	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 17:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 17:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 17:30	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 17:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 17:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 17:30	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 17:30	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 17:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 17:30	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 17:30	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 17:30	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 17:30	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 17:30	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/20/21 17:30	2199-69-1	
4-Bromofluorobenzene (S)	103	%	75-125	1		10/20/21 17:30	460-00-4	
Toluene-d8 (S)	92	%	75-125	1		10/20/21 17:30	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	59.4	mg/L	1.2	1		10/14/21 22:54	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-23	Lab ID: 10582258024	Collected: 10/07/21 09:46	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 17:49	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 17:49	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 17:49	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 17:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 17:49	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 17:49	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 17:49	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 17:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 17:49	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 17:49	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 17:49	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 17:49	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 17:49	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 17:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 17:49	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 17:49	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 17:49	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 17:49	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 17:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 17:49	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 17:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 17:49	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 17:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 17:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 17:49	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 17:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 17:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 17:49	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 17:49	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 17:49	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 17:49	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 17:49	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 17:49	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 17:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 17:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 17:49	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 17:49	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 17:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 17:49	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 17:49	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 17:49	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 17:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 17:49	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-23	Lab ID: 10582258024	Collected: 10/07/21 09:46	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 17:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 17:49	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 17:49	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 17:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 17:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 17:49	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 17:49	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 17:49	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 17:49	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:49	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 17:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 17:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 17:49	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 17:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 17:49	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 17:49	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 17:49	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 17:49	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 17:49	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 17:49	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 17:49	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 17:49	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 17:49	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/20/21 17:49	2199-69-1	
4-Bromofluorobenzene (S)	100	%	75-125	1		10/20/21 17:49	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/20/21 17:49	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	59.0	mg/L	1.2	1		10/14/21 23:09	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-24	Lab ID: 10582258025	Collected: 10/07/21 10:15	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 18:07	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 18:07	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 18:07	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 18:07	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 18:07	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 18:07	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 18:07	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 18:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 18:07	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 18:07	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 18:07	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 18:07	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 18:07	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 18:07	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 18:07	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 18:07	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 18:07	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 18:07	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 18:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 18:07	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 18:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 18:07	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 18:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 18:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 18:07	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 18:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 18:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 18:07	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 18:07	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 18:07	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 18:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 18:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 18:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 18:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 18:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 18:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 18:07	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 18:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 18:07	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 18:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 18:07	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 18:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 18:07	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-24	Lab ID: 10582258025	Collected: 10/07/21 10:15	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 18:07	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 18:07	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 18:07	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 18:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 18:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 18:07	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 18:07	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 18:07	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 18:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 18:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 18:07	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 18:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 18:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 18:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 18:07	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 18:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 18:07	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 18:07	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 18:07	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 18:07	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 18:07	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/20/21 18:07	2199-69-1	
4-Bromofluorobenzene (S)	101	%	75-125	1		10/20/21 18:07	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/20/21 18:07	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	ND	mg/L	1.2	1		10/14/21 23:24	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-25	Lab ID: 10582258026	Collected: 10/07/21 10:17	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 18:25	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 18:25	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 18:25	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 18:25	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 18:25	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 18:25	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 18:25	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 18:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 18:25	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 18:25	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 18:25	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 18:25	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 18:25	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 18:25	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 18:25	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 18:25	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 18:25	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 18:25	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 18:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 18:25	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 18:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 18:25	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 18:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 18:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 18:25	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 18:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 18:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 18:25	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 18:25	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 18:25	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 18:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 18:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 18:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 18:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 18:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 18:25	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 18:25	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 18:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 18:25	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 18:25	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 18:25	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 18:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 18:25	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-25	Lab ID: 10582258026	Collected: 10/07/21 10:17	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 18:25	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 18:25	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 18:25	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 18:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 18:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 18:25	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 18:25	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 18:25	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 18:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 18:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 18:25	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 18:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 18:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 18:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 18:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 18:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 18:25	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 18:25	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 18:25	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 18:25	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 18:25	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	103	%	70-130	1		10/20/21 18:25	2199-69-1	
4-Bromofluorobenzene (S)	99	%	75-125	1		10/20/21 18:25	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/20/21 18:25	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	5.1	mg/L	1.2	1		10/14/21 23:39	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-26	Lab ID: 10582258027	Collected: 10/07/21 10:46	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 18:44	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 18:44	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 18:44	71-43-2	M1
Bromobenzene	ND	ug/L	0.50	1		10/20/21 18:44	108-86-1	M1
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 18:44	74-97-5	M1
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 18:44	75-27-4	M1
Bromoform	ND	ug/L	4.0	1		10/20/21 18:44	75-25-2	M1
Bromomethane	ND	ug/L	4.0	1		10/20/21 18:44	74-83-9	M1
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 18:44	78-93-3	M1
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 18:44	104-51-8	M1
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 18:44	135-98-8	M1,R1
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 18:44	98-06-6	M1,R1
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 18:44	56-23-5	M1
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 18:44	108-90-7	M1
Chloroethane	ND	ug/L	1.0	1		10/20/21 18:44	75-00-3	L2,M0
Chloroform	ND	ug/L	1.0	1		10/20/21 18:44	67-66-3	M1
Chloromethane	ND	ug/L	4.0	1		10/20/21 18:44	74-87-3	L2,M0
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 18:44	95-49-8	M1,R1
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 18:44	106-43-4	M1
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 18:44	96-12-8	M1
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 18:44	124-48-1	M1,R1
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 18:44	106-93-4	M1,R1
Dibromomethane	ND	ug/L	1.0	1		10/20/21 18:44	74-95-3	M1
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:44	95-50-1	M1
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:44	541-73-1	M1
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:44	106-46-7	M1
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 18:44	75-71-8	M1
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 18:44	75-34-3	1M,M1
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 18:44	107-06-2	M1
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 18:44	75-35-4	R1
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 18:44	156-59-2	1M,M1
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 18:44	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 18:44	75-43-4	M1
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 18:44	78-87-5	M1,R1
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 18:44	142-28-9	M1,R1
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 18:44	594-20-7	M1
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 18:44	563-58-6	M1,R1
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 18:44	10061-01-5	M1
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 18:44	10061-02-6	M1,R1
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 18:44	60-29-7	M1
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 18:44	100-41-4	M1,R1
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 18:44	87-68-3	M1
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 18:44	98-82-8	M1,R1
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 18:44	99-87-6	M1
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 18:44	75-09-2	M1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 18:44	108-10-1	M1,R1

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: RW-211007-KJ-26		Lab ID: 10582258027		Collected: 10/07/21 10:46	Received: 10/07/21 12:30	Matrix: Water		
8260D MSV Low Level								
Analytical Method: EPA 8260D								
Pace Analytical Services - Minneapolis								
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 18:44	1634-04-4	M1,R1
Naphthalene	ND	ug/L	1.0	1		10/20/21 18:44	91-20-3	M1
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 18:44	103-65-1	M1,R1
Styrene	ND	ug/L	0.50	1		10/20/21 18:44	100-42-5	M1,R1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 18:44	630-20-6	M1,R1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 18:44	79-34-5	M1
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 18:44	127-18-4	M1,R1
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 18:44	109-99-9	M1
Toluene	ND	ug/L	0.50	1		10/20/21 18:44	108-88-3	M1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:44	87-61-6	M1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 18:44	120-82-1	M1
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 18:44	71-55-6	M1,R1
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 18:44	79-00-5	M1
Trichloroethene	ND	ug/L	0.40	1		10/20/21 18:44	79-01-6	M1
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 18:44	75-69-4	M1
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 18:44	96-18-4	M1
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 18:44	76-13-1	M1,R1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 18:44	95-63-6	M1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 18:44	108-67-8	M1
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 18:44	75-01-4	1M,M1
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 18:44	1330-20-7	MS,RS
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 18:44	179601-23-1	M1,R1
o-Xylene	ND	ug/L	0.50	1		10/20/21 18:44	95-47-6	M1,R1
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%	70-130	1		10/20/21 18:44	2199-69-1	
4-Bromofluorobenzene (S)	101	%	75-125	1		10/20/21 18:44	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/20/21 18:44	2037-26-5	
300.0 IC Anions								
Analytical Method: EPA 300.0								
Pace Analytical Services - Minneapolis								
Chloride	6.0	mg/L	1.2	1		10/14/21 23:54	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-27	Lab ID: 10582258028	Collected: 10/07/21 10:51	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 19:02	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 19:02	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 19:02	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 19:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 19:02	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 19:02	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 19:02	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 19:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 19:02	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:02	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:02	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:02	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 19:02	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 19:02	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 19:02	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 19:02	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 19:02	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 19:02	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 19:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 19:02	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 19:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 19:02	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 19:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 19:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 19:02	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 19:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:02	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:02	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 19:02	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 19:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 19:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 19:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:02	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 19:02	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 19:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 19:02	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 19:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 19:02	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 19:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 19:02	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: RW-211007-KJ-27								
Lab ID: 10582258028								
Collected: 10/07/21 10:51								
Received: 10/07/21 12:30								
Matrix: Water								
8260D MSV Low Level								
Analytical Method: EPA 8260D								
Pace Analytical Services - Minneapolis								
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 19:02	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 19:02	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 19:02	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 19:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 19:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 19:02	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 19:02	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 19:02	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 19:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 19:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 19:02	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 19:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 19:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 19:02	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 19:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 19:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 19:02	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 19:02	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 19:02	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 19:02	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 19:02	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/20/21 19:02	2199-69-1	
4-Bromofluorobenzene (S)	103	%	75-125	1		10/20/21 19:02	460-00-4	
Toluene-d8 (S)	93	%	75-125	1		10/20/21 19:02	2037-26-5	
300.0 IC Anions								
Analytical Method: EPA 300.0								
Pace Analytical Services - Minneapolis								
Chloride	7.1	mg/L	1.2	1		10/15/21 00:58	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-28	Lab ID: 10582258029	Collected: 10/07/21 11:22	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 19:20	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 19:20	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 19:20	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 19:20	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 19:20	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 19:20	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 19:20	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 19:20	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 19:20	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:20	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:20	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:20	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 19:20	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 19:20	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 19:20	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 19:20	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 19:20	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 19:20	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 19:20	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 19:20	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 19:20	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 19:20	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 19:20	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:20	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:20	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:20	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 19:20	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 19:20	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 19:20	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:20	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:20	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:20	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 19:20	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 19:20	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 19:20	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 19:20	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:20	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:20	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:20	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 19:20	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 19:20	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 19:20	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 19:20	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 19:20	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 19:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 19:20	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-28	Lab ID: 10582258029	Collected: 10/07/21 11:22	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 19:20	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 19:20	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 19:20	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 19:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 19:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 19:20	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 19:20	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 19:20	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 19:20	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:20	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:20	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 19:20	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 19:20	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 19:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 19:20	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 19:20	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 19:20	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 19:20	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 19:20	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 19:20	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 19:20	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 19:20	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 19:20	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/20/21 19:20	2199-69-1	
4-Bromofluorobenzene (S)	100	%	75-125	1		10/20/21 19:20	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/20/21 19:20	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	30.1	mg/L	1.2	1		10/15/21 01:14	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-29	Lab ID: 10582258030	Collected: 10/07/21 11:27	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 19:38	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 19:38	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 19:38	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 19:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 19:38	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 19:38	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 19:38	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 19:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 19:38	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:38	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:38	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:38	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 19:38	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 19:38	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 19:38	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 19:38	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 19:38	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 19:38	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 19:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 19:38	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 19:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 19:38	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 19:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 19:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 19:38	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 19:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:38	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:38	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 19:38	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 19:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 19:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 19:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:38	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 19:38	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 19:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 19:38	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 19:38	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 19:38	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 19:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 19:38	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-29	Lab ID: 10582258030	Collected: 10/07/21 11:27	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 19:38	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 19:38	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 19:38	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 19:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 19:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 19:38	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 19:38	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 19:38	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 19:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 19:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 19:38	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 19:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 19:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 19:38	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 19:38	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 19:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 19:38	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 19:38	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 19:38	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 19:38	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 19:38	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/20/21 19:38	2199-69-1	
4-Bromofluorobenzene (S)	103	%	75-125	1		10/20/21 19:38	460-00-4	
Toluene-d8 (S)	92	%	75-125	1		10/20/21 19:38	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	137	mg/L	6.0	5		10/15/21 15:49	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-30	Lab ID: 10582258031	Collected: 10/07/21 11:32	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 19:57	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 19:57	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 19:57	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 19:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 19:57	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 19:57	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 19:57	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 19:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 19:57	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:57	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:57	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 19:57	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 19:57	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 19:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 19:57	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 19:57	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 19:57	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 19:57	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 19:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 19:57	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 19:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 19:57	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 19:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 19:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 19:57	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 19:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:57	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 19:57	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 19:57	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 19:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 19:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 19:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 19:57	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 19:57	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 19:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 19:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 19:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 19:57	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 19:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 19:57	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-30 **Lab ID:** 10582258031 Collected: 10/07/21 11:32 Received: 10/07/21 12:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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8260D MSV Low Level

Analytical Method: EPA 8260D
Pace Analytical Services - Minneapolis

Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 19:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 19:57	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 19:57	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 19:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 19:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 19:57	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 19:57	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 19:57	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 19:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 19:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 19:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 19:57	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 19:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 19:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 19:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 19:57	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 19:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 19:57	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 19:57	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 19:57	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 19:57	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 19:57	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	103	%	70-130	1		10/20/21 19:57	2199-69-1	
4-Bromofluorobenzene (S)	102	%	75-125	1		10/20/21 19:57	460-00-4	
Toluene-d8 (S)	92	%	75-125	1		10/20/21 19:57	2037-26-5	

300.0 IC Anions

Analytical Method: EPA 300.0
Pace Analytical Services - Minneapolis

Chloride	12.8	mg/L	1.2	1		10/15/21 02:31	16887-00-6	
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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-31	Lab ID: 10582258032	Collected: 10/07/21 11:57	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 20:15	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 20:15	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 20:15	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 20:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 20:15	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 20:15	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 20:15	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 20:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 20:15	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 20:15	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 20:15	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 20:15	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 20:15	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 20:15	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 20:15	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 20:15	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 20:15	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 20:15	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 20:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 20:15	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 20:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 20:15	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 20:15	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 20:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 20:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 20:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 20:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 20:15	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 20:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 20:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 20:15	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 20:15	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 20:15	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 20:15	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 20:15	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 20:15	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 20:15	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 20:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 20:15	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 20:15	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 20:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 20:15	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 20:15	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 20:15	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 20:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 20:15	108-10-1	

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: RW-211007-KJ-31	Lab ID: 10582258032	Collected: 10/07/21 11:57	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 20:15	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 20:15	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 20:15	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 20:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 20:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 20:15	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 20:15	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 20:15	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 20:15	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 20:15	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 20:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 20:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 20:15	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 20:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 20:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 20:15	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 20:15	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 20:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 20:15	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 20:15	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 20:15	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 20:15	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 20:15	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%	70-130	1		10/20/21 20:15	2199-69-1	
4-Bromofluorobenzene (S)	100	%	75-125	1		10/20/21 20:15	460-00-4	
Toluene-d8 (S)	94	%	75-125	1		10/20/21 20:15	2037-26-5	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	28.5	mg/L	1.2	1		10/15/21 02:47	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: TRIP BLANK #2	Lab ID: 10582258033	Collected: 10/07/21 00:00	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Acetone	ND	ug/L	20.0	1		10/20/21 16:17	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		10/20/21 16:17	107-05-1	
Benzene	ND	ug/L	0.50	1		10/20/21 16:17	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/20/21 16:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/20/21 16:17	74-97-5	
Bromodichloromethane	ND	ug/L	0.50	1		10/20/21 16:17	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/20/21 16:17	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/20/21 16:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/20/21 16:17	78-93-3	
n-Butylbenzene	ND	ug/L	0.50	1		10/20/21 16:17	104-51-8	
sec-Butylbenzene	ND	ug/L	0.50	1		10/20/21 16:17	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/20/21 16:17	98-06-6	
Carbon tetrachloride	ND	ug/L	0.50	1		10/20/21 16:17	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/20/21 16:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/20/21 16:17	75-00-3	L2
Chloroform	ND	ug/L	1.0	1		10/20/21 16:17	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/20/21 16:17	74-87-3	L2
2-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 16:17	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/20/21 16:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/20/21 16:17	96-12-8	
Dibromochloromethane	ND	ug/L	0.50	1		10/20/21 16:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/20/21 16:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		10/20/21 16:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/20/21 16:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	0.50	1		10/20/21 16:17	75-34-3	1M
1,2-Dichloroethane	ND	ug/L	0.50	1		10/20/21 16:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/20/21 16:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 16:17	156-59-2	1M
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/20/21 16:17	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 16:17	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/20/21 16:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/20/21 16:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/20/21 16:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/20/21 16:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 16:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/20/21 16:17	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/20/21 16:17	60-29-7	
Ethylbenzene	ND	ug/L	0.50	1		10/20/21 16:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/20/21 16:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/20/21 16:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	0.50	1		10/20/21 16:17	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		10/20/21 16:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/20/21 16:17	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Sample: TRIP BLANK #2	Lab ID: 10582258033	Collected: 10/07/21 00:00	Received: 10/07/21 12:30	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D MSV Low Level		Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis						
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/20/21 16:17	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		10/20/21 16:17	91-20-3	
n-Propylbenzene	ND	ug/L	0.50	1		10/20/21 16:17	103-65-1	
Styrene	ND	ug/L	0.50	1		10/20/21 16:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 16:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/20/21 16:17	79-34-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/20/21 16:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/20/21 16:17	109-99-9	
Toluene	ND	ug/L	0.50	1		10/20/21 16:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/20/21 16:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/20/21 16:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/20/21 16:17	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		10/20/21 16:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		10/20/21 16:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/20/21 16:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/20/21 16:17	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 16:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/20/21 16:17	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		10/20/21 16:17	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/20/21 16:17	1330-20-7	
m&p-Xylene	ND	ug/L	1.0	1		10/20/21 16:17	179601-23-1	
o-Xylene	ND	ug/L	0.50	1		10/20/21 16:17	95-47-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%.	70-130	1		10/20/21 16:17	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		10/20/21 16:17	460-00-4	
Toluene-d8 (S)	93	%.	75-125	1		10/20/21 16:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

QC Batch:	777880	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260D MSV LL Water
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10582258001, 10582258002, 10582258003, 10582258004, 10582258005, 10582258006, 10582258007, 10582258008, 10582258009, 10582258010, 10582258011, 10582258012, 10582258013, 10582258014, 10582258015, 10582258016, 10582258017, 10582258018

METHOD BLANK: 4143277 Matrix: Water

Associated Lab Samples: 10582258001, 10582258002, 10582258003, 10582258004, 10582258005, 10582258006, 10582258007, 10582258008, 10582258009, 10582258010, 10582258011, 10582258012, 10582258013, 10582258014, 10582258015, 10582258016, 10582258017, 10582258018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	10/19/21 13:50	
1,1,1-Trichloroethane	ug/L	ND	0.50	10/19/21 13:50	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	10/19/21 13:50	
1,1,2-Trichloroethane	ug/L	ND	0.50	10/19/21 13:50	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	10/19/21 13:50	
1,1-Dichloroethane	ug/L	ND	0.50	10/19/21 13:50	
1,1-Dichloroethene	ug/L	ND	0.50	10/19/21 13:50	
1,1-Dichloropropene	ug/L	ND	0.50	10/19/21 13:50	
1,2,3-Trichlorobenzene	ug/L	ND	0.50	10/19/21 13:50	
1,2,3-Trichloropropane	ug/L	ND	4.0	10/19/21 13:50	
1,2,4-Trichlorobenzene	ug/L	ND	0.50	10/19/21 13:50	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	10/19/21 13:50	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	10/19/21 13:50	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	10/19/21 13:50	
1,2-Dichlorobenzene	ug/L	ND	0.50	10/19/21 13:50	
1,2-Dichloroethane	ug/L	ND	0.50	10/19/21 13:50	
1,2-Dichloropropane	ug/L	ND	4.0	10/19/21 13:50	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	10/19/21 13:50	
1,3-Dichlorobenzene	ug/L	ND	0.50	10/19/21 13:50	
1,3-Dichloropropane	ug/L	ND	0.50	10/19/21 13:50	
1,4-Dichlorobenzene	ug/L	ND	0.50	10/19/21 13:50	
2,2-Dichloropropane	ug/L	ND	1.0	10/19/21 13:50	
2-Butanone (MEK)	ug/L	ND	5.0	10/19/21 13:50	
2-Chlorotoluene	ug/L	ND	0.50	10/19/21 13:50	
4-Chlorotoluene	ug/L	ND	0.50	10/19/21 13:50	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/19/21 13:50	
Acetone	ug/L	ND	20.0	10/19/21 13:50	
Allyl chloride	ug/L	ND	4.0	10/19/21 13:50	
Benzene	ug/L	ND	0.50	10/19/21 13:50	
Bromobenzene	ug/L	ND	0.50	10/19/21 13:50	
Bromochloromethane	ug/L	ND	1.0	10/19/21 13:50	
Bromodichloromethane	ug/L	ND	0.50	10/19/21 13:50	
Bromoform	ug/L	ND	4.0	10/19/21 13:50	
Bromomethane	ug/L	ND	4.0	10/19/21 13:50	
Carbon tetrachloride	ug/L	ND	0.50	10/19/21 13:50	
Chlorobenzene	ug/L	ND	0.50	10/19/21 13:50	
Chloroethane	ug/L	ND	1.0	10/19/21 13:50	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

METHOD BLANK: 4143277

Matrix: Water

Associated Lab Samples: 10582258001, 10582258002, 10582258003, 10582258004, 10582258005, 10582258006, 10582258007, 10582258008, 10582258009, 10582258010, 10582258011, 10582258012, 10582258013, 10582258014, 10582258015, 10582258016, 10582258017, 10582258018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	ug/L	ND	1.0	10/19/21 13:50	
Chloromethane	ug/L	ND	4.0	10/19/21 13:50	
cis-1,2-Dichloroethene	ug/L	ND	0.50	10/19/21 13:50	
cis-1,3-Dichloropropene	ug/L	ND	0.50	10/19/21 13:50	
Dibromochloromethane	ug/L	ND	0.50	10/19/21 13:50	
Dibromomethane	ug/L	ND	1.0	10/19/21 13:50	
Dichlorodifluoromethane	ug/L	ND	1.0	10/19/21 13:50	
Dichlorofluoromethane	ug/L	ND	1.0	10/19/21 13:50	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	10/19/21 13:50	
Ethylbenzene	ug/L	ND	0.50	10/19/21 13:50	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	10/19/21 13:50	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	10/19/21 13:50	
m&p-Xylene	ug/L	ND	1.0	10/19/21 13:50	
Methyl-tert-butyl ether	ug/L	ND	0.50	10/19/21 13:50	
Methylene Chloride	ug/L	ND	4.0	10/19/21 13:50	
n-Butylbenzene	ug/L	ND	0.50	10/19/21 13:50	
n-Propylbenzene	ug/L	ND	0.50	10/19/21 13:50	
Naphthalene	ug/L	ND	1.0	10/19/21 13:50	
o-Xylene	ug/L	ND	0.50	10/19/21 13:50	
p-Isopropyltoluene	ug/L	ND	0.50	10/19/21 13:50	
sec-Butylbenzene	ug/L	ND	0.50	10/19/21 13:50	
Styrene	ug/L	ND	0.50	10/19/21 13:50	
tert-Butylbenzene	ug/L	ND	0.50	10/19/21 13:50	
Tetrachloroethene	ug/L	ND	0.50	10/19/21 13:50	
Tetrahydrofuran	ug/L	ND	10.0	10/19/21 13:50	
Toluene	ug/L	ND	0.50	10/19/21 13:50	
trans-1,2-Dichloroethene	ug/L	ND	0.50	10/19/21 13:50	
trans-1,3-Dichloropropene	ug/L	ND	0.50	10/19/21 13:50	
Trichloroethene	ug/L	ND	0.40	10/19/21 13:50	
Trichlorofluoromethane	ug/L	ND	1.0	10/19/21 13:50	MN
Vinyl chloride	ug/L	ND	0.20	10/19/21 13:50	
Xylene (Total)	ug/L	ND	1.5	10/19/21 13:50	
1,2-Dichlorobenzene-d4 (S)	%	102	70-130	10/19/21 13:50	
4-Bromofluorobenzene (S)	%	102	75-125	10/19/21 13:50	
Toluene-d8 (S)	%	93	75-125	10/19/21 13:50	

LABORATORY CONTROL SAMPLE & LCSD: 4143278

4143287

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.7	19.8	98	99	74-125	1	20	
1,1,1-Trichloroethane	ug/L	20	18.3	17.3	91	86	75-125	6	20	
1,1,2,2-Tetrachloroethane	ug/L	20	17.6	17.7	88	89	71-125	1	20	

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

LABORATORY CONTROL SAMPLE & LCSD: 4143278		4143287								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	ug/L	20	19.3	19.0	97	95	75-125	2	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	17.4	15.6	87	78	70-130	11	20	
1,1-Dichloroethane	ug/L	20	17.5	17.0	88	85	67-125	3	20	
1,1-Dichloroethene	ug/L	20	19.6	18.0	98	90	67-125	8	20	
1,1-Dichloropropene	ug/L	20	19.4	18.2	97	91	68-125	7	20	
1,2,3-Trichlorobenzene	ug/L	20	19.9	19.7	99	99	75-125	1	20	
1,2,3-Trichloropropane	ug/L	20	18.1	18.0	90	90	75-125	0	20	
1,2,4-Trichlorobenzene	ug/L	20	19.2	19.4	96	97	71-125	1	20	
1,2,4-Trimethylbenzene	ug/L	20	18.8	18.8	94	94	75-125	0	20	
1,2-Dibromo-3-chloropropane	ug/L	50	45.5	45.4	91	91	68-129	0	20	
1,2-Dibromoethane (EDB)	ug/L	20	20.7	19.8	104	99	73-125	5	20	
1,2-Dichlorobenzene	ug/L	20	18.0	18.0	90	90	75-125	0	20	
1,2-Dichloroethane	ug/L	20	18.2	17.6	91	88	71-125	3	20	
1,2-Dichloropropane	ug/L	20	18.9	18.1	94	91	75-125	4	20	
1,3,5-Trimethylbenzene	ug/L	20	18.6	18.3	93	92	75-125	1	20	
1,3-Dichlorobenzene	ug/L	20	18.8	18.7	94	94	75-125	1	20	
1,3-Dichloropropane	ug/L	20	20.2	19.8	101	99	75-125	2	20	
1,4-Dichlorobenzene	ug/L	20	18.2	18.2	91	91	72-125	0	20	
2,2-Dichloropropane	ug/L	20	18.8	17.9	94	90	68-129	4	20	
2-Butanone (MEK)	ug/L	100	87.3	89.2	87	89	66-127	2	20	
2-Chlorotoluene	ug/L	20	18.4	18.4	92	92	75-125	0	20	
4-Chlorotoluene	ug/L	20	18.7	18.4	93	92	75-125	1	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	88.6	90.9	89	91	70-125	3	20	
Acetone	ug/L	100	73.8	77.6	74	78	45-150	5	20	
Allyl chloride	ug/L	20	17.2	16.1	86	81	65-125	6	20	
Benzene	ug/L	20	18.7	18.0	93	90	71-125	4	20	
Bromobenzene	ug/L	20	18.8	18.9	94	94	72-125	1	20	
Bromochloromethane	ug/L	20	18.2	17.8	91	89	75-125	2	20	
Bromodichloromethane	ug/L	20	18.4	17.6	92	88	75-125	4	20	
Bromoform	ug/L	20	19.7	19.4	98	97	75-127	2	20	
Bromomethane	ug/L	20	13.3	12.9	67	65	30-150	3	20	
Carbon tetrachloride	ug/L	20	18.6	17.1	93	86	68-129	8	20	
Chlorobenzene	ug/L	20	18.8	18.3	94	92	75-125	2	20	
Chloroethane	ug/L	20	14.8	14.5	74	72	71-125	2	20	
Chloroform	ug/L	20	16.9	16.3	84	81	73-125	4	20	
Chloromethane	ug/L	20	14.3	14.0	71	70	65-125	2	20	
cis-1,2-Dichloroethene	ug/L	20	18.9	18.8	95	94	74-125	0	20	
cis-1,3-Dichloropropene	ug/L	20	19.2	19.1	96	95	74-126	1	20	
Dibromochloromethane	ug/L	20	20.1	20.0	100	100	75-127	1	20	
Dibromomethane	ug/L	20	19.1	18.7	96	93	75-125	2	20	
Dichlorodifluoromethane	ug/L	20	17.4	15.1	87	75	48-144	15	20	
Dichlorofluoromethane	ug/L	20	17.6	17.3	88	87	75-125	1	20	
Diethyl ether (Ethyl ether)	ug/L	20	17.9	17.4	89	87	71-125	2	20	
Ethylbenzene	ug/L	20	17.8	17.3	89	86	75-125	3	20	
Hexachloro-1,3-butadiene	ug/L	20	20.0	18.9	100	95	69-133	5	20	
Isopropylbenzene (Cumene)	ug/L	20	19.7	19.2	99	96	74-128	3	20	
m&p-Xylene	ug/L	40	39.0	38.2	97	95	73-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

LABORATORY CONTROL SAMPLE & LCSD: 4143278		4143287								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Methyl-tert-butyl ether	ug/L	20	18.9	18.8	94	94	75-125	1	20	
Methylene Chloride	ug/L	20	19.1	18.5	96	93	71-125	3	20	
n-Butylbenzene	ug/L	20	19.7	18.9	98	95	74-126	4	20	
n-Propylbenzene	ug/L	20	18.3	17.9	92	89	75-125	2	20	
Naphthalene	ug/L	20	20.0	20.3	100	102	71-125	2	20	
o-Xylene	ug/L	20	20.2	19.8	101	99	73-125	2	20	
p-Isopropyltoluene	ug/L	20	20.1	19.5	101	97	75-125	3	20	
sec-Butylbenzene	ug/L	20	19.4	18.7	97	93	75-125	4	20	
Styrene	ug/L	20	20.5	20.1	102	101	75-125	2	20	
tert-Butylbenzene	ug/L	20	19.3	18.5	96	93	75-125	4	20	
Tetrachloroethene	ug/L	20	20.7	20.1	104	100	72-126	3	20	
Tetrahydrofuran	ug/L	200	178	175	89	88	71-125	2	20	
Toluene	ug/L	20	18.2	17.7	91	89	73-125	3	20	
trans-1,2-Dichloroethene	ug/L	20	19.2	18.5	96	93	69-125	3	20	
trans-1,3-Dichloropropene	ug/L	20	20.1	19.8	101	99	75-127	2	20	
Trichloroethene	ug/L	20	19.4	18.4	97	92	74-126	5	20	
Trichlorofluoromethane	ug/L	20	19.4	17.1	97	86	74-125	12	20	
Vinyl chloride	ug/L	20	16.9	15.7	85	79	67-125	7	20	
Xylene (Total)	ug/L	60	59.1	58.0	99	97	73-125	2	20	
1,2-Dichlorobenzene-d4 (S)	%				99	100	70-130			
4-Bromofluorobenzene (S)	%				100	99	75-125			
Toluene-d8 (S)	%				95	94	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143288		4143289											
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10582258007 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	21.2	11.1	106	55	72-129	63	30	M1,R1
1,1,1-Trichloroethane	ug/L	ND	20	20	20	20.5	11.3	102	56	67-142	58	30	M1,R1
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	18.6	10.3	93	52	65-130	57	30	M1,R1
1,1,2-Trichloroethane	ug/L	ND	20	20	20	21.0	11.0	105	55	74-125	63	30	M1,R1
1,1,2-Trichloroethane	ug/L	ND	20	20	20	16.0	11.1	80	55	63-150	36	30	M1,R1
Trichlorotrifluoroethane													
1,1-Dichloroethane	ug/L	ND	20	20	20	19.5	10.7	97	54	63-133	58	30	M1,R1
1,1-Dichloroethene	ug/L	ND	20	20	20	21.4	12.3	107	61	60-140	54	30	R1
1,1-Dichloropropene	ug/L	ND	20	20	20	20.2	11.8	101	59	68-137	53	30	M1,R1
1,2,3-Trichlorobenzene	ug/L	ND	20	20	20	16.4	10.3	82	52	73-132	46	30	M1,R1
1,2,3-Trichloropropane	ug/L	ND	20	20	20	19.3	10.3	96	51	65-126	61	30	M1,R1
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20	15.0	9.6	75	48	68-131	43	30	M1,R1
1,2,4-Trimethylbenzene	ug/L	ND	20	20	20	17.2	10	86	50	75-129	53	30	M1,R1
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	50	46.8	24.8	94	50	63-129	61	30	M1,R1
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	21.1	11.1	105	56	70-125	62	30	M1,R1
1,2-Dichlorobenzene	ug/L	ND	20	20	20	17.5	10.1	87	51	73-128	53	30	M1,R1
1,2-Dichloroethane	ug/L	ND	20	20	20	19.9	10.6	100	53	65-125	61	30	M1,R1
1,2-Dichloropropane	ug/L	ND	20	20	20	20.3	10.6	102	53	75-125	63	30	M1,R1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		4143288				4143289							
Parameter	Units	10582258007	MS	MSD	MS	MSD	MS	MSD	% Rec	Max			
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	17.1	10.1	86	51	75-132	51	30	M1,R1	
1,3-Dichlorobenzene	ug/L	ND	20	20	17.2	10.3	86	52	75-131	50	30	M1,R1	
1,3-Dichloropropane	ug/L	ND	20	20	21.3	11.3	107	56	75-125	62	30	M1,R1	
1,4-Dichlorobenzene	ug/L	ND	20	20	17.0	10.1	85	50	72-127	51	30	M1,R1	
2,2-Dichloropropane	ug/L	ND	20	20	18.3	9.8	92	49	68-133	60	30	M1,R1	
2-Butanone (MEK)	ug/L	ND	100	100	93.4	50.0	93	50	63-127	60	30	M1,R1	
2-Chlorotoluene	ug/L	ND	20	20	17.6	10.3	88	52	75-126	52	30	M1,R1	
4-Chlorotoluene	ug/L	ND	20	20	17.2	10.2	86	51	75-125	51	30	M1,R1	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	100	51.5	100	52	70-125	64	30	M1,R1	
Acetone	ug/L	ND	100	100	73.6	37.4	74	37	41-150	65	30	M1,R1	
Allyl chloride	ug/L	ND	20	20	18.4	10.1	92	50	54-136	59	30	M1,R1	
Benzene	ug/L	ND	20	20	20.3	11.0	101	55	71-127	59	30	M1,R1	
Bromobenzene	ug/L	ND	20	20	18.9	10.4	94	52	68-127	58	30	M1,R1	
Bromochloromethane	ug/L	ND	20	20	19.3	10.4	96	52	75-125	60	30	M1,R1	
Bromodichloromethane	ug/L	ND	20	20	19.5	10.4	97	52	67-130	61	30	M1,R1	
Bromoform	ug/L	ND	20	20	21.0	10.7	105	53	62-127	65	30	M1,R1	
Bromomethane	ug/L	ND	20	20	8.4	7.1	42	35	30-150	17	30		
Carbon tetrachloride	ug/L	ND	20	20	20.9	11.9	104	60	68-138	54	30	M1,R1	
Chlorobenzene	ug/L	ND	20	20	19.1	10.4	95	52	75-125	58	30	M1,R1	
Chloroethane	ug/L	ND	20	20	12.4	9.9	62	50	70-135	22	30	M1	
Chloroform	ug/L	ND	20	20	18.3	10.0	91	50	72-125	59	30	M1,R1	
Chloromethane	ug/L	ND	20	20	12.4	10.0	62	50	57-136	21	30	M1	
cis-1,2-Dichloroethene	ug/L	ND	20	20	20.5	11.3	102	56	69-125	58	30	M1,R1	
cis-1,3-Dichloropropene	ug/L	ND	20	20	19.7	10.1	98	50	70-126	64	30	M1,R1	
Dibromochloromethane	ug/L	ND	20	20	21.6	11.3	108	56	72-128	63	30	M1,R1	
Dibromomethane	ug/L	ND	20	20	20.0	10.7	100	53	75-125	61	30	M1,R1	
Dichlorodifluoromethane	ug/L	ND	20	20	12.8	12.2	64	61	48-144	5	30		
Dichlorofluoromethane	ug/L	ND	20	20	15.2	11.6	76	58	60-150	26	30	M1	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	18.9	9.8	94	49	62-128	63	30	M1,R1	
Ethylbenzene	ug/L	ND	20	20	17.8	10.2	89	51	75-125	54	30	M1,R1	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	14.7	10.0	73	50	67-150	37	30	M1,R1	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	19.4	11.3	97	56	74-128	53	30	M1,R1	
m&p-Xylene	ug/L	ND	40	40	37.7	22.1	94	55	73-126	52	30	M1,R1	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.8	10.3	99	52	68-125	63	30	M1,R1	
Methylene Chloride	ug/L	ND	20	20	19.7	10.7	99	54	64-125	59	30	M1,R1	
n-Butylbenzene	ug/L	ND	20	20	14.9	10.2	74	51	74-138	37	30	M1,R1	
n-Propylbenzene	ug/L	ND	20	20	16.7	10.4	83	52	75-129	47	30	M1,R1	
Naphthalene	ug/L	ND	20	20	18.1	10.6	90	53	64-126	53	30	M1,R1	
o-Xylene	ug/L	ND	20	20	20.2	10.8	101	54	73-127	60	30	M1,R1	
p-Isopropyltoluene	ug/L	ND	20	20	17.1	10.8	85	54	75-136	45	30	M1,R1	
sec-Butylbenzene	ug/L	ND	20	20	17.5	10.8	88	54	75-135	47	30	M1,R1	
Styrene	ug/L	ND	20	20	20.2	11.0	101	55	75-125	59	30	M1,R1	
tert-Butylbenzene	ug/L	ND	20	20	18.6	10.7	93	54	75-131	54	30	M1,R1	
Tetrachloroethene	ug/L	ND	20	20	19.5	12.4	97	62	72-137	44	30	M1,R1	

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4143288		4143289		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10582258007 Result	MS Spike Conc.	MSD Spike Conc.									
Tetrahydrofuran	ug/L	ND	200	200	188	90.8	94	45	61-128	70	30	M1,R1	
Toluene	ug/L	ND	20	20	18.5	10.5	93	53	73-126	55	30	M1,R1	
trans-1,2-Dichloroethene	ug/L	ND	20	20	18.9	11.4	95	57	61-143	50	30	M1,R1	
trans-1,3-Dichloropropene	ug/L	ND	20	20	21.1	10.9	106	54	72-127	64	30	M1,R1	
Trichloroethene	ug/L	ND	20	20	19.4	11.1	97	56	70-137	55	30	M1,R1	
Trichlorofluoromethane	ug/L	ND	20	20	15.7	13.3	78	67	72-142	16	30	M1	
Vinyl chloride	ug/L	ND	20	20	14.0	11.9	70	59	58-144	17	30		
Xylene (Total)	ug/L	ND	60	60	57.9	32.9	96	55	73-125	55	30	MS,RS	
1,2-Dichlorobenzene-d4 (S)	%						99	100	70-130				
4-Bromofluorobenzene (S)	%						99	99	75-125				
Toluene-d8 (S)	%						94	94	75-125				

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

QC Batch:	778249	Analysis Method:	EPA 8260D
QC Batch Method:	EPA 8260D	Analysis Description:	8260D MSV LL Water
		Laboratory:	Pace Analytical Services - Minneapolis

Associated Lab Samples: 10582258019, 10582258020, 10582258021, 10582258022, 10582258023, 10582258024, 10582258025, 10582258026, 10582258027, 10582258028, 10582258029, 10582258030, 10582258031, 10582258032, 10582258033

METHOD BLANK: 4144948 Matrix: Water

Associated Lab Samples: 10582258019, 10582258020, 10582258021, 10582258022, 10582258023, 10582258024, 10582258025, 10582258026, 10582258027, 10582258028, 10582258029, 10582258030, 10582258031, 10582258032, 10582258033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	10/20/21 15:41	
1,1,1-Trichloroethane	ug/L	ND	0.50	10/20/21 15:41	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	10/20/21 15:41	
1,1,2-Trichloroethane	ug/L	ND	0.50	10/20/21 15:41	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	10/20/21 15:41	
1,1-Dichloroethane	ug/L	ND	0.50	10/20/21 15:41	
1,1-Dichloroethene	ug/L	ND	0.50	10/20/21 15:41	
1,1-Dichloropropene	ug/L	ND	0.50	10/20/21 15:41	
1,2,3-Trichlorobenzene	ug/L	ND	0.50	10/20/21 15:41	
1,2,3-Trichloropropane	ug/L	ND	4.0	10/20/21 15:41	
1,2,4-Trichlorobenzene	ug/L	ND	0.50	10/20/21 15:41	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	10/20/21 15:41	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	10/20/21 15:41	
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	10/20/21 15:41	
1,2-Dichlorobenzene	ug/L	ND	0.50	10/20/21 15:41	
1,2-Dichloroethane	ug/L	ND	0.50	10/20/21 15:41	
1,2-Dichloropropane	ug/L	ND	4.0	10/20/21 15:41	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	10/20/21 15:41	
1,3-Dichlorobenzene	ug/L	ND	0.50	10/20/21 15:41	
1,3-Dichloropropane	ug/L	ND	0.50	10/20/21 15:41	
1,4-Dichlorobenzene	ug/L	ND	0.50	10/20/21 15:41	
2,2-Dichloropropane	ug/L	ND	1.0	10/20/21 15:41	
2-Butanone (MEK)	ug/L	ND	5.0	10/20/21 15:41	
2-Chlorotoluene	ug/L	ND	0.50	10/20/21 15:41	
4-Chlorotoluene	ug/L	ND	0.50	10/20/21 15:41	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/20/21 15:41	
Acetone	ug/L	ND	20.0	10/20/21 15:41	
Allyl chloride	ug/L	ND	4.0	10/20/21 15:41	
Benzene	ug/L	ND	0.50	10/20/21 15:41	
Bromobenzene	ug/L	ND	0.50	10/20/21 15:41	
Bromochloromethane	ug/L	ND	1.0	10/20/21 15:41	
Bromodichloromethane	ug/L	ND	0.50	10/20/21 15:41	
Bromoform	ug/L	ND	4.0	10/20/21 15:41	
Bromomethane	ug/L	ND	4.0	10/20/21 15:41	
Carbon tetrachloride	ug/L	ND	0.50	10/20/21 15:41	
Chlorobenzene	ug/L	ND	0.50	10/20/21 15:41	
Chloroethane	ug/L	ND	1.0	10/20/21 15:41	

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

METHOD BLANK: 4144948

Matrix: Water

Associated Lab Samples: 10582258019, 10582258020, 10582258021, 10582258022, 10582258023, 10582258024, 10582258025, 10582258026, 10582258027, 10582258028, 10582258029, 10582258030, 10582258031, 10582258032, 10582258033

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	ug/L	ND	1.0	10/20/21 15:41	
Chloromethane	ug/L	ND	4.0	10/20/21 15:41	
cis-1,2-Dichloroethene	ug/L	ND	0.50	10/20/21 15:41	
cis-1,3-Dichloropropene	ug/L	ND	0.50	10/20/21 15:41	
Dibromochloromethane	ug/L	ND	0.50	10/20/21 15:41	
Dibromomethane	ug/L	ND	1.0	10/20/21 15:41	
Dichlorodifluoromethane	ug/L	ND	1.0	10/20/21 15:41	
Dichlorofluoromethane	ug/L	ND	1.0	10/20/21 15:41	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	10/20/21 15:41	
Ethylbenzene	ug/L	ND	0.50	10/20/21 15:41	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	10/20/21 15:41	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	10/20/21 15:41	
m&p-Xylene	ug/L	ND	1.0	10/20/21 15:41	
Methyl-tert-butyl ether	ug/L	ND	0.50	10/20/21 15:41	
Methylene Chloride	ug/L	ND	4.0	10/20/21 15:41	
n-Butylbenzene	ug/L	ND	0.50	10/20/21 15:41	
n-Propylbenzene	ug/L	ND	0.50	10/20/21 15:41	
Naphthalene	ug/L	ND	1.0	10/20/21 15:41	
o-Xylene	ug/L	ND	0.50	10/20/21 15:41	
p-Isopropyltoluene	ug/L	ND	0.50	10/20/21 15:41	
sec-Butylbenzene	ug/L	ND	0.50	10/20/21 15:41	
Styrene	ug/L	ND	0.50	10/20/21 15:41	
tert-Butylbenzene	ug/L	ND	0.50	10/20/21 15:41	
Tetrachloroethene	ug/L	ND	0.50	10/20/21 15:41	
Tetrahydrofuran	ug/L	ND	10.0	10/20/21 15:41	
Toluene	ug/L	ND	0.50	10/20/21 15:41	
trans-1,2-Dichloroethene	ug/L	ND	0.50	10/20/21 15:41	
trans-1,3-Dichloropropene	ug/L	ND	0.50	10/20/21 15:41	
Trichloroethene	ug/L	ND	0.40	10/20/21 15:41	
Trichlorofluoromethane	ug/L	ND	1.0	10/20/21 15:41	MN
Vinyl chloride	ug/L	ND	0.20	10/20/21 15:41	
Xylene (Total)	ug/L	ND	1.5	10/20/21 15:41	
1,2-Dichlorobenzene-d4 (S)	%	100	70-130	10/20/21 15:41	
4-Bromofluorobenzene (S)	%	101	75-125	10/20/21 15:41	
Toluene-d8 (S)	%	93	75-125	10/20/21 15:41	

LABORATORY CONTROL SAMPLE & LCSD: 4144949

4144950

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	19.9	96	99	74-125	4	20	
1,1,1-Trichloroethane	ug/L	20	17.0	18.2	85	91	75-125	7	20	
1,1,2,2-Tetrachloroethane	ug/L	20	17.4	18.6	87	93	71-125	6	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

LABORATORY CONTROL SAMPLE & LCSD: 4144949		4144950								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,2-Trichloroethane	ug/L	20	19.2	19.8	96	99	75-125	3	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	15.4	18.1	77	90	70-130	16	20	
1,1-Dichloroethane	ug/L	20	16.8	17.4	84	87	67-125	4	20	
1,1-Dichloroethene	ug/L	20	17.4	19.9	87	99	67-125	13	20	
1,1-Dichloropropene	ug/L	20	18.1	19.8	90	99	68-125	9	20	
1,2,3-Trichlorobenzene	ug/L	20	19.2	20.1	96	101	75-125	5	20	
1,2,3-Trichloropropane	ug/L	20	17.5	19.1	87	96	75-125	9	20	
1,2,4-Trichlorobenzene	ug/L	20	18.7	19.6	94	98	71-125	5	20	
1,2,4-Trimethylbenzene	ug/L	20	18.0	18.7	90	94	75-125	4	20	
1,2-Dibromo-3-chloropropane	ug/L	50	45.0	49.1	90	98	68-129	9	20	
1,2-Dibromoethane (EDB)	ug/L	20	19.9	20.4	100	102	73-125	2	20	
1,2-Dichlorobenzene	ug/L	20	17.3	18.0	87	90	75-125	4	20	
1,2-Dichloroethane	ug/L	20	17.1	17.6	85	88	71-125	3	20	
1,2-Dichloropropane	ug/L	20	17.9	18.3	89	92	75-125	2	20	
1,3,5-Trimethylbenzene	ug/L	20	17.7	18.6	89	93	75-125	5	20	
1,3-Dichlorobenzene	ug/L	20	18.3	18.8	92	94	75-125	3	20	
1,3-Dichloropropane	ug/L	20	19.6	20.5	98	103	75-125	4	20	
1,4-Dichlorobenzene	ug/L	20	17.7	18.2	89	91	72-125	3	20	
2,2-Dichloropropane	ug/L	20	17.4	19.2	87	96	68-129	10	20	
2-Butanone (MEK)	ug/L	100	83.5	104	83	104	66-127	22	20	R1
2-Chlorotoluene	ug/L	20	17.8	18.4	89	92	75-125	4	20	
4-Chlorotoluene	ug/L	20	18.0	18.5	90	92	75-125	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	84.6	92.1	85	92	70-125	9	20	
Acetone	ug/L	100	73.2	107	73	107	45-150	37	20	R1
Allyl chloride	ug/L	20	15.7	16.1	78	80	65-125	3	20	
Benzene	ug/L	20	17.8	18.5	89	93	71-125	4	20	
Bromobenzene	ug/L	20	18.5	18.6	93	93	72-125	0	20	
Bromochloromethane	ug/L	20	18.1	18.2	91	91	75-125	0	20	
Bromodichloromethane	ug/L	20	17.4	17.9	87	89	75-125	3	20	
Bromoform	ug/L	20	19.2	19.9	96	100	75-127	3	20	
Bromomethane	ug/L	20	11.0	11.2	55	56	30-150	2	20	
Carbon tetrachloride	ug/L	20	16.6	18.3	83	92	68-129	10	20	
Chlorobenzene	ug/L	20	18.1	18.8	91	94	75-125	3	20	
Chloroethane	ug/L	20	13.6	15.2	68	76	71-125	11	20	L2
Chloroform	ug/L	20	15.9	16.8	79	84	73-125	6	20	
Chloromethane	ug/L	20	12.4	13.3	62	66	65-125	6	20	L2
cis-1,2-Dichloroethene	ug/L	20	18.7	19.3	93	96	74-125	3	20	
cis-1,3-Dichloropropene	ug/L	20	18.9	19.3	94	96	74-126	2	20	
Dibromochloromethane	ug/L	20	19.6	20.1	98	101	75-127	2	20	
Dibromomethane	ug/L	20	18.3	19.8	91	99	75-125	8	20	
Dichlorodifluoromethane	ug/L	20	13.0	17.0	65	85	48-144	27	20	R1
Dichlorofluoromethane	ug/L	20	16.6	17.0	83	85	75-125	2	20	
Diethyl ether (Ethyl ether)	ug/L	20	17.4	17.8	87	89	71-125	2	20	
Ethylbenzene	ug/L	20	17.1	17.8	85	89	75-125	4	20	
Hexachloro-1,3-butadiene	ug/L	20	19.1	20.3	95	101	69-133	6	20	
Isopropylbenzene (Cumene)	ug/L	20	18.9	20.2	95	101	74-128	7	20	
m&p-Xylene	ug/L	40	37.2	40.0	93	100	73-125	7	20	

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

LABORATORY CONTROL SAMPLE & LCSD:		4144949		4144950							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Methyl-tert-butyl ether	ug/L	20	17.9	19.5	90	97	75-125	8	20		
Methylene Chloride	ug/L	20	18.6	18.3	93	91	71-125	2	20		
n-Butylbenzene	ug/L	20	18.4	19.6	92	98	74-126	6	20		
n-Propylbenzene	ug/L	20	17.5	18.6	87	93	75-125	6	20		
Naphthalene	ug/L	20	19.8	21.7	99	108	71-125	9	20		
o-Xylene	ug/L	20	19.3	20.4	96	102	73-125	6	20		
p-Isopropyltoluene	ug/L	20	19.1	20.3	96	101	75-125	6	20		
sec-Butylbenzene	ug/L	20	18.2	19.6	91	98	75-125	7	20		
Styrene	ug/L	20	20.1	20.4	100	102	75-125	2	20		
tert-Butylbenzene	ug/L	20	18.5	19.4	92	97	75-125	5	20		
Tetrachloroethene	ug/L	20	19.7	21.3	99	106	72-126	8	20		
Tetrahydrofuran	ug/L	200	173	182	86	91	71-125	5	20		
Toluene	ug/L	20	17.4	18.1	87	90	73-125	4	20		
trans-1,2-Dichloroethene	ug/L	20	18.7	19.5	93	97	69-125	4	20		
trans-1,3-Dichloropropene	ug/L	20	19.6	20.4	98	102	75-127	4	20		
Trichloroethene	ug/L	20	18.4	19.3	92	96	74-126	5	20		
Trichlorofluoromethane	ug/L	20	16.2	18.0	81	90	74-125	11	20		
Vinyl chloride	ug/L	20	14.7	16.4	73	82	67-125	11	20		
Xylene (Total)	ug/L	60	56.5	60.4	94	101	73-125	7	20		
1,2-Dichlorobenzene-d4 (S)	%				100	101	70-130				
4-Bromofluorobenzene (S)	%				100	101	75-125				
Toluene-d8 (S)	%				95	95	75-125				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		4144951		4144952							
Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10582258027 Result	Spike Conc.	Spike Conc.	MS Result						
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	17.4	12.3	87	62	72-129	34	30 M1,R1
1,1,1-Trichloroethane	ug/L	ND	20	20	16.4	12.1	82	60	67-142	31	30 M1,R1
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	14.5	11.2	73	56	65-130	25	30 M1
1,1,2-Trichloroethane	ug/L	ND	20	20	16.9	12.5	84	62	74-125	30	30 M1
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	14.9	10.7	74	53	63-150	33	30 M1,R1
1,1-Dichloroethane	ug/L	ND	20	20	15.6	11.8	78	59	63-133	27	30 M1
1,1-Dichloroethene	ug/L	ND	20	20	18.0	12.9	90	65	60-140	33	30 R1
1,1-Dichloropropene	ug/L	ND	20	20	16.8	12.3	84	62	68-137	31	30 M1,R1
1,2,3-Trichlorobenzene	ug/L	ND	20	20	13.9	11.3	69	57	73-132	20	30 M1
1,2,3-Trichloropropane	ug/L	ND	20	20	15.0	11.1	75	56	65-126	30	30 M1
1,2,4-Trichlorobenzene	ug/L	ND	20	20	13.3	10	67	50	68-131	29	30 M1
1,2,4-Trimethylbenzene	ug/L	ND	20	20	14.5	10.8	73	54	75-129	30	30 M1
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	35.9	28.4	72	57	63-129	24	30 M1
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	17.3	12.7	86	63	70-125	31	30 M1,R1
1,2-Dichlorobenzene	ug/L	ND	20	20	14.6	10.9	73	55	73-128	29	30 M1
1,2-Dichloroethane	ug/L	ND	20	20	15.9	11.9	79	59	65-125	29	30 M1
1,2-Dichloropropane	ug/L	ND	20	20	16.0	11.7	80	59	75-125	31	30 M1,R1

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4144951 4144952													
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		10582258027 Result	Spike Conc.	Spike Conc.	MS Conc.								
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20	14.7	10.9	74	54	75-132	30	30	M1
1,3-Dichlorobenzene	ug/L	ND	20	20	20	14.7	10.9	73	54	75-131	30	30	M1
1,3-Dichloropropane	ug/L	ND	20	20	20	17.7	12.9	89	65	75-125	31	30	M1,R1
1,4-Dichlorobenzene	ug/L	ND	20	20	20	14.2	10.6	71	53	72-127	29	30	M1
2,2-Dichloropropane	ug/L	ND	20	20	20	15.1	11.2	76	56	68-133	30	30	M1
2-Butanone (MEK)	ug/L	ND	100	100	100	73.2	55.4	73	55	63-127	28	30	M1
2-Chlorotoluene	ug/L	ND	20	20	20	15.2	11.2	76	56	75-126	31	30	M1,R1
4-Chlorotoluene	ug/L	ND	20	20	20	14.5	10.9	72	55	75-125	28	30	M1
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	100	79.3	57.3	79	57	70-125	32	30	M1,R1
Acetone	ug/L	ND	100	100	100	57.9	42.8	58	43	41-150	30	30	
Allyl chloride	ug/L	ND	20	20	20	15.3	11.3	76	57	54-136	30	30	
Benzene	ug/L	ND	20	20	20	16.2	12.0	81	60	71-127	29	30	M1
Bromobenzene	ug/L	ND	20	20	20	15.3	11.4	77	57	68-127	29	30	M1
Bromochloromethane	ug/L	ND	20	20	20	15.7	11.7	78	58	75-125	29	30	M1
Bromodichloromethane	ug/L	ND	20	20	20	15.3	11.4	77	57	67-130	30	30	M1
Bromoform	ug/L	ND	20	20	20	16.3	12.2	81	61	62-127	28	30	M1
Bromomethane	ug/L	ND	20	20	20	5.0	5.5	25	28	30-150	9	30	M1
Carbon tetrachloride	ug/L	ND	20	20	20	16.5	12.2	83	61	68-138	30	30	M1
Chlorobenzene	ug/L	ND	20	20	20	15.6	11.7	78	58	75-125	28	30	M1
Chloroethane	ug/L	ND	20	20	20	8.4	9.6	42	48	70-135	14	30	M0
Chloroform	ug/L	ND	20	20	20	14.6	11.0	73	55	72-125	28	30	M1
Chloromethane	ug/L	ND	20	20	20	8.4	9.6	42	48	57-136	13	30	M0
cis-1,2-Dichloroethene	ug/L	ND	20	20	20	16.6	12.4	83	62	69-125	29	30	M1
cis-1,3-Dichloropropene	ug/L	ND	20	20	20	15.6	11.5	78	58	70-126	30	30	M1
Dibromochloromethane	ug/L	ND	20	20	20	17.3	12.6	86	63	72-128	31	30	M1,R1
Dibromomethane	ug/L	ND	20	20	20	15.9	11.7	79	59	75-125	30	30	M1
Dichlorodifluoromethane	ug/L	ND	20	20	20	8.8	11.2	44	56	48-144	23	30	M1
Dichlorofluoromethane	ug/L	ND	20	20	20	9.8	11.2	49	56	60-150	13	30	M1
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	20	15.1	11.6	76	58	62-128	26	30	M1
Ethylbenzene	ug/L	ND	20	20	20	15.0	10.9	75	54	75-125	32	30	M1,R1
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20	13.9	10.2	69	51	67-150	30	30	M1
Isopropylbenzene (Cumene)	ug/L	ND	20	20	20	17.1	12.3	85	62	74-128	32	30	M1,R1
m&p-Xylene	ug/L	ND	40	40	40	33.9	23.8	85	60	73-126	35	30	M1,R1
Methyl-tert-butyl ether	ug/L	ND	20	20	20	15.8	11.0	79	55	68-125	36	30	M1,R1
Methylene Chloride	ug/L	ND	20	20	20	15.8	11.9	79	60	64-125	28	30	M1
n-Butylbenzene	ug/L	ND	20	20	20	14.1	10.5	71	52	74-138	30	30	M1
n-Propylbenzene	ug/L	ND	20	20	20	15.0	11.0	75	55	75-129	31	30	M1,R1
Naphthalene	ug/L	ND	20	20	20	15.5	12.2	77	61	64-126	24	30	M1
o-Xylene	ug/L	ND	20	20	20	17.2	12.1	86	61	73-127	35	30	M1,R1
p-Isopropyltoluene	ug/L	ND	20	20	20	15.4	11.4	77	57	75-136	30	30	M1
sec-Butylbenzene	ug/L	ND	20	20	20	15.8	11.5	79	58	75-135	31	30	M1,R1
Styrene	ug/L	ND	20	20	20	17.1	12.2	86	61	75-125	34	30	M1,R1
tert-Butylbenzene	ug/L	ND	20	20	20	16.2	11.9	81	59	75-131	31	30	M1,R1
Tetrachloroethene	ug/L	ND	20	20	20	17.4	12.3	87	61	72-137	35	30	M1,R1

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4144951		4144952		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10582258027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Tetrahydrofuran	ug/L	ND	200	200	148	109	74	55	61-128	30	30	M1	
Toluene	ug/L	ND	20	20	15.0	11.2	75	56	73-126	29	30	M1	
trans-1,2-Dichloroethene	ug/L	ND	20	20	16.3	12.3	82	61	61-143	28	30		
trans-1,3-Dichloropropene	ug/L	ND	20	20	17.3	12.4	87	62	72-127	33	30	M1, R1	
Trichloroethene	ug/L	ND	20	20	15.9	11.7	79	59	70-137	30	30	M1	
Trichlorofluoromethane	ug/L	ND	20	20	9.8	12.1	49	60	72-142	21	30	M1	
Vinyl chloride	ug/L	ND	20	20	9.6	11.2	48	56	58-144	16	30	M1	
Xylene (Total)	ug/L	ND	60	60	51.1	35.9	85	60	73-125	35	30	MS, RS	
1,2-Dichlorobenzene-d4 (S)	%						98	98	70-130				
4-Bromofluorobenzene (S)	%						104	100	75-125				
Toluene-d8 (S)	%						93	94	75-125				

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

QC Batch:	776442	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	10582258001, 10582258002, 10582258003, 10582258004, 10582258005, 10582258006, 10582258007, 10582258008, 10582258009, 10582258010, 10582258011, 10582258012, 10582258013, 10582258014, 10582258015, 10582258016, 10582258017, 10582258018, 10582258019, 10582258020		

METHOD BLANK:	4136282	Matrix:	Water
Associated Lab Samples:	10582258001, 10582258002, 10582258003, 10582258004, 10582258005, 10582258006, 10582258007, 10582258008, 10582258009, 10582258010, 10582258011, 10582258012, 10582258013, 10582258014, 10582258015, 10582258016, 10582258017, 10582258018, 10582258019, 10582258020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.2	10/13/21 19:21	

LABORATORY CONTROL SAMPLE:	4136283					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.9	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4136284			4136285								
Parameter	Units	10582258001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	42.0	50	50	77.8	77.0	72	70	80-120	1	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4136286			4136287								
Parameter	Units	10582258007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	40.5	50	50	76.6	76.2	72	71	80-120	1	20	M1

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QUALITY CONTROL DATA

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

QC Batch:	776825	Analysis Method:	EPA 300.0
QC Batch Method:	EPA 300.0	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	10582258021, 10582258023, 10582258024, 10582258025, 10582258026, 10582258027, 10582258028, 10582258029, 10582258030, 10582258031, 10582258032		

METHOD BLANK:	4138226	Matrix:	Water
Associated Lab Samples:	10582258021, 10582258023, 10582258024, 10582258025, 10582258026, 10582258027, 10582258028, 10582258029, 10582258030, 10582258031, 10582258032		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.2	10/14/21 19:15	

LABORATORY CONTROL SAMPLE: 4138227						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.7	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138228												4138229	
Parameter	Units	10582258027 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	6.0	50	50	52.6	52.2	93	92	80-120	1	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4138230												4138231	
Parameter	Units	10582294001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	4.2	50	50	50.6	50.0	93	92	80-120	1	20		

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

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 adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 777880

[1] The continuing calibration verification was below the method acceptance limit for chloromethane, bromomethane, and chloroethane. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

Batch: 778249

[1] The continuing calibration verification was below the method acceptance limit for dichlorodifluoromethane, chloromethane, vinyl chloride, bromomethane, chloroethane and acetone. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

ANALYTE QUALIFIERS

1M Analyte not detected when reported to the MDL.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

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

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

MS Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.

R1 RPD value was outside control limits.

RS The RPD value in one of the constituent analytes was outside the control limits.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

ANALYTE QUALIFIERS

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 002012-01-040-Revised Report
Pace Project No.: 10582258

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10582258001	RW-211006-KJ-01	EPA 8260D	777880		
10582258002	RW-211006-KJ-02	EPA 8260D	777880		
10582258003	RW-211006-KJ-03	EPA 8260D	777880		
10582258004	RW-211006-KJ-04	EPA 8260D	777880		
10582258005	RW-211006-KJ-05	EPA 8260D	777880		
10582258006	RW-211006-KJ-06	EPA 8260D	777880		
10582258007	RW-211006-KJ-07	EPA 8260D	777880		
10582258008	RW-211006-KJ-08	EPA 8260D	777880		
10582258009	RW-211006-KJ-09	EPA 8260D	777880		
10582258010	RW-211006-KJ-10	EPA 8260D	777880		
10582258011	RW-211006-KJ-11	EPA 8260D	777880		
10582258012	RW-211006-KJ-12	EPA 8260D	777880		
10582258013	RW-211006-KJ-13	EPA 8260D	777880		
10582258014	RW-211006-KJ-14	EPA 8260D	777880		
10582258015	RW-211006-KJ-15	EPA 8260D	777880		
10582258016	RW-211006-KJ-16	EPA 8260D	777880		
10582258017	RW-211006-KJ-17	EPA 8260D	777880		
10582258018	RW-211006-KJ-18	EPA 8260D	777880		
10582258019	RW-211006-KJ-19	EPA 8260D	778249		
10582258020	RW-211006-KJ-20	EPA 8260D	778249		
10582258021	RW-211006-KJ-21	EPA 8260D	778249		
10582258022	TRIP BLANK #1	EPA 8260D	778249		
10582258023	RW-211007-KJ-22	EPA 8260D	778249		
10582258024	RW-211007-KJ-23	EPA 8260D	778249		
10582258025	RW-211007-KJ-24	EPA 8260D	778249		
10582258026	RW-211007-KJ-25	EPA 8260D	778249		
10582258027	RW-211007-KJ-26	EPA 8260D	778249		
10582258028	RW-211007-KJ-27	EPA 8260D	778249		
10582258029	RW-211007-KJ-28	EPA 8260D	778249		
10582258030	RW-211007-KJ-29	EPA 8260D	778249		
10582258031	RW-211007-KJ-30	EPA 8260D	778249		
10582258032	RW-211007-KJ-31	EPA 8260D	778249		
10582258033	TRIP BLANK #2	EPA 8260D	778249		
10582258001	RW-211006-KJ-01	EPA 300.0	776442		
10582258002	RW-211006-KJ-02	EPA 300.0	776442		
10582258003	RW-211006-KJ-03	EPA 300.0	776442		
10582258004	RW-211006-KJ-04	EPA 300.0	776442		
10582258005	RW-211006-KJ-05	EPA 300.0	776442		
10582258006	RW-211006-KJ-06	EPA 300.0	776442		
10582258007	RW-211006-KJ-07	EPA 300.0	776442		
10582258008	RW-211006-KJ-08	EPA 300.0	776442		
10582258009	RW-211006-KJ-09	EPA 300.0	776442		
10582258010	RW-211006-KJ-10	EPA 300.0	776442		
10582258011	RW-211006-KJ-11	EPA 300.0	776442		
10582258012	RW-211006-KJ-12	EPA 300.0	776442		
10582258013	RW-211006-KJ-13	EPA 300.0	776442		
10582258014	RW-211006-KJ-14	EPA 300.0	776442		
10582258015	RW-211006-KJ-15	EPA 300.0	776442		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 002012-01-040-Revised Report

Pace Project No.: 10582258

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10582258016	RW-211006-KJ-16	EPA 300.0	776442		
10582258017	RW-211006-KJ-17	EPA 300.0	776442		
10582258018	RW-211006-KJ-18	EPA 300.0	776442		
10582258019	RW-211006-KJ-19	EPA 300.0	776442		
10582258020	RW-211006-KJ-20	EPA 300.0	776442		
10582258021	RW-211006-KJ-21	EPA 300.0	776825		
10582258023	RW-211007-KJ-22	EPA 300.0	776825		
10582258024	RW-211007-KJ-23	EPA 300.0	776825		
10582258025	RW-211007-KJ-24	EPA 300.0	776825		
10582258026	RW-211007-KJ-25	EPA 300.0	776825		
10582258027	RW-211007-KJ-26	EPA 300.0	776825		
10582258028	RW-211007-KJ-27	EPA 300.0	776825		
10582258029	RW-211007-KJ-28	EPA 300.0	776825		
10582258030	RW-211007-KJ-29	EPA 300.0	776825		
10582258031	RW-211007-KJ-30	EPA 300.0	776825		
10582258032	RW-211007-KJ-31	EPA 300.0	776825		

REPORT OF LABORATORY ANALYSIS

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PACE Analytical CHAIN-OF-CUSTODY Analytical Request Document

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

Company: **6HD** Billing Information:

Address: **900 Long Lake Road** Email To: _____

Report To: **Giant Anderson** Site Collection Info/Address: _____

Copy To: **Seah Illi** County/City: _____

Customer Project Name/Number: **002012-01-040** Time Zone Collected: _____

Phone: _____ Compliance Monitoring? _____

Collected By (print): **Kari Sankin** DW PWS ID #: _____

Collected By (signature): **[Signature]** DW Location Code: _____

Sample Disposal: _____ Immediately Packed on Ice: _____

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End	Res Cl	# of Ctns
			Date	Time			
RW-211006-K5-01	DW	6	1016	1039			4
-02			1050				
-03			1051				
-04			1114				
-05			1116				
-06			1130				
-07			1145				
-08			1200				
-09			1215				
-10			1230				

Customer Remarks / Special Conditions / Possible Hazards: _____

Type of Ice Used: **Wet** Blue Dry None

Packing Material Used: _____

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

Date/Time: **10/7/12** Received by/Company: (Signature) **[Signature]**

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

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

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

WO# : 10582258



10582258

Container Preservation: _____

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

Analyses: _____

Lab Profile/Line: **32510**

Lab Sample Receipt Checklist:	Y	N	NA
Custody Seals Present/Intact			
Custody Signatures Present			
Collector Signature Present			
Bottles Intact			
Correct Bottles			
Sufficient Volume			
Samples Received on Ice			
VOA - Headspace Acceptable			
USDA Regulated Soils			
Samples in Holding Time			
Residual Chlorine Present			
C1 Strips:			
Sample pH Acceptable			
pH Strips:			
Sulfide Present			
Lead Acetate Strips:			
LAB USE ONLY:			
Lab Sample # / Comments:			

Lab Sample Temperature Info:

Temp Blank Received: **Y** N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments: **3.0, 3.6**

Temp Blank Received: **Y** N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: _____ °C

Cooler 1 Therm Corr. Factor: _____ °C

Cooler 1 Corrected Temp: _____ °C

Comments: **3.0, 3.6**

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

Lab Tracking #: **2726967**

Samples received via: **Client** Courier Pace Courier

FEDEX UPS MTJL LAB USE ONLY

Date/Time: **10/7/12 12:30**

Date/Time: _____

Date/Time: _____

Table #: _____

Account #: _____

Template: _____

Prelogin: _____

PM: _____

PB: _____

Non Conformance(s): _____

YES / NO Page: **9** of: **9**



CHAIN-OF-CUSTODY Analytical Request Document

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

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

ALL SHADED AREAS are for LAB USE ONLY

Company: GND
Address: 900 Long Lake Road
Report To: Brent Anderson
Copy To: Sarah Hill
Customer Project Name/Number: 002012-01-040
Phone: 507-272-8071
Email: [redacted]
Collected By (print): [redacted]
Collected By (signature): [redacted]
Site/Facility ID #: [redacted]
Purchase Order #: [redacted]
Quote #: [redacted]
Turnaround Date Required: [redacted]
Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day [] Expedite Charges Apply
Sample Disposal: [] Dispose as appropriate [] Return [] Archive: [] Hold: []
*** Matrix Codes (Insert in Matrix box below):** Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp/Grab	Collected (or Composite Start)		Res Cl	# of Ctns
			Date	Time		
02-211006-KS-11	DW	6	10/16	1240		4
-12				1255		
-13				1316		
-14				1318		
-15				1320		
-16				1335		
-17				1340		
-18				1355		
-19				1414		
-20				1402		

Customer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: Wet Blue Dry None
Packing Material Used: [redacted]
Raddchem sample(s) screened (<500 cpm): Y N NA
Received by/Company: (Signature) Date/Time: 10/16/12

Billing Information:
Email To: [redacted]
Site Collection Info/Address: North Oaks
State: MN
County/City: [redacted]
Time Zone Collected: [] PT [] MT [] CT [] ET
Compliance Monitoring? [] Yes [] No
DW PWS ID #: [redacted]
DW Location Code: [redacted]
Immediately Packed on Ice: [] Yes [] No
Field Filtered (if applicable): [] Yes [] No
Analysis: [redacted]

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

Lab Profile/Line: 22510
Lab Sample Receipt Checklist:
Temp Blank Received: Y N NA
Therm ID#: 15 ON NA
Cooler 1 Temp Upon Receipt: oC
Cooler 1 Therm Corr. Factor: oC
Cooler 1 Corrected Temp: oC
Comments: 3.2, 3.6
Trip Blank Received: Y N NA
HCL MeOH TSP Other
Non Conformance(s): YES / NO
Page: 1 of 1



CHAIN-OF-CUSTODY Analytical Request Document

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

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

ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type **

Lab Project Manager:

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

Lab Profile/Line: 32510

Lab Sample Receipt Checklist:

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

LAB USE ONLY: Lab Sample # / Comments:

Lab Sample Temperature Info:
Temp Blank Received: 19 NA
Cooler 1 Temp Upon Receipt: OC
Cooler 1 Therm Corr. Factor: OC
Cooler 1 Corrected Temp: OC
Comments: 3-21-36

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO
Page: 3 of: 4

Company: GHD
Address: 900 Cony Lake Road
Report To: Grant Anderson
Copy To: Sarah Hill
Customer Project Name/Number: 002012-01-040
Site/Facility ID #: 507 272 801
Email: Karl Smolin
Collected By (print): [Signature]
Collected By (signature): [Signature]

Billing Information:
Email To: Grant Anderson
Site Collection Info/Address: NORTH OAKS
County/City: MW
Time Zone Collected: [] PT [] MT [] CT [] ET
Compliance Monitoring? [] Yes [] No
DW PWS ID #:
DW Location Code:
Immediately Packed on Ice: [] Yes [] No
Field Filtered (if applicable): [] Yes [] No
Analysis:

Turnaround Date Required:
Rush: [] Same Day [] Next Day
[] 2 Day [] 3 Day [] 4 Day [] 5 Day
(Expedite Charges Apply)
* Matrix Codes (Insert in Matrix box below): Drinking Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Res Cl	# of Ctns
			Date	Time		
<u>RW-211006-K3-21</u>	<u>DW</u>	<u>6</u>	<u>10/6</u>	<u>1442</u>	<u>4</u>	<u>4</u>
<u>TRAP BLANK #1</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>2</u>	<u>2</u>
<u>RW-211007-K3-27</u>	<u>DW</u>	<u>6</u>	<u>10/7</u>	<u>0945</u>	<u>4</u>	<u>4</u>
<u>-23</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>0946</u>	<u>4</u>	<u>4</u>
<u>-24</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1015</u>	<u>4</u>	<u>4</u>
<u>-25</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1017</u>	<u>4</u>	<u>4</u>
<u>-26</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1046</u>	<u>12</u>	<u>12</u>
<u>-27</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1051</u>	<u>4</u>	<u>4</u>
<u>-28</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1122</u>	<u>4</u>	<u>4</u>
<u>-29</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1127</u>	<u>4</u>	<u>4</u>

Customer Remarks / Special Conditions / Possible Hazards:
Type of Ice Used: Net Blue Dry None
Packing Material Used:
Radchem sample(s) screened (<500 cpm): Y N NA
Received by/Company: (Signature) [Signature]
Date/Time: 10/7/21

Relinquished by/Company: (Signature)	Date/Time:	Relinquished by/Company: (Signature)	Date/Time:	Relinquished by/Company: (Signature)	Date/Time:
<u>[Signature]</u>	<u>10/7/21</u>	<u>[Signature]</u>	<u> </u>	<u>[Signature]</u>	<u> </u>

SHORT HOLDS PRESENT (<72 hours): Y N N/A
Lab Tracking #: 2726969
Samples received via: FEDEX UPS Client
Courier Pace Courier
Table #: 601/2/20 1230
Acctnum:
Template:
Prelogin:
PM:
PB:

Lab Sample Temperature Info:
Temp Blank Received: 19 NA
Cooler 1 Temp Upon Receipt: OC
Cooler 1 Therm Corr. Factor: OC
Cooler 1 Corrected Temp: OC
Comments: 3-21-36

Trip Blank Received: Y N NA
HCL MeOH TSP Other
Non Conformance(s): YES / NO
Page: 3 of: 4



CHAIN-OF-CUSTODY Analytical Request Document

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

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

Company: **GHD**

Address: **900 Long Lake Road**

Report To: **Grant Anderson**

Copy To: **Swan Illi**

Customer Project Name/Number: **002012-01-040**

Phone: **630-2012-01-040**

Collected By (print): **Kyle Jenkins**

Collected By (signature): *[Signature]*

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

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

ALL SHADED AREAS are for LAB USE ONLY

Container Preservative Type **

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

Analyses	Lab Profile/Line: 32510	Lab Sample Receipt Checklist:
VOCs (B260 level)		Custody Seals Present/Intact Y N NA
Chloride (300.0)		Custody Signatures Present Y N NA
		Collector Signature Present Y N NA
		Bottles Intact Y N NA
		Correct Bottles Y N NA
		Sufficient Volume Y N NA
		Samples Received on Ice Y N NA
		VOA - Headspace Acceptable Y N NA
		USDA Regulated Soils Y N NA
		Samples in Holding Time Y N NA
		Residual Chlorine Present Y N NA
		Cl Strips: Y N NA
		Sample pH Acceptable Y N NA
		pH Strips: Y N NA
		Sulfide Present Y N NA
		Lead Acetate Strips: Y N NA
		LAB USE ONLY:
		Lab Sample # / Comments:

Lab Sample Temperature Info:
 Temp Blank Received: **Y** N NA
 Therm ID#: **45** oC
 Cooler 1 Temp Upon Receipt: **3.2, 3.0** oC
 Cooler 1 Therm Corr. Factor: **0** oC
 Cooler 1 Corrected Temp: **0** oC
 Comments: **3.2, 3.0**

Trip Blank Received: Y N NA
 HCL MeOH TSP Other

Non Conformance(s): YES / NO
 Page: **1** of: **1**

Billing Information:

Email To: **Grant Anderson**

Site Collection Info/Address: **Northbrook**

State: **Ill** County/City: **Northbrook** Time Zone Collected: [] PT [] MT [] CT [] ET

Site/Facility ID #: **MW**

Purchase Order #: **MW**

Quote #: **MW**

Turnaround Date Required: **MW**

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

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

Analysis: **NO**

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Res Cl	# of Ctns
			Date	Time		
2W-21007-KS-30	DW	6	10/7	1132		4
-31	DW	6	10/7	1157		4
TRIP BLANK#2	-	-	-	-		2

Customer Remarks / Special Conditions / Possible Hazards: **SHORT HOLDS PRESENT (<72 hours): Y N N/A**

Type of Ice Used: **Wet** Blue Dry None

Packing Material Used: **2726968**

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

Date/Time: **10/12/12** Received by/Company: **[Signature]**

Date/Time: **10/12/12** Received by/Company: **[Signature]**

Date/Time: **10/12/12** Received by/Company: **[Signature]**



Document Name: Sample Condition Upon Receipt (SCUR) - MN

Document Revised: 14Apr2021

Page 1 of 1

Document No.: ENV-FRM-MIN4-0150 Rev.02

Pace Analytical Services - Minneapolis

Sample Condition Upon Receipt

Client Name: GHD

Project #: WO# : 10582258

PM: TS1 Due Date: 10/21/21 CLIENT: GHD

Courier: Fed Ex UPS USPS Client Pace Speedee Commercial

Tracking Number: See Exceptions ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No Biological Tissue Frozen? Yes No N/A

Packing Material: Bubble Wrap Bubble Bags None Other: Temp Blank? Yes No

Thermometer: T1(0461) T2(1336) T3(0459) OS418-LS Type of Ice: Wet Blue None Dry Melted

Did Samples Originate in West Virginia? Were All Container Temps Taken? Yes No N/A

Temp should be above freezing to 6°C Cooler Temp Read w/temp blank: 3.0, 3.6 °C Average Corrected Temp (no temp blank only): 3.0, 3.6 °C

USDA Regulated Soil: (N/A, water sample/Other:) Date/Initials of Person Examining Contents: RHL 10-8-21

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.


Table with 2 columns: Question and COMMENTS. Contains 14 rows of questions regarding sample handling, analysis, and documentation.

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: Comments/Resolution: Date/Time: Field Data Required? Yes No

Project Manager Review: Date: 10/11/21

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).

	Document Name: Sample Condition Upon Receipt (SCUR) Exception Form	Document Revised: 04Jun2020 Page 1 of 1
	Document No.: ENV-FRM-MIN4-0142 Rev.01	Pace Analytical Services - Minneapolis

SCUR Exceptions:

Workorder #:

Out of Temp Sample IDs	Container Type	# of Containers	PM Notified? <input type="checkbox"/> Yes <input type="checkbox"/> No																	
			If yes, indicate who was contacted/date/time. If no, indicate reason why.																	
			Multiple Cooler Project? <input type="checkbox"/> Yes <input type="checkbox"/> No If you answered yes, fill out information to the left.																	
			<table border="1"> <thead> <tr> <th colspan="3">No Temp Blank</th> </tr> <tr> <th>Read Temp</th> <th>Corrected Temp</th> <th>Average Temp</th> </tr> </thead> <tbody> <tr> <td>3.4</td> <td>J</td> <td rowspan="5">3.6</td> </tr> <tr> <td>3.8</td> <td>✓</td> </tr> <tr> <td>3.5</td> <td>u</td> </tr> <tr> <td>3.7</td> <td>e</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	No Temp Blank			Read Temp	Corrected Temp	Average Temp	3.4	J	3.6	3.8	✓	3.5	u	3.7	e		
No Temp Blank																				
Read Temp	Corrected Temp	Average Temp																		
3.4	J	3.6																		
3.8	✓																			
3.5	u																			
3.7	e																			

Tracking Number/Temperature

Issue Type:	Container Type	# of Containers
Sample ID	Type	

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preserv.	pH Upon Receipt	Date Adjusted	Time Adjusted	Amount Added (mL)	Lot # Added	pH After	In Compliance after addition? <input type="checkbox"/> Yes <input type="checkbox"/> No	Initials
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
								<input type="checkbox"/> Yes <input type="checkbox"/> No	

Comments:

Attachment 2

Data Quality Assessment & Validation Memorandum

Technical Memorandum

November 16, 2021

To	Sarah Illi, GHD	Tel	612-524-6836
		Email	grant.anderson@ghd.com
From	Grant Anderson/mg/1	Ref. No.	002012
Subject	Analytical Results and Reduced Validation Residential Well Sampling Event Highway 96 Site White Bear Township, Minnesota October 2021		

1. Introduction

This document details a reduced validation of analytical results for residential well water samples collected in support of the residential well monitoring event at the Hwy 96 Site during October 2021. Samples were submitted to Pace Analytical Services, Inc. (Pace), located in Minneapolis, Minnesota. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

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

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

- i. "National Functional Guidelines for Inorganic Superfund Methods Data Review", USEPA 540-R-2017-001, January 2017.
- ii. "National Functional Guidelines for Organic Superfund Methods Data Review", USEPA 540-R-2017-002, January 2017.

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

2. Sample Holding Time

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and the analytical report were used to determine sample holding times. All samples were prepared and analyzed within the required holding times.

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

3. Laboratory Method Blank Analyses

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

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

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

4. Surrogate Spike Recoveries – Organic Analyses

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

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

Surrogate recoveries were assessed per the "Guidelines". All surrogate recoveries were within the laboratory control limits, indicating individual sample performance was adequate.

5. Laboratory Control Sample (LCS) Analyses

LCS and/or laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

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

5.1 Organic Analyses

The LCS/LCSD contained all compounds of interest. LCS/LCSD recoveries were assessed per the "Guidelines". With the exception of chloroethane and chloromethane, the LCS/LCSD recoveries and RPDs were within the laboratory control limits. Table 4 lists the outlying LCS/LCSD recoveries. Associated sample data are qualified as noted in the table.

5.2 Inorganic Analyses

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

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

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed.

MS/MSD analyses were performed as specified in Table 1. The laboratory performed additional site-specific MS/MSD analyses internally.

6.1 Organic Analyses

The MS/MSD samples were spiked with all compounds of interest, and the results were evaluated using the "Guidelines". Table 5 lists outlying MS/MSD recoveries. Associated sample data are qualified as noted in the table.

6.2 Inorganic Analyses

The MS/MSD samples were spiked with the analytes of interest, and the results were evaluated using the "Guidelines". Table 5 lists outlying MS/MSD recoveries. Associated sample data are qualified as noted in the table.

7. Field QA/QC Samples

The field QA/QC consisted of two trip blank samples, three field blank samples, and three field duplicate sample sets.

7.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blank samples were submitted to the laboratory for VOC analysis as identified in Table 1. All results were non-detect for the compounds of interest.

7.2 Field Blank Sample Analysis

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

7.3 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, three field duplicate sample sets were collected and submitted "blind" to the laboratory, as specified in Table 1. If both sample results associated with the field duplicate sample set are detects greater than five times the reporting limit (RL), the RPD must be less than 50 percent. If one of the sample results associated with the field duplicate sample set is non-detect, the RPD must be less than 50 percent (using the RL in place of the non-detect result to calculate the RPD). If any reported concentration in the field duplicate sample set is between one times the RL and five times the RL, the difference between the results must be less than one times the RL value (using the RL in place of the non-detect result to calculate the difference). If any reported concentration in the field duplicate sample set is less than the RL, the difference between the results must be less than one times the method detection limit (MDL) value (using the MDL in place of the non-detect result to calculate the difference).

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

8. Analyte Reporting

VOCs (8260D LL)

Pace reported detected results down to the laboratory's MDL for a select list of VOC analytes, as approved by the Minnesota Pollution Control Agency (MPCA). This list includes: 1,1-dichloroethane, cis-1,2-dichloroethene and vinyl chloride. Positive analyte detections less than the quantitation limit (i.e., RL) but greater than the MDL were qualified as estimated (J) unless qualified otherwise in this memorandum. The remaining VOC analytes were reported down to the laboratory RL. Non-detect results were presented as non-detect at the laboratory RL.

Chloride (300.0)

Pace reported detected results down to the laboratory RL. Non-detect results were presented as non-detect at the laboratory RL.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

Regards,



Grant Anderson
Analyst

Encl.

Table 1

**Sample Collection and Analysis Summary
Residential Well Sampling Event
Highway 96 Site
White Bear Township, Minnesota
October 2021**

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters	Comments
RW-211006-KJ-01	SKI-04	water	10/06/2021	10:39	VOC (8260D LL), chloride	
RW-211006-KJ-02	SKI-06	water	10/06/2021	10:50	VOC (8260D LL), chloride	
RW-211006-KJ-03	SKI-06	water	10/06/2021	10:51	VOC (8260D LL), chloride	Duplicate (KJ-02)
RW-211006-KJ-04	SKI-08	water	10/06/2021	11:14	VOC (8260D LL), chloride	Field Blank
RW-211006-KJ-05	SKI-08	water	10/06/2021	11:16	VOC (8260D LL), chloride	
RW-211006-KJ-06	SKI-10	water	10/06/2021	11:30	VOC (8260D LL), chloride	
RW-211006-KJ-07	SKI-14	water	10/06/2021	11:45	VOC (8260D LL), chloride	MS/MSD
RW-211006-KJ-08	SKI-16	water	10/06/2021	12:00	VOC (8260D LL), chloride	
RW-211006-KJ-09	BUF-03	water	10/06/2021	12:15	VOC (8260D LL), chloride	
RW-211006-KJ-10	BUF-01	water	10/06/2021	12:30	VOC (8260D LL), chloride	
RW-211006-KJ-11	EAG-06	water	10/06/2021	12:40	VOC (8260D LL), chloride	
RW-211006-KJ-12	EAG-04	water	10/06/2021	12:55	VOC (8260D LL), chloride	
RW-211006-KJ-13	EAG-03	water	10/06/2021	13:10	VOC (8260D LL), chloride	
RW-211006-KJ-14	EAG-02	water	10/06/2021	13:18	VOC (8260D LL), chloride	
RW-211006-KJ-15	EAG-02	water	10/06/2021	13:20	VOC (8260D LL), chloride	Duplicate (KJ-14)
RW-211006-KJ-16	EAG-01	water	10/06/2021	13:35	VOC (8260D LL), chloride	Field Blank
RW-211006-KJ-17	EAG-01	water	10/06/2021	13:40	VOC (8260D LL), chloride	
RW-211006-KJ-18	EAS-50	water	10/06/2021	13:55	VOC (8260D LL), chloride	
RW-211006-KJ-19	EAS-44	water	10/06/2021	14:14	VOC (8260D LL), chloride	
RW-211006-KJ-20	POP-08	water	10/06/2021	14:02	VOC (8260D LL), chloride	
RW-211006-KJ-21	WES-15	water	10/06/2021	14:42	VOC (8260D LL), chloride	
TRIP BLANK #1	Lab	water	10/06/2021	00:00	VOC (8260D LL)	Trip Blank
RW-211007-KJ-22	SKI-12	water	10/07/2021	09:45	VOC (8260D LL), chloride	
RW-211007-KJ-23	SKI-12	water	10/07/2021	09:46	VOC (8260D LL), chloride	Duplicate (KJ-22)
RW-211007-KJ-24	WES-08	water	10/07/2021	10:15	VOC (8260D LL), chloride	Field Blank
RW-211007-KJ-25	WES-08	water	10/07/2021	10:17	VOC (8260D LL), chloride	
RW-211007-KJ-26	WES-09	water	10/07/2021	10:46	VOC (8260D LL), chloride	MS/MSD
RW-211007-KJ-27	WES-11	water	10/07/2021	10:51	VOC (8260D LL), chloride	
RW-211007-KJ-28	THO-01	water	10/07/2021	11:22	VOC (8260D LL), chloride	
RW-211007-KJ-29	THO-04	water	10/07/2021	11:27	VOC (8260D LL), chloride	
RW-211007-KJ-30	THO-03	water	10/07/2021	11:32	VOC (8260D LL), chloride	
RW-211007-KJ-31	QUA-03	water	10/07/2021	11:57	VOC (8260D LL), chloride	
TRIP BLANK #2	Lab	water	10/07/2021	00:00	VOC (8260D LL)	Trip Blank

Notes:

VOC - Volatile Organic Compounds

MS/MSD - Matrix Spike/Matrix Spike Duplicate

Table 2
Validated Analytical Results Summary
Sample Collection and Analysis Summary
Residential Well Sampling Event
Highway 96 Site
White Bear Township, Minnesota
October 2021

Table with columns for Location ID, Sample Name, Sample Date, and 30 monitoring wells (BUF-01 to WES-11). Rows list various chemical parameters such as Volatile Organic Compounds, Chlorinated Hydrocarbons, and Heavy Metals, with corresponding units and values.

Notes:
U - Not detected at the associated reporting limit
J - Estimated concentration
J - Estimated concentration; result may be biased low
U - Not detected, associated reporting limit is estimated

Table 3

**Analytical Methods and Holding Time Criteria
Residential Well Sampling Event
Highway 96 Site
White Bear Township, Minnesota
October 2021**

Parameter	Method	Matrix	Holding Time	
			Collection to Extraction (Days)	Collection or Extraction to Analysis (Days)
VOC	SW 8260D Low Level	Water	-	14
Chloride	EPA 300.0	Water	-	28

Notes:

VOC - Volatile Organic Compounds

Method References:

SW - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and it's updates.

EPA - "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

Table 4
Qualified Sample Results Due to Outlying LCS/LCSD Results
Residential Well Sampling Event
Highway 96 Site
White Bear Township, Minnesota
October 2021

Parameter	Analyte	LCS Batch	LCS % Recovery	LCSD % Recovery	RPD (percent)	Control Limits		Associated Sample ID	Qualified Result	Units
						% Recovery	RPD			
VOC	Chloroethane	778249	68	76	11	71-125	20	RW-211006-KJ-19	1.0 UJ	ug/L
								RW-211006-KJ-20	1.0 UJ	ug/L
								RW-211006-KJ-21	1.0 UJ	ug/L
								RW-211007-KJ-22	1.0 UJ	ug/L
								RW-211007-KJ-23	1.0 UJ	ug/L
								RW-211007-KJ-24	1.0 UJ	ug/L
								RW-211007-KJ-25	1.0 UJ	ug/L
								RW-211007-KJ-26	1.0 UJ	ug/L
								RW-211007-KJ-27	1.0 UJ	ug/L
								RW-211007-KJ-28	1.0 UJ	ug/L
								RW-211007-KJ-29	1.0 UJ	ug/L
								RW-211007-KJ-30	1.0 UJ	ug/L
								RW-211007-KJ-31	1.0 UJ	ug/L
VOC	Chloromethane (Methyl Chloride)	778249	62	66	6	65-125	20	RW-211006-KJ-19	4.0 UJ	ug/L
								RW-211006-KJ-20	4.0 UJ	ug/L
								RW-211006-KJ-21	4.0 UJ	ug/L
								RW-211007-KJ-22	4.0 UJ	ug/L
								RW-211007-KJ-23	4.0 UJ	ug/L
								RW-211007-KJ-24	4.0 UJ	ug/L
								RW-211007-KJ-25	4.0 UJ	ug/L
								RW-211007-KJ-26	4.0 UJ	ug/L
								RW-211007-KJ-27	4.0 UJ	ug/L
								RW-211007-KJ-28	4.0 UJ	ug/L
								RW-211007-KJ-29	4.0 UJ	ug/L
								RW-211007-KJ-30	4.0 UJ	ug/L
								RW-211007-KJ-31	4.0 UJ	ug/L

Notes:
VOC - Volatile Organic Compounds
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
RPD - Relative Percent Difference
UJ - Not detected; associated reporting limit is estimated

Table 5
Qualified Sample Results Due to Outlying MS/MSD Results
Residential Well Sampling Event
Highway 96 Site
White Bear Township, Minnesota
October 2021

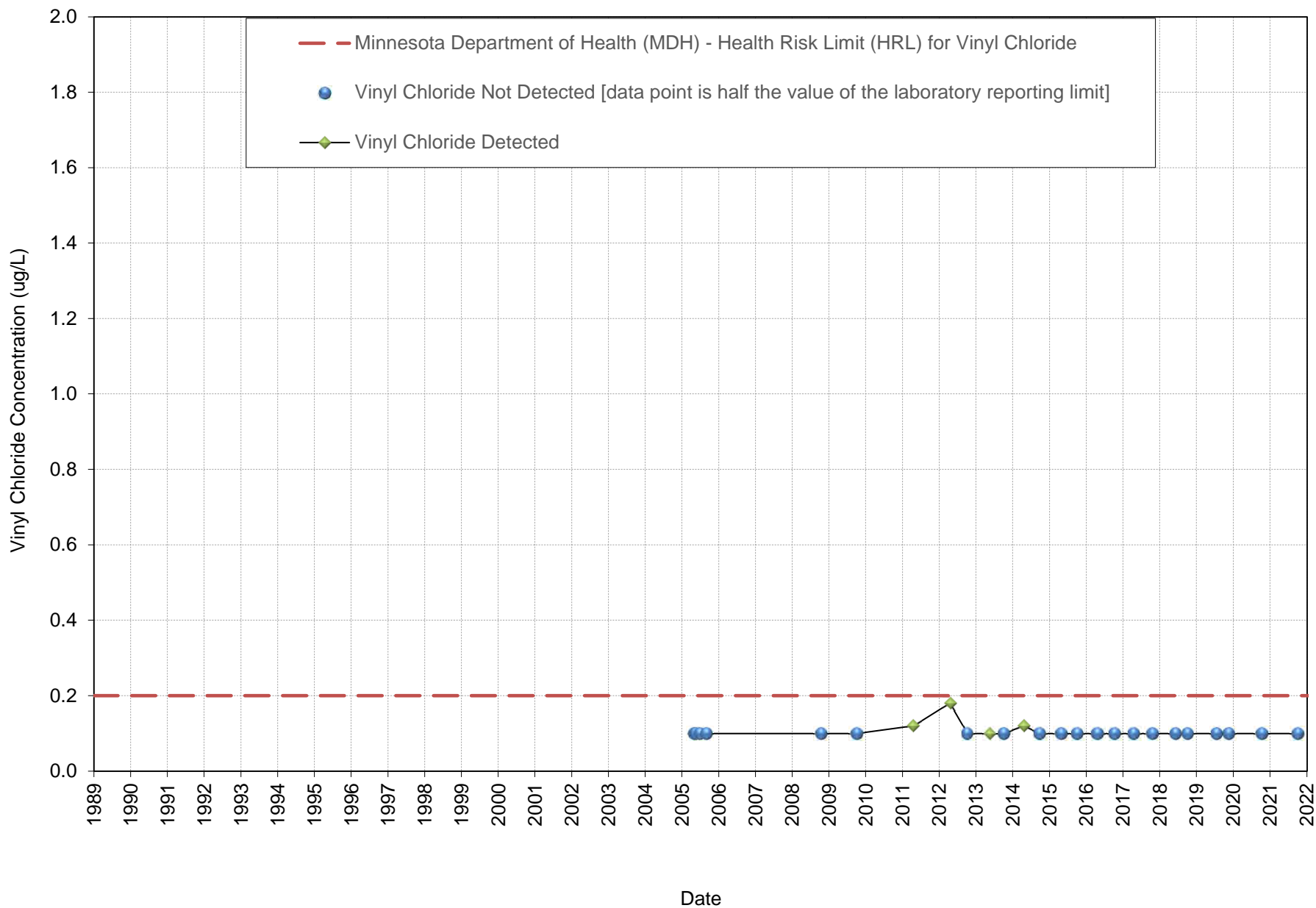
Parameter	Sample ID	Analyte	MS	MSD	RPD (percent)	Control Limits		Qualified Result	Units
			% Recovery	% Recovery		% Recovery	RPD		
General Chemistry	RW-211006-KJ-01	Chloride	72	70	1	80-120	20	42.0 J-	mg/L
	RW-211006-KJ-02							33.2 J-	mg/L
	RW-211006-KJ-03							32.9 J-	mg/L
	RW-211006-KJ-04							1.2 UJ	mg/L
	RW-211006-KJ-05							40.2 J-	mg/L
	RW-211006-KJ-06							28.0 J-	mg/L
	RW-211006-KJ-07							40.5 J-	mg/L
	RW-211006-KJ-08							26.5 J-	mg/L
	RW-211006-KJ-09							36.8 J-	mg/L
	RW-211006-KJ-10							35.5 J-	mg/L
	RW-211006-KJ-11							43.6 J-	mg/L
	RW-211006-KJ-12							29.8 J-	mg/L
	RW-211006-KJ-13							30.9 J-	mg/L
	RW-211006-KJ-14							38.3 J-	mg/L
	RW-211006-KJ-15							38.6 J-	mg/L
	RW-211006-KJ-16							1.2 UJ	mg/L
	RW-211006-KJ-17							29.4 J-	mg/L
	RW-211006-KJ-18							33.4 J-	mg/L
	RW-211006-KJ-19							15.6 J-	mg/L
	RW-211006-KJ-20							40.7 J-	mg/L
VOC	RW-211006-KJ-07	Chloroethane	62	50	22	70-135	20	1.0 UJ	ug/L
VOC	RW-211007-KJ-26	1,2,3-Trichlorobenzene	69	57	20	73-132	30	0.50 UJ	ug/L
		1,2,4-Trichlorobenzene	67	50	29	68-131	30	0.50 UJ	ug/L
		1,2,4-Trimethylbenzene	73	54	30	75-129	30	0.50 UJ	ug/L
		1,3,5-Trimethylbenzene	74	54	30	75-132	30	0.50 UJ	ug/L
		1,3-Dichlorobenzene	73	54	30	75-131	30	0.50 UJ	ug/L
		1,4-Dichlorobenzene	71	53	29	72-127	30	0.50 UJ	ug/L
		4-Chlorotoluene	72	55	28	75-125	30	0.50 UJ	ug/L
		Bromomethane (Methyl bromide)	25	28	9	30-150	30	4.0 UJ	ug/L
		Chloroethane	42	48	14	70-135	30	1.0 UJ	ug/L
		Chloromethane (Methyl chloride)	42	48	13	57-136	30	4.0 UJ	ug/L
		Dichlorofluoromethane	49	56	13	60-150	30	1.0 UJ	ug/L
		N-Butylbenzene	71	52	30	74-138	30	0.50 UJ	ug/L
Trichlorofluoromethane (CFC-11)	49	60	21	72-142	30	1.0 UJ	ug/L		
Vinyl chloride	48	56	16	58-144	30	0.20 UJ	ug/L		

Notes:
VOC - Volatile Organic Compounds
MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
J- - Estimated concentration; result may be biased low
UJ - Not detected; associated reporting limit is estimated

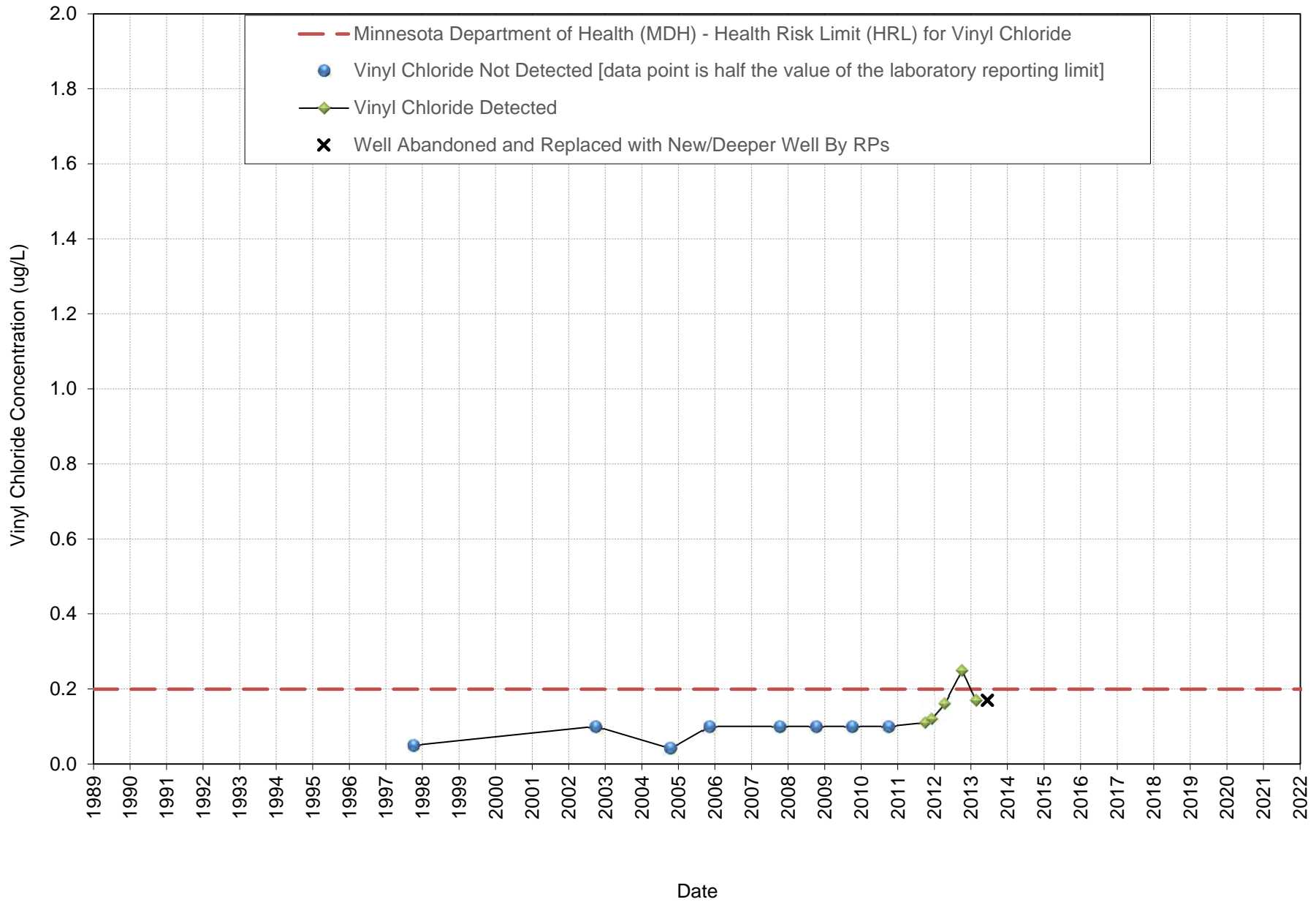
Attachment 3

Vinyl Chloride Graphs

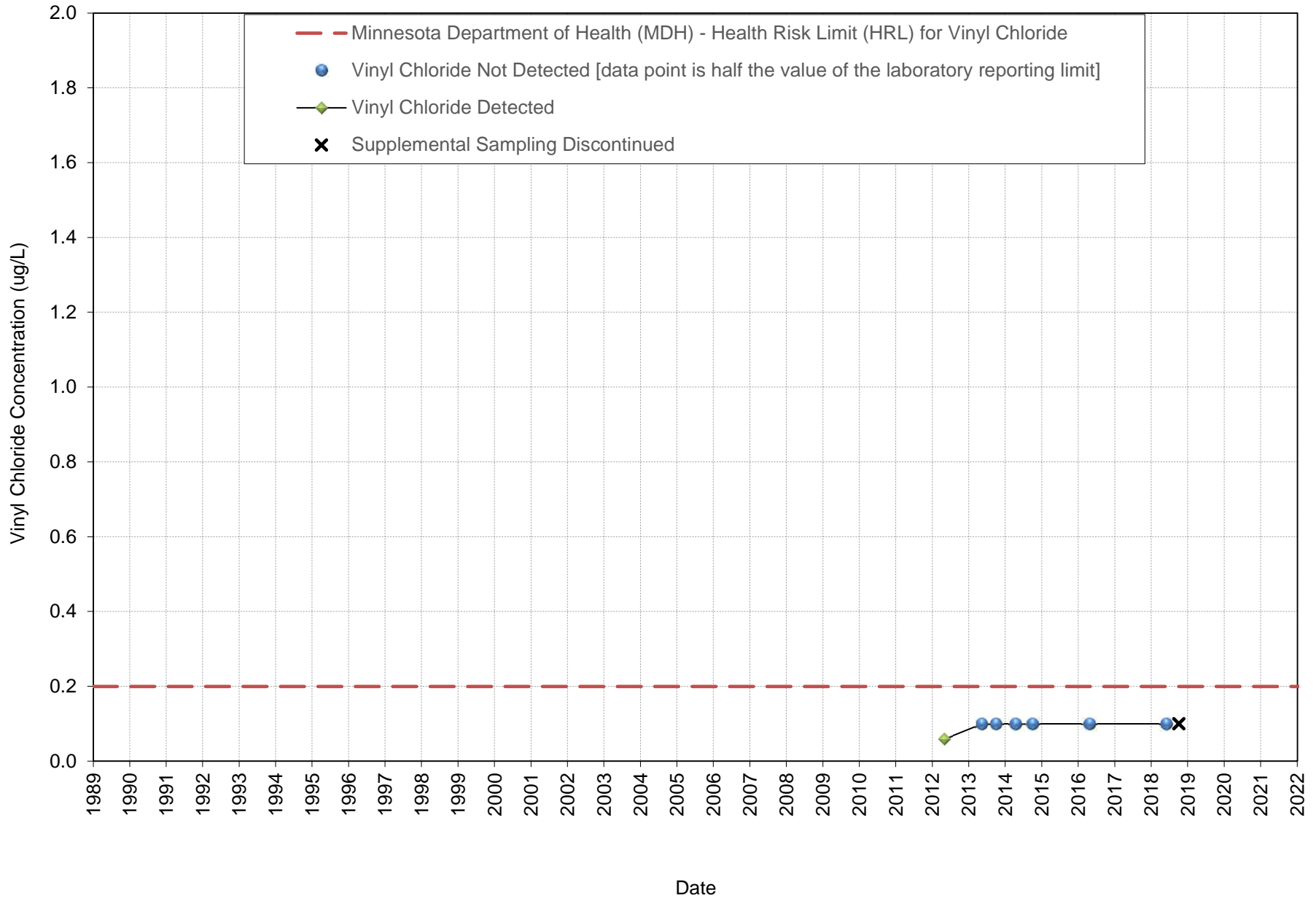
Historical Vinyl Chloride Concentrations 50 East Oaks Road North Oaks, Minnesota



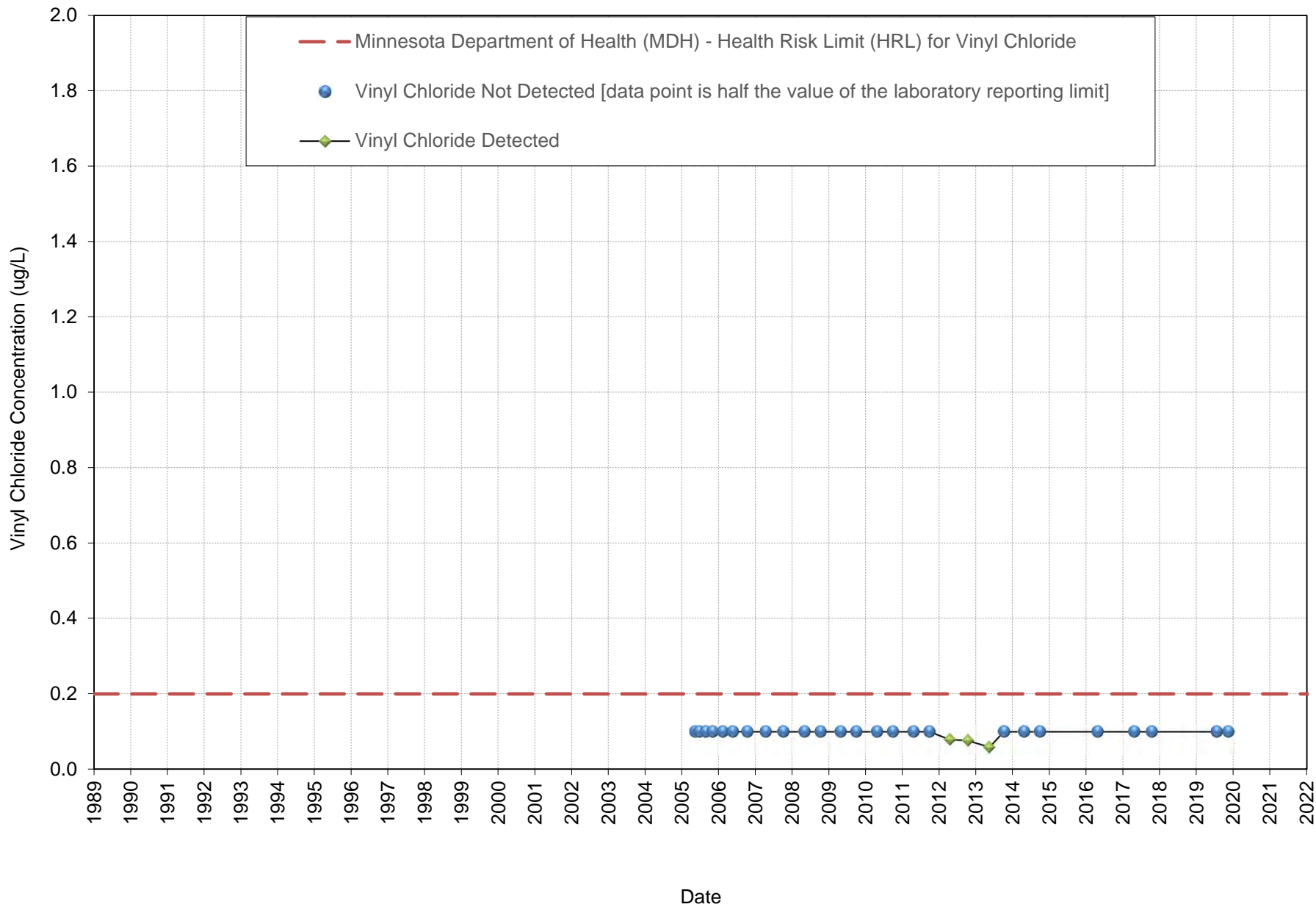
Historical Vinyl Chloride Concentrations 2 Heron Lane (Old Well) North Oaks, Minnesota



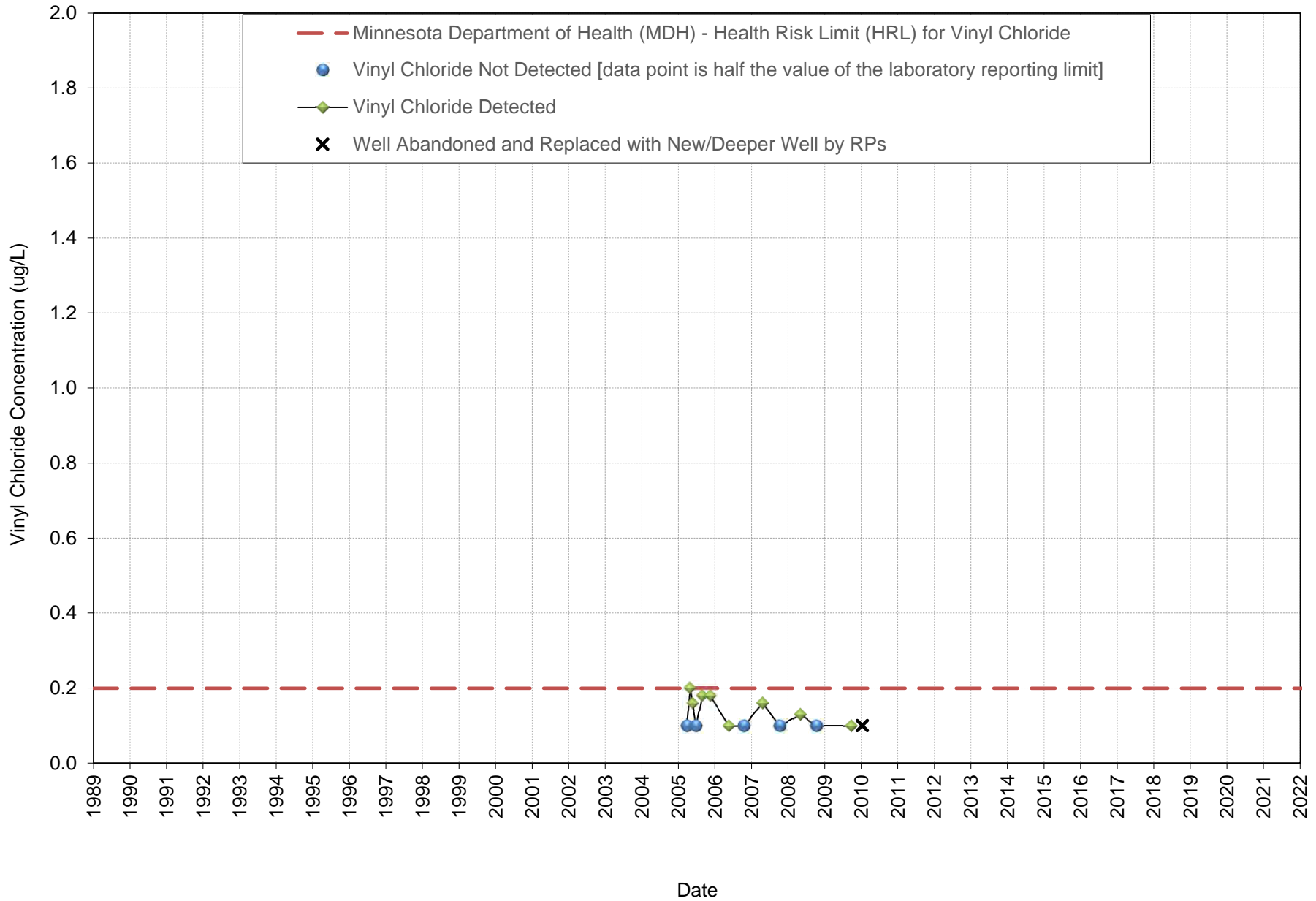
Historical Vinyl Chloride Concentrations 3 Heron Lane North Oaks, Minnesota



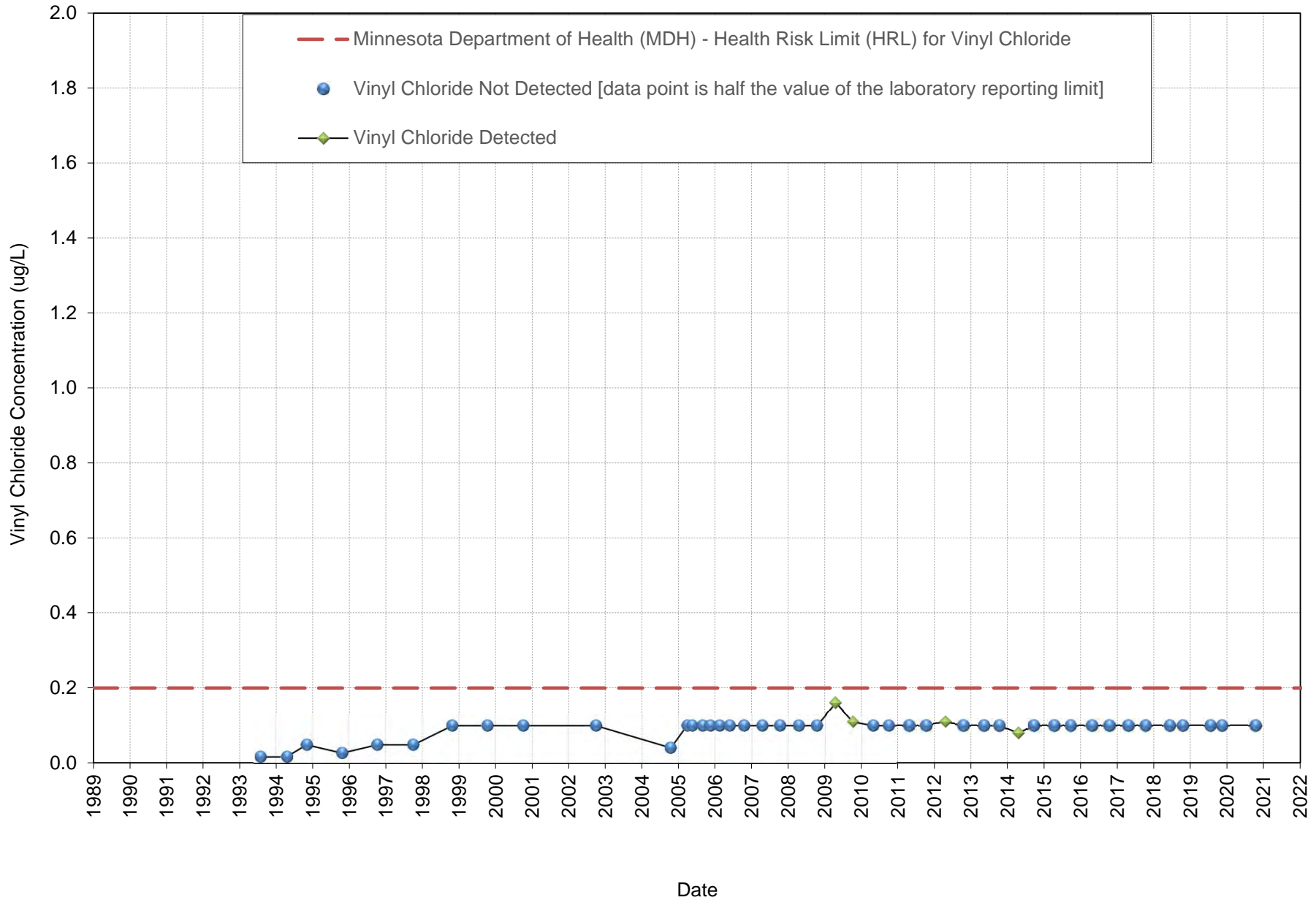
Historical Vinyl Chloride Concentrations 1 Hummingbird Hill North Oaks, Minnesota



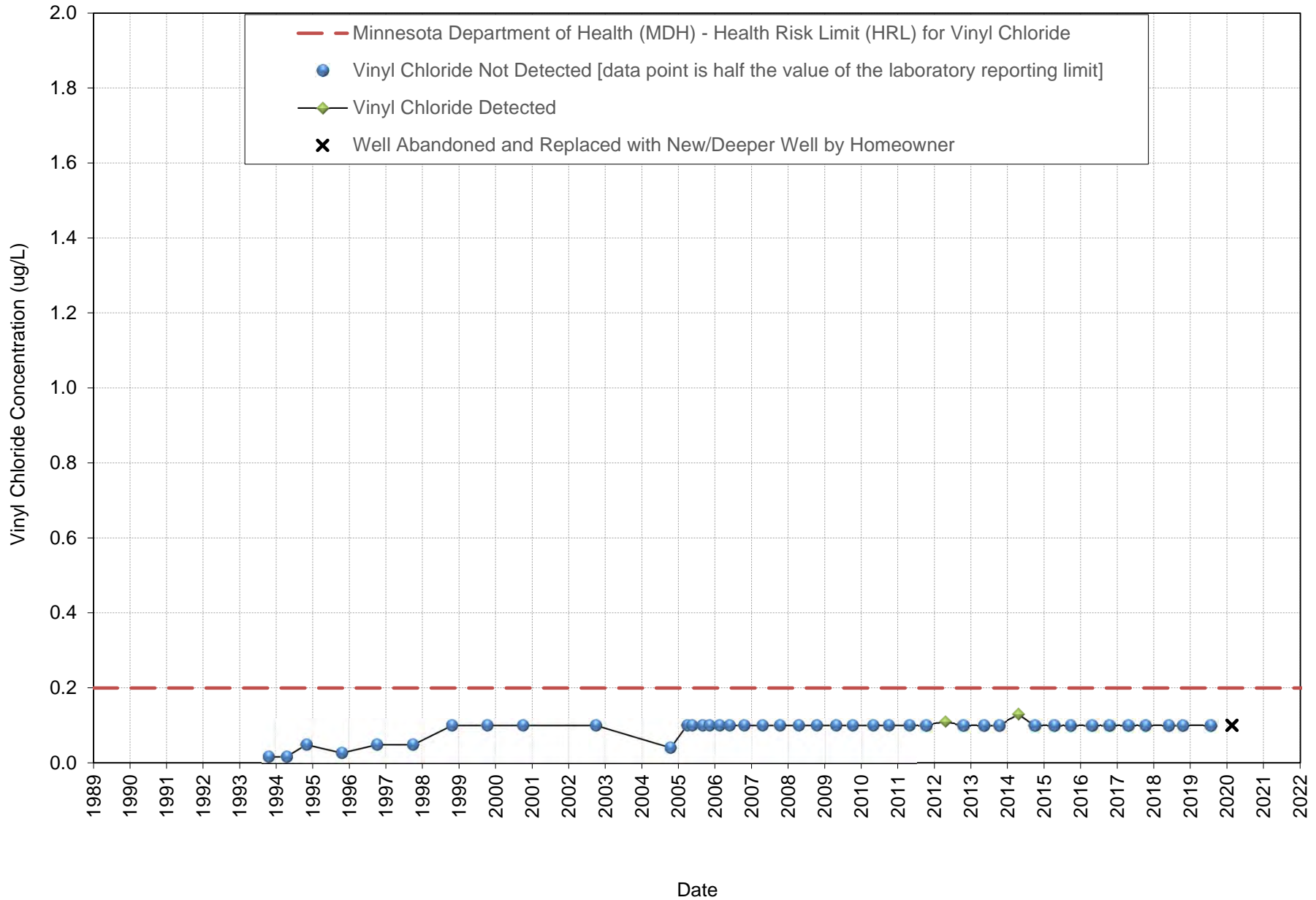
Historical Vinyl Chloride Concentrations 2 Hummingbird Hill (Old Well) North Oaks, Minnesota



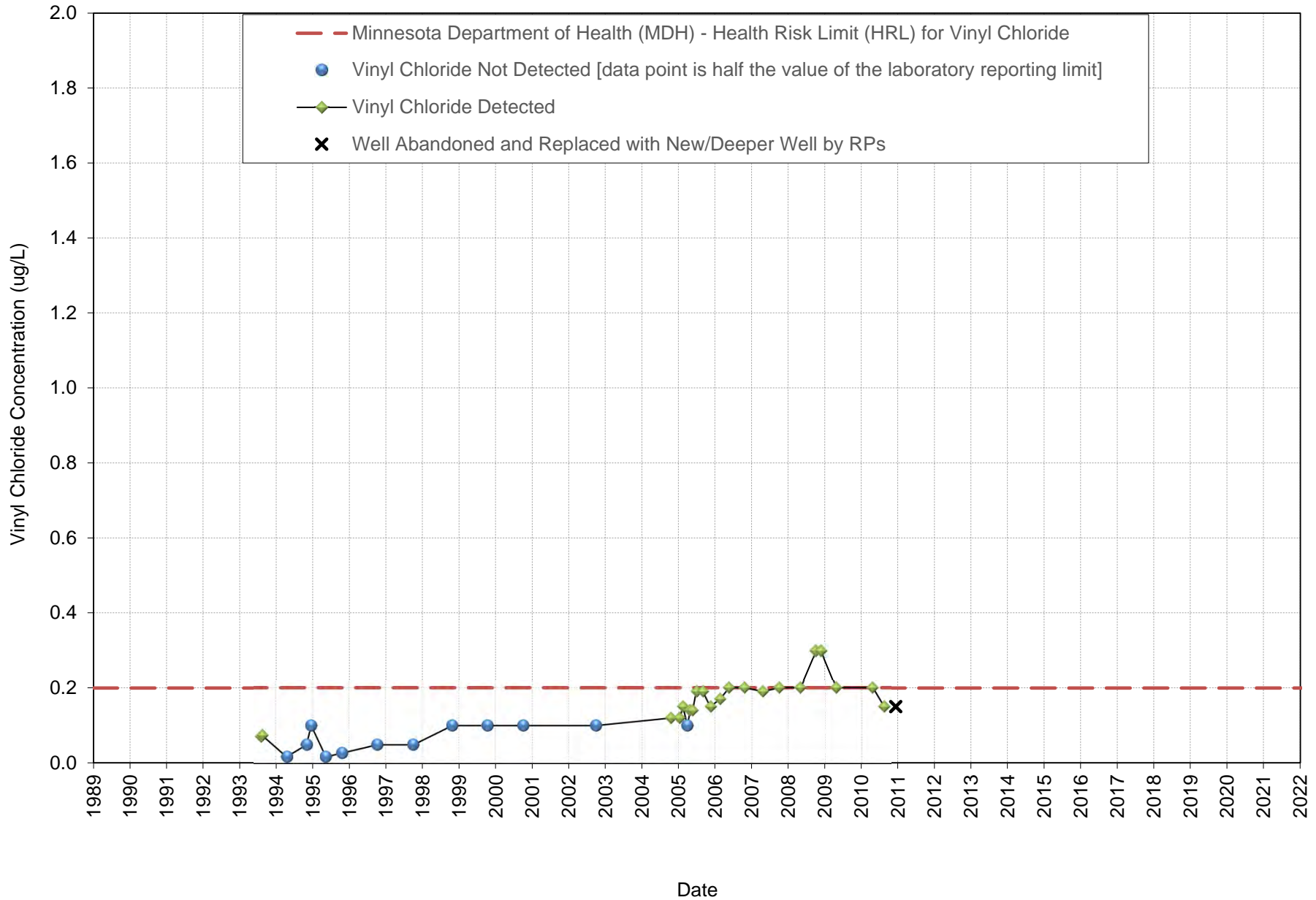
Historical Vinyl Chloride Concentrations 10 West Shore Road North Oaks, Minnesota



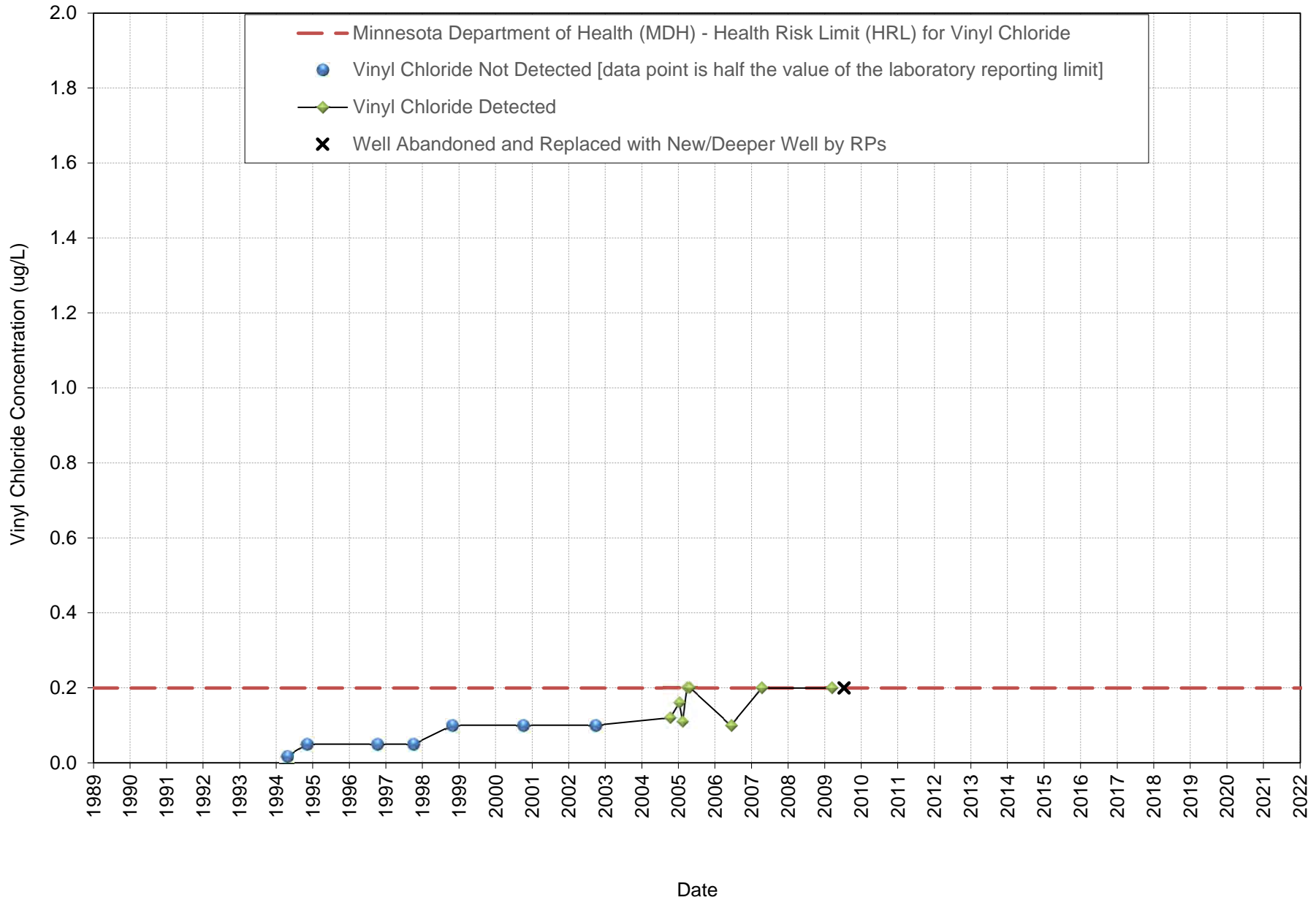
Historical Vinyl Chloride Concentrations 11 West Shore Road (Old Well) North Oaks, Minnesota



Historical Vinyl Chloride Concentrations 12 West Shore Road (Old Well) North Oaks, Minnesota



Historical Vinyl Chloride Concentrations 13 West Shore Road (Old Well) North Oaks, Minnesota



Historical Vinyl Chloride Concentrations 15 West Shore Road North Oaks, Minnesota

