



December 9, 2020

Reference No. 002012-01-041

Ms. Yodit Sheido
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, Minnesota 55155-4194

Dear Ms. Sheido:

**Re: Data Report
October 2020 Residential Well Sampling Event
North Oaks, Minnesota**

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 2020 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 2020 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 2020 residential well sampling event included Sampling Group A (28 homes), as defined in MDD Amendment 2. During the period from October 14-15, 2020, GHD was able to collect samples from 22 locations where expressed permission was obtained from the resident and a water source was available. GHD was unable to collect samples from six of the planned sampling locations because the resident either declined sampling, did not respond, their spigots were winterized, or the house had been razed and the well was abandoned (see Section 2.1). 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 524.2) 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 2020 Residential Well Sampling Event are provided as Attachments A and B, 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 B). A validated summary of analytical results associated with the October 2020 Residential Well Sampling Event is presented in Table 2. The Minnesota Department of Health (MDH) Health-Based Guidance (HBG) values for any 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.

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 2020. The method detection limit (MDL) and laboratory reporting limit (RL) associated with the October 2020 laboratory results for VC are 0.086 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/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.)
- 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 eight years (since May 2012) and there have been no detections of VC for the last 12 consecutive sampling events (since April 2014). Graphs of historical VC results for the above-referenced residential wells are provided as Attachment C.

Other MPCA-Listed VOCs

As presented in Table 2, 11DCA was detected in one residential well sample collected in October 2020: 1 Buffalo Road (0.22 J µg/L). The October 2020 detection of 11DCA at this location is consistent with previous sampling results. There is no promulgated MDH HRL for 11DCA. The current MDH Risk Assessment Advice (RAA) for 11DCA (developed in 2016) is 80 µg/L. To date, 11DCA has not been detected above the MDH RAA at any residential well location in OU4.

No other MPCA-Listed VOCs were detected in samples collected during the October 2020 Residential Well Sampling Event.

Non-Listed VOCs

No other VOCs were detected in samples collected during the October 2020 Residential Well Sampling Event.



2.2 Chloride

As presented in Table 2, Chloride concentrations in residential well samples collected in October 2020 ranged from 5.2 mg/L (8 West Shore Road) to 118 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 2021. 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 us at (651) 639-0913.

Sincerely,

GHD

Handwritten signature of Sarah Illi in black ink.

Sarah Illi, P.E.

Handwritten signature of Brian Sandberg in black ink.

Brian Sandberg, P.G.

SI/md/4

Encl.

cc: Dan Peña, Minnesota Department of Health
Mayor, City of North Oaks
City Administrator, City of North Oaks
Michelle Hosfield, Wenck Associates
Highway 96 PRP Group

Figures

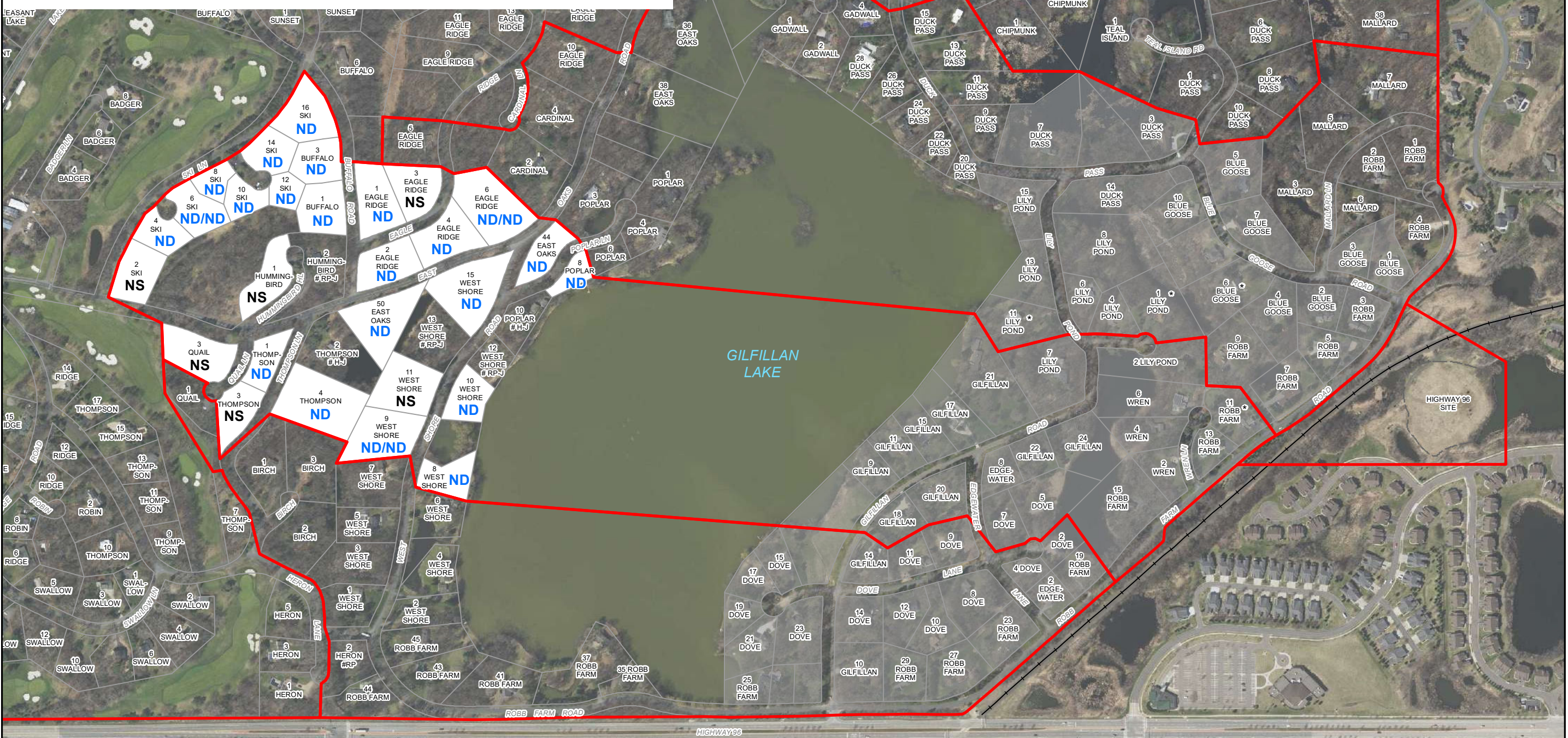
OCTOBER 2020

22 WELLS SAMPLED

22 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)



LEGEND

- ND** VINYL CHLORIDE NOT DETECTED (DETECTION LIMIT = 0.086 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 HOMEOWNERS REQUEST/EXPENSE) [OLD WELL ABANDONED]
- #H-J** NEW WELL INSTALLED BY HOMEOWNER (JORDAN AQUIFER) [OLD WELL ABANDONED]
- *** CONVERTED RESIDENTIAL MONITORING WELL LOCATION



- CONNECTED TO MUNICIPAL WATER SUPPLY
- GEOGRAPHIC AREAS

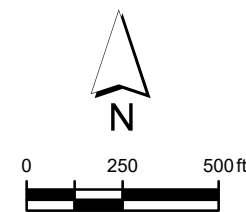


figure 1
VINYL CHLORIDE CONCENTRATIONS
(OCTOBER 2020)
North Oaks, Minnesota

Tables

Table 1
Sampling Summary
October 2020 Residential Well Sampling Event
North Oaks, 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	W-201014-KJ-11	10/14/2020	12:58	20	9	10.54	7.46	-177	688	0.00	0.0	clear	--	--	--
BUF-03	3 Buffalo Road	W-201014-KJ-10	10/14/2020	12:28	20	8	10.08	7.44	-157	678	0.00	0.0	clear	--	--	Treated Sample (post water softener)
EAG-01	1 Eagle Ridge Road	W-201014-KJ-12	10/14/2020	13:30	20	7	13.47	7.68	-211	656	0.00	3.2	clear	--	--	Treated Sample (post iron filter)
EAG-02	2 Eagle Ridge Road	W-201014-KJ-17	10/14/2020	15:00	20	10	10.71	7.44	-179	700	0.00	0.0	clear	--	--	--
EAG-03	3 Eagle Ridge Road	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled (no reponse from resident)
EAG-04	4 Eagle Ridge Road	W-201014-KJ-16	10/14/2020	14:32	20	6	10.59	7.34	-192	701	0.00	0.0	clear	FB	W-201014-KJ-15	--
EAG-06	6 Eagle Ridge Road	W-201014-KJ-13	10/14/2020	14:05	20	12	11.00	7.45	-182	744	0.00	0.0	clear	FD	W-201014-KJ-14	--
EAS-44	44 East Oaks Road	W-201015-KJ-21	10/15/2020	08:43	20	7	10.88	7.29	-155	595	0.00	0.5	clear	--	--	--
EAS-50	50 East Oaks Road	W-201015-KJ-29	10/15/2020	13:24	20	7	11.62	7.34	-179	729	0.00	17.5	clear	--	--	--
HUM-01	1 Hummingbird Hill	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled (resident declined)
POP-08	8 Poplar Lane	W-201015-KJ-20	10/15/2020	12:47	20	8	11.07	7.29	-162	642	0.00	23.0	clear	MS/MSD	--	Effervescence observed during sample collection
QUA-03	3 Quail Lane	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled (resident declined)
SKI-02	2 Ski Lane	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled (resident declined)

Table 1
Sampling Summary
October 2020 Residential Well Sampling Event
North Oaks, 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	W-201014-KJ-01	10/14/2020	09:05	20	5	10.71	7.46	-88	720	0.00	MM	clear	MS/MSD	MS/MSD	--
SKI-06	6 Ski Lane	W-201014-KJ-02	10/14/2020	09:41	20	4	10.41	7.42	-130	659	0.00	12.5	clear	FD	W-201014-KJ-03	--
SKI-08	8 Ski Lane	W-201014-KJ-04	10/14/2020	10:06	20	9	10.60	7.76	-195	697	0.00	0.0	clear	--	--	--
SKI-10	10 Ski Lane	W-201014-KJ-06	10/14/2020	10:35	20	9	11.38	7.64	-165	667	0.00	0.0	clear	FB	W-201014-KJ-05	--
SKI-12	12 Ski Lane	W-201014-KJ-07	11/14/2020	11:01	20	8	10.59	7.58	-177	677	0.00	0.9	clear	--	--	--
SKI-14	14 Ski Lane	W-201014-KJ-08	11/14/2020	11:26	20	6	10.98	7.73	-203	733	0.00	2.2	clear	--	--	--
SKI-16	16 Ski Lane	W-201014-KJ-09	11/14/2020	11:57	20	9	10.41	7.68	-182	610	0.00	0.0	clear	--	--	--
THO-01	1 Thompson Lane	W-201015-KJ-24	10/15/2020	10:36	40	3	11.13	7.51	-159	666	0.00	1.9	clear	--	--	Purge Time Extended (max purge rate 3 gpm)
THO-03	3 Thompson Lane	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled (no response from resident)
THO-04	4 Thompson Lane	W-201015-KJ-30	10/15/2020	13:53	20	6	11.11	7.35	-163	1,030	0.00	1.7	clear	--	--	--
WES-08	8 West Shore Road	W-201015-KJ-28	10/15/2020	12:17	20	7	11.64	7.46	-182	603	0.00	2.9	clear	FB	W-201015-KJ-27	--
WES-09	9 West Shore Road	W-201015-KJ-25	10/15/2020	11:46	20	10	11.25	7.39	-177	688	0.00	17.2	clear	FD	W-201015-KJ-26	--
WES-10	10 West Shore Road	W-201015-KJ-23	10/15/2020	09:43	20	5	11.42	7.21	-110	671	4.27	0.5	clear	--	--	--

Table 1
Sampling Summary
October 2020 Residential Well Sampling Event
North Oaks, 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-11	11 West Shore Road	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	Not Sampled (house razed and well abandoned)
WES-15	15 West Shore Road	W-201015-KJ-22	10/15/2020	09:12	20	8	11.07	7.27	-172	742	0.00	0.8	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
- MM - Meter Malfunction Suspected
- mV - Millivolts
- 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 2020 Residential Well Sampling Event
North Oaks, Minnesota**

Location ID	Well Address	Sample ID	Date	HBG Basis HBG Value Units QA/QC	Chloride -- mg/L	1,1-Dichloroethane RAA16 80 µg/L
BUF-01	1 Buffalo Road	W-201014-KJ-11	10/14/2020		30.7	0.22 J
BUF-03	3 Buffalo Road	W-201014-KJ-10	10/14/2020		29.6	< 0.50
EAG-01	1 Eagle Ridge Road	W-201014-KJ-12	10/14/2020		24.6	< 0.50
EAG-02	2 Eagle Ridge Road	W-201014-KJ-17	10/14/2020		30.9	< 0.50
EAG-04	4 Eagle Ridge Road	W-201014-KJ-16	10/14/2020		27.2	< 0.50
EAG-06	6 Eagle Ridge Road	W-201014-KJ-13	10/14/2020		41.8	< 0.50
EAG-06	6 Eagle Ridge Road	W-201014-KJ-14	10/14/2020	FD	41.9	< 0.50
EAS-44	44 East Oaks Road	W-201015-KJ-21	10/15/2020		13.6	< 0.50
EAS-50	50 East Oaks Road	W-201015-KJ-29	10/15/2020		34.6	< 0.50
POP-08	8 Poplar Lane	W-201015-KJ-20	10/15/2020		36.4	< 0.50
SKI-04	4 Ski Lane	W-201014-KJ-01	10/14/2020		37.5	< 0.50
SKI-06	6 Ski Lane	W-201014-KJ-02	10/14/2020		28.1	< 0.50
SKI-06	6 Ski Lane	W-201014-KJ-03	10/14/2020	FD	28.1	< 0.50
SKI-08	8 Ski Lane	W-201014-KJ-04	10/14/2020		28.8	< 0.50
SKI-10	10 Ski Lane	W-201014-KJ-06	10/14/2020		25.0	< 0.50
SKI-12	12 Ski Lane	W-201014-KJ-07	10/14/2020		26.0	< 0.50
SKI-14	14 Ski Lane	W-201014-KJ-08	10/14/2020		36.8	< 0.50
SKI-16	16 Ski Lane	W-201014-KJ-09	10/14/2020		27.5	< 0.50
THO-01	1 Thompson Lane	W-201015-KJ-24	10/15/2020		27.7	< 0.50
THO-04	4 Thompson Lane	W-201015-KJ-30	10/15/2020		118.0	< 0.50
WES-08	8 West Shore Road	W-201015-KJ-28	10/15/2020		5.2	< 0.50
WES-09	9 West Shore Road	W-201015-KJ-25	10/15/2020		25.0	< 0.50
WES-09	9 West Shore Road	W-201015-KJ-26	10/15/2020	FD	25.0	< 0.50
WES-10	10 West Shore Road	W-201015-KJ-23	10/15/2020		28.6	< 0.50
WES-15	15 West Shore Road	W-201015-KJ-22	10/15/2020		38.3	< 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)
- - Not established/no data
- < - Not detected above the noted reporting limit.
- FD - Field Duplicate
- J - Estimated result
- mg/L - Milligrams per liter
- QA/QC - Quality Assurance/Quality Control sample type
- RAA - Risk Assessment Advice (year developed)
- µg/L - Micrograms per liter

Attachments

Attachment A Laboratory Reports

October 30, 2020

Mr. Grant Anderson
GHD
1801 Old Highway 8 NW
Suite 114
St. Paul, MN 55112

RE: Project: 002012-Revised Report
Pace Project No.: 10535595

Dear Mr. Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 14, 2020. 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 October 30, 2020 to update the reporting format.

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

cc: Sarah Illi, GHD



REPORT OF LABORATORY ANALYSIS

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

Project: 002012-Revised Report

Pace Project No.: 10535595

Pace Analytical Services - 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+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

Massachusetts DWP Certification #: via MN 027-053-137

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 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 #: CL101

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-Revised Report
Pace Project No.: 10535595

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10535595001	W-201014-KJ-01	Drinking Water	10/14/20 09:05	10/14/20 19:00
10535595002	W-201014-KJ-02	Drinking Water	10/14/20 09:41	10/14/20 19:00
10535595003	W-201014-KJ-03	Drinking Water	10/14/20 09:42	10/14/20 19:00
10535595004	W-201014-KJ-04	Drinking Water	10/14/20 10:06	10/14/20 19:00
10535595005	W-201014-KJ-05	Drinking Water	10/14/20 10:20	10/14/20 19:00
10535595006	W-201014-KJ-06	Drinking Water	10/14/20 10:35	10/14/20 19:00
10535595007	W-201014-KJ-07	Drinking Water	10/14/20 11:01	10/14/20 19:00
10535595008	W-201014-KJ-08	Drinking Water	10/14/20 11:26	10/14/20 19:00
10535595009	W-201014-KJ-09	Drinking Water	10/14/20 11:57	10/14/20 19:00
10535595010	W-201014-KJ-10	Drinking Water	10/14/20 12:28	10/14/20 19:00
10535595011	Trip Blank	Drinking Water	10/14/20 00:00	10/14/20 19:00
10535595012	W-201014-KJ-11	Drinking Water	10/14/20 12:58	10/14/20 19:00
10535595013	W-201014-KJ-12	Drinking Water	10/14/20 13:30	10/14/20 19:00
10535595014	W-201014-KJ-13	Drinking Water	10/14/20 14:05	10/14/20 19:00
10535595015	W-201014-KJ-14	Drinking Water	10/14/20 14:06	10/14/20 19:00
10535595016	W-201014-KJ-15	Drinking Water	10/14/20 14:20	10/14/20 19:00
10535595017	W-201014-KJ-16	Drinking Water	10/14/20 14:32	10/14/20 19:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 002012-Revised Report

Pace Project No.: 10535595

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10535595001	W-201014-KJ-01	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595002	W-201014-KJ-02	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595003	W-201014-KJ-03	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595004	W-201014-KJ-04	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595005	W-201014-KJ-05	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595006	W-201014-KJ-06	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595007	W-201014-KJ-07	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595008	W-201014-KJ-08	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595009	W-201014-KJ-09	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595010	W-201014-KJ-10	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595011	Trip Blank	EPA 524.2	AEZ	72	PASI-M
10535595012	W-201014-KJ-11	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595013	W-201014-KJ-12	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595014	W-201014-KJ-13	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595015	W-201014-KJ-14	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595016	W-201014-KJ-15	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535595017	W-201014-KJ-16	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 002012-Revised Report

Pace Project No.: 10535595

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10535595001 EPA 300.0	W-201014-KJ-01 Chloride	37.5	mg/L	1.2	10/19/20 11:45	
10535595002 EPA 300.0	W-201014-KJ-02 Chloride	28.1	mg/L	1.2	10/19/20 12:31	
10535595003 EPA 300.0	W-201014-KJ-03 Chloride	28.1	mg/L	1.2	10/19/20 14:32	
10535595004 EPA 300.0	W-201014-KJ-04 Chloride	28.8	mg/L	1.2	10/19/20 15:40	
10535595006 EPA 300.0	W-201014-KJ-06 Chloride	25.0	mg/L	1.2	10/19/20 16:11	
10535595007 EPA 300.0	W-201014-KJ-07 Chloride	26.0	mg/L	1.2	10/19/20 16:26	
10535595008 EPA 300.0	W-201014-KJ-08 Chloride	36.8	mg/L	1.2	10/20/20 01:36	
10535595009 EPA 300.0	W-201014-KJ-09 Chloride	27.5	mg/L	1.2	10/19/20 18:30	
10535595010 EPA 300.0	W-201014-KJ-10 Chloride	29.6	mg/L	1.2	10/19/20 18:45	
10535595012 EPA 524.2 EPA 300.0	W-201014-KJ-11 1,1-Dichloroethane Chloride	0.22J 30.7	ug/L mg/L	0.50 1.2	10/22/20 03:49 10/19/20 19:00	
10535595013 EPA 300.0	W-201014-KJ-12 Chloride	24.6	mg/L	1.2	10/19/20 19:30	
10535595014 EPA 300.0	W-201014-KJ-13 Chloride	41.8	mg/L	1.2	10/19/20 19:46	
10535595015 EPA 300.0	W-201014-KJ-14 Chloride	41.9	mg/L	1.2	10/20/20 01:51	
10535595016 EPA 300.0	W-201014-KJ-15 Chloride	2.1	mg/L	1.2	10/20/20 04:23	
10535595017 EPA 300.0	W-201014-KJ-16 Chloride	27.2	mg/L	1.2	10/20/20 04:38	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Date: October 30, 2020

Case Narrative

Volatile Organics Analysis

524.2

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

1,1-Dichloroethane (MDL = 0.16 ug/L)

cis-1,2-Dichloroethene (MDL = 0.14 ug/L)

Vinyl chloride (MDL = 0.086 ug/L)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

General Information:

17 samples were analyzed for EPA 524.2 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.

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.

Matrix Spikes:

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

QC Batch: 705926

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10535595001

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

- MS (Lab ID: 3771251)
 - Acetone
- MSD (Lab ID: 3771252)
 - Acetone

Additional Comments:

Analyte Comments:

QC Batch: 705926

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

- Trip Blank (Lab ID: 10535595011)
 - 1,1-Dichloroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

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

- Trip Blank (Lab ID: 10535595011)
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-01 (Lab ID: 10535595001)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-02 (Lab ID: 10535595002)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-03 (Lab ID: 10535595003)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-04 (Lab ID: 10535595004)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-05 (Lab ID: 10535595005)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-06 (Lab ID: 10535595006)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-07 (Lab ID: 10535595007)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-08 (Lab ID: 10535595008)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-09 (Lab ID: 10535595009)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-10 (Lab ID: 10535595010)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

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

- W-201014-KJ-11 (Lab ID: 10535595012)
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-12 (Lab ID: 10535595013)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-13 (Lab ID: 10535595014)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-14 (Lab ID: 10535595015)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-15 (Lab ID: 10535595016)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-16 (Lab ID: 10535595017)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- BLANK (Lab ID: 3771249)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- LCS (Lab ID: 3771250)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- MS (Lab ID: 3771251)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- MSD (Lab ID: 3771252)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- MSD (Lab ID: 3771252)
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- Trip Blank (Lab ID: 10535595011)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-01 (Lab ID: 10535595001)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

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- W-201014-KJ-01 (Lab ID: 10535595001)
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-02 (Lab ID: 10535595002)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-03 (Lab ID: 10535595003)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-04 (Lab ID: 10535595004)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report
Pace Project No.: 10535595

Method: EPA 524.2
Description: 524.2 MSV
Client: GHD
Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201014-KJ-04 (Lab ID: 10535595004)
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-05 (Lab ID: 10535595005)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-06 (Lab ID: 10535595006)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201014-KJ-06 (Lab ID: 10535595006)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-07 (Lab ID: 10535595007)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-08 (Lab ID: 10535595008)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-09 (Lab ID: 10535595009)
 - 1,2-Dibromo-3-chloropropane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201014-KJ-09 (Lab ID: 10535595009)
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-10 (Lab ID: 10535595010)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-11 (Lab ID: 10535595012)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201014-KJ-11 (Lab ID: 10535595012)
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-12 (Lab ID: 10535595013)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-13 (Lab ID: 10535595014)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201014-KJ-13 (Lab ID: 10535595014)
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-14 (Lab ID: 10535595015)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-15 (Lab ID: 10535595016)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-16 (Lab ID: 10535595017)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201014-KJ-16 (Lab ID: 10535595017)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane

- BLANK (Lab ID: 3771249)
 - Dichlorofluoromethane
- LCS (Lab ID: 3771250)
 - Dichlorofluoromethane
- MS (Lab ID: 3771251)
 - Dichlorofluoromethane
- MSD (Lab ID: 3771252)
 - Dichlorofluoromethane
- Trip Blank (Lab ID: 10535595011)
 - Dichlorofluoromethane
- W-201014-KJ-01 (Lab ID: 10535595001)
 - Dichlorofluoromethane
- W-201014-KJ-02 (Lab ID: 10535595002)
 - Dichlorofluoromethane
- W-201014-KJ-03 (Lab ID: 10535595003)
 - Dichlorofluoromethane
- W-201014-KJ-04 (Lab ID: 10535595004)
 - Dichlorofluoromethane
- W-201014-KJ-05 (Lab ID: 10535595005)
 - Dichlorofluoromethane
- W-201014-KJ-06 (Lab ID: 10535595006)
 - Dichlorofluoromethane
- W-201014-KJ-07 (Lab ID: 10535595007)
 - Dichlorofluoromethane
- W-201014-KJ-08 (Lab ID: 10535595008)
 - Dichlorofluoromethane
- W-201014-KJ-09 (Lab ID: 10535595009)
 - Dichlorofluoromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 705926

- W-201014-KJ-10 (Lab ID: 10535595010)
 - Dichlorofluoromethane
- W-201014-KJ-11 (Lab ID: 10535595012)
 - Dichlorofluoromethane
- W-201014-KJ-12 (Lab ID: 10535595013)
 - Dichlorofluoromethane
- W-201014-KJ-13 (Lab ID: 10535595014)
 - Dichlorofluoromethane
- W-201014-KJ-14 (Lab ID: 10535595015)
 - Dichlorofluoromethane
- W-201014-KJ-15 (Lab ID: 10535595016)
 - Dichlorofluoromethane
- W-201014-KJ-16 (Lab ID: 10535595017)
 - Dichlorofluoromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535595

Method: EPA 300.0

Description: 300.0 IC Anions

Client: GHD

Date: October 30, 2020

General Information:

16 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.

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-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-01 **Lab ID: 10535595001** Collected: 10/14/20 09:05 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/21/20 23:51	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/21/20 23:51	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/21/20 23:51	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/21/20 23:51	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/21/20 23:51	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/21/20 23:51	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/21/20 23:51	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/21/20 23:51	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/21/20 23:51	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/21/20 23:51	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/21/20 23:51	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/21/20 23:51	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/21/20 23:51	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/21/20 23:51	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/21/20 23:51	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/21/20 23:51	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/21/20 23:51	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/21/20 23:51	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/21/20 23:51	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/21/20 23:51	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/21/20 23:51	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/21/20 23:51	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/21/20 23:51	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/21/20 23:51	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/21/20 23:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/21/20 23:51	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/21/20 23:51	67-64-1	M1,N2
Allyl chloride	ND	ug/L	4.0	1		10/21/20 23:51	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/21/20 23:51	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/21/20 23:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/21/20 23:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/21/20 23:51	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/21/20 23:51	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/21/20 23:51	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/21/20 23:51	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/21/20 23:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/21/20 23:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/21/20 23:51	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/21/20 23:51	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/21/20 23:51	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/21/20 23:51	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/21/20 23:51	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/21/20 23:51	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/21/20 23:51	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/21/20 23:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/21/20 23:51	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-01	Lab ID: 10535595001	Collected: 10/14/20 09:05	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/21/20 23:51	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/21/20 23:51	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/21/20 23:51	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/21/20 23:51	91-20-3	
Styrene	ND	ug/L	0.50	1		10/21/20 23:51	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/21/20 23:51	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/21/20 23:51	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/21/20 23:51	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/21/20 23:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/21/20 23:51	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/21/20 23:51	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/21/20 23:51	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/21/20 23:51	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/21/20 23:51	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/21/20 23:51	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/21/20 23:51	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/21/20 23:51	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/21/20 23:51	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/21/20 23:51	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/21/20 23:51	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/21/20 23:51	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/21/20 23:51	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/21/20 23:51	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	117	%.	75-125	1		10/21/20 23:51	460-00-4	
Toluene-d8 (S)	103	%.	75-125	1		10/21/20 23:51	2037-26-5	
1,2-Dichloroethane-d4 (S)	125	%.	75-125	1		10/21/20 23:51	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	37.5	mg/L	1.2	1		10/19/20 11:45	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-02 **Lab ID: 10535595002** Collected: 10/14/20 09:41 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 00:15	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 00:15	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 00:15	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 00:15	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 00:15	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 00:15	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 00:15	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 00:15	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 00:15	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 00:15	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 00:15	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 00:15	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 00:15	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 00:15	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 00:15	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 00:15	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 00:15	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 00:15	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 00:15	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 00:15	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 00:15	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 00:15	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 00:15	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 00:15	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 00:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 00:15	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 00:15	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 00:15	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 00:15	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 00:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 00:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 00:15	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 00:15	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 00:15	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 00:15	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 00:15	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 00:15	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 00:15	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 00:15	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 00:15	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 00:15	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 00:15	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 00:15	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 00:15	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 00:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 00:15	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-02 **Lab ID: 10535595002** Collected: 10/14/20 09:41 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 00:15	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 00:15	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 00:15	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 00:15	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 00:15	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 00:15	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 00:15	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 00:15	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 00:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 00:15	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 00:15	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 00:15	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 00:15	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 00:15	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 00:15	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 00:15	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 00:15	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 00:15	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 00:15	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 00:15	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 00:15	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 00:15	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 00:15	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	106	%.	75-125	1		10/22/20 00:15	460-00-4	
Toluene-d8 (S)	107	%.	75-125	1		10/22/20 00:15	2037-26-5	
1,2-Dichloroethane-d4 (S)	118	%.	75-125	1		10/22/20 00:15	17060-07-0	

300.0 IC Anions

Analytical Method: EPA 300.0
Pace Analytical Services - Minneapolis

Chloride	28.1	mg/L	1.2	1		10/19/20 12:31	16887-00-6	
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-03	Lab ID: 10535595003	Collected: 10/14/20 09:42	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 00:39	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 00:39	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 00:39	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 00:39	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 00:39	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 00:39	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 00:39	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 00:39	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 00:39	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 00:39	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 00:39	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 00:39	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 00:39	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 00:39	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 00:39	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 00:39	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 00:39	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 00:39	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 00:39	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 00:39	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 00:39	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 00:39	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 00:39	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 00:39	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 00:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 00:39	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 00:39	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 00:39	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 00:39	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 00:39	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 00:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 00:39	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 00:39	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 00:39	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 00:39	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 00:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 00:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 00:39	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 00:39	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 00:39	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 00:39	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 00:39	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 00:39	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 00:39	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 00:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 00:39	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-03	Lab ID: 10535595003	Collected: 10/14/20 09:42	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 00:39	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 00:39	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 00:39	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 00:39	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 00:39	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 00:39	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 00:39	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 00:39	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 00:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 00:39	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 00:39	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 00:39	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 00:39	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 00:39	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 00:39	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 00:39	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 00:39	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 00:39	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 00:39	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 00:39	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 00:39	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 00:39	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 00:39	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	75-125	1		10/22/20 00:39	460-00-4	
Toluene-d8 (S)	106	%.	75-125	1		10/22/20 00:39	2037-26-5	
1,2-Dichloroethane-d4 (S)	122	%.	75-125	1		10/22/20 00:39	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0						
		Pace Analytical Services - Minneapolis						
Chloride	28.1	mg/L	1.2	1		10/19/20 14:32	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-04	Lab ID: 10535595004	Collected: 10/14/20 10:06	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 01:03	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 01:03	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 01:03	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 01:03	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 01:03	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 01:03	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 01:03	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 01:03	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:03	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 01:03	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:03	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 01:03	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 01:03	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 01:03	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:03	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 01:03	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 01:03	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 01:03	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:03	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 01:03	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:03	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 01:03	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 01:03	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 01:03	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 01:03	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 01:03	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 01:03	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 01:03	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 01:03	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 01:03	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 01:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 01:03	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 01:03	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 01:03	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 01:03	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 01:03	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 01:03	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 01:03	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 01:03	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 01:03	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 01:03	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 01:03	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 01:03	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 01:03	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 01:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 01:03	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report
Pace Project No.: 10535595

Sample: W-201014-KJ-04 **Lab ID: 10535595004** Collected: 10/14/20 10:06 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 01:03	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 01:03	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 01:03	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 01:03	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 01:03	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 01:03	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 01:03	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 01:03	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 01:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 01:03	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 01:03	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 01:03	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 01:03	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 01:03	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 01:03	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 01:03	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 01:03	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 01:03	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 01:03	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 01:03	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 01:03	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 01:03	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 01:03	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	75-125	1		10/22/20 01:03	460-00-4	
Toluene-d8 (S)	108	%.	75-125	1		10/22/20 01:03	2037-26-5	
1,2-Dichloroethane-d4 (S)	117	%.	75-125	1		10/22/20 01:03	17060-07-0	

300.0 IC Anions

Analytical Method: EPA 300.0
Pace Analytical Services - Minneapolis

Chloride	28.8	mg/L	1.2	1		10/19/20 15:40	16887-00-6	
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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-05 **Lab ID: 10535595005** Collected: 10/14/20 10:20 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 01:27	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 01:27	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 01:27	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 01:27	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 01:27	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 01:27	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 01:27	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 01:27	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:27	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 01:27	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:27	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 01:27	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 01:27	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 01:27	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:27	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 01:27	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 01:27	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 01:27	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:27	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 01:27	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:27	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 01:27	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 01:27	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 01:27	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 01:27	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 01:27	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 01:27	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 01:27	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 01:27	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 01:27	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 01:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 01:27	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 01:27	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 01:27	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 01:27	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 01:27	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 01:27	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 01:27	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 01:27	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 01:27	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 01:27	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 01:27	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 01:27	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 01:27	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 01:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 01:27	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report
Pace Project No.: 10535595

Sample: W-201014-KJ-05	Lab ID: 10535595005	Collected: 10/14/20 10:20	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 01:27	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 01:27	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 01:27	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 01:27	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 01:27	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 01:27	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 01:27	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 01:27	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 01:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 01:27	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 01:27	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 01:27	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 01:27	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 01:27	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 01:27	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 01:27	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 01:27	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 01:27	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 01:27	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 01:27	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 01:27	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 01:27	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 01:27	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%.	75-125	1		10/22/20 01:27	460-00-4	
Toluene-d8 (S)	107	%.	75-125	1		10/22/20 01:27	2037-26-5	
1,2-Dichloroethane-d4 (S)	117	%.	75-125	1		10/22/20 01:27	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	ND	mg/L	1.2	1		10/19/20 15:56	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-06 **Lab ID: 10535595006** Collected: 10/14/20 10:35 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 01:51	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 01:51	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 01:51	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 01:51	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 01:51	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 01:51	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 01:51	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 01:51	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:51	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 01:51	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:51	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 01:51	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 01:51	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 01:51	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:51	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 01:51	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 01:51	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 01:51	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:51	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 01:51	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 01:51	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 01:51	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 01:51	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 01:51	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 01:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 01:51	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 01:51	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 01:51	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 01:51	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 01:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 01:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 01:51	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 01:51	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 01:51	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 01:51	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 01:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 01:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 01:51	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 01:51	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 01:51	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 01:51	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 01:51	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 01:51	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 01:51	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 01:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 01:51	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report
Pace Project No.: 10535595

Sample: W-201014-KJ-06	Lab ID: 10535595006	Collected: 10/14/20 10:35	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 01:51	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 01:51	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 01:51	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 01:51	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 01:51	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 01:51	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 01:51	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 01:51	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 01:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 01:51	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 01:51	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 01:51	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 01:51	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 01:51	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 01:51	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 01:51	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 01:51	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 01:51	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 01:51	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 01:51	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 01:51	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 01:51	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 01:51	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	104	%.	75-125	1		10/22/20 01:51	460-00-4	
Toluene-d8 (S)	105	%.	75-125	1		10/22/20 01:51	2037-26-5	
1,2-Dichloroethane-d4 (S)	113	%.	75-125	1		10/22/20 01:51	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	25.0	mg/L	1.2	1		10/19/20 16:11	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-07 **Lab ID: 10535595007** Collected: 10/14/20 11:01 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 02:14	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 02:14	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 02:14	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 02:14	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 02:14	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 02:14	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 02:14	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 02:14	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 02:14	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 02:14	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 02:14	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 02:14	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 02:14	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 02:14	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 02:14	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 02:14	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 02:14	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 02:14	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 02:14	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 02:14	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 02:14	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 02:14	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 02:14	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 02:14	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 02:14	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 02:14	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 02:14	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 02:14	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 02:14	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 02:14	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 02:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 02:14	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 02:14	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 02:14	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 02:14	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 02:14	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 02:14	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 02:14	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 02:14	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 02:14	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 02:14	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 02:14	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 02:14	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 02:14	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 02:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 02:14	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-07	Lab ID: 10535595007	Collected: 10/14/20 11:01	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 02:14	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 02:14	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 02:14	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 02:14	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 02:14	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 02:14	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 02:14	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 02:14	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 02:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 02:14	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 02:14	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 02:14	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 02:14	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 02:14	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 02:14	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 02:14	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 02:14	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 02:14	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 02:14	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 02:14	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 02:14	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 02:14	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 02:14	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	75-125	1		10/22/20 02:14	460-00-4	
Toluene-d8 (S)	108	%.	75-125	1		10/22/20 02:14	2037-26-5	
1,2-Dichloroethane-d4 (S)	114	%.	75-125	1		10/22/20 02:14	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	26.0	mg/L	1.2	1		10/19/20 16:26	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-08 **Lab ID: 10535595008** Collected: 10/14/20 11:26 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 02:38	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 02:38	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 02:38	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 02:38	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 02:38	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 02:38	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 02:38	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 02:38	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 02:38	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 02:38	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 02:38	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 02:38	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 02:38	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 02:38	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 02:38	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 02:38	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 02:38	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 02:38	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 02:38	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 02:38	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 02:38	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 02:38	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 02:38	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 02:38	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 02:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 02:38	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 02:38	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 02:38	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 02:38	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 02:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 02:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 02:38	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 02:38	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 02:38	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 02:38	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 02:38	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 02:38	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 02:38	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 02:38	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 02:38	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 02:38	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 02:38	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 02:38	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 02:38	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 02:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 02:38	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report
Pace Project No.: 10535595

Sample: W-201014-KJ-08	Lab ID: 10535595008	Collected: 10/14/20 11:26	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 02:38	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 02:38	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 02:38	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 02:38	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 02:38	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 02:38	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 02:38	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 02:38	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 02:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 02:38	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 02:38	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 02:38	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 02:38	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 02:38	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 02:38	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 02:38	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 02:38	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 02:38	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 02:38	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 02:38	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 02:38	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 02:38	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 02:38	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	75-125	1		10/22/20 02:38	460-00-4	
Toluene-d8 (S)	106	%.	75-125	1		10/22/20 02:38	2037-26-5	
1,2-Dichloroethane-d4 (S)	113	%.	75-125	1		10/22/20 02:38	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	36.8	mg/L	1.2	1		10/20/20 01:36	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-09 **Lab ID: 10535595009** Collected: 10/14/20 11:57 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 03:02	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 03:02	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 03:02	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 03:02	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 03:02	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 03:02	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 03:02	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 03:02	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:02	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 03:02	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:02	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 03:02	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 03:02	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 03:02	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:02	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 03:02	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 03:02	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 03:02	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:02	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 03:02	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:02	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 03:02	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 03:02	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 03:02	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 03:02	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 03:02	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 03:02	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 03:02	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 03:02	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 03:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 03:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 03:02	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 03:02	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 03:02	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 03:02	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 03:02	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 03:02	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 03:02	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 03:02	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 03:02	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 03:02	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 03:02	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 03:02	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 03:02	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 03:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 03:02	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-09	Lab ID: 10535595009	Collected: 10/14/20 11:57	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 03:02	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 03:02	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 03:02	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 03:02	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 03:02	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 03:02	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 03:02	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 03:02	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 03:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 03:02	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 03:02	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 03:02	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 03:02	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 03:02	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 03:02	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 03:02	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 03:02	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 03:02	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 03:02	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 03:02	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 03:02	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 03:02	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 03:02	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	75-125	1		10/22/20 03:02	460-00-4	
Toluene-d8 (S)	107	%.	75-125	1		10/22/20 03:02	2037-26-5	
1,2-Dichloroethane-d4 (S)	105	%.	75-125	1		10/22/20 03:02	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	27.5	mg/L	1.2	1		10/19/20 18:30	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-10 **Lab ID: 10535595010** Collected: 10/14/20 12:28 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 03:26	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 03:26	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 03:26	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 03:26	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 03:26	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 03:26	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 03:26	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 03:26	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:26	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 03:26	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:26	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 03:26	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 03:26	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 03:26	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:26	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 03:26	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 03:26	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 03:26	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:26	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 03:26	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:26	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 03:26	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 03:26	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 03:26	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 03:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 03:26	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 03:26	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 03:26	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 03:26	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 03:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 03:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 03:26	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 03:26	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 03:26	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 03:26	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 03:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 03:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 03:26	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 03:26	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 03:26	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 03:26	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 03:26	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 03:26	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 03:26	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 03:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 03:26	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-10	Lab ID: 10535595010	Collected: 10/14/20 12:28	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 03:26	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 03:26	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 03:26	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 03:26	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 03:26	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 03:26	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 03:26	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 03:26	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 03:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 03:26	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 03:26	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 03:26	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 03:26	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 03:26	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 03:26	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 03:26	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 03:26	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 03:26	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 03:26	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 03:26	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 03:26	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 03:26	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 03:26	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%.	75-125	1		10/22/20 03:26	460-00-4	
Toluene-d8 (S)	107	%.	75-125	1		10/22/20 03:26	2037-26-5	
1,2-Dichloroethane-d4 (S)	116	%.	75-125	1		10/22/20 03:26	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	29.6	mg/L	1.2	1		10/19/20 18:45	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: Trip Blank		Lab ID: 10535595011	Collected: 10/14/20 00:00	Received: 10/14/20 19:00	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/21/20 23:04	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/21/20 23:04	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/21/20 23:04	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/21/20 23:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/21/20 23:04	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/21/20 23:04	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/21/20 23:04	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/21/20 23:04	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/21/20 23:04	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/21/20 23:04	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/21/20 23:04	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/21/20 23:04	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/21/20 23:04	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/21/20 23:04	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/21/20 23:04	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/21/20 23:04	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/21/20 23:04	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/21/20 23:04	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/21/20 23:04	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/21/20 23:04	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/21/20 23:04	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/21/20 23:04	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/21/20 23:04	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/21/20 23:04	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/21/20 23:04	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/21/20 23:04	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/21/20 23:04	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/21/20 23:04	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/21/20 23:04	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/21/20 23:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/21/20 23:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/21/20 23:04	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/21/20 23:04	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/21/20 23:04	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/21/20 23:04	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/21/20 23:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/21/20 23:04	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/21/20 23:04	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/21/20 23:04	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/21/20 23:04	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/21/20 23:04	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/21/20 23:04	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/21/20 23:04	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/21/20 23:04	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/21/20 23:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/21/20 23:04	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: Trip Blank **Lab ID: 10535595011** Collected: 10/14/20 00:00 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/21/20 23:04	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/21/20 23:04	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/21/20 23:04	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/21/20 23:04	91-20-3	
Styrene	ND	ug/L	0.50	1		10/21/20 23:04	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/21/20 23:04	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/21/20 23:04	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/21/20 23:04	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/21/20 23:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/21/20 23:04	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/21/20 23:04	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/21/20 23:04	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/21/20 23:04	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/21/20 23:04	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/21/20 23:04	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/21/20 23:04	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/21/20 23:04	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/21/20 23:04	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/21/20 23:04	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/21/20 23:04	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/21/20 23:04	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/21/20 23:04	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/21/20 23:04	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	75-125	1		10/21/20 23:04	460-00-4	
Toluene-d8 (S)	109	%.	75-125	1		10/21/20 23:04	2037-26-5	
1,2-Dichloroethane-d4 (S)	115	%.	75-125	1		10/21/20 23:04	17060-07-0	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-11	Lab ID: 10535595012	Collected: 10/14/20 12:58	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 03:49	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 03:49	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 03:49	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 03:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 03:49	76-13-1	N2
1,1-Dichloroethane	0.22J	ug/L	0.50	1		10/22/20 03:49	75-34-3	
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 03:49	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 03:49	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:49	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 03:49	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:49	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 03:49	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 03:49	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 03:49	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:49	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 03:49	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 03:49	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 03:49	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:49	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 03:49	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 03:49	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 03:49	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 03:49	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 03:49	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 03:49	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 03:49	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 03:49	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 03:49	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 03:49	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 03:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 03:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 03:49	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 03:49	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 03:49	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 03:49	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 03:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 03:49	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 03:49	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 03:49	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 03:49	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 03:49	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 03:49	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 03:49	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 03:49	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 03:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 03:49	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-11 **Lab ID: 10535595012** Collected: 10/14/20 12:58 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 03:49	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 03:49	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 03:49	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 03:49	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 03:49	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 03:49	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 03:49	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 03:49	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 03:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 03:49	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 03:49	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 03:49	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 03:49	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 03:49	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 03:49	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 03:49	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 03:49	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 03:49	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 03:49	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 03:49	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 03:49	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 03:49	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 03:49	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	75-125	1		10/22/20 03:49	460-00-4	
Toluene-d8 (S)	106	%.	75-125	1		10/22/20 03:49	2037-26-5	
1,2-Dichloroethane-d4 (S)	114	%.	75-125	1		10/22/20 03:49	17060-07-0	

300.0 IC Anions

Analytical Method: EPA 300.0
Pace Analytical Services - Minneapolis

Chloride	30.7	mg/L	1.2	1		10/19/20 19:00	16887-00-6	
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-12	Lab ID: 10535595013	Collected: 10/14/20 13:30	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 04:13	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 04:13	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 04:13	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 04:13	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 04:13	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 04:13	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 04:13	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 04:13	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 04:13	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 04:13	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 04:13	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 04:13	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 04:13	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 04:13	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 04:13	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 04:13	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 04:13	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 04:13	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 04:13	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 04:13	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 04:13	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 04:13	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 04:13	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 04:13	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 04:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 04:13	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 04:13	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 04:13	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 04:13	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 04:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 04:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 04:13	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 04:13	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 04:13	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 04:13	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 04:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 04:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 04:13	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 04:13	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 04:13	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 04:13	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 04:13	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 04:13	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 04:13	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 04:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 04:13	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-12 **Lab ID: 10535595013** Collected: 10/14/20 13:30 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 04:13	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 04:13	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 04:13	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 04:13	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 04:13	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 04:13	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 04:13	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 04:13	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 04:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 04:13	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 04:13	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 04:13	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 04:13	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 04:13	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 04:13	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 04:13	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 04:13	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 04:13	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 04:13	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 04:13	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 04:13	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 04:13	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 04:13	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	75-125	1		10/22/20 04:13	460-00-4	
Toluene-d8 (S)	106	%.	75-125	1		10/22/20 04:13	2037-26-5	
1,2-Dichloroethane-d4 (S)	111	%.	75-125	1		10/22/20 04:13	17060-07-0	

300.0 IC Anions

Analytical Method: EPA 300.0
Pace Analytical Services - Minneapolis

Chloride	24.6	mg/L	1.2	1		10/19/20 19:30	16887-00-6	
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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-13	Lab ID: 10535595014	Collected: 10/14/20 14:05	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 04:37	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 04:37	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 04:37	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 04:37	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 04:37	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 04:37	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 04:37	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 04:37	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 04:37	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 04:37	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 04:37	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 04:37	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 04:37	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 04:37	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 04:37	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 04:37	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 04:37	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 04:37	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 04:37	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 04:37	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 04:37	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 04:37	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 04:37	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 04:37	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 04:37	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 04:37	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 04:37	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 04:37	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 04:37	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 04:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 04:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 04:37	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 04:37	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 04:37	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 04:37	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 04:37	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 04:37	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 04:37	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 04:37	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 04:37	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 04:37	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 04:37	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 04:37	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 04:37	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 04:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 04:37	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-13	Lab ID: 10535595014	Collected: 10/14/20 14:05	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 04:37	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 04:37	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 04:37	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 04:37	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 04:37	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 04:37	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 04:37	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 04:37	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 04:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 04:37	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 04:37	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 04:37	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 04:37	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 04:37	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 04:37	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 04:37	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 04:37	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 04:37	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 04:37	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 04:37	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 04:37	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 04:37	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 04:37	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	75-125	1		10/22/20 04:37	460-00-4	
Toluene-d8 (S)	107	%.	75-125	1		10/22/20 04:37	2037-26-5	
1,2-Dichloroethane-d4 (S)	115	%.	75-125	1		10/22/20 04:37	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	41.8	mg/L	1.2	1		10/19/20 19:46	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-14	Lab ID: 10535595015	Collected: 10/14/20 14:06	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 05:01	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 05:01	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 05:01	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 05:01	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 05:01	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 05:01	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 05:01	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 05:01	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:01	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 05:01	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:01	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 05:01	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 05:01	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 05:01	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:01	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 05:01	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 05:01	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 05:01	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:01	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 05:01	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:01	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 05:01	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 05:01	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 05:01	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 05:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 05:01	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 05:01	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 05:01	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 05:01	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 05:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 05:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 05:01	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 05:01	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 05:01	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 05:01	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 05:01	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 05:01	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 05:01	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 05:01	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 05:01	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 05:01	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 05:01	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 05:01	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 05:01	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 05:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 05:01	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report
Pace Project No.: 10535595

Sample: W-201014-KJ-14	Lab ID: 10535595015	Collected: 10/14/20 14:06	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 05:01	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 05:01	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 05:01	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 05:01	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 05:01	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 05:01	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 05:01	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 05:01	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 05:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 05:01	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 05:01	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 05:01	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 05:01	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 05:01	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 05:01	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 05:01	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 05:01	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 05:01	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 05:01	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 05:01	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 05:01	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 05:01	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 05:01	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	75-125	1		10/22/20 05:01	460-00-4	
Toluene-d8 (S)	105	%.	75-125	1		10/22/20 05:01	2037-26-5	
1,2-Dichloroethane-d4 (S)	114	%.	75-125	1		10/22/20 05:01	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	41.9	mg/L	1.2	1		10/20/20 01:51	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-15	Lab ID: 10535595016	Collected: 10/14/20 14:20	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 05:25	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 05:25	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 05:25	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 05:25	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 05:25	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 05:25	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 05:25	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 05:25	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:25	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 05:25	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:25	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 05:25	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 05:25	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 05:25	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:25	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 05:25	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 05:25	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 05:25	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:25	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 05:25	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:25	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 05:25	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 05:25	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 05:25	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 05:25	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 05:25	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 05:25	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 05:25	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 05:25	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 05:25	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 05:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 05:25	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 05:25	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 05:25	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 05:25	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 05:25	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 05:25	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 05:25	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 05:25	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 05:25	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 05:25	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 05:25	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 05:25	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 05:25	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 05:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 05:25	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-15 **Lab ID: 10535595016** Collected: 10/14/20 14:20 Received: 10/14/20 19:00 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 05:25	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 05:25	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 05:25	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 05:25	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 05:25	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 05:25	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 05:25	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 05:25	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 05:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 05:25	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 05:25	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 05:25	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 05:25	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 05:25	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 05:25	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 05:25	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 05:25	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 05:25	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 05:25	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 05:25	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 05:25	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 05:25	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 05:25	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	75-125	1		10/22/20 05:25	460-00-4	
Toluene-d8 (S)	107	%	75-125	1		10/22/20 05:25	2037-26-5	
1,2-Dichloroethane-d4 (S)	114	%	75-125	1		10/22/20 05:25	17060-07-0	

300.0 IC Anions

Analytical Method: EPA 300.0
Pace Analytical Services - Minneapolis

Chloride	2.1	mg/L	1.2	1		10/20/20 04:23	16887-00-6	
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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-16	Lab ID: 10535595017	Collected: 10/14/20 14:32	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 05:49	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/22/20 05:49	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/22/20 05:49	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/22/20 05:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/22/20 05:49	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/22/20 05:49	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	0.50	1		10/22/20 05:49	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/22/20 05:49	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:49	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/22/20 05:49	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:49	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 05:49	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/22/20 05:49	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/22/20 05:49	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:49	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		10/22/20 05:49	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/22/20 05:49	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/22/20 05:49	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:49	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/22/20 05:49	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/22/20 05:49	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/22/20 05:49	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/22/20 05:49	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 05:49	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/22/20 05:49	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/22/20 05:49	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/22/20 05:49	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/22/20 05:49	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/22/20 05:49	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/22/20 05:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/22/20 05:49	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/22/20 05:49	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/22/20 05:49	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/22/20 05:49	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/22/20 05:49	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/22/20 05:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/22/20 05:49	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/22/20 05:49	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/22/20 05:49	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/22/20 05:49	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/22/20 05:49	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/22/20 05:49	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/22/20 05:49	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/22/20 05:49	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/22/20 05:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/22/20 05:49	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535595

Sample: W-201014-KJ-16	Lab ID: 10535595017	Collected: 10/14/20 14:32	Received: 10/14/20 19:00	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		10/22/20 05:49	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/22/20 05:49	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/22/20 05:49	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/22/20 05:49	91-20-3	
Styrene	ND	ug/L	0.50	1		10/22/20 05:49	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/22/20 05:49	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/22/20 05:49	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/22/20 05:49	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/22/20 05:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/22/20 05:49	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/22/20 05:49	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/22/20 05:49	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 05:49	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 05:49	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/22/20 05:49	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/22/20 05:49	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/22/20 05:49	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/22/20 05:49	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/22/20 05:49	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/22/20 05:49	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/22/20 05:49	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/22/20 05:49	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/22/20 05:49	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%.	75-125	1		10/22/20 05:49	460-00-4	
Toluene-d8 (S)	105	%.	75-125	1		10/22/20 05:49	2037-26-5	
1,2-Dichloroethane-d4 (S)	105	%.	75-125	1		10/22/20 05:49	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	27.2	mg/L	1.2	1		10/20/20 04:38	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535595

QC Batch: 705926 Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2 Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10535595001, 10535595002, 10535595003, 10535595004, 10535595005, 10535595006, 10535595007, 10535595008, 10535595009, 10535595010, 10535595011, 10535595012, 10535595013, 10535595014, 10535595015, 10535595016, 10535595017

METHOD BLANK: 3771249 Matrix: Water

Associated Lab Samples: 10535595001, 10535595002, 10535595003, 10535595004, 10535595005, 10535595006, 10535595007, 10535595008, 10535595009, 10535595010, 10535595011, 10535595012, 10535595013, 10535595014, 10535595015, 10535595016, 10535595017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	10/21/20 22:40	
1,1,1-Trichloroethane	ug/L	ND	0.50	10/21/20 22:40	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	10/21/20 22:40	
1,1,2-Trichloroethane	ug/L	ND	0.50	10/21/20 22:40	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	10/21/20 22:40	N2
1,1-Dichloroethane	ug/L	ND	0.50	10/21/20 22:40	
1,1-Dichloroethene	ug/L	ND	0.50	10/21/20 22:40	
1,1-Dichloropropene	ug/L	ND	0.50	10/21/20 22:40	
1,2,3-Trichlorobenzene	ug/L	ND	0.50	10/21/20 22:40	
1,2,3-Trichloropropane	ug/L	ND	4.0	10/21/20 22:40	
1,2,4-Trichlorobenzene	ug/L	ND	0.50	10/21/20 22:40	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	10/21/20 22:40	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	10/21/20 22:40	N2
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	10/21/20 22:40	N2
1,2-Dichlorobenzene	ug/L	ND	0.50	10/21/20 22:40	
1,2-Dichloroethane	ug/L	ND	1.0	10/21/20 22:40	MN
1,2-Dichloropropane	ug/L	ND	4.0	10/21/20 22:40	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	10/21/20 22:40	N2
1,3-Dichlorobenzene	ug/L	ND	0.50	10/21/20 22:40	
1,3-Dichloropropane	ug/L	ND	0.50	10/21/20 22:40	N2
1,4-Dichlorobenzene	ug/L	ND	0.50	10/21/20 22:40	
2,2-Dichloropropane	ug/L	ND	1.0	10/21/20 22:40	
2-Butanone (MEK)	ug/L	ND	5.0	10/21/20 22:40	N2
2-Chlorotoluene	ug/L	ND	0.50	10/21/20 22:40	
4-Chlorotoluene	ug/L	ND	0.50	10/21/20 22:40	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/21/20 22:40	N2
Acetone	ug/L	ND	20.0	10/21/20 22:40	N2
Allyl chloride	ug/L	ND	4.0	10/21/20 22:40	N2
Benzene	ug/L	ND	0.50	10/21/20 22:40	
Bromobenzene	ug/L	ND	0.50	10/21/20 22:40	
Bromochloromethane	ug/L	ND	1.0	10/21/20 22:40	
Bromodichloromethane	ug/L	ND	1.0	10/21/20 22:40	
Bromoform	ug/L	ND	4.0	10/21/20 22:40	
Bromomethane	ug/L	ND	4.0	10/21/20 22:40	
Carbon tetrachloride	ug/L	ND	1.0	10/21/20 22:40	
Chlorobenzene	ug/L	ND	0.50	10/21/20 22:40	
Chloroethane	ug/L	ND	1.0	10/21/20 22:40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535595

METHOD BLANK: 3771249

Matrix: Water

Associated Lab Samples: 10535595001, 10535595002, 10535595003, 10535595004, 10535595005, 10535595006, 10535595007, 10535595008, 10535595009, 10535595010, 10535595011, 10535595012, 10535595013, 10535595014, 10535595015, 10535595016, 10535595017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	ug/L	ND	1.0	10/21/20 22:40	
Chloromethane	ug/L	ND	4.0	10/21/20 22:40	
cis-1,2-Dichloroethene	ug/L	ND	0.50	10/21/20 22:40	
cis-1,3-Dichloropropene	ug/L	ND	0.50	10/21/20 22:40	
Dibromochloromethane	ug/L	ND	0.50	10/21/20 22:40	
Dibromomethane	ug/L	ND	1.0	10/21/20 22:40	
Dichlorodifluoromethane	ug/L	ND	1.0	10/21/20 22:40	
Dichlorofluoromethane	ug/L	ND	1.0	10/21/20 22:40	N2
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	10/21/20 22:40	N2
Ethylbenzene	ug/L	ND	0.50	10/21/20 22:40	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	10/21/20 22:40	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	10/21/20 22:40	MN
m&p-Xylene	ug/L	ND	1.0	10/21/20 22:40	N2
Methyl-tert-butyl ether	ug/L	ND	0.50	10/21/20 22:40	
Methylene Chloride	ug/L	ND	4.0	10/21/20 22:40	N2
n-Butylbenzene	ug/L	ND	0.50	10/21/20 22:40	
n-Propylbenzene	ug/L	ND	0.50	10/21/20 22:40	
Naphthalene	ug/L	ND	1.0	10/21/20 22:40	
o-Xylene	ug/L	ND	0.50	10/21/20 22:40	N2
p-Isopropyltoluene	ug/L	ND	0.50	10/21/20 22:40	N2
sec-Butylbenzene	ug/L	ND	0.50	10/21/20 22:40	
Styrene	ug/L	ND	0.50	10/21/20 22:40	
tert-Butylbenzene	ug/L	ND	0.50	10/21/20 22:40	
Tetrachloroethene	ug/L	ND	0.50	10/21/20 22:40	
Tetrahydrofuran	ug/L	ND	10.0	10/21/20 22:40	N2
Toluene	ug/L	ND	0.50	10/21/20 22:40	
trans-1,2-Dichloroethene	ug/L	ND	0.50	10/21/20 22:40	
trans-1,3-Dichloropropene	ug/L	ND	0.50	10/21/20 22:40	
Trichloroethene	ug/L	ND	0.40	10/21/20 22:40	
Trichlorofluoromethane	ug/L	ND	0.50	10/21/20 22:40	
Vinyl chloride	ug/L	ND	0.20	10/21/20 22:40	
Xylene (Total)	ug/L	ND	1.5	10/21/20 22:40	
1,2-Dichloroethane-d4 (S)	%	116	75-125	10/21/20 22:40	
4-Bromofluorobenzene (S)	%	100	75-125	10/21/20 22:40	
Toluene-d8 (S)	%	107	75-125	10/21/20 22:40	

LABORATORY CONTROL SAMPLE: 3771250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.4	102	70-130	
1,1,1-Trichloroethane	ug/L	20	21.7	108	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	20.4	102	70-130	

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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535595

LABORATORY CONTROL SAMPLE: 3771250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2-Trichloroethane	ug/L	20	21.7	108	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	22.3	112	70-130	N2
1,1-Dichloroethane	ug/L	20	20.2	101	70-130	
1,1-Dichloroethene	ug/L	20	20.9	105	70-130	
1,1-Dichloropropene	ug/L	20	23.1	115	70-130	
1,2,3-Trichlorobenzene	ug/L	20	19.8	99	70-130	
1,2,3-Trichloropropane	ug/L	20	20.7	103	70-130	
1,2,4-Trichlorobenzene	ug/L	20	19.7	98	70-130	
1,2,4-Trimethylbenzene	ug/L	20	23.2	116	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.6	97	70-130	N2
1,2-Dibromoethane (EDB)	ug/L	20	22.3	112	70-130	N2
1,2-Dichlorobenzene	ug/L	20	21.2	106	70-130	
1,2-Dichloroethane	ug/L	20	20.6	103	70-130	
1,2-Dichloropropane	ug/L	20	21.5	107	70-130	
1,3,5-Trimethylbenzene	ug/L	20	24.3	122	70-130	N2
1,3-Dichlorobenzene	ug/L	20	21.9	110	70-130	
1,3-Dichloropropane	ug/L	20	21.8	109	70-130	N2
1,4-Dichlorobenzene	ug/L	20	20.4	102	70-130	
2,2-Dichloropropane	ug/L	20	19.9	100	70-130	
2-Butanone (MEK)	ug/L	100	97.8	98	70-130	N2
2-Chlorotoluene	ug/L	20	23.1	115	70-130	
4-Chlorotoluene	ug/L	20	23.1	116	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	70-130	N2
Acetone	ug/L	100	111	111	70-130	N2
Allyl chloride	ug/L	20	18.6	93	70-130	N2
Benzene	ug/L	20	21.9	110	70-130	
Bromobenzene	ug/L	20	19.6	98	70-130	
Bromochloromethane	ug/L	20	24.5	122	70-130	
Bromodichloromethane	ug/L	20	21.2	106	70-130	
Bromoform	ug/L	20	20.2	101	70-130	
Bromomethane	ug/L	20	23.6	118	70-130	
Carbon tetrachloride	ug/L	20	23.4	117	70-130	
Chlorobenzene	ug/L	20	22.3	112	70-130	
Chloroethane	ug/L	20	21.9	110	70-130	
Chloroform	ug/L	20	21.5	108	70-130	
Chloromethane	ug/L	20	20.9	105	70-130	
cis-1,2-Dichloroethene	ug/L	20	22.0	110	70-130	
cis-1,3-Dichloropropene	ug/L	20	22.6	113	70-130	
Dibromochloromethane	ug/L	20	22.1	110	70-130	
Dibromomethane	ug/L	20	20.9	105	70-130	
Dichlorodifluoromethane	ug/L	20	23.7	119	70-130	
Dichlorofluoromethane	ug/L	20	20.5	103	70-130	N2
Diethyl ether (Ethyl ether)	ug/L	20	19.7	99	70-130	N2
Ethylbenzene	ug/L	20	23.1	115	70-130	
Hexachloro-1,3-butadiene	ug/L	20	19.3	96	70-130	
Isopropylbenzene (Cumene)	ug/L	20	25.0	125	70-130	
m&p-Xylene	ug/L	40	48.3	121	70-130	N2

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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535595

LABORATORY CONTROL SAMPLE: 3771250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	20	19.9	100	70-130	
Methylene Chloride	ug/L	20	21.2	106	70-130	N2
n-Butylbenzene	ug/L	20	25.2	126	70-130	
n-Propylbenzene	ug/L	20	23.0	115	70-130	
Naphthalene	ug/L	20	18.9	95	70-130	
o-Xylene	ug/L	20	24.2	121	70-130	N2
p-Isopropyltoluene	ug/L	20	23.6	118	70-130	N2
sec-Butylbenzene	ug/L	20	23.0	115	70-130	
Styrene	ug/L	20	22.9	114	70-130	
tert-Butylbenzene	ug/L	20	24.9	124	70-130	
Tetrachloroethene	ug/L	20	22.8	114	70-130	
Tetrahydrofuran	ug/L	200	222	111	70-130	N2
Toluene	ug/L	20	22.0	110	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.3	102	70-130	
trans-1,3-Dichloropropene	ug/L	20	22.9	114	70-130	
Trichloroethene	ug/L	20	24.1	120	70-130	
Trichlorofluoromethane	ug/L	20	21.6	108	70-130	
Vinyl chloride	ug/L	20	21.3	106	70-130	
Xylene (Total)	ug/L	60	72.6	121	70-130	
1,2-Dichloroethane-d4 (S)	%			98	75-125	
4-Bromofluorobenzene (S)	%			97	75-125	
Toluene-d8 (S)	%			103	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3771251 3771252

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10535595001 Result	Spike Conc.	Spike Conc.	Conc.								
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20	17.5	15.5	87	77	70-130	12	20	
1,1,1-Trichloroethane	ug/L	ND	20	20	20	19.7	18.3	99	92	70-130	8	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	20	17.0	16.2	85	81	70-130	5	20	
1,1,2-Trichloroethane	ug/L	ND	20	20	20	18.3	16.8	91	84	70-130	9	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	20	21.2	18.3	106	91	70-130	15	20	N2
1,1-Dichloroethane	ug/L	ND	20	20	20	18.6	16.7	93	84	70-130	11	20	
1,1-Dichloroethene	ug/L	ND	20	20	20	20.3	17.9	102	90	70-130	12	20	
1,1-Dichloropropene	ug/L	ND	20	20	20	21.2	19.1	106	95	70-130	11	20	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	20	16.6	16.0	83	80	70-130	3	20	
1,2,3-Trichloropropane	ug/L	ND	20	20	20	16.1	16.8	81	84	70-130	4	20	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	20	15.5	15.7	77	78	70-130	1	20	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	20	19.6	18.9	98	94	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	50	38.9	37.8	78	76	70-130	3	20	N2
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20	18.7	17.4	94	87	70-130	7	20	N2
1,2-Dichlorobenzene	ug/L	ND	20	20	20	17.2	17.0	86	85	70-130	1	20	
1,2-Dichloroethane	ug/L	ND	20	20	20	18.2	16.6	91	83	70-130	9	20	
1,2-Dichloropropane	ug/L	ND	20	20	20	18.8	17.8	94	89	70-130	5	20	

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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535595

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3771251 3771252													
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		10535595001 Result	Spike Conc.	Spike Conc.	MS Conc.								
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20.1	19.3	100	97	70-130	4	20	N2	
1,3-Dichlorobenzene	ug/L	ND	20	20	18.2	17.4	91	87	70-130	4	20		
1,3-Dichloropropane	ug/L	ND	20	20	18.4	17.4	92	87	70-130	6	20	N2	
1,4-Dichlorobenzene	ug/L	ND	20	20	17.1	16.4	86	82	70-130	4	20		
2,2-Dichloropropane	ug/L	ND	20	20	19.4	16.4	97	82	70-130	17	20		
2-Butanone (MEK)	ug/L	ND	100	100	74.3	72.8	74	73	70-130	2	20	N2	
2-Chlorotoluene	ug/L	ND	20	20	19.0	18.5	95	93	70-130	3	20		
4-Chlorotoluene	ug/L	ND	20	20	18.8	18.0	94	90	70-130	4	20		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	86.2	82.1	86	82	70-130	5	20	N2	
Acetone	ug/L	ND	100	100	69.4	64.8	69	65	70-130	7	20	M1,N2	
Allyl chloride	ug/L	ND	20	20	17.8	16.2	89	81	70-130	9	20	N2	
Benzene	ug/L	ND	20	20	18.5	17.9	92	89	70-130	3	20		
Bromobenzene	ug/L	ND	20	20	16.2	15.6	81	78	70-130	4	20		
Bromochloromethane	ug/L	ND	20	20	17.9	19.9	90	99	70-130	10	20		
Bromodichloromethane	ug/L	ND	20	20	17.7	16.3	88	81	70-130	8	20		
Bromoform	ug/L	ND	20	20	17.1	15.4	85	77	70-130	10	20		
Bromomethane	ug/L	ND	20	20	22.5	23.0	113	115	70-130	2	20		
Carbon tetrachloride	ug/L	ND	20	20	20.2	19.2	101	96	70-130	5	20		
Chlorobenzene	ug/L	ND	20	20	18.7	17.3	93	87	70-130	7	20		
Chloroethane	ug/L	ND	20	20	19.3	18.2	96	91	70-130	5	20		
Chloroform	ug/L	ND	20	20	17.7	17.1	89	85	70-130	4	20		
Chloromethane	ug/L	ND	20	20	18.4	18.5	92	93	70-130	0	20		
cis-1,2-Dichloroethene	ug/L	ND	20	20	18.5	17.8	92	89	70-130	4	20		
cis-1,3-Dichloropropene	ug/L	ND	20	20	16.6	15.5	83	77	70-130	7	20		
Dibromochloromethane	ug/L	ND	20	20	18.6	17.7	93	89	70-130	5	20		
Dibromomethane	ug/L	ND	20	20	17.2	15.4	86	77	70-130	11	20		
Dichlorodifluoromethane	ug/L	ND	20	20	21.2	20.7	106	104	70-130	2	20		
Dichlorofluoromethane	ug/L	ND	20	20	18.3	18.4	92	92	70-130	0	20	N2	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	18.2	16.9	91	84	70-130	8	20	N2	
Ethylbenzene	ug/L	ND	20	20	19.6	18.5	98	92	70-130	6	20		
Hexachloro-1,3-butadiene	ug/L	ND	20	20	15.4	15.6	77	78	70-130	1	20		
Isopropylbenzene (Cumene)	ug/L	ND	20	20	20.7	19.8	104	99	70-130	5	20		
m&p-Xylene	ug/L	ND	40	40	40.8	38.0	102	95	70-130	7	20	N2	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.8	16.1	89	80	70-130	10	20		
Methylene Chloride	ug/L	ND	20	20	18.9	17.3	95	86	70-130	9	20	N2	
n-Butylbenzene	ug/L	ND	20	20	20.2	19.5	101	98	70-130	3	20		
n-Propylbenzene	ug/L	ND	20	20	19.2	18.5	96	93	70-130	4	20		
Naphthalene	ug/L	ND	20	20	15.5	15.3	77	77	70-130	1	20		
o-Xylene	ug/L	ND	20	20	20.1	19.1	101	95	70-130	5	20	N2	
p-Isopropyltoluene	ug/L	ND	20	20	19.9	19.0	99	95	70-130	4	20	N2	
sec-Butylbenzene	ug/L	ND	20	20	19.8	19.0	99	95	70-130	4	20		
Styrene	ug/L	ND	20	20	19.4	18.3	97	92	70-130	6	20		
tert-Butylbenzene	ug/L	ND	20	20	20.6	19.6	103	98	70-130	5	20		
Tetrachloroethene	ug/L	ND	20	20	19.8	19.1	99	95	70-130	4	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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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535595

Parameter	Units	3771251		3771252		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10535595001 Result	MS Spike Conc.	MSD Spike Conc.									
Tetrahydrofuran	ug/L	ND	200	200	157	161	78	81	70-130	3	20	N2	
Toluene	ug/L	ND	20	20	18.7	17.9	94	89	70-130	5	20		
trans-1,2-Dichloroethene	ug/L	ND	20	20	18.7	16.7	94	84	70-130	11	20		
trans-1,3-Dichloropropene	ug/L	ND	20	20	19.2	18.3	96	91	70-130	5	20		
Trichloroethene	ug/L	ND	20	20	19.8	18.4	99	92	70-130	7	20		
Trichlorofluoromethane	ug/L	ND	20	20	19.0	18.6	95	93	70-130	2	20		
Vinyl chloride	ug/L	ND	20	20	19.3	19.8	97	99	70-130	2	20		
Xylene (Total)	ug/L	ND	60	60	60.9	57.0	101	95	70-130	7	20		
1,2-Dichloroethane-d4 (S)	%						101	99	75-125				
4-Bromofluorobenzene (S)	%						99	103	75-125				
Toluene-d8 (S)	%						100	101	75-125				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-Revised Report
Pace Project No.: 10535595

QC Batch:	705195	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: 10535595001, 10535595002, 10535595003, 10535595004, 10535595005, 10535595006, 10535595007, 10535595008, 10535595009, 10535595010, 10535595012, 10535595013, 10535595014, 10535595015, 10535595016, 10535595017

METHOD BLANK: 3767924 Matrix: Water
Associated Lab Samples: 10535595001, 10535595002, 10535595003, 10535595004, 10535595005, 10535595006, 10535595007, 10535595008, 10535595009, 10535595010, 10535595012, 10535595013, 10535595014, 10535595015, 10535595016, 10535595017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.2	10/19/20 10:45	

LABORATORY CONTROL SAMPLE: 3767925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.8	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3767926 3767927

Parameter	Units	10535595001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	37.5	50	50	80.8	81.5	87	88	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3767928 3767929

Parameter	Units	10535595002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	28.1	50	50	71.9	72.7	88	89	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-Revised Report

Pace Project No.: 10535595

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1M Analyte not detected when evaluated to the MDL.

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.

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 002012-Revised Report

Pace Project No.: 10535595

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10535595001	W-201014-KJ-01	EPA 524.2	705926		
10535595002	W-201014-KJ-02	EPA 524.2	705926		
10535595003	W-201014-KJ-03	EPA 524.2	705926		
10535595004	W-201014-KJ-04	EPA 524.2	705926		
10535595005	W-201014-KJ-05	EPA 524.2	705926		
10535595006	W-201014-KJ-06	EPA 524.2	705926		
10535595007	W-201014-KJ-07	EPA 524.2	705926		
10535595008	W-201014-KJ-08	EPA 524.2	705926		
10535595009	W-201014-KJ-09	EPA 524.2	705926		
10535595010	W-201014-KJ-10	EPA 524.2	705926		
10535595011	Trip Blank	EPA 524.2	705926		
10535595012	W-201014-KJ-11	EPA 524.2	705926		
10535595013	W-201014-KJ-12	EPA 524.2	705926		
10535595014	W-201014-KJ-13	EPA 524.2	705926		
10535595015	W-201014-KJ-14	EPA 524.2	705926		
10535595016	W-201014-KJ-15	EPA 524.2	705926		
10535595017	W-201014-KJ-16	EPA 524.2	705926		
10535595001	W-201014-KJ-01	EPA 300.0	705195		
10535595002	W-201014-KJ-02	EPA 300.0	705195		
10535595003	W-201014-KJ-03	EPA 300.0	705195		
10535595004	W-201014-KJ-04	EPA 300.0	705195		
10535595005	W-201014-KJ-05	EPA 300.0	705195		
10535595006	W-201014-KJ-06	EPA 300.0	705195		
10535595007	W-201014-KJ-07	EPA 300.0	705195		
10535595008	W-201014-KJ-08	EPA 300.0	705195		
10535595009	W-201014-KJ-09	EPA 300.0	705195		
10535595010	W-201014-KJ-10	EPA 300.0	705195		
10535595012	W-201014-KJ-11	EPA 300.0	705195		
10535595013	W-201014-KJ-12	EPA 300.0	705195		
10535595014	W-201014-KJ-13	EPA 300.0	705195		
10535595015	W-201014-KJ-14	EPA 300.0	705195		
10535595016	W-201014-KJ-15	EPA 300.0	705195		
10535595017	W-201014-KJ-16	EPA 300.0	705195		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

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

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

Company: 6 HD		Container Preservative Type **	
Address: 100 Old Hwy 8		Lab Project Manager:	
Report To: Grant Anderson/Sarah Hill		** 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	
Site Collection Info/Address:		Analyses	
State: MW / North Oaks		Lab Profile/Line: 22510	
Time Zone Collected: [] PT [] MT [] CT [] ET		Lab Sample Receipt Checklist:	
Compliance Monitoring?		Custody Seals Present/Intact Y N NA	
[] Yes [] No		Custody Signatures Present Y N NA	
DW PWS ID #:		Collector Signature Present Y N NA	
DW Location Code:		Bottles Intact Y N NA	
Immediately Packed on Ice:		Correct Bottles Y N NA	
[X] Yes [] No		Sufficient Volume Y N NA	
Field Filtered (if applicable):		Samples Received on Ice Y N NA	
[] Yes [] No		VOA - Headspace, Acceptable Y N NA	
Analysis: _____		Y N NA	
		Y N NA	
		Y N NA	

MO#: 10535595

10535595

Lab Sample # / Comments:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Time	Res Cl	# of Ctns	Wet	Blue	Dry	None	Lab Sample # / Comments
6W-201014-KS-01	PW	6	10/14/20	0905		12					* MS/MSD *
-02			0941			4					DU
-03			0942								DU
-04			1006								DU
-05			1020								DU
-06			1035								DU
-07			1101								DU
-08			1126								DU
-09			1157								DU
-10			1228								DU

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

Lab Tracking #: **2539807**

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

Samples received via: FEDEX UPS Client Courier Pace Courier

Date/Time: **10-14-20 15:30**

Date/Time: **10-14-20 1900**

Date/Time:

Received by/Company: *[Signature]*

Received by/Company: *[Signature]*

Received by/Company: *[Signature]*

Lab Sample Temperature Info:

Temp Blank Received: **Y** N NA

Therm ID#:

Cooler 1 Temp Upon Receipt: **0.40C**

Cooler 1 Therm Corr. Factor: **10.10C**

Cooler 1 Corrected Temp: **0.90C**

Comments:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: **1** of: **1**

Lab Sample # / Comments:

VOCS (524.2)

(Leak (300.0))

Lab Sample # / Comments:

*** MS/MSD ***

DU

DU

DU

DU

DU

DU

DU

DU

DU

DU

Customer Project Name/Number: **002012**

Site/Facility ID #: **MW / North Oaks**

Purchase Order #: _____

Quote #: _____

Turnaround Date Required: _____

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)

Relinquished by/Company: *[Signature]*

Relinquished by/Company: *[Signature]*

Relinquished by/Company: *[Signature]*



CHAIN-OF-CUSTODY Analytical Request Document

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

Company: **GHD**
Address: **1601 Old Hwy 8**
Report To: **Grant Anderson / Sarah Hill**
Copy To:

Customer Project Name/Number: **002012**
State: **MN / North Oaks**
County/City: **North Oaks**
Time Zone Collected: **PT [] MT [] ET []**
Site Collection Info/Address:
Email To:
Site Collection Info/Address:
Phone:
Site/Facility ID #:
Purchase Order #:
Quote #:
Turnaround Date Required:
Rush:
Sample Disposal:
Compliance Monitoring?
DW PWS ID #:
DW Location Code:
Immediately Packed on Ice:
Field Filtered (if applicable):
Analysis:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Res Cl	# of Ctns
			Date	Time		
TRIP Blank	-	-	-	-	-	2
w-201014-K5-11	DW	6	10/14/20	12:52		
-12			1330			
-13			1405			
-14			1406			
-15			1420			
-16			1432			
-17						
-18						
-19						

Customer Remarks / Special Conditions / Possible Hazards:
Type of Ice Used: Wet Blue Dry None
Packing Material Used:
Radchem sample(s) screened (<500 ppm): Y N NA

Relinquished by/Company: (Signature) **Grant Anderson**
Date/Time: **10/14/20 15:30**
Received by/Company: (Signature) **Sarah Hill**
Date/Time: **10/14/20 16:52**
Relinquished by/Company: (Signature) **Grant Anderson**
Date/Time: **10/14/20 19:00**
Received by/Company: (Signature) **Sarah Hill**
Date/Time: **10/14/20 19:00**

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

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

ALL SHADED AREAS are for LAB USE ONLY

Lab Profile/Line:	Lab Sample Receipt Checklist:
32510	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 Sample Temperature Info:
Temp Blank Received: **0** N NA
Therm ID#: **080**
Cooler 1 Temp Upon Receipt: **0.8** °C
Cooler 1 Therm Corr. Factor: **0.1** °C
Cooler 1 Corrected Temp: **0.9** °C
Comments:
Trip Blank Received: Y N NA
HCL MeOH TSP Other
Non Conformance(s): YES / NO
Page: **2** of: **2**

SHORT HOLDS PRESENT (<72 hours): Y N N/A
Lab Tracking #: **2539806**
Samples received via: FEDEX UPS Client Courier Pace Courier
Date/Time: **10/14/20 15:30**
Date/Time: **10/14/20 19:00**
Date/Time: **10/14/20 19:00**
Date/Time: **10/14/20 19:00**



Sample Condition Upon Receipt

Client Name: GHD Project #: _____

WO#: 10535595
 PM: TS1 Due Date: 10/29/20
 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) Type of Ice: Wet Blue None Dry Melted
 T4(0254) T5(0489)

Did Samples Originate in West Virginia? Yes No Were All Container Temps Taken? Yes No N/A
 Temp should be above freezing to 6°C Cooler Temp Read w/temp blank: 0.8 °C Average Corrected Temp (no temp blank only): _____ °C See Exceptions ENV-FRM-MIN4-0142
 Correction Factor: +0.1 Cooler Temp Corrected w/temp blank: 0.9 °C 1 Container

USDA Regulated Soil: N/A, water sample/Other: _____ Date/Initials of Person Examining Contents: 10 15 20 TN
 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 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No
 If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

	COMMENTS:
Chain of Custody Present and Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other _____
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Field Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is sufficient information available to reconcile the samples to the COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. If no, write ID/ Date/Time on Container Below: <input type="checkbox"/> See Exception ENV-FRM-MIN4-0142
Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other _____	
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12. Sample # <input type="checkbox"/> NaOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate
All containers needing preservation are found to be in compliance with EPA recommendation? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
(HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >10 Cyanide)	
Exceptions: <input checked="" type="checkbox"/> Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Positive for Res. Chlorine? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> See Exception ENV-FRM-MIN4-0142
	Res. Chlorine: 0-6 Roll _____ 0-6 Strip _____ 0-14 Strip _____
Extra labels present on soil VOA or WIDRO containers? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> See Exception ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>2 TB</u>
Trip Blank Custody Seals Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Pace Trip Blank Lot # (if purchased): <u>274154</u>

CLIENT NOTIFICATION/RESOLUTION

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

Project Manager Review:

J. Stair

Date: 10/20/20

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).

Labeled by: TN Page 66 of 66

October 30, 2020

Mr. Grant Anderson
GHD
1801 Old Highway 8 NW
Suite 114
St. Paul, MN 55112

RE: Project: 002012-Revised Report
Pace Project No.: 10535701

Dear Mr. Anderson:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2020. 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 October 30, 2020 to update the reporting format.

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

cc: Sarah Illi, GHD



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 002012-Revised Report

Pace Project No.: 10535701

Pace Analytical Services - 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+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

Massachusetts DWP Certification #: via MN 027-053-137

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137*

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 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 #: CL101

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-Revised Report
Pace Project No.: 10535701

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10535701001	W-201014-KJ-17	Drinking Water	10/14/20 15:00	10/15/20 16:14
10535701002	W-201015-KJ-20	Drinking Water	10/15/20 12:47	10/15/20 16:14
10535701003	W-201015-KJ-21	Drinking Water	10/15/20 08:43	10/15/20 16:14
10535701004	W-201015-KJ-22	Drinking Water	10/15/20 09:12	10/15/20 16:14
10535701005	W-201015-KJ-23	Drinking Water	10/15/20 09:43	10/15/20 16:14
10535701006	W-201015-KJ-24	Drinking Water	10/15/20 10:36	10/15/20 16:14
10535701007	W-201015-KJ-25	Drinking Water	10/15/20 11:46	10/15/20 16:14
10535701008	W-201015-KJ-26	Drinking Water	10/15/20 11:47	10/15/20 16:14
10535701009	W-201015-KJ-27	Drinking Water	10/15/20 12:13	10/15/20 16:14
10535701010	W-201015-KJ-28	Drinking Water	10/15/20 12:17	10/15/20 16:14
10535701011	W-201015-KJ-29	Drinking Water	10/15/20 13:24	10/15/20 16:14
10535701012	W-201015-KJ-30	Drinking Water	10/15/20 13:53	10/15/20 16:14
10535701013	Trip Blank	Drinking Water	10/15/20 00:00	10/15/20 16:14

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 002012-Revised Report

Pace Project No.: 10535701

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10535701001	W-201014-KJ-17	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701002	W-201015-KJ-20	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701003	W-201015-KJ-21	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701004	W-201015-KJ-22	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701005	W-201015-KJ-23	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701006	W-201015-KJ-24	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701007	W-201015-KJ-25	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701008	W-201015-KJ-26	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701009	W-201015-KJ-27	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701010	W-201015-KJ-28	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701011	W-201015-KJ-29	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701012	W-201015-KJ-30	EPA 524.2	AEZ	72	PASI-M
		EPA 300.0	KEO	1	PASI-M
10535701013	Trip Blank	EPA 524.2	AEZ	72	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 002012-Revised Report

Pace Project No.: 10535701

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
10535701001	W-201014-KJ-17					
EPA 300.0	Chloride	30.9	mg/L	1.2	10/20/20 04:53	
10535701002	W-201015-KJ-20					
EPA 300.0	Chloride	36.4	mg/L	1.2	10/19/20 21:32	
10535701003	W-201015-KJ-21					
EPA 300.0	Chloride	13.6	mg/L	1.2	10/19/20 22:17	
10535701004	W-201015-KJ-22					
EPA 300.0	Chloride	38.3	mg/L	1.2	10/20/20 07:10	
10535701005	W-201015-KJ-23					
EPA 300.0	Chloride	28.6	mg/L	1.2	10/20/20 07:25	
10535701006	W-201015-KJ-24					
EPA 300.0	Chloride	27.7	mg/L	1.2	10/20/20 07:40	
10535701007	W-201015-KJ-25					
EPA 300.0	Chloride	25.0	mg/L	1.2	10/20/20 07:55	
10535701008	W-201015-KJ-26					
EPA 300.0	Chloride	25.0	mg/L	1.2	10/20/20 12:51	
10535701010	W-201015-KJ-28					
EPA 300.0	Chloride	5.2	mg/L	1.2	10/20/20 13:21	
10535701011	W-201015-KJ-29					
EPA 300.0	Chloride	34.6	mg/L	1.2	10/20/20 09:41	
10535701012	W-201015-KJ-30					
EPA 300.0	Chloride	118	mg/L	6.0	10/20/20 12:36	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Date: October 30, 2020

Case Narrative

Volatile Organics Analysis

524.2

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

1,1-Dichloroethane (MDL = 0.16 ug/L)

cis-1,2-Dichloroethene (MDL = 0.14 ug/L)

Vinyl chloride (MDL = 0.086 ug/L)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

General Information:

13 samples were analyzed for EPA 524.2 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.

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.

QC Batch: 707104

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 3777860)
 - Bromomethane
- MS (Lab ID: 3777861)
 - Bromomethane
- MSD (Lab ID: 3777862)
 - Bromomethane

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.

QC Batch: 707104

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

- LCS (Lab ID: 3777860)
 - Bromomethane

Matrix Spikes:

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

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report
Pace Project No.: 10535701

Method: EPA 524.2
Description: 524.2 MSV
Client: GHD
Date: October 30, 2020

QC Batch: 707104

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10535701002

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

- MS (Lab ID: 3777861)
 - Bromomethane
- MSD (Lab ID: 3777862)
 - Bromomethane

Additional Comments:

Analyte Comments:

QC Batch: 707104

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

- Trip Blank (Lab ID: 10535701013)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201014-KJ-17 (Lab ID: 10535701001)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201015-KJ-20 (Lab ID: 10535701002)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201015-KJ-21 (Lab ID: 10535701003)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201015-KJ-22 (Lab ID: 10535701004)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201015-KJ-23 (Lab ID: 10535701005)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201015-KJ-24 (Lab ID: 10535701006)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201015-KJ-25 (Lab ID: 10535701007)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 707104

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

- W-201015-KJ-26 (Lab ID: 10535701008)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201015-KJ-27 (Lab ID: 10535701009)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201015-KJ-28 (Lab ID: 10535701010)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201015-KJ-29 (Lab ID: 10535701011)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride
- W-201015-KJ-30 (Lab ID: 10535701012)
 - 1,1-Dichloroethane
 - cis-1,2-Dichloroethene
 - Vinyl chloride

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- BLANK (Lab ID: 3777859)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- LCS (Lab ID: 3777860)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 707104

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- LCS (Lab ID: 3777860)
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- MS (Lab ID: 3777861)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- MSD (Lab ID: 3777862)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 707104

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- MSD (Lab ID: 3777862)
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- Trip Blank (Lab ID: 10535701013)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201014-KJ-17 (Lab ID: 10535701001)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-20 (Lab ID: 10535701002)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 707104

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201015-KJ-20 (Lab ID: 10535701002)
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-21 (Lab ID: 10535701003)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-22 (Lab ID: 10535701004)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 707104

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201015-KJ-22 (Lab ID: 10535701004)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-23 (Lab ID: 10535701005)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-24 (Lab ID: 10535701006)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-25 (Lab ID: 10535701007)
 - 1,2-Dibromo-3-chloropropane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 707104

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201015-KJ-25 (Lab ID: 10535701007)
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-26 (Lab ID: 10535701008)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-27 (Lab ID: 10535701009)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 707104

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201015-KJ-27 (Lab ID: 10535701009)
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-28 (Lab ID: 10535701010)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-29 (Lab ID: 10535701011)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 707104

N2: The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

- W-201015-KJ-29 (Lab ID: 10535701011)
 - 1,1,2-Trichlorotrifluoroethane
- W-201015-KJ-30 (Lab ID: 10535701012)
 - 1,2-Dibromo-3-chloropropane
 - 1,2-Dibromoethane (EDB)
 - 1,3-Dichloropropane
 - 1,3,5-Trimethylbenzene
 - 2-Butanone (MEK)
 - Allyl chloride
 - Acetone
 - Dichlorofluoromethane
 - Diethyl ether (Ethyl ether)
 - Methylene Chloride
 - 4-Methyl-2-pentanone (MIBK)
 - m&p-Xylene
 - o-Xylene
 - p-Isopropyltoluene
 - Tetrahydrofuran
 - 1,1,2-Trichlorotrifluoroethane
- BLANK (Lab ID: 3777859)
 - Dichlorofluoromethane
- LCS (Lab ID: 3777860)
 - Dichlorofluoromethane
- MS (Lab ID: 3777861)
 - Dichlorofluoromethane
- MSD (Lab ID: 3777862)
 - Dichlorofluoromethane
- Trip Blank (Lab ID: 10535701013)
 - Dichlorofluoromethane
- W-201014-KJ-17 (Lab ID: 10535701001)
 - Dichlorofluoromethane
- W-201015-KJ-20 (Lab ID: 10535701002)
 - Dichlorofluoromethane
- W-201015-KJ-21 (Lab ID: 10535701003)
 - Dichlorofluoromethane
- W-201015-KJ-22 (Lab ID: 10535701004)
 - Dichlorofluoromethane
- W-201015-KJ-23 (Lab ID: 10535701005)
 - Dichlorofluoromethane
- W-201015-KJ-24 (Lab ID: 10535701006)
 - Dichlorofluoromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 524.2

Description: 524.2 MSV

Client: GHD

Date: October 30, 2020

Analyte Comments:

QC Batch: 707104

- W-201015-KJ-25 (Lab ID: 10535701007)
 - Dichlorofluoromethane
- W-201015-KJ-26 (Lab ID: 10535701008)
 - Dichlorofluoromethane
- W-201015-KJ-27 (Lab ID: 10535701009)
 - Dichlorofluoromethane
- W-201015-KJ-28 (Lab ID: 10535701010)
 - Dichlorofluoromethane
- W-201015-KJ-29 (Lab ID: 10535701011)
 - Dichlorofluoromethane
- W-201015-KJ-30 (Lab ID: 10535701012)
 - Dichlorofluoromethane

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: 002012-Revised Report

Pace Project No.: 10535701

Method: EPA 300.0

Description: 300.0 IC Anions

Client: GHD

Date: October 30, 2020

General Information:

12 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.

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-Revised Report

Pace Project No.: 10535701

Sample: W-201014-KJ-17	Lab ID: 10535701001	Collected: 10/14/20 15:00	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 08:41	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 08:41	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 08:41	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 08:41	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 08:41	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 08:41	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 08:41	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 08:41	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 08:41	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 08:41	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 08:41	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 08:41	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 08:41	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 08:41	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 08:41	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 08:41	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 08:41	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 08:41	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 08:41	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 08:41	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 08:41	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 08:41	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 08:41	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 08:41	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 08:41	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 08:41	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 08:41	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 08:41	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 08:41	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 08:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 08:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 08:41	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 08:41	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 08:41	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 08:41	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 08:41	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 08:41	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 08:41	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 08:41	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 08:41	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 08:41	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 08:41	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 08:41	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 08:41	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 08:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 08:41	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201014-KJ-17	Lab ID: 10535701001	Collected: 10/14/20 15:00	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 08:41	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 08:41	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 08:41	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 08:41	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 08:41	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 08:41	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 08:41	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 08:41	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 08:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 08:41	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 08:41	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 08:41	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 08:41	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 08:41	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 08:41	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 08:41	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 08:41	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 08:41	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 08:41	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 08:41	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 08:41	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 08:41	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 08:41	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%.	75-125	1		10/28/20 08:41	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		10/28/20 08:41	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		10/28/20 08:41	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	30.9	mg/L	1.2	1		10/20/20 04:53	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-20	Lab ID: 10535701002	Collected: 10/15/20 12:47	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 08:18	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 08:18	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 08:18	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 08:18	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 08:18	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 08:18	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 08:18	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 08:18	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 08:18	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 08:18	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 08:18	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 08:18	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 08:18	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 08:18	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 08:18	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 08:18	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 08:18	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 08:18	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 08:18	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 08:18	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 08:18	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 08:18	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 08:18	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 08:18	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 08:18	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 08:18	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 08:18	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 08:18	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 08:18	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 08:18	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 08:18	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 08:18	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 08:18	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 08:18	74-83-9	M0
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 08:18	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 08:18	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 08:18	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 08:18	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 08:18	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 08:18	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 08:18	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 08:18	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 08:18	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 08:18	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 08:18	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 08:18	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-20	Lab ID: 10535701002	Collected: 10/15/20 12:47	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 08:18	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 08:18	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 08:18	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 08:18	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 08:18	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 08:18	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 08:18	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 08:18	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 08:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 08:18	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 08:18	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 08:18	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 08:18	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 08:18	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 08:18	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 08:18	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 08:18	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 08:18	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 08:18	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 08:18	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 08:18	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 08:18	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 08:18	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%.	75-125	1		10/28/20 08:18	460-00-4	
Toluene-d8 (S)	101	%.	75-125	1		10/28/20 08:18	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		10/28/20 08:18	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	36.4	mg/L	1.2	1		10/19/20 21:32	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-21	Lab ID: 10535701003	Collected: 10/15/20 08:43	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 09:05	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 09:05	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 09:05	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 09:05	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 09:05	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 09:05	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 09:05	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 09:05	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:05	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 09:05	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:05	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 09:05	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 09:05	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 09:05	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:05	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 09:05	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 09:05	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 09:05	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:05	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 09:05	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:05	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 09:05	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 09:05	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 09:05	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 09:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 09:05	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 09:05	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 09:05	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 09:05	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 09:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 09:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 09:05	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 09:05	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 09:05	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 09:05	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 09:05	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 09:05	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 09:05	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 09:05	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 09:05	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 09:05	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 09:05	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 09:05	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 09:05	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 09:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 09:05	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report
Pace Project No.: 10535701

Sample: W-201015-KJ-21 **Lab ID: 10535701003** Collected: 10/15/20 08:43 Received: 10/15/20 16:14 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 09:05	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 09:05	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 09:05	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 09:05	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 09:05	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 09:05	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 09:05	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 09:05	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 09:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 09:05	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 09:05	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 09:05	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 09:05	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 09:05	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 09:05	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 09:05	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 09:05	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 09:05	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 09:05	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 09:05	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 09:05	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 09:05	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 09:05	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	75-125	1		10/28/20 09:05	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		10/28/20 09:05	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		10/28/20 09:05	17060-07-0	

300.0 IC Anions

Analytical Method: EPA 300.0
Pace Analytical Services - Minneapolis

Chloride	13.6	mg/L	1.2	1		10/19/20 22:17	16887-00-6	
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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-22	Lab ID: 10535701004	Collected: 10/15/20 09:12	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 09:29	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 09:29	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 09:29	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 09:29	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 09:29	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 09:29	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 09:29	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 09:29	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:29	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 09:29	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:29	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 09:29	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 09:29	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 09:29	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:29	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 09:29	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 09:29	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 09:29	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:29	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 09:29	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:29	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 09:29	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 09:29	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 09:29	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 09:29	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 09:29	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 09:29	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 09:29	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 09:29	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 09:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 09:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 09:29	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 09:29	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 09:29	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 09:29	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 09:29	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 09:29	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 09:29	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 09:29	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 09:29	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 09:29	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 09:29	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 09:29	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 09:29	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 09:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 09:29	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report
Pace Project No.: 10535701

Sample: W-201015-KJ-22 **Lab ID: 10535701004** Collected: 10/15/20 09:12 Received: 10/15/20 16:14 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 09:29	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 09:29	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 09:29	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 09:29	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 09:29	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 09:29	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 09:29	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 09:29	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 09:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 09:29	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 09:29	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 09:29	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 09:29	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 09:29	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 09:29	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 09:29	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 09:29	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 09:29	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 09:29	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 09:29	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 09:29	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 09:29	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 09:29	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%.	75-125	1		10/28/20 09:29	460-00-4	
Toluene-d8 (S)	101	%.	75-125	1		10/28/20 09:29	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		10/28/20 09:29	17060-07-0	

300.0 IC Anions

Analytical Method: EPA 300.0
Pace Analytical Services - Minneapolis

Chloride	38.3	mg/L	1.2	1		10/20/20 07:10	16887-00-6	
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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-23	Lab ID: 10535701005	Collected: 10/15/20 09:43	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 09:53	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 09:53	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 09:53	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 09:53	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 09:53	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 09:53	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 09:53	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 09:53	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:53	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 09:53	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:53	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 09:53	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 09:53	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 09:53	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:53	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 09:53	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 09:53	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 09:53	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:53	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 09:53	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 09:53	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 09:53	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 09:53	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 09:53	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 09:53	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 09:53	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 09:53	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 09:53	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 09:53	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 09:53	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 09:53	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 09:53	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 09:53	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 09:53	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 09:53	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 09:53	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 09:53	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 09:53	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 09:53	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 09:53	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 09:53	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 09:53	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 09:53	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 09:53	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 09:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 09:53	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-23	Lab ID: 10535701005	Collected: 10/15/20 09:43	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 09:53	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 09:53	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 09:53	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 09:53	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 09:53	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 09:53	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 09:53	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 09:53	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 09:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 09:53	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 09:53	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 09:53	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 09:53	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 09:53	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 09:53	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 09:53	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 09:53	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 09:53	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 09:53	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 09:53	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 09:53	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 09:53	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 09:53	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%.	75-125	1		10/28/20 09:53	460-00-4	
Toluene-d8 (S)	103	%.	75-125	1		10/28/20 09:53	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		10/28/20 09:53	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	28.6	mg/L	1.2	1		10/20/20 07:25	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-24	Lab ID: 10535701006	Collected: 10/15/20 10:36	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 10:17	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 10:17	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 10:17	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 10:17	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 10:17	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 10:17	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 10:17	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 10:17	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 10:17	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 10:17	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 10:17	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 10:17	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 10:17	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 10:17	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 10:17	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 10:17	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 10:17	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 10:17	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 10:17	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 10:17	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 10:17	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 10:17	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 10:17	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 10:17	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 10:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 10:17	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 10:17	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 10:17	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 10:17	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 10:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 10:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 10:17	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 10:17	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 10:17	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 10:17	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 10:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 10:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 10:17	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 10:17	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 10:17	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 10:17	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 10:17	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 10:17	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 10:17	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 10:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 10:17	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report
Pace Project No.: 10535701

Sample: W-201015-KJ-24	Lab ID: 10535701006	Collected: 10/15/20 10:36	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 10:17	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 10:17	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 10:17	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 10:17	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 10:17	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 10:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 10:17	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 10:17	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 10:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 10:17	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 10:17	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 10:17	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 10:17	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 10:17	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 10:17	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 10:17	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 10:17	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 10:17	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 10:17	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 10:17	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 10:17	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 10:17	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 10:17	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%.	75-125	1		10/28/20 10:17	460-00-4	
Toluene-d8 (S)	98	%.	75-125	1		10/28/20 10:17	2037-26-5	
1,2-Dichloroethane-d4 (S)	98	%.	75-125	1		10/28/20 10:17	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	27.7	mg/L	1.2	1		10/20/20 07:40	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-25 **Lab ID: 10535701007** Collected: 10/15/20 11:46 Received: 10/15/20 16:14 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 10:41	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 10:41	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 10:41	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 10:41	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 10:41	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 10:41	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 10:41	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 10:41	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 10:41	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 10:41	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 10:41	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 10:41	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 10:41	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 10:41	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 10:41	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 10:41	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 10:41	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 10:41	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 10:41	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 10:41	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 10:41	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 10:41	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 10:41	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 10:41	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 10:41	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 10:41	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 10:41	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 10:41	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 10:41	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 10:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 10:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 10:41	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 10:41	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 10:41	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 10:41	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 10:41	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 10:41	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 10:41	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 10:41	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 10:41	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 10:41	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 10:41	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 10:41	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 10:41	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 10:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 10:41	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-25 **Lab ID: 10535701007** Collected: 10/15/20 11:46 Received: 10/15/20 16:14 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV								
Analytical Method: EPA 524.2								
Pace Analytical Services - Minneapolis								
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 10:41	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 10:41	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 10:41	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 10:41	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 10:41	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 10:41	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 10:41	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 10:41	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 10:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 10:41	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 10:41	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 10:41	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 10:41	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 10:41	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 10:41	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 10:41	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 10:41	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 10:41	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 10:41	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 10:41	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 10:41	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 10:41	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 10:41	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	75-125	1		10/28/20 10:41	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		10/28/20 10:41	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		10/28/20 10:41	17060-07-0	

300.0 IC Anions

Analytical Method: EPA 300.0

Pace Analytical Services - Minneapolis

Chloride	25.0	mg/L	1.2	1		10/20/20 07:55	16887-00-6	
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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-26 **Lab ID: 10535701008** Collected: 10/15/20 11:47 Received: 10/15/20 16:14 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 11:04	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 11:04	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 11:04	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 11:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 11:04	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 11:04	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 11:04	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 11:04	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:04	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 11:04	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:04	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 11:04	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 11:04	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 11:04	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:04	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 11:04	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 11:04	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 11:04	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:04	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 11:04	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:04	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 11:04	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 11:04	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 11:04	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 11:04	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 11:04	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 11:04	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 11:04	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 11:04	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 11:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 11:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 11:04	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 11:04	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 11:04	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 11:04	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 11:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 11:04	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 11:04	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 11:04	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 11:04	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 11:04	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 11:04	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 11:04	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 11:04	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 11:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 11:04	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-26 **Lab ID: 10535701008** Collected: 10/15/20 11:47 Received: 10/15/20 16:14 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 11:04	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 11:04	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 11:04	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 11:04	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 11:04	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 11:04	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 11:04	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 11:04	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 11:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 11:04	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 11:04	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 11:04	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 11:04	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 11:04	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 11:04	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 11:04	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 11:04	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 11:04	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 11:04	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 11:04	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 11:04	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 11:04	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 11:04	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%.	75-125	1		10/28/20 11:04	460-00-4	
Toluene-d8 (S)	98	%.	75-125	1		10/28/20 11:04	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		10/28/20 11:04	17060-07-0	

300.0 IC Anions

Analytical Method: EPA 300.0
Pace Analytical Services - Minneapolis

Chloride	25.0	mg/L	1.2	1		10/20/20 12:51	16887-00-6	
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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-27	Lab ID: 10535701009	Collected: 10/15/20 12:13	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 11:28	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 11:28	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 11:28	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 11:28	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 11:28	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 11:28	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 11:28	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 11:28	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:28	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 11:28	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:28	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 11:28	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 11:28	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 11:28	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:28	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 11:28	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 11:28	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 11:28	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:28	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 11:28	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:28	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 11:28	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 11:28	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 11:28	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 11:28	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 11:28	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 11:28	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 11:28	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 11:28	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 11:28	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 11:28	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 11:28	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 11:28	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 11:28	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 11:28	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 11:28	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 11:28	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 11:28	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 11:28	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 11:28	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 11:28	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 11:28	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 11:28	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 11:28	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 11:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 11:28	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-27	Lab ID: 10535701009	Collected: 10/15/20 12:13	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 11:28	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 11:28	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 11:28	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 11:28	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 11:28	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 11:28	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 11:28	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 11:28	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 11:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 11:28	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 11:28	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 11:28	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 11:28	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 11:28	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 11:28	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 11:28	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 11:28	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 11:28	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 11:28	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 11:28	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 11:28	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 11:28	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 11:28	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%.	75-125	1		10/28/20 11:28	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		10/28/20 11:28	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%.	75-125	1		10/28/20 11:28	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0						
		Pace Analytical Services - Minneapolis						
Chloride	ND	mg/L	1.2	1		10/20/20 13:06	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-28	Lab ID: 10535701010	Collected: 10/15/20 12:17	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 11:52	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 11:52	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 11:52	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 11:52	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 11:52	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 11:52	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 11:52	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 11:52	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:52	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 11:52	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:52	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 11:52	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 11:52	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 11:52	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:52	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 11:52	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 11:52	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 11:52	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:52	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 11:52	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 11:52	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 11:52	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 11:52	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 11:52	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 11:52	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 11:52	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 11:52	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 11:52	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 11:52	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 11:52	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 11:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 11:52	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 11:52	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 11:52	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 11:52	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 11:52	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 11:52	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 11:52	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 11:52	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 11:52	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 11:52	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 11:52	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 11:52	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 11:52	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 11:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 11:52	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-28	Lab ID: 10535701010	Collected: 10/15/20 12:17	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 11:52	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 11:52	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 11:52	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 11:52	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 11:52	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 11:52	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 11:52	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 11:52	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 11:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 11:52	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 11:52	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 11:52	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 11:52	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 11:52	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 11:52	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 11:52	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 11:52	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 11:52	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 11:52	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 11:52	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 11:52	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 11:52	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 11:52	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%.	75-125	1		10/28/20 11:52	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		10/28/20 11:52	2037-26-5	
1,2-Dichloroethane-d4 (S)	103	%.	75-125	1		10/28/20 11:52	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	5.2	mg/L	1.2	1		10/20/20 13:21	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-29	Lab ID: 10535701011	Collected: 10/15/20 13:24	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 12:16	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 12:16	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 12:16	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 12:16	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 12:16	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 12:16	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 12:16	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 12:16	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 12:16	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 12:16	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 12:16	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 12:16	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 12:16	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 12:16	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 12:16	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 12:16	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 12:16	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 12:16	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 12:16	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 12:16	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 12:16	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 12:16	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 12:16	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 12:16	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 12:16	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 12:16	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 12:16	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 12:16	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 12:16	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 12:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 12:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 12:16	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 12:16	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 12:16	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 12:16	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 12:16	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 12:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 12:16	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 12:16	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 12:16	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 12:16	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 12:16	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 12:16	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 12:16	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 12:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 12:16	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report
Pace Project No.: 10535701

Sample: W-201015-KJ-29	Lab ID: 10535701011	Collected: 10/15/20 13:24	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2 Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 12:16	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 12:16	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 12:16	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 12:16	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 12:16	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 12:16	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 12:16	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 12:16	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 12:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 12:16	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 12:16	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 12:16	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 12:16	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 12:16	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 12:16	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 12:16	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 12:16	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 12:16	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 12:16	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 12:16	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 12:16	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 12:16	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 12:16	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%.	75-125	1		10/28/20 12:16	460-00-4	
Toluene-d8 (S)	102	%.	75-125	1		10/28/20 12:16	2037-26-5	
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		10/28/20 12:16	17060-07-0	
300.0 IC Anions		Analytical Method: EPA 300.0 Pace Analytical Services - Minneapolis						
Chloride	34.6	mg/L	1.2	1		10/20/20 09:41	16887-00-6	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-30	Lab ID: 10535701012	Collected: 10/15/20 13:53	Received: 10/15/20 16:14	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 12:39	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 12:39	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 12:39	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 12:39	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 12:39	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 12:39	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 12:39	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 12:39	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 12:39	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 12:39	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 12:39	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 12:39	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 12:39	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 12:39	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 12:39	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 12:39	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 12:39	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 12:39	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 12:39	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 12:39	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 12:39	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 12:39	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 12:39	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 12:39	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 12:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 12:39	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 12:39	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 12:39	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 12:39	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 12:39	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 12:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 12:39	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 12:39	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 12:39	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 12:39	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 12:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 12:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 12:39	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 12:39	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 12:39	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 12:39	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 12:39	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 12:39	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 12:39	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 12:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 12:39	87-68-3	

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: W-201015-KJ-30 **Lab ID: 10535701012** Collected: 10/15/20 13:53 Received: 10/15/20 16:14 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV								
Analytical Method: EPA 524.2								
Pace Analytical Services - Minneapolis								
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 12:39	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 12:39	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 12:39	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 12:39	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 12:39	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 12:39	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 12:39	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 12:39	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 12:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 12:39	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 12:39	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 12:39	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 12:39	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 12:39	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 12:39	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 12:39	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 12:39	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 12:39	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 12:39	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 12:39	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 12:39	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 12:39	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 12:39	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	75-125	1		10/28/20 12:39	460-00-4	
Toluene-d8 (S)	102	%	75-125	1		10/28/20 12:39	2037-26-5	
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		10/28/20 12:39	17060-07-0	

300.0 IC Anions

Analytical Method: EPA 300.0

Pace Analytical Services - Minneapolis

Chloride	118	mg/L	6.0	5		10/20/20 12:36	16887-00-6	
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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: Trip Blank **Lab ID: 10535701013** Collected: 10/15/20 00:00 Received: 10/15/20 16:14 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 07:30	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	0.50	1		10/28/20 07:30	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	1		10/28/20 07:30	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	0.50	1		10/28/20 07:30	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		10/28/20 07:30	76-13-1	N2
1,1-Dichloroethane	ND	ug/L	0.50	1		10/28/20 07:30	75-34-3	1M
1,1-Dichloroethene	ND	ug/L	1.0	1		10/28/20 07:30	75-35-4	
1,1-Dichloropropene	ND	ug/L	0.50	1		10/28/20 07:30	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 07:30	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		10/28/20 07:30	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	0.50	1		10/28/20 07:30	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 07:30	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		10/28/20 07:30	96-12-8	N2
1,2-Dibromoethane (EDB)	ND	ug/L	0.50	1		10/28/20 07:30	106-93-4	N2
1,2-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 07:30	95-50-1	
1,2-Dichloroethane	ND	ug/L	0.50	1		10/28/20 07:30	107-06-2	
1,2-Dichloropropane	ND	ug/L	4.0	1		10/28/20 07:30	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	0.50	1		10/28/20 07:30	108-67-8	N2
1,3-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 07:30	541-73-1	
1,3-Dichloropropane	ND	ug/L	0.50	1		10/28/20 07:30	142-28-9	N2
1,4-Dichlorobenzene	ND	ug/L	0.50	1		10/28/20 07:30	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		10/28/20 07:30	594-20-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		10/28/20 07:30	78-93-3	N2
2-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 07:30	95-49-8	
4-Chlorotoluene	ND	ug/L	0.50	1		10/28/20 07:30	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		10/28/20 07:30	108-10-1	N2
Acetone	ND	ug/L	20.0	1		10/28/20 07:30	67-64-1	N2
Allyl chloride	ND	ug/L	4.0	1		10/28/20 07:30	107-05-1	N2
Benzene	ND	ug/L	0.50	1		10/28/20 07:30	71-43-2	
Bromobenzene	ND	ug/L	0.50	1		10/28/20 07:30	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		10/28/20 07:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		10/28/20 07:30	75-27-4	
Bromoform	ND	ug/L	4.0	1		10/28/20 07:30	75-25-2	
Bromomethane	ND	ug/L	4.0	1		10/28/20 07:30	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		10/28/20 07:30	56-23-5	
Chlorobenzene	ND	ug/L	0.50	1		10/28/20 07:30	108-90-7	
Chloroethane	ND	ug/L	1.0	1		10/28/20 07:30	75-00-3	
Chloroform	ND	ug/L	1.0	1		10/28/20 07:30	67-66-3	
Chloromethane	ND	ug/L	4.0	1		10/28/20 07:30	74-87-3	
Dibromochloromethane	ND	ug/L	0.50	1		10/28/20 07:30	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		10/28/20 07:30	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		10/28/20 07:30	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		10/28/20 07:30	75-43-4	N2
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		10/28/20 07:30	60-29-7	N2
Ethylbenzene	ND	ug/L	0.50	1		10/28/20 07:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		10/28/20 07:30	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 002012-Revised Report

Pace Project No.: 10535701

Sample: Trip Blank		Lab ID: 10535701013	Collected: 10/15/20 00:00	Received: 10/15/20 16:14	Matrix: Drinking Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV		Analytical Method: EPA 524.2						
		Pace Analytical Services - Minneapolis						
Isopropylbenzene (Cumene)	ND	ug/L	0.50	1		10/28/20 07:30	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	0.50	1		10/28/20 07:30	1634-04-4	
Methylene Chloride	ND	ug/L	4.0	1		10/28/20 07:30	75-09-2	N2
Naphthalene	ND	ug/L	1.0	1		10/28/20 07:30	91-20-3	
Styrene	ND	ug/L	0.50	1		10/28/20 07:30	100-42-5	
Tetrachloroethene	ND	ug/L	0.50	1		10/28/20 07:30	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		10/28/20 07:30	109-99-9	N2
Toluene	ND	ug/L	0.50	1		10/28/20 07:30	108-88-3	
Trichloroethene	ND	ug/L	0.40	1		10/28/20 07:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	0.50	1		10/28/20 07:30	75-69-4	
Vinyl chloride	ND	ug/L	0.20	1		10/28/20 07:30	75-01-4	1M
Xylene (Total)	ND	ug/L	1.5	1		10/28/20 07:30	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 07:30	156-59-2	1M
cis-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 07:30	10061-01-5	
m&p-Xylene	ND	ug/L	1.0	1		10/28/20 07:30	179601-23-1	N2
n-Butylbenzene	ND	ug/L	0.50	1		10/28/20 07:30	104-51-8	
n-Propylbenzene	ND	ug/L	0.50	1		10/28/20 07:30	103-65-1	
o-Xylene	ND	ug/L	0.50	1		10/28/20 07:30	95-47-6	N2
p-Isopropyltoluene	ND	ug/L	0.50	1		10/28/20 07:30	99-87-6	N2
sec-Butylbenzene	ND	ug/L	0.50	1		10/28/20 07:30	135-98-8	
tert-Butylbenzene	ND	ug/L	0.50	1		10/28/20 07:30	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	0.50	1		10/28/20 07:30	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	0.50	1		10/28/20 07:30	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%.	75-125	1		10/28/20 07:30	460-00-4	
Toluene-d8 (S)	102	%.	75-125	1		10/28/20 07:30	2037-26-5	
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		10/28/20 07:30	17060-07-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535701

QC Batch: 707104

Analysis Method: EPA 524.2

QC Batch Method: EPA 524.2

Analysis Description: 524.2 MSV

Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 10535701001, 10535701002, 10535701003, 10535701004, 10535701005, 10535701006, 10535701007, 10535701008, 10535701009, 10535701010, 10535701011, 10535701012, 10535701013

METHOD BLANK: 3777859

Matrix: Water

Associated Lab Samples: 10535701001, 10535701002, 10535701003, 10535701004, 10535701005, 10535701006, 10535701007, 10535701008, 10535701009, 10535701010, 10535701011, 10535701012, 10535701013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	0.50	10/28/20 07:07	
1,1,1-Trichloroethane	ug/L	ND	0.50	10/28/20 07:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	0.50	10/28/20 07:07	
1,1,2-Trichloroethane	ug/L	ND	0.50	10/28/20 07:07	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	10/28/20 07:07	N2
1,1-Dichloroethane	ug/L	ND	0.50	10/28/20 07:07	
1,1-Dichloroethene	ug/L	ND	1.0	10/28/20 07:07	MN
1,1-Dichloropropene	ug/L	ND	0.50	10/28/20 07:07	
1,2,3-Trichlorobenzene	ug/L	ND	0.50	10/28/20 07:07	
1,2,3-Trichloropropane	ug/L	ND	4.0	10/28/20 07:07	
1,2,4-Trichlorobenzene	ug/L	ND	0.50	10/28/20 07:07	
1,2,4-Trimethylbenzene	ug/L	ND	0.50	10/28/20 07:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	10/28/20 07:07	N2
1,2-Dibromoethane (EDB)	ug/L	ND	0.50	10/28/20 07:07	N2
1,2-Dichlorobenzene	ug/L	ND	0.50	10/28/20 07:07	
1,2-Dichloroethane	ug/L	ND	0.50	10/28/20 07:07	
1,2-Dichloropropane	ug/L	ND	4.0	10/28/20 07:07	
1,3,5-Trimethylbenzene	ug/L	ND	0.50	10/28/20 07:07	N2
1,3-Dichlorobenzene	ug/L	ND	0.50	10/28/20 07:07	
1,3-Dichloropropane	ug/L	ND	0.50	10/28/20 07:07	N2
1,4-Dichlorobenzene	ug/L	ND	0.50	10/28/20 07:07	
2,2-Dichloropropane	ug/L	ND	1.0	10/28/20 07:07	
2-Butanone (MEK)	ug/L	ND	5.0	10/28/20 07:07	N2
2-Chlorotoluene	ug/L	ND	0.50	10/28/20 07:07	
4-Chlorotoluene	ug/L	ND	0.50	10/28/20 07:07	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	10/28/20 07:07	N2
Acetone	ug/L	ND	20.0	10/28/20 07:07	N2
Allyl chloride	ug/L	ND	4.0	10/28/20 07:07	N2
Benzene	ug/L	ND	0.50	10/28/20 07:07	
Bromobenzene	ug/L	ND	0.50	10/28/20 07:07	
Bromochloromethane	ug/L	ND	1.0	10/28/20 07:07	
Bromodichloromethane	ug/L	ND	1.0	10/28/20 07:07	
Bromoform	ug/L	ND	4.0	10/28/20 07:07	
Bromomethane	ug/L	ND	4.0	10/28/20 07:07	
Carbon tetrachloride	ug/L	ND	1.0	10/28/20 07:07	
Chlorobenzene	ug/L	ND	0.50	10/28/20 07:07	
Chloroethane	ug/L	ND	1.0	10/28/20 07:07	
Chloroform	ug/L	ND	1.0	10/28/20 07:07	
Chloromethane	ug/L	ND	4.0	10/28/20 07:07	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-Revised Report
Pace Project No.: 10535701

METHOD BLANK: 3777859

Matrix: Water

Associated Lab Samples: 10535701001, 10535701002, 10535701003, 10535701004, 10535701005, 10535701006, 10535701007, 10535701008, 10535701009, 10535701010, 10535701011, 10535701012, 10535701013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	0.50	10/28/20 07:07	
cis-1,3-Dichloropropene	ug/L	ND	0.50	10/28/20 07:07	
Dibromochloromethane	ug/L	ND	0.50	10/28/20 07:07	
Dibromomethane	ug/L	ND	1.0	10/28/20 07:07	
Dichlorodifluoromethane	ug/L	ND	1.0	10/28/20 07:07	
Dichlorofluoromethane	ug/L	ND	1.0	10/28/20 07:07	N2
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	10/28/20 07:07	N2
Ethylbenzene	ug/L	ND	0.50	10/28/20 07:07	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	10/28/20 07:07	
Isopropylbenzene (Cumene)	ug/L	ND	0.50	10/28/20 07:07	
m&p-Xylene	ug/L	ND	1.0	10/28/20 07:07	N2
Methyl-tert-butyl ether	ug/L	ND	0.50	10/28/20 07:07	
Methylene Chloride	ug/L	ND	4.0	10/28/20 07:07	
n-Butylbenzene	ug/L	ND	0.50	10/28/20 07:07	
n-Propylbenzene	ug/L	ND	0.50	10/28/20 07:07	
Naphthalene	ug/L	ND	1.0	10/28/20 07:07	
o-Xylene	ug/L	ND	0.50	10/28/20 07:07	N2
p-Isopropyltoluene	ug/L	ND	0.50	10/28/20 07:07	N2
sec-Butylbenzene	ug/L	ND	0.50	10/28/20 07:07	
Styrene	ug/L	ND	0.50	10/28/20 07:07	
tert-Butylbenzene	ug/L	ND	0.50	10/28/20 07:07	
Tetrachloroethene	ug/L	ND	0.50	10/28/20 07:07	
Tetrahydrofuran	ug/L	ND	10.0	10/28/20 07:07	N2
Toluene	ug/L	ND	0.50	10/28/20 07:07	
trans-1,2-Dichloroethene	ug/L	ND	0.50	10/28/20 07:07	
trans-1,3-Dichloropropene	ug/L	ND	0.50	10/28/20 07:07	
Trichloroethene	ug/L	ND	0.40	10/28/20 07:07	
Trichlorofluoromethane	ug/L	ND	0.50	10/28/20 07:07	
Vinyl chloride	ug/L	ND	0.20	10/28/20 07:07	
Xylene (Total)	ug/L	ND	1.5	10/28/20 07:07	
1,2-Dichloroethane-d4 (S)	%	96	75-125	10/28/20 07:07	
4-Bromofluorobenzene (S)	%	98	75-125	10/28/20 07:07	
Toluene-d8 (S)	%	99	75-125	10/28/20 07:07	

LABORATORY CONTROL SAMPLE: 3777860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.2	91	70-130	
1,1,1-Trichloroethane	ug/L	20	18.5	93	70-130	
1,1,2,2-Tetrachloroethane	ug/L	20	19.2	96	70-130	
1,1,2-Trichloroethane	ug/L	20	20.1	101	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.3	101	70-130	N2
1,1-Dichloroethane	ug/L	20	18.8	94	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535701

LABORATORY CONTROL SAMPLE: 3777860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	20	20.3	101	70-130	
1,1-Dichloropropene	ug/L	20	18.1	90	70-130	
1,2,3-Trichlorobenzene	ug/L	20	20.6	103	70-130	
1,2,3-Trichloropropane	ug/L	20	19.8	99	70-130	
1,2,4-Trichlorobenzene	ug/L	20	19.1	95	70-130	
1,2,4-Trimethylbenzene	ug/L	20	19.1	95	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	48.7	97	70-130	N2
1,2-Dibromoethane (EDB)	ug/L	20	19.0	95	70-130	N2
1,2-Dichlorobenzene	ug/L	20	19.4	97	70-130	
1,2-Dichloroethane	ug/L	20	17.4	87	70-130	
1,2-Dichloropropane	ug/L	20	19.3	96	70-130	
1,3,5-Trimethylbenzene	ug/L	20	19.1	96	70-130	N2
1,3-Dichlorobenzene	ug/L	20	19.3	96	70-130	
1,3-Dichloropropane	ug/L	20	18.9	95	70-130	N2
1,4-Dichlorobenzene	ug/L	20	18.9	95	70-130	
2,2-Dichloropropane	ug/L	20	15.6	78	70-130	
2-Butanone (MEK)	ug/L	100	93.6	94	70-130	N2
2-Chlorotoluene	ug/L	20	18.6	93	70-130	
4-Chlorotoluene	ug/L	20	18.6	93	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	101	70-130	N2
Acetone	ug/L	100	95.8	96	70-130	N2
Allyl chloride	ug/L	20	19.7	98	70-130	N2
Benzene	ug/L	20	18.6	93	70-130	
Bromobenzene	ug/L	20	19.6	98	70-130	
Bromochloromethane	ug/L	20	18.9	95	70-130	
Bromodichloromethane	ug/L	20	18.8	94	70-130	
Bromoform	ug/L	20	18.5	92	70-130	
Bromomethane	ug/L	20	32.8	164	70-130	CH,L3
Carbon tetrachloride	ug/L	20	18.3	91	70-130	
Chlorobenzene	ug/L	20	19.5	98	70-130	
Chloroethane	ug/L	20	21.5	107	70-130	
Chloroform	ug/L	20	18.0	90	70-130	
Chloromethane	ug/L	20	21.5	107	70-130	
cis-1,2-Dichloroethene	ug/L	20	18.2	91	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.3	92	70-130	
Dibromochloromethane	ug/L	20	18.9	95	70-130	
Dibromomethane	ug/L	20	20.5	103	70-130	
Dichlorodifluoromethane	ug/L	20	19.3	96	70-130	
Dichlorofluoromethane	ug/L	20	21.2	106	70-130	N2
Diethyl ether (Ethyl ether)	ug/L	20	20.3	101	70-130	N2
Ethylbenzene	ug/L	20	19.7	99	70-130	
Hexachloro-1,3-butadiene	ug/L	20	18.2	91	70-130	
Isopropylbenzene (Cumene)	ug/L	20	19.5	97	70-130	
m&p-Xylene	ug/L	40	37.9	95	70-130	N2
Methyl-tert-butyl ether	ug/L	20	20.5	102	70-130	
Methylene Chloride	ug/L	20	20.9	104	70-130	
n-Butylbenzene	ug/L	20	18.8	94	70-130	

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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535701

LABORATORY CONTROL SAMPLE: 3777860

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Propylbenzene	ug/L	20	18.6	93	70-130	
Naphthalene	ug/L	20	18.9	94	70-130	
o-Xylene	ug/L	20	19.7	98	70-130	N2
p-Isopropyltoluene	ug/L	20	19.3	97	70-130	N2
sec-Butylbenzene	ug/L	20	19.2	96	70-130	
Styrene	ug/L	20	19.7	99	70-130	
tert-Butylbenzene	ug/L	20	19.3	96	70-130	
Tetrachloroethene	ug/L	20	19.9	99	70-130	
Tetrahydrofuran	ug/L	200	169	85	70-130	N2
Toluene	ug/L	20	19.3	97	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.1	96	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.5	93	70-130	
Trichloroethene	ug/L	20	19.4	97	70-130	
Trichlorofluoromethane	ug/L	20	23.0	115	70-130	
Vinyl chloride	ug/L	20	21.9	110	70-130	
Xylene (Total)	ug/L	60	57.6	96	70-130	
1,2-Dichloroethane-d4 (S)	%			96	75-125	
4-Bromofluorobenzene (S)	%			96	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3777861 3777862

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10535701002	Result	Spike Conc.	Spike Conc.								
1,1,1,2-Tetrachloroethane	ug/L	ND	ND	20	20	17.7	18.5	89	93	70-130	4	20	
1,1,1-Trichloroethane	ug/L	ND	ND	20	20	18.4	19.7	92	99	70-130	7	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND	20	20	18.6	18.9	93	95	70-130	2	20	
1,1,2-Trichloroethane	ug/L	ND	ND	20	20	19.3	19.6	97	98	70-130	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND	20	20	21.4	22.5	107	113	70-130	5	20	N2
1,1-Dichloroethane	ug/L	ND	ND	20	20	18.1	18.6	90	93	70-130	3	20	
1,1-Dichloroethene	ug/L	ND	ND	20	20	21.0	21.8	105	109	70-130	4	20	
1,1-Dichloropropene	ug/L	ND	ND	20	20	18.7	19.8	93	99	70-130	6	20	
1,2,3-Trichlorobenzene	ug/L	ND	ND	20	20	20.3	19.5	101	97	70-130	4	20	
1,2,3-Trichloropropane	ug/L	ND	ND	20	20	19.8	18.9	99	95	70-130	4	20	
1,2,4-Trichlorobenzene	ug/L	ND	ND	20	20	18.3	18.6	92	93	70-130	1	20	
1,2,4-Trimethylbenzene	ug/L	ND	ND	20	20	18.5	19.2	93	96	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND	50	50	45.1	45.3	90	91	70-130	1	20	N2
1,2-Dibromoethane (EDB)	ug/L	ND	ND	20	20	18.2	18.4	91	92	70-130	1	20	N2
1,2-Dichlorobenzene	ug/L	ND	ND	20	20	18.0	18.7	90	94	70-130	4	20	
1,2-Dichloroethane	ug/L	ND	ND	20	20	16.5	17.1	83	86	70-130	4	20	
1,2-Dichloropropane	ug/L	ND	ND	20	20	18.8	19.0	94	95	70-130	1	20	
1,3,5-Trimethylbenzene	ug/L	ND	ND	20	20	19.1	19.0	95	95	70-130	0	20	N2
1,3-Dichlorobenzene	ug/L	ND	ND	20	20	18.5	19.0	92	95	70-130	3	20	
1,3-Dichloropropane	ug/L	ND	ND	20	20	18.1	18.4	91	92	70-130	2	20	N2

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535701

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3777861 3777862												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		10535701002 Result	Spike Conc.	Spike Conc.	MS Conc.							
1,4-Dichlorobenzene	ug/L	ND	20	20	20	18.3	18.4	92	92	70-130	1	20
2,2-Dichloropropane	ug/L	ND	20	20	20	15.7	16.4	78	82	70-130	5	20
2-Butanone (MEK)	ug/L	ND	100	100	100	79.5	83.9	80	84	70-130	5	20 N2
2-Chlorotoluene	ug/L	ND	20	20	20	18.7	18.7	94	93	70-130	0	20
4-Chlorotoluene	ug/L	ND	20	20	20	18.1	18.5	91	93	70-130	2	20
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	100	96.7	95.9	97	96	70-130	1	20 N2
Acetone	ug/L	ND	100	100	100	78.8	82.2	79	82	70-130	4	20 N2
Allyl chloride	ug/L	ND	20	20	20	19.5	20.8	97	104	70-130	7	20 N2
Benzene	ug/L	ND	20	20	20	18.0	18.8	90	94	70-130	4	20
Bromobenzene	ug/L	ND	20	20	20	19.7	18.7	98	94	70-130	5	20
Bromochloromethane	ug/L	ND	20	20	20	18.2	18.9	91	95	70-130	4	20
Bromodichloromethane	ug/L	ND	20	20	20	18.7	18.6	94	93	70-130	1	20
Bromoform	ug/L	ND	20	20	20	17.4	17.9	87	89	70-130	3	20
Bromomethane	ug/L	ND	20	20	20	31.1	32.4	156	162	70-130	4	20 CH,M0
Carbon tetrachloride	ug/L	ND	20	20	20	18.4	19.6	92	98	70-130	6	20
Chlorobenzene	ug/L	ND	20	20	20	19.1	19.2	95	96	70-130	1	20
Chloroethane	ug/L	ND	20	20	20	21.1	22.4	106	112	70-130	6	20
Chloroform	ug/L	ND	20	20	20	16.7	18.0	83	90	70-130	7	20
Chloromethane	ug/L	ND	20	20	20	20.8	20.9	104	105	70-130	0	20
cis-1,2-Dichloroethene	ug/L	ND	20	20	20	17.6	18.1	88	90	70-130	2	20
cis-1,3-Dichloropropene	ug/L	ND	20	20	20	18.1	18.0	90	90	70-130	1	20
Dibromochloromethane	ug/L	ND	20	20	20	18.8	18.5	94	93	70-130	2	20
Dibromomethane	ug/L	ND	20	20	20	19.3	19.8	97	99	70-130	3	20
Dichlorodifluoromethane	ug/L	ND	20	20	20	19.2	19.5	96	98	70-130	2	20
Dichlorofluoromethane	ug/L	ND	20	20	20	20.9	21.2	105	106	70-130	2	20 N2
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	20	19.3	19.7	96	99	70-130	2	20 N2
Ethylbenzene	ug/L	ND	20	20	20	19.1	19.4	96	97	70-130	2	20
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20	18.3	18.6	92	93	70-130	2	20
Isopropylbenzene (Cumene)	ug/L	ND	20	20	20	19.6	19.6	98	98	70-130	0	20
m&p-Xylene	ug/L	ND	40	40	40	37.1	38.0	93	95	70-130	3	20 N2
Methyl-tert-butyl ether	ug/L	ND	20	20	20	18.8	19.6	94	98	70-130	4	20
Methylene Chloride	ug/L	ND	20	20	20	19.5	20.5	97	103	70-130	5	20
n-Butylbenzene	ug/L	ND	20	20	20	18.3	19.2	91	96	70-130	5	20
n-Propylbenzene	ug/L	ND	20	20	20	18.9	19.2	94	96	70-130	2	20
Naphthalene	ug/L	ND	20	20	20	18.5	18.9	93	94	70-130	2	20
o-Xylene	ug/L	ND	20	20	20	19.1	19.3	96	97	70-130	1	20 N2
p-Isopropyltoluene	ug/L	ND	20	20	20	19.5	19.7	98	99	70-130	1	20 N2
sec-Butylbenzene	ug/L	ND	20	20	20	19.3	19.8	96	99	70-130	3	20
Styrene	ug/L	ND	20	20	20	19.7	19.3	99	96	70-130	2	20
tert-Butylbenzene	ug/L	ND	20	20	20	19.3	19.8	97	99	70-130	3	20
Tetrachloroethene	ug/L	ND	20	20	20	20.6	20.7	103	103	70-130	0	20
Tetrahydrofuran	ug/L	ND	200	200	200	164	169	82	85	70-130	3	20 N2
Toluene	ug/L	ND	20	20	20	18.7	18.9	93	95	70-130	1	20
trans-1,2-Dichloroethene	ug/L	ND	20	20	20	19.1	20.2	96	101	70-130	5	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-Revised Report

Pace Project No.: 10535701

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3777861		3777862		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10535701002 Result	MS Spike Conc.	MSD Spike Conc.									
trans-1,3-Dichloropropene	ug/L	ND	20	20	18.5	18.3	93	92	70-130	1	20		
Trichloroethene	ug/L	ND	20	20	19.7	19.4	98	97	70-130	2	20		
Trichlorofluoromethane	ug/L	ND	20	20	22.8	23.9	114	119	70-130	5	20		
Vinyl chloride	ug/L	ND	20	20	22.0	22.9	110	114	70-130	4	20		
Xylene (Total)	ug/L	ND	60	60	56.2	57.4	94	96	70-130	2	20		
1,2-Dichloroethane-d4 (S)	%						94	96	75-125				
4-Bromofluorobenzene (S)	%						95	95	75-125				
Toluene-d8 (S)	%						100	98	75-125				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 002012-Revised Report
Pace Project No.: 10535701

QC Batch:	705196	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: 10535701001, 10535701002, 10535701003, 10535701004, 10535701005, 10535701006, 10535701007, 10535701008, 10535701009, 10535701010, 10535701011, 10535701012

METHOD BLANK: 3767930 Matrix: Water
Associated Lab Samples: 10535701001, 10535701002, 10535701003, 10535701004, 10535701005, 10535701006, 10535701007, 10535701008, 10535701009, 10535701010, 10535701011, 10535701012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.2	10/19/20 17:27	

LABORATORY CONTROL SAMPLE: 3767931

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3767932 3767933

Parameter	Units	10535701002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	36.4	50	50	78.6	79.3	85	86	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3767934 3767935

Parameter	Units	10535701003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	13.6	50	50	59.2	60.6	91	94	80-120	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 002012-Revised Report

Pace Project No.: 10535701

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1M Analyte not detected when evaluated to the MDL.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.

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

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

N2 The lab does not hold NELAC/TNI accreditation for this parameter but other accreditations/certifications may apply. A complete list of accreditations/certifications is available upon request.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 002012-Revised Report

Pace Project No.: 10535701

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10535701001	W-201014-KJ-17	EPA 524.2	707104		
10535701002	W-201015-KJ-20	EPA 524.2	707104		
10535701003	W-201015-KJ-21	EPA 524.2	707104		
10535701004	W-201015-KJ-22	EPA 524.2	707104		
10535701005	W-201015-KJ-23	EPA 524.2	707104		
10535701006	W-201015-KJ-24	EPA 524.2	707104		
10535701007	W-201015-KJ-25	EPA 524.2	707104		
10535701008	W-201015-KJ-26	EPA 524.2	707104		
10535701009	W-201015-KJ-27	EPA 524.2	707104		
10535701010	W-201015-KJ-28	EPA 524.2	707104		
10535701011	W-201015-KJ-29	EPA 524.2	707104		
10535701012	W-201015-KJ-30	EPA 524.2	707104		
10535701013	Trip Blank	EPA 524.2	707104		
10535701001	W-201014-KJ-17	EPA 300.0	705196		
10535701002	W-201015-KJ-20	EPA 300.0	705196		
10535701003	W-201015-KJ-21	EPA 300.0	705196		
10535701004	W-201015-KJ-22	EPA 300.0	705196		
10535701005	W-201015-KJ-23	EPA 300.0	705196		
10535701006	W-201015-KJ-24	EPA 300.0	705196		
10535701007	W-201015-KJ-25	EPA 300.0	705196		
10535701008	W-201015-KJ-26	EPA 300.0	705196		
10535701009	W-201015-KJ-27	EPA 300.0	705196		
10535701010	W-201015-KJ-28	EPA 300.0	705196		
10535701011	W-201015-KJ-29	EPA 300.0	705196		
10535701012	W-201015-KJ-30	EPA 300.0	705196		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

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

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

Company: **GHD**
 Address: **1301 Old Hwy 8**
 Report To: **Grant Anderson / Sarah Illi**
 Copy To:

Billing Information:
 Email To:
 Site Collection Info/Address:

Customer: Project Name/Number: **002012** State: **/** Country/City: Time Zone Collected: [] PT [] MT [] CT [] ET
 Phone: Site/Facility ID #: Compliance Monitoring? [] Yes [] No
 Email: **507/272/6071** Purchased Order #: DW PWS ID #: [] Yes [] No
 Collected By (print): **K. Sankin** Quote #: DW Location Code: Immediately Packed on Ice: [] Yes [] No
 Collected By (signature): Turnaround Date Required: [] Yes [] No

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

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Res CI	# of Ctns
			Date	Time		
W-201014-KS-17	DW	6	10/14/2020	1500		4
W-201015-KS-20			10/15/2020	0843	1747	12
-21				0912		4
-22				0943		4
-23				1036		4
-24				1146		4
-25				1147		4
-26				1213		4
-27				1217		4
-28						4

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

Relinquished by/Company: (Signature) **GHD** Date/Time: **10/15/2020 1530** Received by/Company: (Signature) **Grant Anderson**
 Relinquished by/Company: (Signature) **Grant Anderson** Date/Time: **10/15/2020 16:14** Received by/Company: (Signature) **TN Pace**
 Relinquished by/Company: (Signature) **Grant Anderson** Date/Time: **10/15/2020** Received by/Company: (Signature)

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

Analyses: Lab Profile/Line: **32510**
 Lab Sample Receipt Checklist:
 Custody Seals Present/Intact Y N NA
 Custody Signatures Present Y N NA
 Collector Signatures Present Y N NA
 Bottles Intact Y N NA
 Correct 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

WO#: 10535701

Comments: **MS/MSD X**

Customer Sample ID	Matrix *	Comp / Grab	Date	Time	Res CI	# of Ctns	Lab Sample Temperature Info:
W-201014-KS-17	DW	6	10/14/2020	1500		4	Temp Blank Received: 0 N NA Therm ID#: 001 Cooler 1 Therm Upon Receipt: 2.4 °C Cooler 1 Therm Corr. Factor: 0.1 °C Cooler 1 Corrected Temp: 2.5 °C
W-201015-KS-20			10/15/2020	0843	1747	12	Comments: MS/MSD X
-21				0912		4	002
-22				0943		4	003
-23				1036		4	004
-24				1146		4	005
-25				1147		4	006
-26				1213		4	007
-27				1217		4	008
-28						4	009

SHORT HOLDS PRESENT (<72 hours): Y N N/A
 Lab Tracking #: **2539804**
 Samples received via: FEDEX: UPS Client Courier Pace Courier
 Date/Time: **10/15/2020 15:51** Table #: **MTJL LAB USE ONLY**
 Date/Time: **10/15/2020** Acctnum:
 Date/Time: **10/15/2020/1614** Template:
 Date/Time: prelogin:
 Date/Time: PM:
 Date/Time: PB:
 Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s): YES / NO
 Page: **1** of: **2**



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: **GMD**

Address: **1801 Old Hwy 8**

Report To: **Grant Anderson / Sarah Illi**

Copy To:

Customer Project Name/Number: **002012**

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

Site/Facility ID #: **5071272/0071**

Site Collection Info/Address:

Purchase Order #: **K-Jenkin**

Quote #:

Turnaround Date Required: **10/15/2020**

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 CI	# of Ctns	Type of Ice Used: Wet Blue Dry None				Packing Material Used:	Radchem sample(s) screened (<500 cpm): Y N NA	
			Date	Time			Composite Start	Date	Time	Time			Time
W-201015-KS-29	DW	6	10/15/2020	1324		4							
TRIP Blank	DW	6	10/15/2020	1353		4							
						2							

Customer Remarks / Special Conditions / Possible Hazards:

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
- 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: N NA

Therm ID#: **2.48C**

Cooler 1 Temp Upon Receipt: **2.48C**

Cooler 1 Therm Corr. Factor: **0.1**

Cooler 1 Corrected Temp: **2.5**

Comments:

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 Tracking #: **2539805**

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

Samples received via: FEDEX UPS Client Courier Pace Courier

Date/Time: **10/15/2020 15:51**

Table #: **101512020**

Acctnum: **101520**

Template: **101520**

Prelogin: **101520**

PM: **1015/2020**

PB: **1015/2020**

Received by/Company: (Signature) **Grant Anderson**

Date/Time: **10/15/2020 15:30**

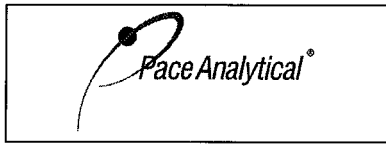
Received by/Company: (Signature) **Sarah Illi**

Date/Time: **10/15/2020 16:14**

Received by/Company: (Signature) **TRP**

Date/Time: **10/15/2020**

Received by/Company: (Signature)



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

Document No.:
ENV-FRM-MIN4-0150 Rev.01

Document Revised: 12Aug2020
Page 1 of 1
 Pace Analytical Services -
Minneapolis

Sample Condition Upon Receipt

Client Name:
GHD

Project #:

WO# : 10535701
 PM: TS1 Due Date: 10/29/20
 CLIENT: GHD

Courier: Fed Ex UPS USPS Client
 Pace SpeeDee Commercial

See Exceptions
 ENV-FRM-MIN4-0142

Tracking Number: _____

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)
 T4(0254) T5(0489) Type of Ice: Wet Blue None Dry Melted

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

Temp should be above freezing to 6°C Cooler Temp Read w/temp blank: 2.4 °C Average Corrected Temp (no temp blank only): _____ °C See Exceptions ENV-FRM-MIN4-0142 1 Container
 Correction Factor: 1.01 Cooler Temp Corrected w/temp blank: 2.5 °C

USDA Regulated Soil: N/A, water sample/Other: _____ Date/Initials of Person Examining Contents: 10/25/20 TN
 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 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

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

		COMMENTS:
Chain of Custody Present and Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrome <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other _____
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Field Filtered Volume Received for Dissolved Tests?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is sufficient information available to reconcile the samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11. If no, write ID/ Date/Time on Container Below: <input type="checkbox"/> See Exception ENV-FRM-MIN4-0142
Matrix: <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other _____		
All containers needing acid/base preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12. Sample # <input type="checkbox"/> NaOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> Zinc Acetate
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO ₃ , H ₂ SO ₄ , <2pH, NaOH >9 Sulfide, NaOH >10 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions (VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin/PFAS)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Positive for Res. Chlorine? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> See Exception ENV-FRM-MIN4-0142 pH Paper Lot# _____ Res. Chlorine: 0-6 Roll _____ 0-6 Strip _____ 0-14 Strip _____
Extra labels present on soil VOA or WIDRO containers?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> See Exception ENV-FRM-MIN4-0140
Headspace in VOA Vials (greater than 6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. Pace Trip Blank Lot # (if purchased): <u>2 TB</u> <u>274154</u>
Trip Blank Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____
 Comments/Resolution: _____

Field Data Required? Yes No

Date/Time: _____

Project Manager Review: Jana Shari

Date: 10/20/20

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).

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Attachment B
Data Quality Assessment
and Validation Memorandum



Memorandum

November 11, 2020

To: Sarah Illi, GHD Ref. No.: 002012-01-040

From:  Grant Anderson/md/33 Tel: 612-524-6836

**Subject: Analytical Results and Reduced Validation
Highway 96 Site
Residential Well Sampling Event
North Oaks, Minnesota
October 2020**

1. Introduction

The following document details a reduced validation of analytical results for residential well samples collected in support of the residential well sampling event at the Highway 96 Site in October 2020. 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 Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) EPA-540-R-2017-002, January 2017
- ii) "National Functional Guidelines for Inorganic Superfund Methods Data Review", USEPA EPA-540-R-2017-001, January 2017

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

2. Sample Holding Time and Preservation

The sample holding time criteria for the analyses are summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were 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" and were within laboratory control limits, indicating individual sample performance was adequate.

5. Laboratory Control Sample Analyses

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

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

Organic Analyses

The LCS contained all compounds of interest. LCS were assessed per the "Guidelines". With the exception of bromomethane, all LCS recoveries were within the laboratory control limits. Bromomethane yielded a high LCS recovery in batch 707104. However, associated sample results were non-detect; therefore, no qualification of data was necessary based on outlying LCS results.

Inorganic Analyses

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



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

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

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

Organic Analyses

The MS/MSD samples were spiked with all compounds of interest. The percent recoveries and RPD values were evaluated using the "Guidelines". With the exception of acetone in sample W-201014-KJ-01, all percent recoveries and RPD values were within the laboratory control limits or yielded recoveries above the control limits that did not result in qualification of data. Table 4 lists the outlying acetone MS/MSD results. The associated sample result is qualified as noted in the table.

Inorganic Analyses

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

7. Field QA/QC Samples

The field QA/QC consisted of two trip blank samples (VOCs), three field blank samples (per parameter), and three field duplicate sample sets (per parameter).

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. The trip blanks were non-detect for the compounds of interest.

Field Blank Sample Analysis

To assess ambient conditions at the Site, three field blanks per parameter were submitted for analysis, as identified in Table 1. Chloride was detected in field blank W-201014-KJ-15. However, associated chloride results were sufficiently high enough; therefore, no qualification of data was not necessary based on analytes detected in the field blanks.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, three field duplicate sample sets per parameter were 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 (524.2)

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 qualification noted herein.

Table 1

**Sample Collection and Analysis Summary
Highway 96 Site
Residential Well Sampling Event
North Oaks, Minnesota
October 2020**

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters	Comments
W-201014-KJ-01	SKI-04	water	10/14/2020	09:05	VOC (524.2), chloride	MS/MSD
W-201014-KJ-02	SKI-06	water	10/14/2020	09:41	VOC (524.2), chloride	
W-201014-KJ-03	SKI-06	water	10/14/2020	09:42	VOC (524.2), chloride	Duplicate (KJ-02)
W-201014-KJ-04	SKI-08	water	10/14/2020	10:06	VOC (524.2), chloride	
W-201014-KJ-05	SKI-10	water	10/14/2020	10:20	VOC (524.2), chloride	Field Blank
W-201014-KJ-06	SKI-10	water	10/14/2020	10:35	VOC (524.2), chloride	
W-201014-KJ-07	SKI-12	water	10/14/2020	11:01	VOC (524.2), chloride	
W-201014-KJ-08	SKI-14	water	10/14/2020	11:26	VOC (524.2), chloride	
W-201014-KJ-09	SKI-16	water	10/14/2020	11:57	VOC (524.2), chloride	
W-201014-KJ-10	BUF-03	water	10/14/2020	12:28	VOC (524.2), chloride	
Trip Blank	Lab	water	10/14/2020	00:00	VOC (524.2)	Trip Blank
W-201014-KJ-11	BUF-01	water	10/14/2020	12:58	VOC (524.2), chloride	
W-201014-KJ-12	EAG-01	water	10/14/2020	13:30	VOC (524.2), chloride	
W-201014-KJ-13	EAG-06	water	10/14/2020	14:05	VOC (524.2), chloride	
W-201014-KJ-14	EAG-06	water	10/14/2020	14:06	VOC (524.2), chloride	Duplicate (KJ-13)
W-201014-KJ-15	EAG-04	water	10/14/2020	14:20	VOC (524.2), chloride	Field Blank
W-201014-KJ-16	EAG-04	water	10/14/2020	14:32	VOC (524.2), chloride	
W-201014-KJ-17	EAG-02	water	10/14/2020	15:00	VOC (524.2), chloride	
W-201015-KJ-20	POP-08	water	10/15/2020	12:47	VOC (524.2), chloride	MS/MSD
W-201015-KJ-21	EAS-44	water	10/15/2020	08:43	VOC (524.2), chloride	
W-201015-KJ-22	WES-15	water	10/15/2020	09:12	VOC (524.2), chloride	
W-201015-KJ-23	WES-10	water	10/15/2020	09:43	VOC (524.2), chloride	
W-201015-KJ-24	THO-01	water	10/15/2020	10:36	VOC (524.2), chloride	
W-201015-KJ-25	WES-09	water	10/15/2020	11:46	VOC (524.2), chloride	
W-201015-KJ-26	WES-09	water	10/15/2020	11:47	VOC (524.2), chloride	Duplicate (KJ-25)
W-201015-KJ-27	WES-08	water	10/15/2020	12:13	VOC (524.2), chloride	Field Blank
W-201015-KJ-28	WES-08	water	10/15/2020	12:17	VOC (524.2), chloride	
W-201015-KJ-29	EAS-50	water	10/15/2020	13:24	VOC (524.2), chloride	
W-201015-KJ-30	THO-04	water	10/15/2020	13:53	VOC (524.2), chloride	
Trip Blank	Lab	water	10/15/2020	00:00	VOC (524.2)	Trip Blank

Note

VOC - Volatile Organic Compounds

MS/MSD - Matrix Spike/Matrix Spike Duplicate

Table 2

Validated Analytical Results Summary
 Highway 96 Site
 Residential Well Sampling Event
 North Oaks, Minnesota
 October 2020

Location ID:	BUF-01	EAG-01	THO-01	EAG-02	BUF-03	EAG-04	SKI-04	THO-04	EAG-06	EAG-06	SKI-06	SKI-06	POP-08
Sample Name:	W-201014-KJ-11	W-201014-KJ-12	W-201015-KJ-24	W-201014-KJ-17	W-201014-KJ-10	W-201014-KJ-16	W-201014-KJ-01	W-201015-KJ-30	W-201014-KJ-13	W-201014-KJ-14	W-201014-KJ-02	W-201014-KJ-03	W-201015-KJ-20
Sample Date:	10/14/2020	10/14/2020	10/15/2020	10/14/2020	10/14/2020	10/14/2020	10/14/2020	10/15/2020	10/14/2020	10/14/2020 Duplicate	10/14/2020	10/14/2020 Duplicate	10/15/2020
Parameters	Unit												
Volatile Organic Compounds													
1,1,1,2-Tetrachloroethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	µg/L	0.22 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	µg/L	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U	0.50 U	1.0 U
1,1-Dichloropropene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
1,2,4-Trichlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trimethylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U
1,2-Dichloropropane	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
1,3,5-Trimethylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichloropropane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorotoluene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Chlorotoluene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 UJ	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Allyl chloride	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Benzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Bromomethane (Methyl bromide)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobromomethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
cis-1,2-Dichloroethene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cymene (p-Isopropyltoluene)	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorofluoromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethyl ether	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Ethylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	1.0 U	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U
m&p-Xylenes	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
N-Butylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Propylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Naphthalene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Table 2

Validated Analytical Results Summary
Highway 96 Site
Residential Well Sampling Event
North Oaks, Minnesota
October 2020

Location ID:	BUF-01	EAG-01	THO-01	EAG-02	BUF-03	EAG-04	SKI-04	THO-04	EAG-06	EAG-06	SKI-06	SKI-06	POP-08
Sample Name:	W-201014-KJ-11	W-201014-KJ-12	W-201015-KJ-24	W-201014-KJ-17	W-201014-KJ-10	W-201014-KJ-16	W-201014-KJ-01	W-201015-KJ-30	W-201014-KJ-13	W-201014-KJ-14	W-201014-KJ-02	W-201014-KJ-03	W-201015-KJ-20
Sample Date:	10/14/2020	10/14/2020	10/15/2020	10/14/2020	10/14/2020	10/14/2020	10/14/2020	10/15/2020	10/14/2020	10/14/2020 Duplicate	10/14/2020	10/14/2020 Duplicate	10/15/2020
Parameters	Unit												
o-Xylene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrahydrofuran	µg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trichloroethene	µg/L	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Trichlorofluoromethane (CFC-11)	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trifluorotrchloroethane (CFC-113)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Xylenes (total)	µg/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
General Chemistry													
Chloride	mg/L	30.7	24.6	27.7	30.9	29.6	27.2	37.5	118	41.8	41.9	28.1	28.1
													36.4

Table 2

Validated Analytical Results Summary
Highway 96 Site
Residential Well Sampling Event
North Oaks, Minnesota
October 2020

Location ID:	SKI-08	WES-08	WES-09	WES-09	SKI-10	WES-10	SKI-12	SKI-14	WES-15	SKI-16	EAS-44	EAS-50
Sample Name:	W-201014-KJ-04	W-201015-KJ-28	W-201015-KJ-25	W-201015-KJ-26	W-201014-KJ-06	W-201015-KJ-23	W-201014-KJ-07	W-201014-KJ-08	W-201015-KJ-22	W-201014-KJ-09	W-201015-KJ-21	W-201015-KJ-29
Sample Date:	10/14/2020	10/15/2020	10/15/2020	10/15/2020	10/14/2020	10/15/2020	10/14/2020	10/14/2020	10/15/2020	10/14/2020	10/15/2020	10/15/2020
	Duplicate											
Parameters	Unit											
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	µg/L	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	1.0 U	0.50 U	0.50 U	1.0 U	0.50 U	1.0 U
1,1-Dichloropropene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
1,2,4-Trichlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trimethylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane (DBCP)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
1,2-Dibromoethane (Ethylene dibromide)	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	µg/L	1.0 U	0.50 U	0.50 U	0.50 U	1.0 U	0.50 U	1.0 U	0.50 U	1.0 U	0.50 U	0.50 U
1,2-Dichloropropane	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
1,3,5-Trimethylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichloropropane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorotoluene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
2-Phenylbutane (sec-Butylbenzene)	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Chlorotoluene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	µg/L	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
Allyl chloride	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Benzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Bromomethane (Methyl bromide)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobromomethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
cis-1,2-Dichloroethene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Cymene (p-Isopropyltoluene)	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorofluoromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethyl ether	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
Ethylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyl benzene	µg/L	1.0 U	0.50 U	0.50 U	0.50 U	1.0 U	0.50 U	1.0 U	0.50 U	1.0 U	0.50 U	0.50 U
m&p-Xylenes	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl tert butyl ether (MTBE)	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride	µg/L	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
N-Butylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
N-Propylbenzene	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Naphthalene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Table 2

Validated Analytical Results Summary
Highway 96 Site
Residential Well Sampling Event
North Oaks, Minnesota
October 2020

Location ID:	SKI-08	WES-08	WES-09	WES-09	SKI-10	WES-10	SKI-12	SKI-14	WES-15	SKI-16	EAS-44	EAS-50
Sample Name:	W-201014-KJ-04	W-201015-KJ-28	W-201015-KJ-25	W-201015-KJ-26	W-201014-KJ-06	W-201015-KJ-23	W-201014-KJ-07	W-201014-KJ-08	W-201015-KJ-22	W-201014-KJ-09	W-201015-KJ-21	W-201015-KJ-29
Sample Date:	10/14/2020	10/15/2020	10/15/2020	10/15/2020 Duplicate	10/14/2020	10/15/2020	10/14/2020	10/14/2020	10/15/2020	10/14/2020	10/15/2020	10/15/2020
Parameters	Unit											
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butylbenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrahydrofuran	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Toluene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trichloroethene	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Trichlorofluoromethane (CFC-11)	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trifluorotrichloroethane (CFC-113)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Xylenes (total)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
General Chemistry												
Chloride	28.8	5.2	25.0	25.0	25.0	28.6	26.0	36.8	38.3	27.5	13.6	34.6

Notes:
 U - Not detected at the associated reporting limit
 J - Estimated concentration
 UJ - Not detected; associated reporting limit is estimated

Table 3

**Analytical Methods and Holding Time Criteria
Highway 96 Site
Residential Well Sampling Event
North Oaks, Minnesota
October 2020**

Parameter	Method	Matrix	Holding Time	
			Collection to Extraction (Days)	Collection or Extraction to Analysis (Days)
VOC	EPA 524.2	Water	-	14
Chloride	EPA 300.0	Water	-	28

Notes:

EPA 524.2 - "Methods for the Determination of Organic Compounds in Drinking Water", EPA/600/4-88/039, December 1988 and its supplements.

EPA 300.0 - "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 MS/MSD Results
Highway 96 Site
Residential Well Sampling Event
North Oaks, Minnesota
October 2020**

Parameter	Sample ID	Analyte	MS	MSD	RPD (percent)	Control Limits		Qualified Result	Units
			% Recovery	% Recovery		% Recovery	RPD		
VOC	W-201014-KJ-01	Acetone	69	65	7	70-130	20	20.0 UJ	ug/L

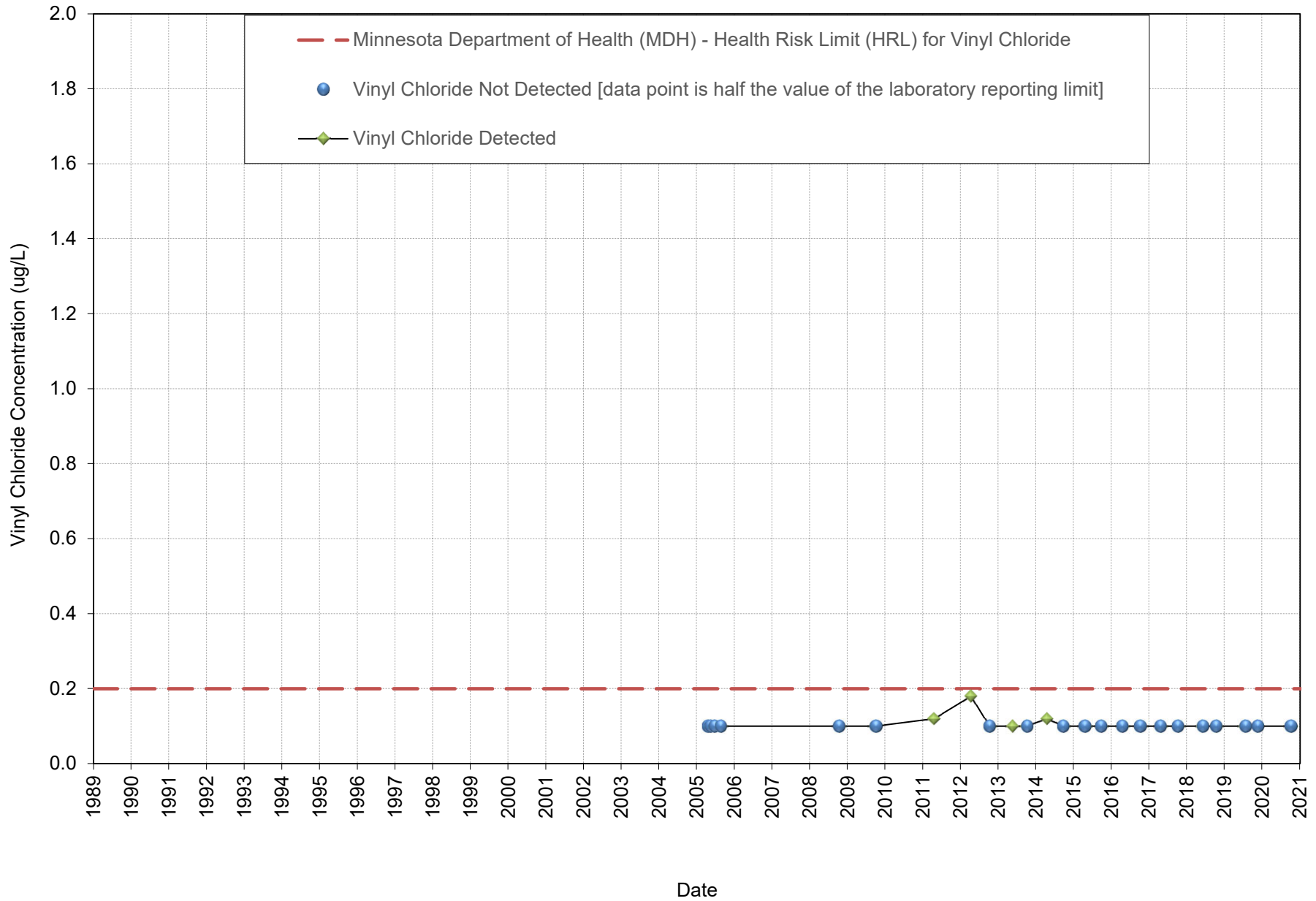
Notes:

- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- RPD - Relative Percent Difference
- UJ - Not detected; associated reporting limit is estimated

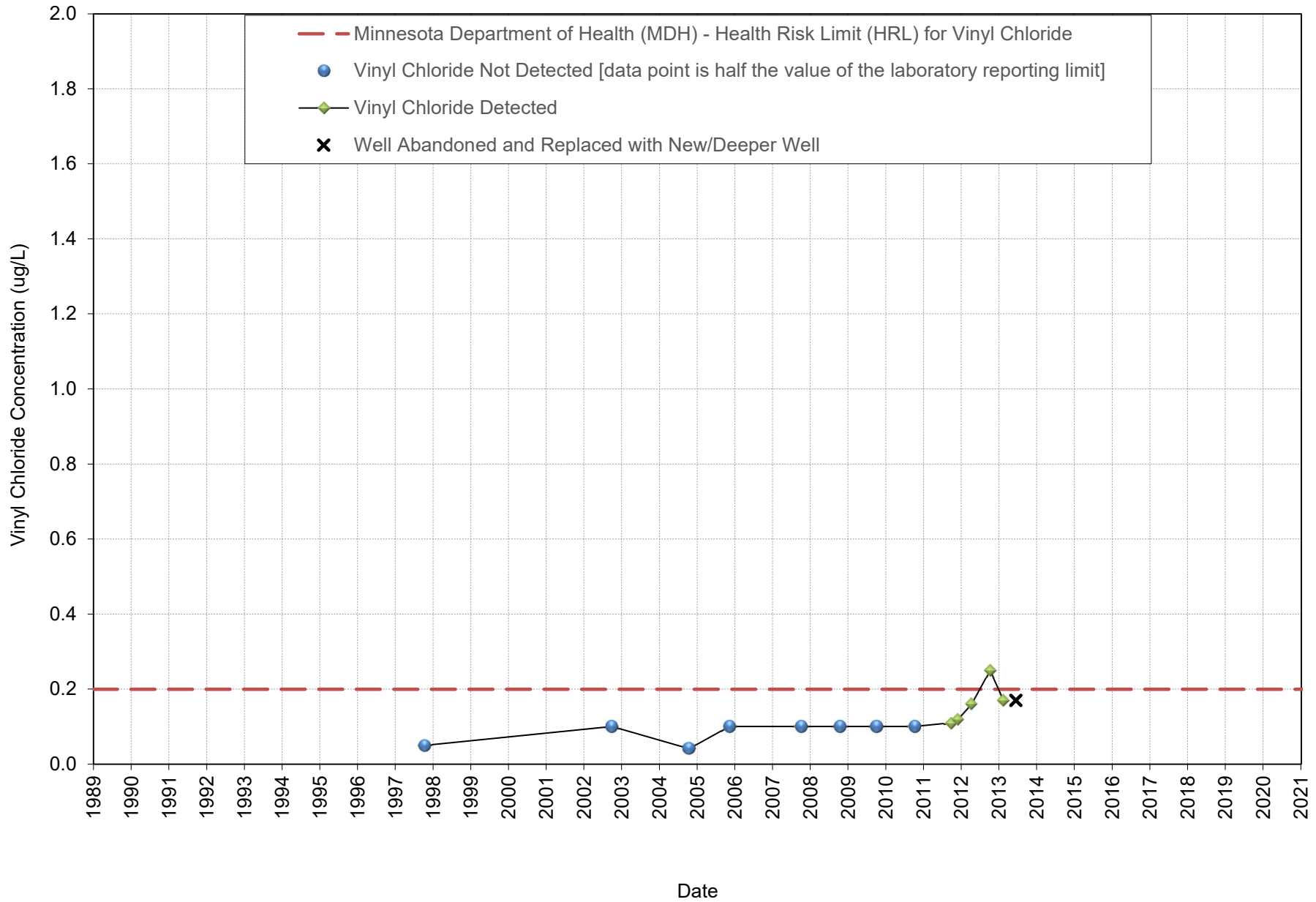
Attachment C

Vinyl Chloride Graphs

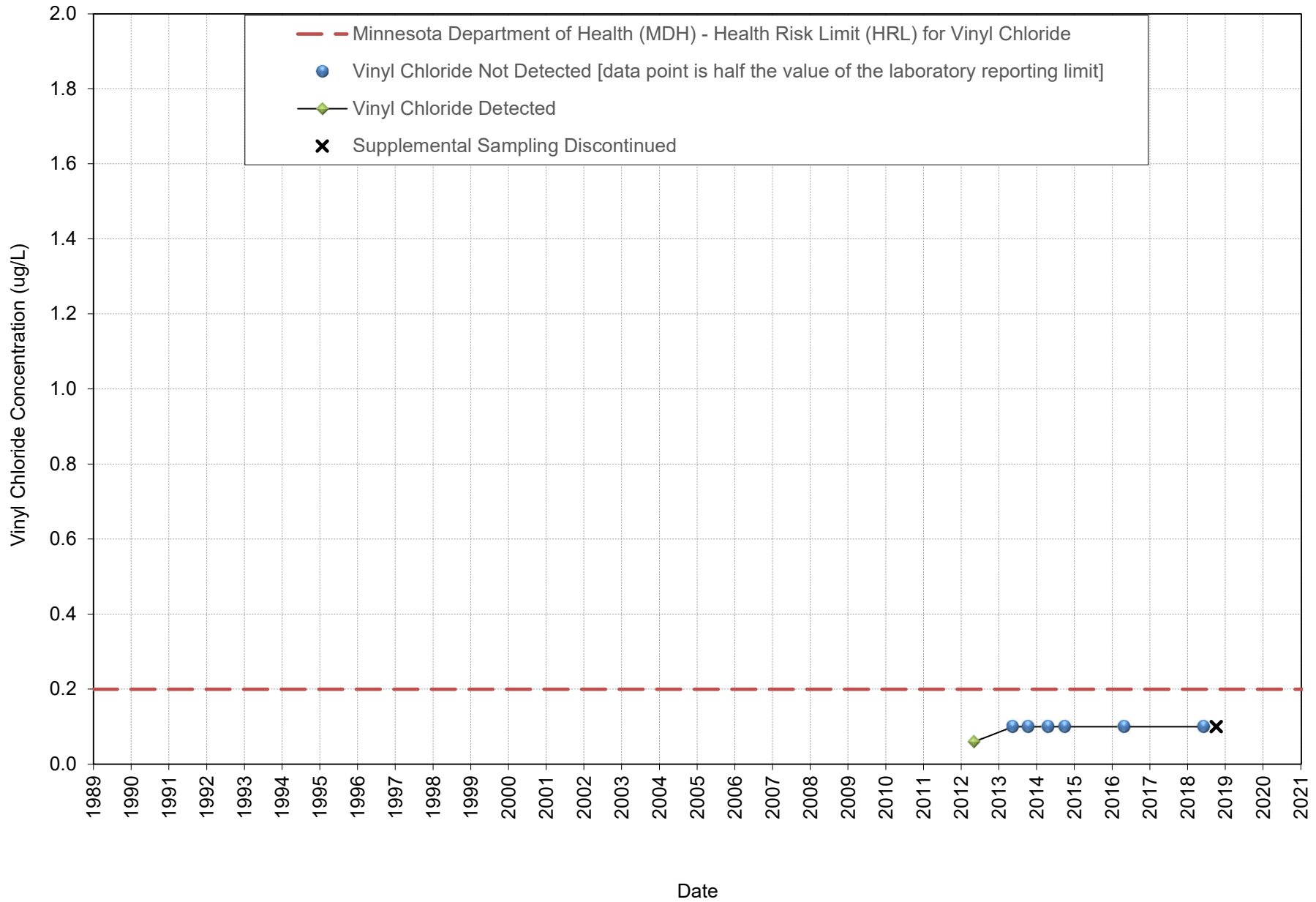
Historical Vinyl Chloride Concentrations 50 East Oaks Road North Oaks, Minnesota



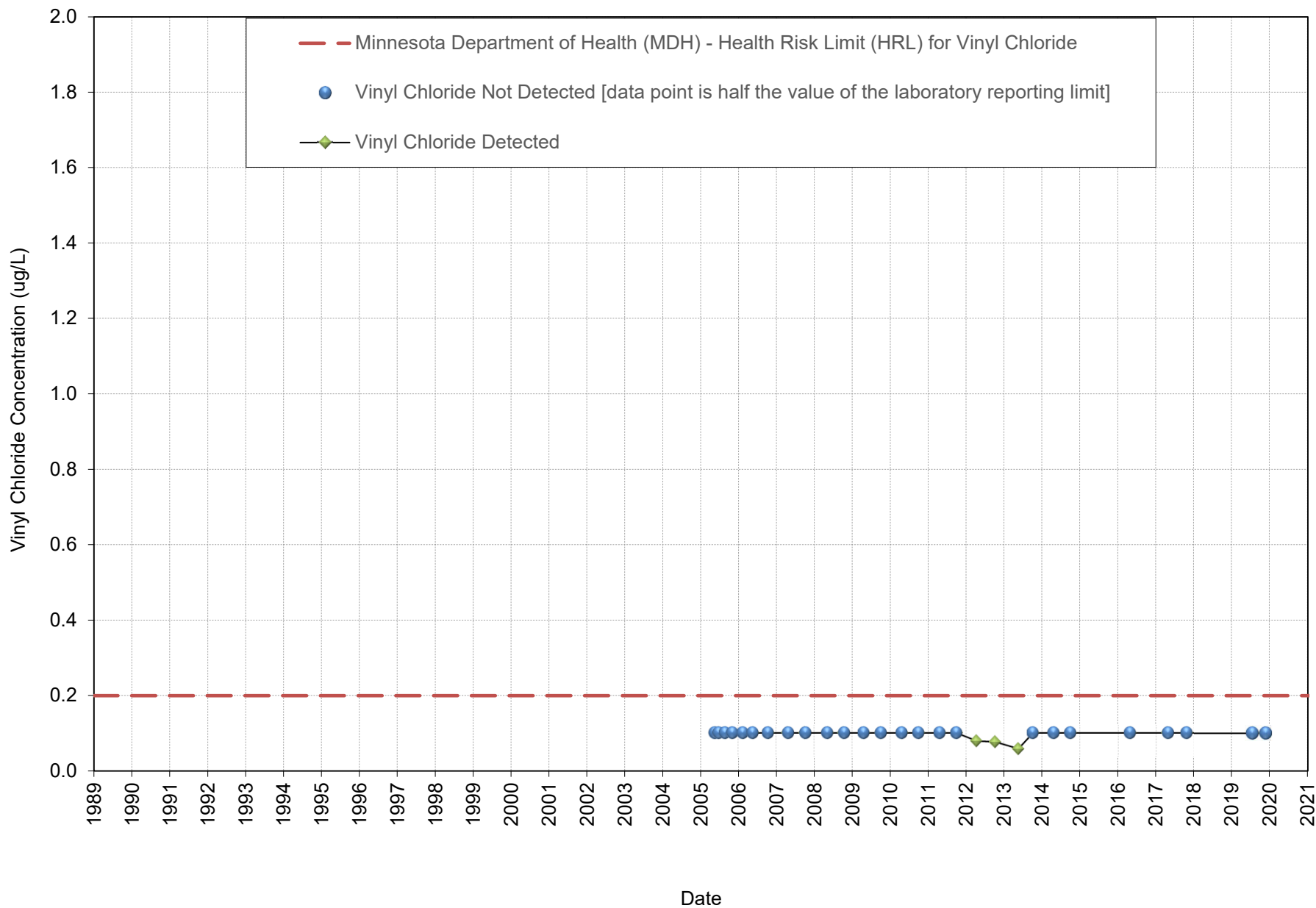
Historical Vinyl Chloride Concentrations 2 Heron Lane (Old Well) North Oaks, Minnesota



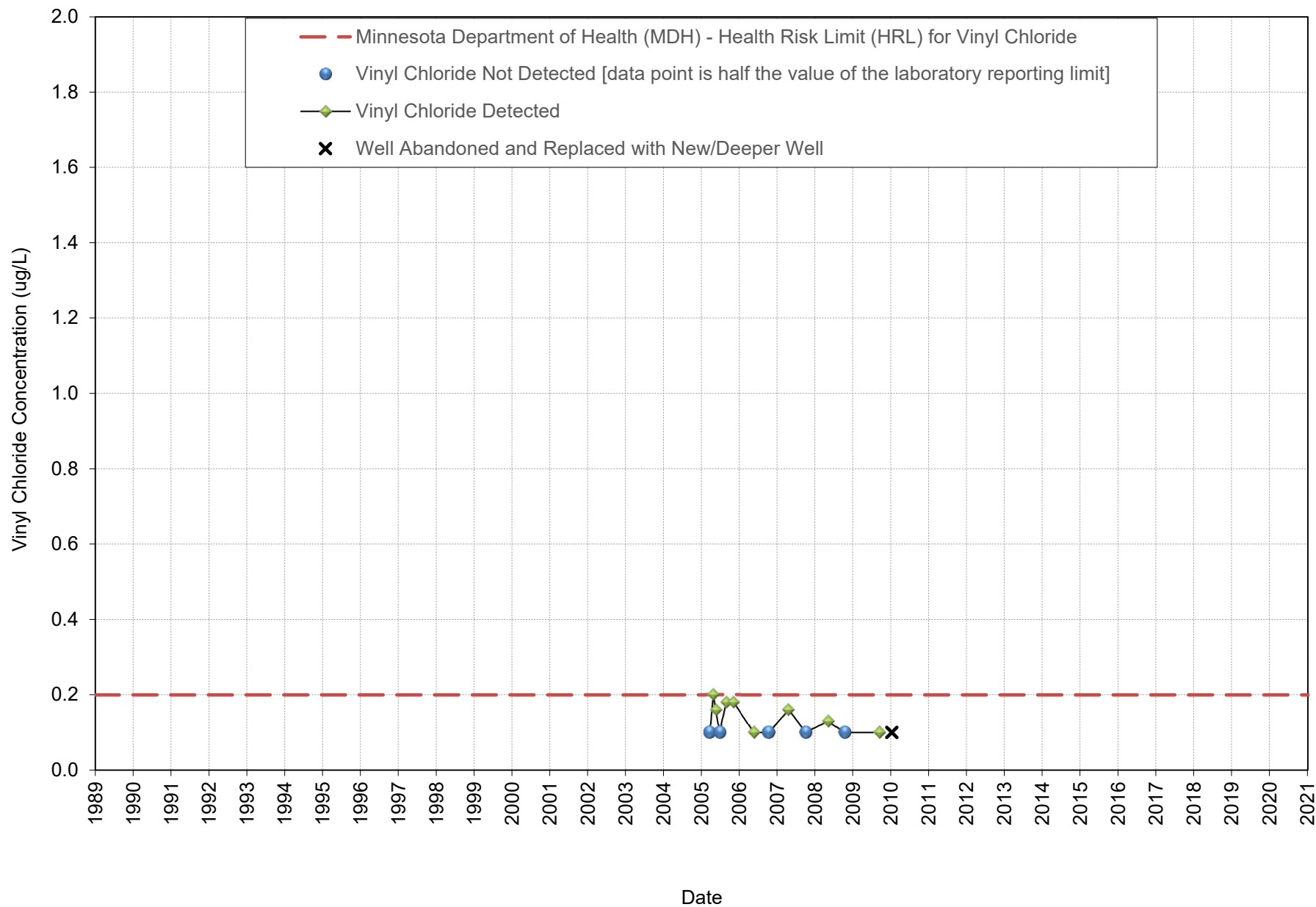
Historical Vinyl Chloride Concentrations 3 Heron Lane North Oaks, Minnesota



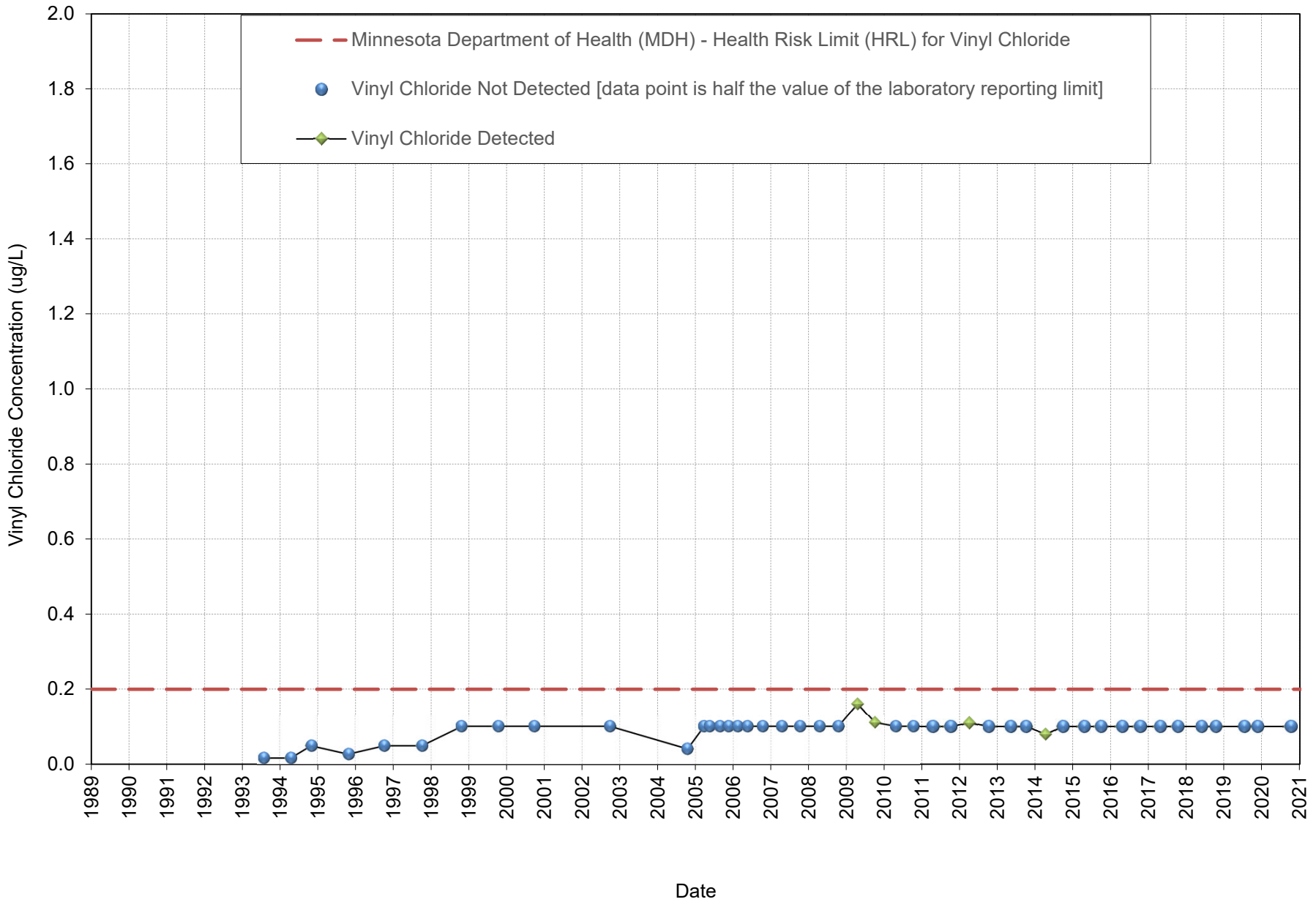
Historical Vinyl Chloride Concentrations 1 Hummingbird Hill North Oaks, Minnesota



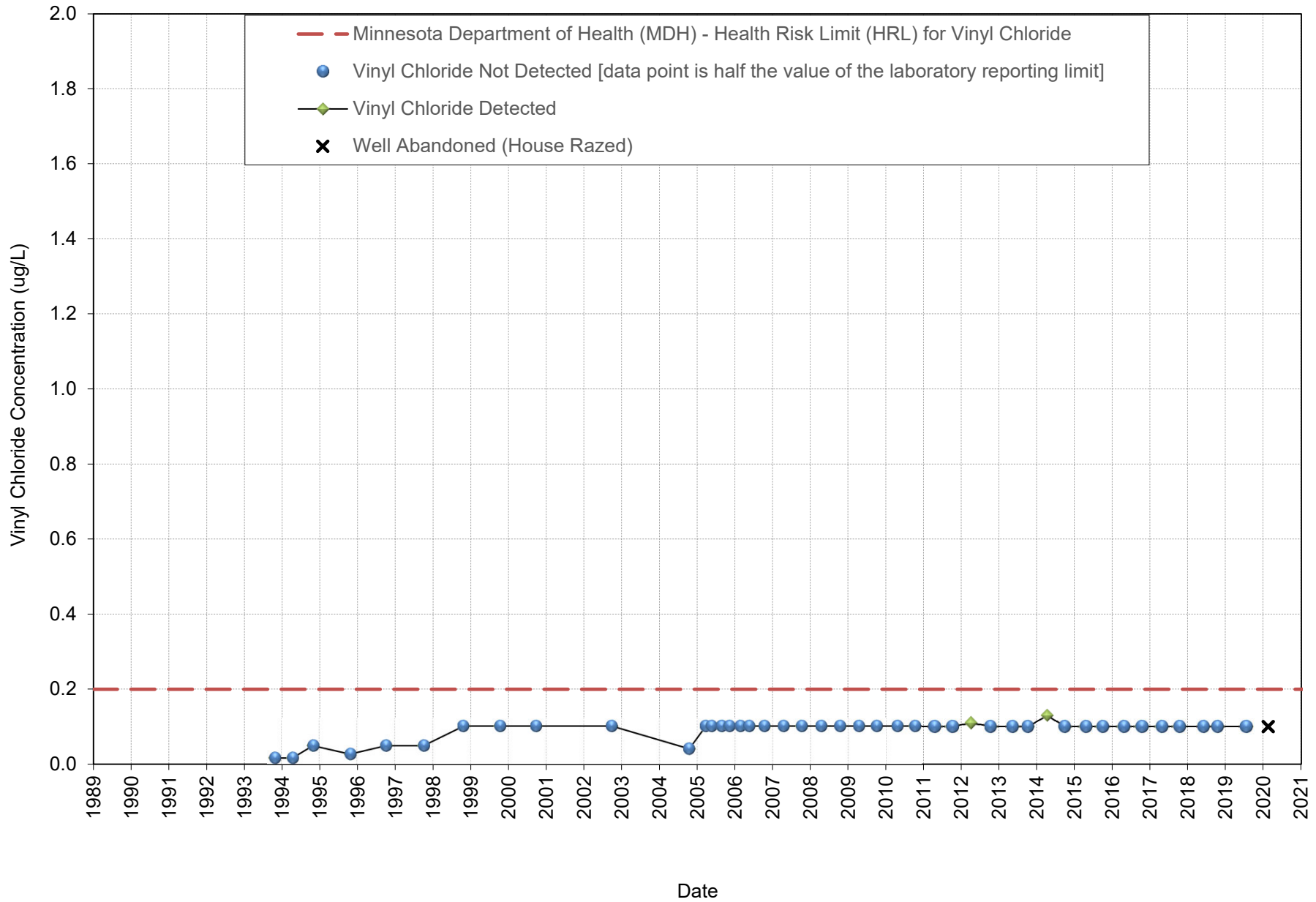
Historical Vinyl Chloride Concentrations 2 Hummingbird Hill (Old Well) North Oaks, Minnesota



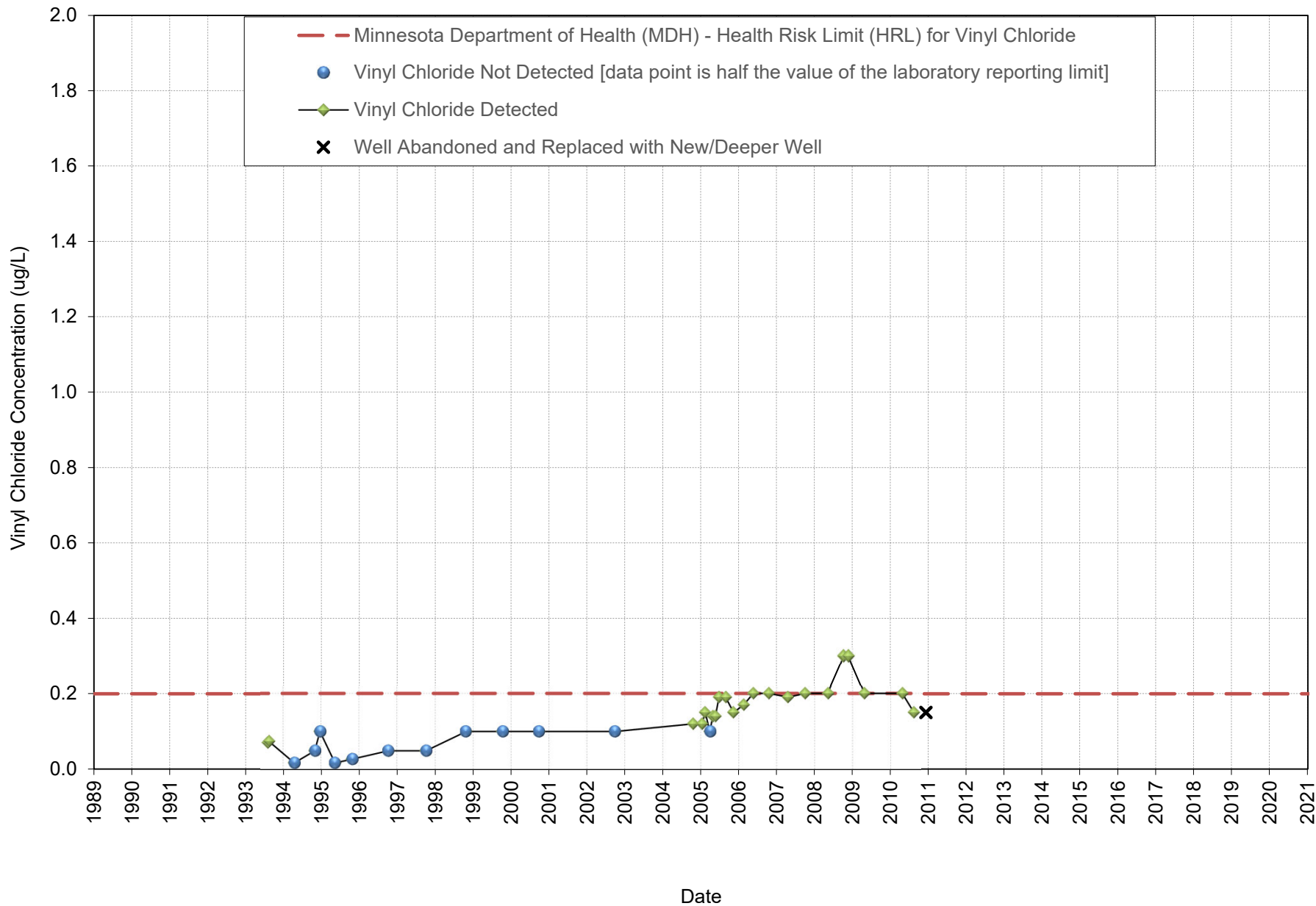
Historical Vinyl Chloride Concentrations 10 West Shore Road North Oaks, Minnesota



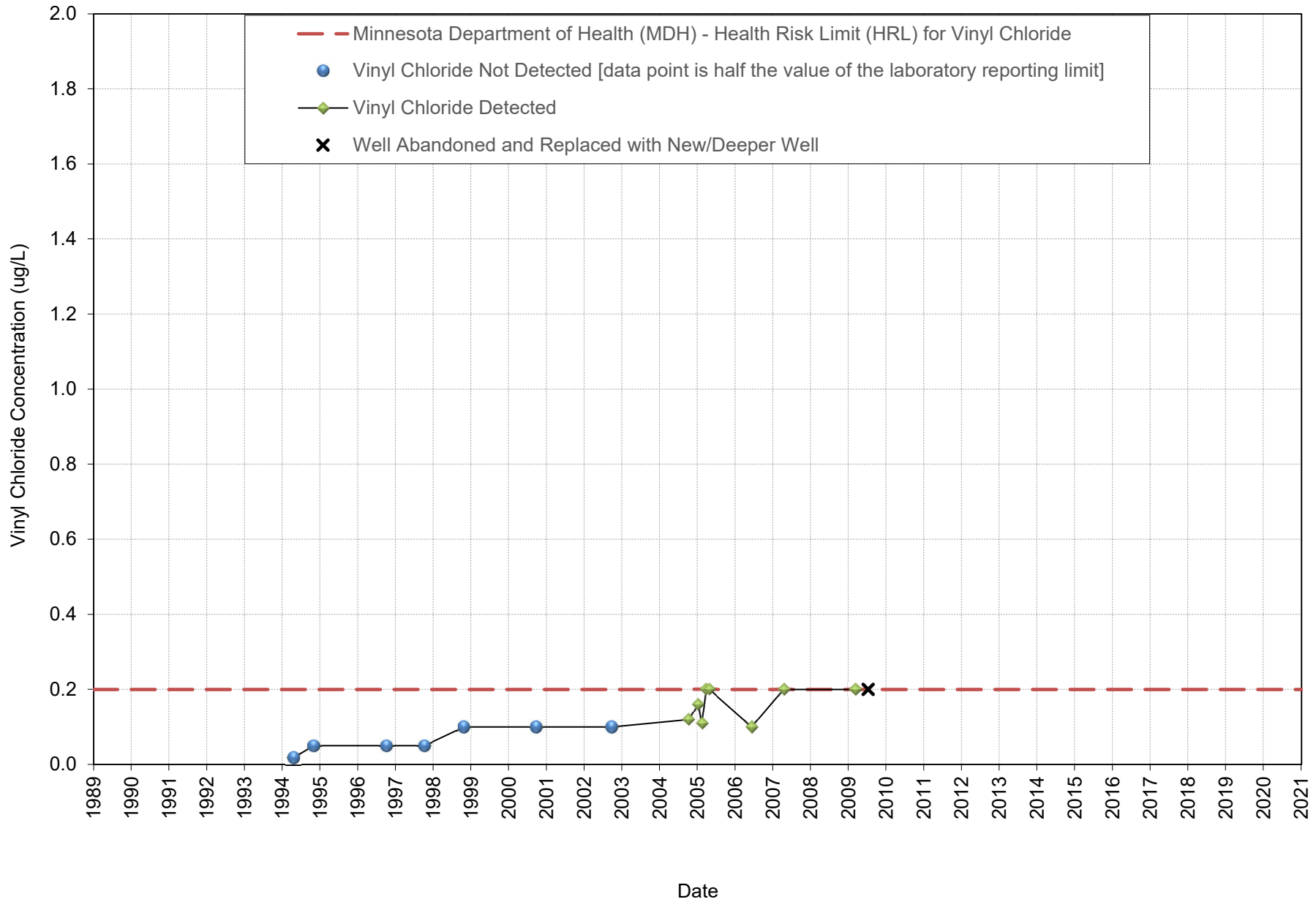
Historical Vinyl Chloride Concentrations 11 West Shore Road North Oaks, Minnesota



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

