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REPORT ON

MW-15S COMPLETION, ISCO INJECTION, AND FIRST QUARTER 2023 GROUNDWATER SAMPLING FORMER CAREFREE CLEANERS CAREFREE, ARIZONA

by
Haley & Aldrich, Inc.
Phoenix, Arizona

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ARIZONA U.S.A.
Expires: 3/31/2024

for
Arizona Department of Environmental Quality
Phoenix, Arizona

File No. 131126-017
February 2023

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File No. 131126-017

Arizona Department of Environmental Quality
1110 West Washington Street
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Attention: Jennifer Widlowski, Project Manager
Waste Programs Division
Voluntary Remediation Program

Subject: Report on MW-15S Completion, ISCO Injection, and First Quarter 2023 Groundwater Sampling
Former Carefree Cleaners
36889 North Tom Darlington Drive, Carefree, Arizona
VRP Site Code: 512894-00

Dear Ms. Widlowski:

On behalf of Carefree Marketplace, LLC (Carefree Marketplace), Haley & Aldrich, Inc. (Haley & Aldrich) is pleased to submit this *Report on MW-15S Completion, ISCO Injection, and First Quarter 2023 Sampling* (Report) to the Arizona Department of Environmental Quality Voluntary Remediation Program (VRP). This Report includes details pertaining to the installation of monitoring well MW-15S, in-situ chemical oxidation (ISCO) amendment injection activities, and the routine first quarter 2023 sampling event performed at the former Carefree Cleaners property (Site; Figures 1 and 2).

Drilling and construction of MW-15S was completed per Comment and Recommendation No. 4 of the VRP's 5 May 2021 comment letter on the *Pilot Scale Remedial Program Technical Memorandum* and in accordance with the 11 August 2022 *Annual Report and Conceptual Site Model Update.* The purpose of MW-15S was to close the data gap along the northeast corner of the Site boundary with a similar scope of work and well construction as nearby MW-13S. ISCO amendment activities were performed in accordance with the *Pilot Scale Remedial Work Plan – Downgradient Property Boundary* (Work Plan), dated 4 October 2022, and VRP's related approval dated 4 November 2022. The purpose of the pilot scale remedial program is to address the dissolved-phase tetrachloroethylene (PCE) and trichloroethene (TCE) within a portion of the downgradient plume near the Carefree Marketplace property boundary.

Monitoring Well MW-15S-Related Activities

WELL MW-15S DRILLING, CONSTRUCTION, AND DEVELOPMENT

Details of the drilling, construction, and development of MW-15S are provided below. A well as-built and lithology log are provided in Appendix A. The well construction details are provided in Table I.

- On 29 September 2022, Haley & Aldrich and its subcontractor, Resilient Drilling, LLC (Resilient Drilling), mobilized to the Site; drilling was completed on 4 October 2022.
- Well MW-15S was drilled to a total depth of 61 feet below ground surface (bgs) using a nominal 6-inch diameter air-rotary hammer drill. The well location is shown on Figure 3.
- The drill cuttings consisted of weathered granite in the upper 5 feet and then competent granite to total depth, consistent with observations at other Site monitoring wells, with penetration rates of 1 to 3 minutes per 5 feet of drilling.
- The cuttings were dry during drilling to 35 feet bgs, with slightly damp to moist cuttings from 35 feet bgs to total depth.
- The borehole was left open to assess the presence of groundwater and allow for groundwater to reach static conditions in the relatively low-yielding granite bedrock. The final static water level was approximately 40 feet bgs, resulting in 20 feet of water column in the borehole.
- On 3 October 2022, Southwest Exploration Services, LLC ran an optical televiewer and caliper log in the borehole from surface to total depth. The optical televiewer results indicated the lithology consisted of competent granite bedrock with few fractures, and the caliper log did not indicate any washouts within the borehole. The geophysical log is provided in Appendix B.
- On 4 October 2022, Resilient Drilling completed MW-15S as a monitoring well with a total depth of 60 feet and 2-inch diameter, Schedule 40 polyvinyl chloride (PVC) casing with 20 feet of 0.020 slot screen from 40 to 60 feet bgs. Well construction details are provided in Table I and Appendix A.
- Well MW-15S was completed with a traffic-rated, 12-inch well vault installed flush with grade.
- Due to the relatively low yield of the well and clean nature of the borehole (i.e., down-hole hammer drilling in granite bedrock), well development consisted of bailing approximately 18 gallons from the well. This represented approximately 5.5 wetted-casing volumes (one wetted casing is the volume of the 20-foot water column in the 2-inch diameter well).
- On 5 October 2022, a HydraSleeve® no-purge sample device was installed at the mid-point of the well screen.

MW-15S INITIAL GROUNDWATER SAMPLING EVENT

- The HydraSleeve sample was retrieved on 7 October 2022 and a groundwater sample was transferred into laboratory-provided containers, labeled, and preserved on ice in a sample cooler for submittal to Orange Coast Analytical, Inc. under chain-of-custody protocols for

analysis of volatile organic compounds (VOC) using U.S. Environmental Protection Agency (USEPA) Test Method 8260B. The laboratory report is provided in Appendix C.

- PCE was detected at MW-15S at a concentration of 3.9 micrograms per liter (µg/L); no other VOCs were detected above their respective laboratory reporting limits.

INVESTIGATION DERIVED WASTE

The installation of monitoring well MW-15S (including the drilling of the borehole and subsequent well development) generated three 55-gallon drums of drill cuttings and development fluids, disposable personal protective equipment (PPE), and trash. Disposables and PPE were deposited in on-site garbage bins as trash.

SINGLE WELL HYDRAULIC CONDUCTIVITY TESTING

Two single-well hydraulic conductivity tests (slug tests) were completed at monitoring well MW-15S. During each slug test:

- An In-Situ Level Troll 700 data logger, which provides continuous monitoring of water level, water pressure, and temperature, was installed near the bottom of the well casing. The data logger was deployed using a vented direct-read cable which allowed for real-time data feedback and automatic atmospheric pressure compensation.
- The initial water level in the well and the initial water column above the data logger was recorded on the field form.
- The water column was displaced using a decontaminated 2-inch diameter slug lowered approximately 3 feet into the water column.
- Water level recovery was recorded using the direct-read data logger connected to a laptop. Once the water level recovered to at least 90 percent of the original water level in the well, the test was considered complete.
- The continuous water level data was downloaded from the data logger. This data was subsequently used to estimate the hydraulic conductivity of the formation in hydraulic communication with the well.

The results of the slug testing are provided in Appendix D. The slug tests were analyzed using the Bouwer-Rice Method, primarily using the middle-time data set for each well. The estimated bulk hydraulic conductivity (Kb) in monitoring well MW-15S ranged from 0.08 to 0.1 feet per day (feet/day). These values are within the anticipated range for fractured granite bedrock (Freeze and Cherry, 1979)[1] and within the range of slug test K values for other Site monitoring wells.

[1] Freeze, R. Allan and Cherry, John A., 1979. Groundwater by Prentice-Hall, Inc.

Focused ISCO Application Activities

INSTALLATION OF INJECTION POINTS AND ISCO IMPLEMENTATION

ISCO activities were undertaken in accordance with the details provided in the Work Plan and VRP approval/conditions in its 4 November 2022 approval letter. As requested by VRP, the injection wells were installed further apart than shown on Figure 3 of the Work Plan. A summary of the activities is provided below.

Three open borehole injection wells (IW-1, IW-2, and IW-3) were installed at the Site between 14 November and 16 November 2022 (Figure 3). The injection wells were strategically placed perpendicular to the dimensions of the PCE plume. A nominal 5-inch diameter steel conductor casing was installed to 10 feet bgs and grouted in place with neat cement, and the open borehole was drilled to a depth of 60 feet bgs using a nominal 5-inch diameter air-rotary hammer drill. Each well was completed with flush-grade traffic rated vaults.

Haley & Aldrich performed ISCO activities at the Site between 19 December and 23 December 2022. The pilot scale injection involved the mixing of the base, sodium hydroxide, and sodium persulfate as an up to 20 percent sodium persulfate solution with a 2 to 1 ratio of base to oxidant and its injection through the injection wells with minimum pressure. The injection occurred by using a single packer to isolate the vertical treatment zone in the injection wells (15 to 60 feet) and allow for the connection of injection hoses and pressure gauges to emplace the ISCO amendment simultaneously in the three injection points. Following completion of ISCO application, approximately 50 gallons of potable water was used to flush the wells and allow for additional distribution of amendment into the subsurface. The oxidant volumes injected into each injection well are shown in the table below.

Injection Point	Volume Proposed (gallon)	Volume Injected (gallon)
IW-1	800	1,100
IW-2	800	900
IW-3	800	400

Groundwater Monitoring Events

BASELINE (PRE-ISCO) MONITORING (DECEMBER 2022)

On 2 December 2022, Haley & Aldrich conducted the baseline (pre-ISCO) monitoring at MW-13S, MW-13D, MW-14S, and MW-15S in accordance with the Work Plan. Sitewide water level data are shown in Table II; the baseline (pre-ISCO) analytical results are provided in Tables III and IV; field parameters are provided in Table V. The laboratory report is included in Appendix C. A discussion of the pre- and post-ISCO results will be included in the Annual Report described below as part of the evaluation of the effectiveness of ISCO injection.

ROUTINE GROUNDWATER MONITORING (JANUARY 2023)

Groundwater samples were collected from Site monitoring wells on 9 January 2023 as part of the routine monitoring program. Samples were analyzed for VOCs using USEPA Test Method 8260B by Pace Analytical. The laboratory report is included in Appendix C.

WATER LEVEL DATA

Haley & Aldrich collected water levels at all monitoring wells across the Site on 2 December 2022 (baseline, pre-ISCO monitoring) and 9 January 2023 (as part of the routine quarterly monitoring program). Figures 4 and 5 show water table elevation contours during these sampling events. Table II provides water table elevation data and Chart 1 provides water level data over time. Since routine monitoring commenced in January 2018, water levels in both shallow and deep monitoring wells have generally fluctuated together. Chart 1 also illustrates the response in water table elevation due to unusually heavy precipitation events. The timing and magnitude of fluctuations observed in the monitoring wells are similar, leading to the magnitude and direction of the overall hydraulic gradient being consistent over time, with an overall northeasterly flow direction.

Figures 4 and 5 indicate the hydraulic gradient is relatively flat near the former Carefree Cleaners suite with a steepening gradient to the north-northeast. The hydraulic gradient measured from MW-11 to MW-7 is approximately 0.25 feet per foot (ft/ft) then flattens by approximately an order of magnitude (0.02 ft/ft) to the northeast from MW-7 to MW-13S. As shown on Figures 4 and 5, MW-13S and MW-13D are downgradient from the former Carefree Cleaners; this is also confirmed by the water quality in these wells. Figures 4 and 5, and Chart 1, also provide information on the vertical head differences in co-located shallow and deep monitoring wells. A comparison of water level elevations in co-located MW-4 and MW-8 indicated an overall downward vertical gradient in this area, while MW-13S and MW-13D water level elevations were nearly identical to one another, indicating little to no vertical gradient near these wells.

WATER QUALITY DATA

Table III provides historical PCE and TCE concentrations in groundwater samples and Chart 2 provides detected PCE concentrations over time. Figure 6 shows the interpreted PCE concentration contours for shallow monitoring wells. Groundwater field parameters are tabulated in Table V.

Haley & Aldrich measured sodium persulfate concentrations (field kit) during the January 2023 site-wide groundwater sampling event. Sodium persulfate was not detected in the monitoring wells slated for ISCO monitoring (MW-13S, MW-13D, MW-14S, MW-14D, and MW-15S) indicating the absence of direct influence of amendment emplacement at these monitoring wells at the time of the sampling event.

PCE concentrations at the source area wells (MW-3, MW-9, and MW-11) have declined over two to three orders of magnitude (to currently non-detect) since the April 2020 ISCO injection event in this area. Concentrations at monitoring wells MW-5 and MW-7, downgradient of the source area, have either declined up to approximately one order of magnitude (MW-5) or remained stable (MW-7) since monitoring began in 2016 (see Mann-Kendall analyses in Appendix E).

Chart 3 is a plot of maximum versus current concentrations for PCE in select Site monitoring wells and shows the overall decline in concentration from the maximum observed in the data set.[2] While PCE concentrations at downgradient monitoring well MW-13S increased since its installation in April 2018, overall concentrations appear to have stabilized. At MW-13D, there has been an overall decreasing trend since this well was installed in October 2018, from a maximum of approximately 30 µg/L to 9.1 µg/L in January 2023 (see Chart 2 and the Mann-Kendall analysis in Appendix E). One possible interpretation of the MW-13S and MW-13D trends is a relatively long stabilization period following the well installations in 2018.[3] This would be consistent with the low groundwater flux in the low Kb fractured granite present at the Site. Both PCE and TCE were non-detect in newly installed monitoring well MW-15S.

During the January 2023 sampling event, TCE was either not detected or was detected at concentrations lower than the Aquifer Water Quality Standard of 5 µg/L, with the highest detected concentration of 4 µg/L at MW-13D. TCE concentrations are shown in Table III and on Figure 6. The detected TCE is an indication that reductive dechlorination of PCE has occurred over time.

Carefree Water Company Well #2 was also sampled during the reporting period (see Figure 2 for well location). This well, completed in the unconsolidated sand and gravel (i.e., basin-fill alluvium) of the Carefree Basin, has also been sampled for chlorinated VOCs as part of the monitoring program since 2019. The well is in operation during collection of the sample at the designated sample port. All analytes have been non-detect over time (Table III).

POST-ISCO MONITORING

As described in the Work Plan, Haley & Aldrich will monitor the effectiveness of ISCO application on reducing concentrations of PCE and TCE in nearby monitoring wells. The ISCO monitoring wells will be monitored for ISCO amendment using field test kits and field parameters to determine if there is influence from the ISCO injection event. Haley & Aldrich will monitor MW-13S, MW-13D, MW-14S, MW-14D, and MW-15S for ISCO effectiveness at 3 months, 6 months, and 9 months from the date of the ISCO application. Groundwater sampling and analysis will be conducted employing the same protocols used during routine groundwater sampling events. Depths to groundwater will be measured from the top of the well casing to the nearest 0.01 foot. The monitoring will include the following parameters: VOCs, sulfate, total and dissolved iron, dissolved gases (carbon dioxide, methane, ethane and ethene), chloride, and sodium. Field water quality parameters (pH, temperature, dissolved oxygen, oxidation-reduction potential, and specific electrical conductance) will be measured using a water quality data instrument (YSI 556 MPS or equivalent). Further details pertaining to monitoring are provided in the Work Plan.

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[2] For example, if a well plots on the 1:1 line in Chart 3, that means the maximum concentration is the current concentration, so there is no overall decline. If a well plots on the 1:10 line, that represents a one order of magnitude decline from the maximum observed in the data set to current conditions.

[3] In other words, in 2018 the PCE concentrations within groundwater in the fractured granite were around 30 µg/L at MW-13S and 10 µg/L at MW-13D, but it took time for these low Kb wells to stabilize to these concentrations following installation.

Closing

Haley & Aldrich will provide a summary of each monitoring event in an email within 45 days of receipt of laboratory data. Haley & Aldrich expects to submit a comprehensive Annual Report detailing all monitoring events (routine quarterly monitoring program and 3-month, 6-month, and 9-month post-ISCO sampling events) by 31 March 2024. The Annual Report will include the following:

- Tabulated data of field and laboratory concentrations of monitored analytes.
- Graphs showing groundwater concentration versus time for PCE and TCE. The graphs will identify the injection start dates.
- An analysis of the effectiveness of ISCO implementation, as well as recommendation(s) on additional remedial action(s), if necessary.

If you have any questions or need additional information, please do not hesitate to contact us.

Sincerely yours,
HALEY & ALDRICH, INC.

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Senior Hydrogeologist

Pejman Eshraghi, P.E.
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Enclosures:

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Table II – Groundwater Elevation Data
Table III – Analytical Results, PCE and TCE in Groundwater
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Figure 3 – Groundwater Monitoring Well and Injection Well Locations
Figure 4 – Shallow Groundwater Elevation Map, December 2022
Figure 5 – Shallow Groundwater Elevation Map, January 2023
Figure 6 – PCE Concentrations in Shallow Groundwater, January 2023

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TABLE I
MONITORING WELL CONSTRUCTION DETAILS
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Installation Date	Diameter (inches)	TOC Elevation (feet NAVD88)	Screened Interval (feet bgs)	Total Well Depth (feet bgs)	Well Screen
MW-1	2/1/2016	2	2355.77	13 - 23	23	Sch. 40, 0.020" Slot
MW-2	2/1/2016	2	2356.32	13 - 23	23	Sch. 40, 0.020" Slot
MW-3	2/1/2016	2	2356.24	13 - 23	23	Sch. 40, 0.020" Slot
MW-4	7/1/2016	2	2355.86	20 - 30	30	Sch. 40, 0.020" Slot
MW-5	7/1/2016	2	2355.44	20 - 30	30	Sch. 40, 0.020" Slot
MW-6	7/1/2016	2	2350.57	20 - 30	30	Sch. 40, 0.020" Slot
MW-7	9/1/2016	2	2358.41	35 - 45	45	Sch. 40, 0.020" Slot
MW-8	7/1/2016	2	2355.9	90 - 100	100	Sch. 40, 0.020" Slot
MW-9	7/1/2016	2	2356.21	90 - 100	100	Sch. 40, 0.020" Slot
MW-10	9/1/2016	2	2352.81	40 - 50	50	Sch. 40, 0.020" Slot
MW-11	6/1/2017	2	2356.12	37 - 67	67	Sch. 40, 0.020" Slot
MW-12	6/1/2017	2	2356.07	120 - 130	130	Sch. 40, 0.020" Slot
MW-13S	4/16/2018	2	2359.67	38.5 - 58.5	58.5	Sch. 40, 0.020" Slot
MW-13D	10/2/2018	2	2359.44	88.7 - 128.8	128.8	Sch. 40, 0.020" Slot
MW-14S	10/1/2018	2	2357.35	34.3 - 54.4	54.4	Sch. 40, 0.020" Slot
MW-15S	10/04/22	2	2358.06	40 - 60	60	Sch. 40, 0.020" Slot
IW-1	11/16/22	5	2359.69	Open borehole	60	NA
IW-2	11/16/22	5	2359.67	Open borehole	60	NA
IW-3	11/15/22	5	2359.41	Open borehole	60	NA

Notes:
bgs = below ground surface
NAVD88 = North American Vertical Datum of 1988
Sch. 40 = Schedule 40 Polyvinyl Chloride Piping
TOC = top of casing

TABLE II
GROUNDWATER ELEVATION DATA
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Date Measured	TOC Elevation (feet NAVD88)	Bottom of Well Elevation (feet NAVD88)	Depth to Water (feet btoc)	Groundwater Elevation (feet NAVD88)	Water Column (feet)
MW-1 (13 - 23)	02/06/16	2355.77	2333.13	11.13	2344.64	11.51
MW-1 (13 - 23)	02/18/16	2355.77	2333.13	10.87	2344.90	11.77
MW-1 (13 - 23)	07/19/16	2355.77	2333.13	19.76	2336.01	2.88
MW-1 (13 - 23)	07/22/16	2355.77	2333.13	19.83	2335.94	2.81
MW-1 (13 - 23)	07/29/16	2355.77	2333.13	20.13	2335.64	2.51
MW-1 (13 - 23)	08/01/16	2355.77	2333.13	20.23	2335.54	2.41
MW-1 (13 - 23)	09/28/16	2355.77	2333.13	21.26	2334.51	1.38
MW-1 (13 - 23)	10/11/17	2355.77	2333.13	19.26	2336.51	3.38
MW-1 (13 - 23)	01/11/18	2355.77	2333.13	21.79	2333.98	0.85
MW-1 (13 - 23)	02/12/18	2355.77	2333.13	21.30	2334.47	1.34
MW-1 (13 - 23)	03/06/18	2355.77	2333.13	20.38	2335.39	2.26
MW-1 (13 - 23)	04/11/18	2355.77	2333.13	19.26	2336.51	3.38
MW-1 (13 - 23)	05/08/18	2355.77	2333.13	19.37	2336.40	3.27
MW-1 (13 - 23)	06/07/18	2355.77	2333.13	20.65	2335.12	1.99
MW-1 (13 - 23)	07/03/18	2355.77	2333.13	21.45	2334.32	1.19
MW-1 (13 - 23)	08/10/18	2355.77	2333.13	21.84	2333.93	0.80
MW-1 (13 - 23)	09/05/18	2355.77	2333.13	21.05	2334.72	1.59
MW-1 (13 - 23)	10/03/18	2355.77	2333.13	21.20	2334.57	1.44
MW-1 (13 - 23)	11/02/18	2355.77	2333.13	15.72	2340.05	6.92
MW-1 (13 - 23)	12/05/18	2355.77	2333.13	16.60	2339.17	6.04
MW-1 (13 - 23)	01/08/19	2355.77	2333.13	16.54	2339.23	6.10
MW-1 (13 - 23)	07/01/19	2355.77	2333.13	14.25	2341.52	8.39
MW-1 (13 - 23)	01/13/20	2355.77	2333.13	11.60	2344.17	11.04
MW-1 (13 - 23)	04/27/20	2355.77	2333.13	10.24	2345.53	12.40
MW-1 (13 - 23)	04/30/20	2355.77	2333.13	9.50	2346.27	13.14
MW-1 (13 - 23)	07/07/20	2355.77	2333.13	14.08	2341.69	8.56
MW-1 (13 - 23)	10/07/20	2355.77	2333.13	16.41	2339.36	6.23
MW-1 (13 - 23)	01/04/21	2355.77	2333.13	18.05	2337.72	4.59
MW-1 (13 - 23)	07/01/21	2355.77	2333.13	15.90	2339.87	6.74
MW-1 (13 - 23)	10/04/21	2355.77	2333.13	10.35	2345.42	12.29
MW-1 (13 - 23)	01/06/22	2355.77	2333.13	10.60	2345.17	12.04
MW-1 (13 - 23)	07/01/22	2355.77	2333.13	15.32	2340.45	7.32
MW-1 (13 - 23)	12/02/22	2355.77	2333.13	12.95	2342.82	9.69
MW-1 (13 - 23)	01/09/23	2355.77	2333.13	9.22	2346.55	13.42
MW-2 (13 - 23)	02/06/16	2356.32	2333.64	11.53	2344.79	11.15
MW-2 (13 - 23)	02/18/16	2356.32	2333.64	11.33	2344.99	11.35
MW-2 (13 - 23)	07/19/16	2356.32	2333.64	20.19	2336.13	2.49
MW-2 (13 - 23)	07/22/16	2356.32	2333.64	20.26	2336.06	2.42
MW-2 (13 - 23)	07/29/16	2356.32	2333.64	20.56	2335.76	2.12
MW-2 (13 - 23)	08/01/16	2356.32	2333.64	20.66	2335.66	2.02
MW-2 (13 - 23)	09/28/16	2356.32	2333.64	21.72	2334.60	0.96
MW-2 (13 - 23)	10/11/17	2356.32	2333.64	19.64	2336.68	3.04
MW-2 (13 - 23)	01/11/18	2356.32	2333.64	22.20	2334.12	0.48
MW-2 (13 - 23)	02/12/18	2356.32	2333.64	21.71	2334.61	0.97
MW-2 (13 - 23)	03/06/18	2356.32	2333.64	20.81	2335.51	1.87
MW-2 (13 - 23)	04/11/18	2356.32	2333.64	19.75	2336.57	2.93
MW-2 (13 - 23)	05/08/18	2356.32	2333.64	20.16	2336.16	2.52
MW-2 (13 - 23)	06/07/18	2356.32	2333.64	21.10	2335.22	1.58

TABLE II
GROUNDWATER ELEVATION DATA
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Date Measured	TOC Elevation (feet NAVD88)	Bottom of Well Elevation (feet NAVD88)	Depth to Water (feet btoc)	Groundwater Elevation (feet NAVD88)	Water Column (feet)
MW-2 (13 - 23)	07/03/18	2356.32	2333.64	21.86	2334.46	0.82
MW-2 (13 - 23)	08/10/18	2356.32	2333.64	22.20	2334.12	0.48
MW-2 (13 - 23)	09/05/18	2356.32	2333.64	21.37	2334.95	1.31
MW-2 (13 - 23)	10/03/18	2356.32	2333.64	21.58	2334.74	1.10
MW-2 (13 - 23)	11/02/18	2356.32	2333.64	16.31	2340.01	6.37
MW-2 (13 - 23)	12/05/18	2356.32	2333.64	17.04	2339.28	5.64
MW-2 (13 - 23)	01/08/19	2356.32	2333.64	17.02	2339.30	5.66
MW-2 (13 - 23)	07/01/19	2356.32	2333.64	14.65	2341.67	8.03
MW-2 (13 - 23)	01/13/20	2356.32	2333.64	12.00	2344.32	10.68
MW-2 (13 - 23)	04/27/20	2356.32	2333.64	10.54	2345.78	12.14
MW-2 (13 - 23)	04/30/20	2356.32	2333.64	9.78	2346.54	12.90
MW-2 (13 - 23)	07/07/20	2356.32	2333.64	14.40	2341.92	8.28
MW-2 (13 - 23)	10/07/20	2356.32	2333.64	16.76	2339.56	5.92
MW-2 (13 - 23)	01/04/21	2356.32	2333.64	18.36	2337.96	4.32
MW-2 (13 - 23)	07/01/21	2356.32	2333.64	16.28	2340.04	6.40
MW-2 (13 - 23)	10/04/21	2356.32	2333.64	10.67	2345.65	12.01
MW-2 (13 - 23)	01/06/22	2356.32	2333.64	11.02	2345.30	11.66
MW-2 (13 - 23)	07/01/22	2356.32	2333.64	15.70	2340.62	6.98
MW-2 (13 - 23)	12/02/22	2356.32	2333.64	13.29	2343.03	9.39
MW-2 (13 - 23)	01/09/23	2356.32	2333.64	9.74	2346.58	12.94
MW-3 (13 - 23)	02/06/16	2356.24	2333.39	11.48	2344.76	11.37
MW-3 (13 - 23)	02/18/16	2356.24	2333.39	11.34	2344.90	11.51
MW-3 (13 - 23)	07/19/16	2356.24	2333.39	20.45	2335.79	2.40
MW-3 (13 - 23)	07/22/16	2356.24	2333.39	20.48	2335.76	2.37
MW-3 (13 - 23)	07/29/16	2356.24	2333.39	20.74	2335.50	2.11
MW-3 (13 - 23)	08/01/16	2356.24	2333.39	20.84	2335.40	2.01
MW-3 (13 - 23)	09/28/16	2356.24	2333.39	21.90	2334.34	0.95
MW-3 (13 - 23)	10/11/17	2356.24	2333.39	19.86	2336.38	2.99
MW-3 (13 - 23)	01/11/18	2356.24	2333.39	22.40	2333.84	0.45
MW-3 (13 - 23)	02/12/18	2356.24	2333.39	21.93	2334.31	0.92
MW-3 (13 - 23)	03/06/18	2356.24	2333.39	21.00	2335.24	1.85
MW-3 (13 - 23)	04/11/18	2356.24	2333.39	20.22	2336.02	2.63
MW-3 (13 - 23)	05/08/18	2356.24	2333.39	20.40	2335.84	2.45
MW-3 (13 - 23)	06/07/18	2356.24	2333.39	21.31	2334.93	1.54
MW-3 (13 - 23)	07/03/18	2356.24	2333.39	22.09	2334.15	0.76
MW-3 (13 - 23)	08/10/18	2356.24	2333.39	22.41	2333.83	0.44
MW-3 (13 - 23)	09/05/18	2356.24	2333.39	21.60	2334.64	1.25
MW-3 (13 - 23)	10/03/18	2356.24	2333.39	21.75	2334.49	1.10
MW-3 (13 - 23)	11/02/18	2356.24	2333.39	16.69	2339.55	6.16
MW-3 (13 - 23)	12/05/18	2356.24	2333.39	17.42	2338.82	5.43
MW-3 (13 - 23)	01/08/19	2356.24	2333.39	17.21	2339.03	5.64
MW-3 (13 - 23)	07/01/19	2356.24	2333.39	14.99	2341.25	7.86
MW-3 (13 - 23)	01/13/20	2356.24	2333.39	12.69	2343.55	10.16
MW-3 (13 - 23)	04/27/20	2356.24	2333.39	11.30	2344.94	11.55
MW-3 (13 - 23)	04/30/20	2356.24	2333.39	4.70	2351.54	18.15
MW-3 (13 - 23)	07/07/20	2356.24	2333.39	15.26	2340.98	7.59
MW-3 (13 - 23)	10/07/20	2356.24	2333.39	17.48	2338.76	5.37
MW-3 (13 - 23)	01/04/21	2356.24	2333.39	18.85	2337.39	4.00

TABLE II
GROUNDWATER ELEVATION DATA
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Date Measured	TOC Elevation (feet NAVD88)	Bottom of Well Elevation (feet NAVD88)	Depth to Water (feet btoc)	Groundwater Elevation (feet NAVD88)	Water Column (feet)
MW-3 (13 - 23)	07/01/21	2356.24	2333.39	17.10	2339.14	5.75
MW-3 (13 - 23)	10/04/21	2356.24	2333.39	12.00	2344.24	10.85
MW-3 (13 - 23)	01/06/22	2356.24	2333.39	12.38	2343.86	10.47
MW-3 (13 - 23)	07/01/22	2356.24	2333.39	16.20	2340.04	6.65
MW-3 (13 - 23)	12/02/22	2356.24	2333.39	14.99	2341.25	7.86
MW-3 (13 - 23)	01/09/23	2356.24	2333.39	10.82	2345.42	12.03
MW-4 (20 - 30)	07/29/16	2355.86	2326.03	20.27	2335.59	9.56
MW-4 (20 - 30)	08/01/16	2355.86	2326.03	20.38	2335.48	9.45
MW-4 (20 - 30)	09/28/16	2355.86	2326.03	21.40	2334.46	8.43
MW-4 (20 - 30)	10/11/17	2355.86	2326.03	19.40	2336.46	10.43
MW-4 (20 - 30)	01/11/18	2355.86	2326.03	21.94	2333.92	7.89
MW-4 (20 - 30)	02/12/18	2355.86	2326.03	21.47	2334.39	8.36
MW-4 (20 - 30)	03/06/18	2355.86	2326.03	20.52	2335.34	9.31
MW-4 (20 - 30)	04/11/18	2355.86	2326.03	19.72	2336.14	10.11
MW-4 (20 - 30)	05/08/18	2355.86	2326.03	19.90	2335.96	9.93
MW-4 (20 - 30)	06/07/18	2355.86	2326.03	20.86	2335.00	8.97
MW-4 (20 - 30)	07/03/18	2355.86	2326.03	21.66	2334.20	8.17
MW-4 (20 - 30)	08/10/18	2355.86	2326.03	21.95	2333.91	7.88
MW-4 (20 - 30)	09/05/18	2355.86	2326.03	21.11	2334.75	8.72
MW-4 (20 - 30)	10/03/18	2355.86	2326.03	21.28	2334.58	8.55
MW-4 (20 - 30)	11/02/18	2355.86	2326.03	16.16	2339.70	13.67
MW-4 (20 - 30)	12/05/18	2355.86	2326.03	16.95	2338.91	12.88
MW-4 (20 - 30)	01/08/19	2355.86	2326.03	16.70	2339.16	13.13
MW-4 (20 - 30)	07/01/19	2355.86	2326.03	14.48	2341.38	15.35
MW-4 (20 - 30)	01/13/20	2355.86	2326.03	12.00	2343.86	17.83
MW-4 (20 - 30)	04/27/20	2355.86	2326.03	10.73	2345.13	19.10
MW-4 (20 - 30)	04/30/20	2355.86	2326.03	9.18	2346.68	20.65
MW-4 (20 - 30)	07/07/20	2355.86	2326.03	14.28	2341.58	15.55
MW-4 (20 - 30)	10/07/20	2355.86	2326.03	16.74	2339.12	13.09
MW-4 (20 - 30)	01/04/21	2355.86	2326.03	18.21	2337.65	11.62
MW-4 (20 - 30)	07/01/21	2355.86	2326.03	16.40	2339.46	13.43
MW-4 (20 - 30)	10/04/21	2355.86	2326.03	11.08	2344.78	18.75
MW-4 (20 - 30)	01/06/22	2355.86	2326.03	11.45	2344.41	18.38
MW-4 (20 - 30)	07/01/22	2355.86	2326.03	15.63	2340.23	14.20
MW-4 (20 - 30)	12/02/22	2355.86	2326.03	13.49	2342.37	16.34
MW-4 (20 - 30)	01/09/23	2355.86	2326.03	10.08	2345.78	19.75
MW-5 (20 - 30)	07/29/16	2355.44	2325.72	19.97	2335.47	9.75
MW-5 (20 - 30)	08/01/16	2355.44	2325.72	20.08	2335.36	9.64
MW-5 (20 - 30)	09/28/16	2355.44	2325.72	21.10	2334.34	8.62
MW-5 (20 - 30)	10/11/17	2355.44	2325.72	19.10	2336.34	10.62
MW-5 (20 - 30)	01/11/18	2355.44	2325.72	21.60	2333.84	8.12
MW-5 (20 - 30)	02/12/18	2355.44	2325.72	21.15	2334.29	8.57
MW-5 (20 - 30)	03/06/18	2355.44	2325.72	20.21	2335.23	9.51
MW-5 (20 - 30)	04/11/18	2355.44	2325.72	19.13	2336.31	10.59
MW-5 (20 - 30)	05/08/18	2355.44	2325.72	19.61	2335.83	10.11
MW-5 (20 - 30)	06/07/18	2355.44	2325.72	20.56	2334.88	9.16
MW-5 (20 - 30)	07/03/18	2355.44	2325.72	21.31	2334.13	8.41
MW-5 (20 - 30)	08/10/18	2355.44	2325.72	21.65	2333.79	8.07

TABLE II
GROUNDWATER ELEVATION DATA
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Date Measured	TOC Elevation (feet NAVD88)	Bottom of Well Elevation (feet NAVD88)	Depth to Water (feet btoc)	Groundwater Elevation (feet NAVD88)	Water Column (feet)
MW-5 (20 - 30)	09/05/18	2355.44	2325.72	20.80	2334.64	8.92
MW-5 (20 - 30)	10/03/18	2355.44	2325.72	20.91	2334.53	8.81
MW-5 (20 - 30)	11/02/18	2355.44	2325.72	15.91	2339.53	13.81
MW-5 (20 - 30)	12/05/18	2355.44	2325.72	16.66	2338.78	13.06
MW-5 (20 - 30)	01/08/19	2355.44	2325.72	16.38	2339.06	13.34
MW-5 (20 - 30)	07/01/19	2355.44	2325.72	14.24	2341.20	15.48
MW-5 (20 - 30)	01/13/20	2355.44	2325.72	11.80	2343.64	17.92
MW-5 (20 - 30)	04/27/20	2355.44	2325.72	10.56	2344.88	19.16
MW-5 (20 - 30)	04/30/20	2355.44	2325.72	8.68	2346.76	21.04
MW-5 (20 - 30)	07/07/20	2355.44	2325.72	14.05	2341.39	15.67
MW-5 (20 - 30)	10/07/20	2355.44	2325.72	16.45	2338.99	13.27
MW-5 (20 - 30)	01/04/21	2355.44	2325.72	17.92	2337.52	11.80
MW-5 (20 - 30)	07/01/21	2355.44	2325.72	16.15	2339.29	13.57
MW-5 (20 - 30)	10/04/21	2355.44	2325.72	10.92	2344.52	18.80
MW-5 (20 - 30)	01/06/22	2355.44	2325.72	11.26	2344.18	18.46
MW-5 (20 - 30)	07/01/22	2355.44	2325.72	15.39	2340.05	14.33
MW-5 (20 - 30)	12/02/22	2355.44	2325.72	13.15	2342.29	16.57
MW-5 (20 - 30)	01/09/23	2355.44	2325.72	10.00	2345.44	19.72
MW-6 (20 - 30)	07/29/16	2350.57	2320.83	15.35	2335.22	14.39
MW-6 (20 - 30)	08/01/16	2350.57	2320.83	15.47	2335.10	14.27
MW-6 (20 - 30)	09/28/16	2350.57	2320.83	16.36	2334.21	13.38
MW-6 (20 - 30)	10/11/17	2350.57	2320.83	14.30	2336.27	15.44
MW-6 (20 - 30)	01/11/18	2350.57	2320.83	15.64	2334.93	14.10
MW-6 (20 - 30)	02/12/18	2350.57	2320.83	14.47	2336.10	15.27
MW-6 (20 - 30)	03/06/18	2350.57	2320.83	12.53	2338.04	17.21
MW-6 (20 - 30)	04/11/18	2350.57	2320.83	11.98	2338.59	17.76
MW-6 (20 - 30)	05/08/18	2350.57	2320.83	13.34	2337.23	16.40
MW-6 (20 - 30)	06/07/18	2350.57	2320.83	14.88	2335.69	14.86
MW-6 (20 - 30)	07/03/18	2350.57	2320.83	16.06	2334.51	13.68
MW-6 (20 - 30)	08/10/18	2350.57	2320.83	16.88	2333.69	12.86
MW-6 (20 - 30)	09/05/18	2350.57	2320.83	15.69	2334.88	14.05
MW-6 (20 - 30)	10/03/18	2350.57	2320.83	16.01	2334.56	13.73
MW-6 (20 - 30)	11/02/18	2350.57	2320.83	10.10	2340.47	19.64
MW-6 (20 - 30)	12/05/18	2350.57	2320.83	11.33	2339.24	18.41
MW-6 (20 - 30)	01/08/19	2350.57	2320.83	10.24	2340.33	19.50
MW-6 (20 - 30)	07/01/19	2350.57	2320.83	9.65	2340.92	20.09
MW-6 (20 - 30)	01/13/20	2350.57	2320.83	6.66	2343.91	23.08
MW-6 (20 - 30)	04/27/20	2350.57	2320.83	6.22	2344.35	23.52
MW-6 (20 - 30)	04/30/20	2350.57	2320.83	6.21	2344.36	23.53
MW-6 (20 - 30)	07/07/20	2350.57	2320.83	9.83	2340.74	19.91
MW-6 (20 - 30)	10/07/20	2350.57	2320.83	12.10	2338.47	17.64
MW-6 (20 - 30)	01/04/21	2350.57	2320.83	13.82	2336.75	15.92
MW-6 (20 - 30)	07/01/21	2350.57	2320.83	10.85	2339.72	18.89
MW-6 (20 - 30)	10/04/21	2350.57	2320.83	5.55	2345.02	24.19
MW-6 (20 - 30)	01/06/22	2350.57	2320.83	5.58	2344.99	24.16
MW-6 (20 - 30)	07/01/22	2350.57	2320.83	10.54	2340.03	19.20
MW-6 (20 - 30)	12/02/22	2350.57	2320.83	8.00	2342.57	21.74
MW-6 (20 - 30)	01/09/23	2350.57	2320.83	8.22	2342.35	21.52

TABLE II
GROUNDWATER ELEVATION DATA
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Date Measured	TOC Elevation (feet NAVD88)	Bottom of Well Elevation (feet NAVD88)	Depth to Water (feet btoc)	Groundwater Elevation (feet NAVD88)	Water Column (feet)
MW-7 (35 - 45)	09/28/16	2358.41	2313.76	38.37	2320.04	6.28
MW-7 (35 - 45)	10/11/17	2358.41	2313.76	35.95	2322.46	8.70
MW-7 (35 - 45)	01/11/18	2358.41	2313.76	38.15	2320.26	6.50
MW-7 (35 - 45)	02/12/18	2358.41	2313.76	38.63	2319.78	6.02
MW-7 (35 - 45)	03/06/18	2358.41	2313.76	38.93	2319.48	5.72
MW-7 (35 - 45)	04/11/18	2358.41	2313.76	39.10	2319.31	5.55
MW-7 (35 - 45)	05/08/18	2358.41	2313.76	39.35	2319.06	5.30
MW-7 (35 - 45)	06/07/18	2358.41	2313.76	39.55	2318.86	5.10
MW-7 (35 - 45)	07/03/18	2358.41	2313.76	39.40	2319.01	5.25
MW-7 (35 - 45)	08/10/18	2358.41	2313.76	39.79	2318.62	4.86
MW-7 (35 - 45)	09/05/18	2358.41	2313.76	36.59	2321.82	8.06
MW-7 (35 - 45)	10/03/18	2358.41	2313.76	39.27	2319.14	5.38
MW-7 (35 - 45)	11/02/18	2358.41	2313.76	37.54	2320.87	7.11
MW-7 (35 - 45)	12/05/18	2358.41	2313.76	37.00	2321.41	7.65
MW-7 (35 - 45)	01/08/19	2358.41	2313.76	37.08	2321.33	7.57
MW-7 (35 - 45)	07/01/19	2358.41	2313.76	31.54	2326.87	13.11
MW-7 (35 - 45)	01/13/20	2358.41	2313.76	32.18	2326.23	12.47
MW-7 (35 - 45)	04/27/20	2358.41	2313.76	27.50	2330.91	17.15
MW-7 (35 - 45)	04/30/20	2358.41	2313.76	27.50	2330.91	17.15
MW-7 (35 - 45)	07/07/20	2358.41	2313.76	29.40	2329.01	15.25
MW-7 (35 - 45)	10/07/20	2358.41	2313.76	31.90	2326.51	12.75
MW-7 (35 - 45)	01/05/21	2358.41	2313.76	33.89	2324.52	10.76
MW-7 (35 - 45)	07/01/21	2358.41	2313.76	34.85	2323.56	9.80
MW-7 (35 - 45)	10/04/21	2358.41	2313.76	31.37	2327.04	13.28
MW-7 (35 - 45)	01/06/22	2358.41	2313.76	30.82	2327.59	13.83
MW-7 (35 - 45)	07/01/22	2358.41	2313.76	31.73	2326.68	12.92
MW-7 (35 - 45)	12/02/22	2358.41	2313.76	31.16	2327.25	13.49
MW-7 (35 - 45)	01/09/23	2358.41	2313.76	29.68	2328.73	14.97
MW-8 (90 - 100)	07/29/16	2355.90	2256.17	97.31	2258.59	2.42
MW-8 (90 - 100)	08/01/16	2355.90	2256.17	96.37	2259.53	3.36
MW-8 (90 - 100)	09/28/16	2355.90	2256.17	57.27	2298.63	42.46
MW-8 (90 - 100)	10/11/17	2355.90	2256.17	15.50	2340.40	84.23
MW-8 (90 - 100)	01/11/18	2355.90	2256.17	16.40	2339.50	83.33
MW-8 (90 - 100)	02/12/18	2355.90	2256.17	17.35	2338.55	82.38
MW-8 (90 - 100)	03/06/18	2355.90	2256.17	17.48	2338.42	82.25
MW-8 (90 - 100)	04/11/18	2355.90	2256.17	18.99	2336.91	80.74
MW-8 (90 - 100)	05/08/18	2355.90	2256.17	19.04	2336.86	80.69
MW-8 (90 - 100)	06/07/18	2355.90	2256.17	19.12	2336.78	80.61
MW-8 (90 - 100)	07/03/18	2355.90	2256.17	18.90	2337.00	80.83
MW-8 (90 - 100)	08/10/18	2355.90	2256.17	20.44	2335.46	79.29
MW-8 (90 - 100)	09/05/18	2355.90	2256.17	20.51	2335.39	79.22
MW-8 (90 - 100)	10/03/18	2355.90	2256.17	20.31	2335.59	79.42
MW-8 (90 - 100)	11/02/18	2355.90	2256.17	21.58	2334.32	78.15
MW-8 (90 - 100)	12/05/18	2355.90	2256.17	21.34	2334.56	78.39
MW-8 (90 - 100)	01/08/19	2355.90	2256.17	21.12	2334.78	78.61
MW-8 (90 - 100)	07/01/19	2355.90	2256.17	19.48	2336.42	80.25
MW-8 (90 - 100)	01/13/20	2355.90	2256.17	18.50	2337.40	81.23
MW-8 (90 - 100)	04/27/20	2355.90	2256.17	11.92	2343.98	87.81

TABLE II
GROUNDWATER ELEVATION DATA
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Date Measured	TOC Elevation (feet NAVD88)	Bottom of Well Elevation (feet NAVD88)	Depth to Water (feet btoc)	Groundwater Elevation (feet NAVD88)	Water Column (feet)
MW-8 (90 - 100)	04/30/20	2355.90	2256.17	20.80	2335.10	78.93
MW-8 (90 - 100)	07/07/20	2355.90	2256.17	20.25	2335.65	79.48
MW-8 (90 - 100)	10/07/20	2355.90	2256.17	21.89	2334.01	77.84
MW-8 (90 - 100)	01/04/21	2355.90	2256.17	23.55	2332.35	76.18
MW-8 (90 - 100)	07/01/21	2355.90	2256.17	22.50	2333.40	77.23
MW-8 (90 - 100)	10/04/21	2355.90	2256.17	21.26	2334.64	78.47
MW-8 (90 - 100)	01/06/22	2355.90	2256.17	20.85	2335.05	78.88
MW-8 (90 - 100)	07/01/22	2355.90	2256.17	19.26	2336.64	80.47
MW-8 (90 - 100)	12/02/22	2355.90	2256.17	16.80	2339.10	82.93
MW-8 (90 - 100)	01/09/23	2355.90	2256.17	15.58	2340.32	84.15
MW-9 (90 -100)	07/29/16	2356.21	2256.47	20.78	2335.43	78.96
MW-9 (90 -100)	08/01/16	2356.21	2256.47	20.90	2335.31	78.84
MW-9 (90 -100)	09/28/16	2356.21	2256.47	21.91	2334.30	77.83
MW-9 (90 -100)	10/11/17	2356.21	2256.47	19.90	2336.31	79.84
MW-9 (90 -100)	01/11/18	2356.21	2256.47	22.43	2333.78	77.31
MW-9 (90 -100)	02/12/18	2356.21	2256.47	21.97	2334.24	77.77
MW-9 (90 -100)	03/06/18	2356.21	2256.47	21.02	2335.19	78.72
MW-9 (90 -100)	04/11/18	2356.21	2256.47	19.96	2336.25	79.78
MW-9 (90 -100)	05/08/18	2356.21	2256.47	20.43	2335.78	79.31
MW-9 (90 -100)	06/07/18	2356.21	2256.47	21.37	2334.84	78.37
MW-9 (90 -100)	07/03/18	2356.21	2256.47	22.11	2334.10	77.63
MW-9 (90 -100)	08/10/18	2356.21	2256.47	22.45	2333.76	77.29
MW-9 (90 -100)	09/05/18	2356.21	2256.47	21.61	2334.60	78.13
MW-9 (90 -100)	10/03/18	2356.21	2256.47	21.74	2334.47	78.00
MW-9 (90 -100)	11/02/18	2356.21	2256.47	16.72	2339.49	83.02
MW-9 (90 -100)	12/05/18	2356.21	2256.47	17.43	2338.78	82.31
MW-9 (90 -100)	01/08/19	2356.21	2256.47	17.21	2339.00	82.53
MW-9 (90 -100)	07/01/19	2356.21	2256.47	15.03	2341.18	84.71
MW-9 (90 -100)	01/13/20	2356.21	2256.47	12.61	2343.60	87.13
MW-9 (90 -100)	04/27/20	2356.21	2256.47	11.33	2344.88	88.41
MW-9 (90 -100)	04/30/20	2356.21	2256.47	12.95	2343.26	86.79
MW-9 (90 -100)	07/07/20	2356.21	2256.47	18.45	2337.76	81.29
MW-9 (90 -100)	10/07/20	2356.21	2256.47	19.54	2336.67	80.20
MW-9 (90 -100)	01/04/21	2356.21	2256.47	20.14	2336.07	79.60
MW-9 (90 -100)	07/01/21	2356.21	2256.47	17.82	2338.39	81.92
MW-9 (90 -100)	10/04/21	2356.21	2256.47	12.48	2343.73	87.26
MW-9 (90 -100)	01/06/22	2356.21	2256.47	13.42	2342.79	86.32
MW-9 (90 -100)	07/01/22	2356.21	2256.47	16.88	2339.33	82.86
MW-9 (90 -100)	12/02/22	2356.21	2256.47	14.36	2341.85	85.38
MW-9 (90 -100)	01/09/23	2356.21	2256.47	11.15	2345.06	88.59
MW-10 (40 - 50)	09/28/16	2352.81	2303.24	32.45	2320.36	17.12
MW-10 (40 - 50)	10/11/17	2352.81	2303.24	30.10	2322.71	19.47
MW-10 (40 - 50)	01/11/18	2352.81	2303.24	31.62	2321.19	17.95
MW-10 (40 - 50)	02/12/18	2352.81	2303.24	33.09	2319.72	16.48
MW-10 (40 - 50)	03/06/18	2352.81	2303.24	33.35	2319.46	16.22
MW-10 (40 - 50)	04/11/18	2352.81	2303.24	34.15	2318.66	15.42
MW-10 (40 - 50)	05/08/18	2352.81	2303.24	33.62	2319.19	15.95
MW-10 (40 - 50)	06/07/18	2352.81	2303.24	33.88	2318.93	15.69

TABLE II
GROUNDWATER ELEVATION DATA
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Date Measured	TOC Elevation (feet NAVD88)	Bottom of Well Elevation (feet NAVD88)	Depth to Water (feet btoc)	Groundwater Elevation (feet NAVD88)	Water Column (feet)
MW-10 (40 - 50)	07/03/18	2352.81	2303.24	33.06	2319.75	16.51
MW-10 (40 - 50)	08/10/18	2352.81	2303.24	33.96	2318.85	15.61
MW-10 (40 - 50)	09/05/18	2352.81	2303.24	33.60	2319.21	15.97
MW-10 (40 - 50)	10/03/18	2352.81	2303.24	33.19	2319.62	16.38
MW-10 (40 - 50)	11/02/18	2352.81	2303.24	31.63	2321.18	17.94
MW-10 (40 - 50)	12/05/18	2352.81	2303.24	31.19	2321.62	18.38
MW-10 (40 - 50)	01/08/19	2352.81	2303.24	31.32	2321.49	18.25
MW-10 (40 - 50)	07/01/19	2352.81	2303.24	25.92	2326.89	23.65
MW-10 (40 - 50)	01/13/20	2352.81	2303.24	26.16	2326.65	23.41
MW-10 (40 - 50)	04/27/20	2352.81	2303.24	22.02	2330.79	27.55
MW-10 (40 - 50)	04/30/20	2352.81	2303.24	22.05	2330.76	27.52
MW-10 (40 - 50)	07/07/20	2352.81	2303.24	24.10	2328.71	25.47
MW-10 (40 - 50)	10/07/20	2352.81	2303.24	*	---	---
MW-10 (40 - 50)	01/04/21	2352.81	2303.24	29.72	2323.09	19.85
MW-10 (40 - 50)	07/01/21	2352.81	2303.24	29.55	2323.26	20.02
MW-10 (40 - 50)	10/04/21	2352.81	2303.24	25.51	2327.30	24.06
MW-10 (40 - 50)	01/06/22	2352.81	2303.24	24.85	2327.96	24.72
MW-10 (40 - 50)	07/01/22	2352.81	2303.24	28.43	2324.38	21.14
MW-10 (40 - 50)	12/02/22	2352.81	2303.24	25.95	2326.86	23.62
MW-10 (40 - 50)	01/09/23	2352.81	2303.24	23.94	2328.87	25.63
MW-11 (37 - 67)	07/18/17	2356.12	2289.39	18.18	2337.94	48.55
MW-11 (37 - 67)	10/11/17	2356.12	2289.39	19.80	2336.32	46.93
MW-11 (37 - 67)	01/11/18	2356.12	2289.39	22.27	2333.85	44.46
MW-11 (37 - 67)	02/12/18	2356.12	2289.39	21.83	2334.29	44.90
MW-11 (37 - 67)	03/06/18	2356.12	2289.39	20.90	2335.22	45.83
MW-11 (37 - 67)	04/11/18	2356.12	2289.39	19.80	2336.32	46.93
MW-11 (37 - 67)	05/08/18	2356.12	2289.39	20.30	2335.82	46.43
MW-11 (37 - 67)	06/07/18	2356.12	2289.39	21.25	2334.87	45.48
MW-11 (37 - 67)	07/03/18	2356.12	2289.39	21.98	2334.14	44.75
MW-11 (37 - 67)	08/10/18	2356.12	2289.39	22.31	2333.81	44.42
MW-11 (37 - 67)	09/05/18	2356.12	2289.39	21.47	2334.65	45.26
MW-11 (37 - 67)	10/03/18	2356.12	2289.39	21.61	2334.51	45.12
MW-11 (37 - 67)	11/02/18	2356.12	2289.39	16.58	2339.54	50.15
MW-11 (37 - 67)	12/05/18	2356.12	2289.39	17.32	2338.80	49.41
MW-11 (37 - 67)	01/08/19	2356.12	2289.39	17.05	2339.07	49.68
MW-11 (37 - 67)	07/01/19	2356.12	2289.39	14.89	2341.23	51.84
MW-11 (37 - 67)	01/13/20	2356.12	2289.39	12.51	2343.61	54.22
MW-11 (37 - 67)	04/27/20	2356.12	2289.39	11.18	2344.94	55.55
MW-11 (37 - 67)	04/30/20	2356.12	2289.39	2.73	2353.39	64.00
MW-11 (37 - 67)	07/07/20	2356.12	2289.39	19.33	2336.79	47.40
MW-11 (37 - 67)	10/07/20	2356.12	2289.39	20.12	2336.00	46.61
MW-11 (37 - 67)	01/04/21	2356.12	2289.39	20.06	2336.06	46.67
MW-11 (37 - 67)	07/01/21	2356.12	2289.39	18.25	2337.87	48.48
MW-11 (37 - 67)	10/04/21	2356.12	2289.39	14.95	2341.17	51.78
MW-11 (37 - 67)	01/06/22	2356.12	2289.39	13.14	2342.98	53.59
MW-11 (37 - 67)	07/01/22	2356.12	2289.39	16.92	2339.20	49.81
MW-11 (37 - 67)	12/02/22	2356.12	2289.39	14.65	2341.47	52.08
MW-11 (37 - 67)	01/09/23	2356.12	2289.39	11.30	2344.82	55.43

TABLE II
GROUNDWATER ELEVATION DATA
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Date Measured	TOC Elevation (feet NAVD88)	Bottom of Well Elevation (feet NAVD88)	Depth to Water (feet btoc)	Groundwater Elevation (feet NAVD88)	Water Column (feet)
MW-12 (120 - 130)	07/18/17	2356.07	2226.39	18.08	2337.99	111.60
MW-12 (120 - 130)	10/11/17	2356.07	2226.39	19.79	2336.28	109.89
MW-12 (120 - 130)	01/11/18	2356.07	2226.39	22.20	2333.87	107.48
MW-12 (120 - 130)	02/12/18	2356.07	2226.39	21.72	2334.35	107.96
MW-12 (120 - 130)	03/06/18	2356.07	2226.39	20.78	2335.29	108.90
MW-12 (120 - 130)	04/11/18	2356.07	2226.39	19.69	2336.38	109.99
MW-12 (120 - 130)	05/08/18	2356.07	2226.39	20.18	2335.89	109.50
MW-12 (120 - 130)	06/07/18	2356.07	2226.39	21.11	2334.96	108.57
MW-12 (120 - 130)	07/03/18	2356.07	2226.39	21.88	2334.19	107.80
MW-12 (120 - 130)	08/10/18	2356.07	2226.39	22.20	2333.87	107.48
MW-12 (120 - 130)	09/05/18	2356.07	2226.39	21.35	2334.72	108.33
MW-12 (120 - 130)	10/03/18	2356.07	2226.39	21.50	2334.57	108.18
MW-12 (120 - 130)	11/02/18	2356.07	2226.39	16.44	2339.63	113.24
MW-12 (120 - 130)	12/05/18	2356.07	2226.39	17.22	2338.85	112.46
MW-12 (120 - 130)	01/08/19	2356.07	2226.39	16.91	2339.16	112.77
MW-12 (120 - 130)	07/01/19	2356.07	2226.39	14.77	2341.30	114.91
MW-12 (120 - 130)	01/13/20	2356.07	2226.39	12.39	2343.68	117.29
MW-12 (120 - 130)	04/27/20	2356.07	2226.39	11.06	2345.01	118.62
MW-12 (120 - 130)	04/30/20	2356.07	2226.39	9.52	2346.55	120.16
MW-12 (120 - 130)	07/07/20	2356.07	2226.39	14.78	2341.29	114.90
MW-12 (120 - 130)	10/07/20	2356.07	2226.39	17.24	2338.83	112.44
MW-12 (120 - 130)	01/04/21	2356.07	2226.39	18.76	2337.31	110.92
MW-12 (120 - 130)	07/01/21	2356.07	2226.39	17.10	2338.97	112.58
MW-12 (120 - 130)	10/04/21	2356.07	2226.39	11.82	2344.25	117.86
MW-12 (120 - 130)	01/06/22	2356.07	2226.39	12.13	2343.94	117.55
MW-12 (120 - 130)	07/01/22	2356.07	2226.39	16.23	2339.84	113.45
MW-12 (120 - 130)	12/02/22	2356.07	2226.39	13.95	2342.12	115.73
MW-12 (120 - 130)	01/09/23	2356.07	2226.39	10.75	2345.32	118.93
MW-13S (38 - 58)	05/08/18	2359.67	2301.40	45.80	2313.87	12.47
MW-13S (38 - 58)	06/07/18	2359.67	2301.40	46.10	2313.57	12.17
MW-13S (38 - 58)	07/03/18	2359.67	2301.40	46.32	2313.35	11.95
MW-13S (38 - 58)	08/10/18	2359.67	2301.40	46.57	2313.10	11.70
MW-13S (38 - 58)	09/05/18	2359.67	2301.40	46.67	2313.00	11.60
MW-13S (38 - 58)	10/03/18	2359.67	2301.40	48.78	2310.89	9.49
MW-13S (38 - 58)	11/02/18	2359.67	2301.40	45.83	2313.84	12.44
MW-13S (38 - 58)	12/05/18	2359.67	2301.40	45.09	2314.58	13.18
MW-13S (38 - 58)	01/08/19	2359.67	2301.40	44.83	2314.84	13.44
MW-13S (38 - 58)	07/01/19	2359.67	2301.40	38.51	2321.16	19.76
MW-13S (38 - 58)	01/13/20	2359.67	2301.40	40.78	2318.89	17.49
MW-13S (38 - 58)	04/27/20	2359.67	2301.40	34.39	2325.28	23.88
MW-13S (38 - 58)	04/30/20	2359.67	2301.40	34.07	2325.60	24.20
MW-13S (38 - 58)	07/07/20	2359.67	2301.40	34.80	2324.87	23.47
MW-13S (38 - 58)	10/07/20	2359.67	2301.40	36.87	2322.80	21.40
MW-13S (38 - 58)	01/04/21	2359.67	2301.40	38.84	2320.83	19.43
MW-13S (38 - 58)	07/01/21	2359.67	2301.40	40.55	2319.12	17.72
MW-13S (38 - 58)	10/04/21	2359.67	2301.40	38.28	2321.39	19.99
MW-13S (38 - 58)	01/06/22	2359.67	2301.40	38.21	2321.46	20.06
MW-13S (38 - 58)	07/01/22	2359.67	2301.40	39.78	2319.89	18.49

TABLE II
GROUNDWATER ELEVATION DATA
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Date Measured	TOC Elevation (feet NAVD88)	Bottom of Well Elevation (feet NAVD88)	Depth to Water (feet btoc)	Groundwater Elevation (feet NAVD88)	Water Column (feet)
MW-13S (38 - 58)	12/02/22	2359.67	2301.40	35.79	2323.88	22.48
MW-13S (38 - 58)	01/09/23	2359.67	2301.40	35.90	2323.77	22.37
MW-13D (89 - 129)	11/02/18	2359.44	2230.58	45.83	2313.61	83.03
MW-13D (89 - 129)	12/05/18	2359.44	2230.58	45.04	2314.40	83.82
MW-13D (89 - 129)	01/08/19	2359.44	2230.58	44.77	2314.67	84.09
MW-13D (89 - 129)	07/01/19	2359.44	2230.58	41.76	2317.68	87.10
MW-13D (89 - 129)	01/13/20	2359.44	2230.58	40.58	2318.86	88.28
MW-13D (89 - 129)	04/27/20	2359.44	2230.58	34.60	2324.84	94.26
MW-13D (89 - 129)	04/30/20	2359.44	2230.58	34.18	2325.26	94.68
MW-13D (89 - 129)	07/07/20	2359.44	2230.58	34.76	2324.68	94.10
MW-13D (89 - 129)	10/07/20	2359.44	2230.58	36.70	2322.74	92.16
MW-13D (89 - 129)	01/04/21	2359.44	2230.58	38.72	2320.72	90.14
MW-13D (89 - 129)	07/01/21	2359.44	2230.58	40.40	2319.04	88.46
MW-13D (89 - 129)	10/04/21	2359.44	2230.58	38.09	2321.35	90.77
MW-13D (89 - 129)	01/06/22	2359.44	2230.58	38.08	2321.36	90.78
MW-13D (89 - 129)	07/01/22	2359.44	2230.58	37.71	2321.73	91.15
MW-13D (89 - 129)	12/02/22	2359.44	2230.58	35.61	2323.83	93.25
MW-13D (89 - 129)	01/09/23	2359.44	2230.58	35.75	2323.69	93.11
MW-14S (34 - 54)	11/02/18	2357.35	2302.99	38.30	2319.05	16.06
MW-14S (34 - 54)	12/05/18	2357.35	2302.99	37.36	2319.99	17.00
MW-14S (34 - 54)	01/08/19	2357.35	2302.99	37.32	2320.03	17.04
MW-14S (34 - 54)	07/01/19	2357.35	2302.99	31.61	2325.74	22.75
MW-14S (34 - 54)	01/13/20	2357.35	2302.99	32.86	2324.49	21.50
MW-14S (34 - 54)	04/27/20	2357.35	2302.99	28.55	2328.80	25.81
MW-14S (34 - 54)	04/30/20	2357.35	2302.99	27.49	2329.86	26.87
MW-14S (34 - 54)	07/07/20	2357.35	2302.99	29.01	2328.34	25.35
MW-14S (34 - 54)	10/07/20	2357.35	2302.99	31.48	2325.87	22.88
MW-14S (34 - 54)	01/04/21	2357.35	2302.99	33.40	2323.95	20.96
MW-14S (34 - 54)	07/01/21	2357.35	2302.99	34.60	2322.75	19.76
MW-14S (34 - 54)	10/04/21	2357.35	2302.99	32.45	2324.90	21.91
MW-14S (34 - 54)	01/06/22	2357.35	2302.99	30.82	2326.53	23.54
MW-14S (34 - 54)	07/01/22	2357.35	2302.99	31.25	2326.10	23.11
MW-14S (34 - 54)	12/02/22	2357.35	2302.99	30.70	2326.65	23.66
MW-14S (34 - 54)	01/09/23	2357.35	2302.99	29.45	2327.90	24.91
MW-15S (40 - 60)	12/02/22	2358.06	2298.47	34.00	2324.06	25.59
MW-15S (40 - 60)	01/09/23	2358.06	2298.47	34.45	2323.61	25.14

Notes:
MW-1 (13 - 23) = well ID with screen interval in feet below ground surface
(*) = water level measurement anomalous, not reported
(---) = not applicable
btoc = below top of casing
NAVD88 = North American Vertical Datum of 1988
TOC = top of casing

TABLE III
ANALYTICAL RESULTS, PCE AND TCE IN GROUNDWATER
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	Comment
MW-1 (13 - 23)	02/06/16	**18.9**	<1.0	
MW-1 (13 - 23)	07/29/16	3.7	<1.0	
MW-1 (13 - 23)	01/14/18	2.7	<1.0	
MW-1 (13 - 23)	04/11/18	1.4	<1.0	
MW-1 (13 - 23)	07/03/18	1.3	<1.0	
MW-1 (13 - 23)	10/03/18	1.5	<1.0	
MW-1 (13 - 23)	01/28/19	<1.0	<1.0	
MW-1 (13 - 23)	01/16/20	<1.0	<1.0	
MW-1 (13 - 23)	01/07/21	<1.0	<0.4	
MW-1 (13 - 23)	07/01/21	<1.0	<0.4	
MW-1 (13 - 23)	10/04/21	<1.0	<1.0	
MW-1 (13 - 23)	01/06/22	<2.0	<2.0	
MW-1 (13 - 23)	01/09/23	<1.0	<1.0	
MW-2 (13 - 23)	02/06/16	3.5	<1.0	
MW-2 (13 - 23)	07/29/16	2.1	<1.0	
MW-2 (13 - 23)	01/14/18	<1.0	<1.0	
MW-2 (13 - 23)	04/11/18	<1.0	<1.0	
MW-2 (13 - 23)	07/03/18	<1.0	<1.0	
MW-2 (13 - 23)	10/03/18	<1.0	<1.0	
MW-2 (13 - 23)	01/28/19	<1.0	<1.0	
MW-2 (13 - 23)	07/02/19	0.93	<0.5	
MW-2 (13 - 23)	01/16/20	<1.0	<1.0	
MW-2 (13 - 23)	07/08/20	<1.0	<0.4	
MW-2 (13 - 23)	01/07/21	<1.0	<0.4	
MW-2 (13 - 23)	07/01/21	<1.0	<0.4	
MW-2 (13 - 23)	10/04/21	<1.0	<1.0	
MW-2 (13 - 23)	01/06/22	<2.0	<2.0	
MW-2 (13 - 23)	01/09/23	<1.0	<1.0	
MW-3 (13 - 23)	07/29/16	**126**	2.1	
MW-3 (13 - 23)	01/14/18	**76**	**16**	
MW-3 (13 - 23)	04/11/18	**35**	**5.6**	
MW-3 (13 - 23)	07/03/18	**35**	**10**	
MW-3 (13 - 23)	10/03/18	**43**	**18**	
MW-3 (13 - 23)	01/28/19	**5.7**	2.3	
MW-3 (13 - 23)	01/16/20	**49**	1.7	
MW-3 (13 - 23)	04/28/20	**47.6**	<0.4	
MW-3 (13 - 23)	07/08/20	<1.0	<0.4	
MW-3 (13 - 23)	10/08/20	<1.0	<0.4	
MW-3 (13 - 23)	01/07/21	<1.0	<0.4	
MW-3 (13 - 23)	07/01/21	<1.0	<0.4	
MW-3 (13 - 23)	10/04/21	<1.0	<1.0	
MW-3 (13 - 23)	01/06/22	<2.0	<2.0	
MW-3 (13 - 23)	01/09/23	<1.0	<1.0	
MW-4 (20 - 30)	07/29/16	**11.8**	<1.0	
MW-4 (20 - 30)	01/14/18	<1.0	<1.0	
MW-4 (20 - 30)	04/11/18	<1.0	2.5	

TABLE III
ANALYTICAL RESULTS, PCE AND TCE IN GROUNDWATER
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	Comment
MW-4 (20 - 30)	07/03/18	<1.0	1.5	
MW-4 (20 - 30)	10/03/18	<1.0	<1.0	
MW-4 (20 - 30)	01/28/19	<1.0	2.4	
MW-4 (20 - 30)	01/16/20	<1.0	1	
MW-4 (20 - 30)	01/07/21	<1.0	<0.4	
MW-4 (20 - 30)	07/01/21	<1.0	<0.4	
MW-4 (20 - 30)	10/04/21	<1.0	<1.0	
MW-4 (20 - 30)	01/07/22	<2.0	<2.0	
MW-4 (20 - 30)	01/09/23	<1.0	<1.0	
MW-5 (20 - 30)	07/29/16	**185**	**5.4**	
MW-5 (20 - 30)	01/14/18	**240**	**36**	
MW-5 (20 - 30)	04/11/18	**140**	**26**	
MW-5 (20 - 30)	07/03/18	**230**	**29**	
MW-5 (20 - 30)	10/03/18	**46**	<2.0	
MW-5 (20 - 30)	01/28/19	**51**	**16**	
MW-5 (20 - 30)	01/16/20	**31**	**5.5**	
MW-5 (20 - 30)	04/28/20	**70**	1.7	
MW-5 (20 - 30)	07/08/20	**60.1**	4.4	
MW-5 (20 - 30)	10/08/20	**87.5**	4.5	
MW-5 (20 - 30)	01/07/21	**6.5**	4.6	
MW-5 (20 - 30)	07/01/21	**68.1**	2.4	
MW-5 (20 - 30)	10/04/21	**83.9**	2.0	
MW-5 (20 - 30)	01/06/22	**30**	<2.0	
MW-5 (20 - 30)	01/09/23	**18.6**	1.0	
MW-6 (20 - 30)	07/29/16	<1.0	<1.0	
MW-6 (20 - 30)	01/14/18	<1.0	<1.0	
MW-6 (20 - 30)	04/11/18	<1.0	<1.0	
MW-6 (20 - 30)	07/03/18	<1.0	<1.0	
MW-6 (20 - 30)	10/03/18	<1.0	<1.0	
MW-6 (20 - 30)	01/28/19	<1.0	<1.0	
MW-6 (20 - 30)	07/02/19	<0.5	0.91	
MW-6 (20 - 30)	01/16/20	<1.0	<1.0	
MW-6 (20 - 30)	07/08/20	<1.0	<0.4	
MW-6 (20 - 30)	01/07/21	<1.0	<0.4	
MW-6 (20 - 30)	07/01/21	<1.0	<0.4	
MW-6 (20 - 30)	10/04/21	<1.0	<1.0	
MW-6 (20 - 30)	01/06/22	<2.0	<2.0	
MW-6 (20 - 30)	07/01/22	<0.50	<0.50	
MW-6 (20 - 30)	01/09/23	<1.0	<1.0	
MW-7 (35 - 45)	09/02/16	**102**	3.2	
MW-7 (35 - 45)	01/14/18	**120**	**5.3**	
MW-7 (35 - 45)	04/11/18	**130**	**6.3**	
MW-7 (35 - 45)	07/03/18	**140**	**6**	
MW-7 (35 - 45)	10/03/18	**210**	**5.1**	

TABLE III
ANALYTICAL RESULTS, PCE AND TCE IN GROUNDWATER
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	Comment
MW-7 (35 - 45)	01/28/19	**100**	<5.0	
MW-7 (35 - 45)	07/02/19	**160**	**7.1**	
MW-7 (35 - 45)	01/16/20	**200**	**5.9**	
MW-7 (35 - 45)	04/28/20	**160**	4.5	
MW-7 (35 - 45)	07/08/20	**81.1**	3.7	
MW-7 (35 - 45)	10/08/20	**145**	3.2	
MW-7 (35 - 45)	01/07/21	**59.3**	3.3	
MW-7 (35 - 45)	07/01/21	**117**	**5.6**	
MW-7 (35 - 45)	10/04/21	**124**	2.23	
MW-7 (35 - 45)	01/06/22	**100**	2.1	
MW-7 (35 - 45)	01/09/23	**88.4**	1.7	
MW-8 (90 - 100)	09/02/16	**39.7**	<1.0	
MW-8 (90 - 100)	01/14/18	**11**	**20**	
MW-8 (90 - 100)	04/11/18	4.5	**15**	
MW-8 (90 - 100)	07/03/18	1.4	**13**	
MW-8 (90 - 100)	10/03/18	1.1	**9.3**	
MW-8 (90 - 100)	01/28/19	<1.0	**10**	
MW-8 (90 - 100)	01/16/20	<1.0	**7.6**	
MW-8 (90 - 100)	04/28/20	<1.0	3.3	
MW-8 (90 - 100)	07/08/20	<1.0	2.4	
MW-8 (90 - 100)	10/08/20	<1.0	4.5	
MW-8 (90 - 100)	01/07/21	<1.0	1.1	
MW-8 (90 - 100)	07/01/21	<1.0	4.2	
MW-8 (90 - 100)	10/04/21	<1.0	2.54	
MW-8 (90 - 100)	01/06/22	<2.0	2.7	
MW-8 (90 - 100)	01/09/23	<1.0	1.8	
MW-9 (90 - 100)	07/29/16	**60.2**	1.2	
MW-9 (90 - 100)	01/14/18	**19**	<1.0	
MW-9 (90 - 100)	04/11/18	**25**	<1.0	
MW-9 (90 - 100)	07/03/18	**20**	<1.0	
MW-9 (90 - 100)	10/03/18	**12**	<1.0	
MW-9 (90 - 100)	01/28/19	**16**	<1.0	
MW-9 (90 - 100)	01/16/20	**14**	<1.0	
MW-9 (90 - 100)	04/28/20	**11.1**	<0.4	
MW-9 (90 - 100)	07/08/20	<1.0	<0.4	
MW-9 (90 - 100)	10/08/20	<1.0	<0.4	
MW-9 (90 - 100)	01/07/21	<1.0	<0.4	
MW-9 (90 - 100)	07/01/21	<1.0	<0.4	
MW-9 (90 - 100)	10/04/21	<1.0	<1.0	
MW-9 (90 - 100)	01/06/22	<2.0	<2.0	
MW-9 (90 - 100)	01/09/23	<1.0	<1.0	
MW-10 (40 - 50)	09/20/16	1.3	<1.0	
MW-10 (40 - 50)	01/14/18	<1.0	<1.0	

TABLE III
ANALYTICAL RESULTS, PCE AND TCE IN GROUNDWATER
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	Comment
MW-10 (40 - 50)	04/11/18	1.3	3.5	
MW-10 (40 - 50)	07/03/18	1.9	3.6	
MW-10 (40 - 50)	10/03/18	3.4	2.4	
MW-10 (40 - 50)	01/28/19	2.8	**5.6**	
MW-10 (40 - 50)	07/02/19	<0.5	2.7	
MW-10 (40 - 50)	01/16/20	<1.0	2.8	
MW-10 (40 - 50)	07/08/20	1.5	1.6	
MW-10 (40 - 50)	01/07/21	<1.0	2.2	
MW-10 (40 - 50)	07/01/21	<1.0	2.8	
MW-10 (40 - 50)	10/04/21	1.32	1.62	
MW-10 (40 - 50)	01/06/22	<2.0	<2.0	
MW-10 (40 - 50)	07/01/22	<0.50	<0.50	
MW-10 (40 - 50)	01/09/23	2.0	1.5	
MW-11 (37 - 67)	07/18/17	**255**	**5**	
MW-11 (37 - 67)	01/14/18	**300**	<10	Sample collected at 45 feet bgs
MW-11 (37 - 67)	01/14/18	**330**	<10	Sample collected at 60 feet bgs
MW-11 (37 - 67)	04/11/18	**200**	**70**	
MW-11 (37 - 67)	07/03/18	**280**	**26**	
MW-11 (37 - 67)	10/03/18	**370**	**21**	
MW-11 (37 - 67)	01/28/19	**190**	**54**	
MW-11 (37 - 67)	01/16/20	**140**	**25**	
MW-11 (37 - 67)	04/28/20	**107**	4.1	
MW-11 (37 - 67)	07/08/20	<1.0	<0.4	
MW-11 (37 - 67)	10/08/20	<1.0	<0.4	
MW-11 (37 - 67)	01/07/21	<1.0	<0.4	
MW-11 (37 - 67)	07/01/21	<1.0	<0.4	
MW-11 (37 - 67)	10/04/21	<1.0	<1.0	
MW-11 (37 - 67)	01/09/23	<1.0	<1.0	
MW-11 (37 - 67)	01/06/22	<2.0	<2.0	
MW-12 (120 - 130)	07/18/17	**78.1**	2.0	
MW-12 (120 - 130)	01/14/18	2.8	<2.0	
MW-12 (120 - 130)	04/11/18	<1.0	<1.0	
MW-12 (120 - 130)	07/03/18	1	<1.0	
MW-12 (120 - 130)	10/03/18	2.5	<1.0	
MW-12 (120 - 130)	01/28/19	1.9	<1.0	
MW-12 (120 - 130)	01/16/20	2.3	<1.0	
MW-12 (120 - 130)	04/28/20	1.7	0.7	
MW-12 (120 - 130)	07/08/20	2.7	<0.4	
MW-12 (120 - 130)	10/08/20	2	0.57	
MW-12 (120 - 130)	01/07/21	1.9	<0.4	
MW-12 (120 - 130)	07/01/21	<1.0	<0.4	
MW-12 (120 - 130)	10/04/21	<1.0	<1.0	
MW-12 (120 - 130)	01/06/22	<2.0	<2.0	
MW-12 (120 - 130)	01/09/23	<1.0	<1.0	
MW-13S (38 - 58)	04/27/18	2.4	<1.0	

TABLE III
ANALYTICAL RESULTS, PCE AND TCE IN GROUNDWATER
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	Comment
MW-13S (38 - 58)	07/03/18	1.8	<1.0	
MW-13S (38 - 58)	10/03/18	2	<1.0	
MW-13S (38 - 58)	01/28/19	3.7	<1.0	
MW-13S (38 - 58)	07/02/19	**7.8**	<0.5	
MW-13S (38 - 58)	01/16/20	**12**	<1.0	
MW-13S (38 - 58)	04/28/20	**10.7**	<0.4	
MW-13S (38 - 58)	07/08/20	**9.3**	<0.4	
MW-13S (38 - 58)	10/08/20	**23.6**	<0.4	
MW-13S (38 - 58)	01/07/21	**14.7**	<0.4	
MW-13S (38 - 58)	07/01/21	**26.9**	<0.4	
MW-13S (38 - 58)	10/04/21	**28.6**	<1.0	
MW-13S (38 - 58)	01/06/22	**26**	<2.0	
MW-13S (38 - 58)	07/01/22	**27**	<0.5	
MW-13S (38 - 58)	12/02/22	**22.7**	<1	
MW-13S (38 - 58)	01/09/23	**23**	<1.0	
MW-13D (89 - 129)	10/11/18	**30**	<1.0	Sample collected at 95 feet bgs
MW-13D (89 - 129)	10/11/18	**26**	<1.0	Sample collected at 110 feet bgs
MW-13D (89 - 129)	10/11/18	**19**	<1.0	Sample collected at 125 feet bgs
MW-13D (89 - 129)	11/02/18	**27**	<1.0	Sample collected at 95 feet bgs
MW-13D (89 - 129)	11/02/18	**28**	<1.0	Sample collected at 110 feet bgs
MW-13D (89 - 129)	11/02/18	**28**	<1.0	Sample collected at 125 feet bgs
MW-13D (89 - 129)	01/28/19	**13**	<1.0	
MW-13D (89 - 129)	07/02/19	**11**	<0.5	
MW-13D (89 - 129)	01/16/20	**10**	<1.0	
MW-13D (89 - 129)	04/28/20	**7.2**	<0.4	
MW-13D (89 - 129)	07/08/20	**6.8**	<0.4	
MW-13D (89 - 129)	10/08/20	**9.2**	0.58	
MW-13D (89 - 129)	01/07/21	**8.6**	0.61	
MW-13D (89 - 129)	07/01/21	**10.5**	1.8	
MW-13D (89 - 129)	10/04/21	**6.73**	1.3	
MW-13D (89 - 129)	01/07/22	**8.1**	3.0	
MW-13D (89 - 129)	07/01/22	**11**	4.1	
MW-13D (89 - 129)	12/02/22	**11.1**	**5.1**	
MW-13D (89 - 129)	01/09/23	**9.1**	4.0	
MW-14S (34 - 54)	10/11/18	<1.0	<1.0	
MW-14S (34 - 54)	01/28/19	<1.0	<1.0	
MW-14S (34 - 54)	07/02/19	<0.5	<0.5	
MW-14S (34 - 54)	01/16/20	<1.0	<1.0	
MW-14S (34 - 54)	07/08/20	<1.0	<0.4	
MW-14S (34 - 54)	01/07/21	<1.0	<0.4	
MW-14S (34 - 54)	07/01/21	<1.0	<0.4	
MW-14S (34 - 54)	10/04/21	<1.0	<1.0	
MW-14S (34 - 54)	01/06/22	<2.0	<2.0	
MW-14S (34 - 54)	07/01/22	<0.50	<0.50	
MW-14S (34 - 54)	12/02/22	<1	<1	
MW-14S (34 - 54)	01/09/23	<1.0	<1.0	

TABLE III
ANALYTICAL RESULTS, PCE AND TCE IN GROUNDWATER
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	PCE (µg/L)	TCE (µg/L)	Comment
MW-15S (40 - 60)	10/07/22	3.9	<0.50	
MW-15S (40 - 60)	12/02/22	1.1	<1	
MW-15S (40 - 60)	01/09/23	<1.0	<1.0	
Carefree Water Co. Well #2	01/28/19	<1.0	<1.0	
Carefree Water Co. Well #2	07/02/19	<0.5	<0.5	
Carefree Water Co. Well #2	01/13/20	<1.0	<1.0	
Carefree Water Co. Well #2	07/07/20	<1.0	<0.4	
Carefree Water Co. Well #2	01/12/21	<1.0	<0.40	
Carefree Water Co. Well #2	07/01/21	<1.0	<0.4	
Carefree Water Co. Well #2	01/21/22	<1.0	<1.0	
Carefree Water Co. Well #2	07/01/22	<0.50	<0.50	
Carefree Water Co. Well #2	12/02/22	<1.0	<1.0	
Aquifer Water Quality Standard		5	5	

Notes:

Results in **bold** *indicate the analyte was detected above the Aquifer Water Quality Standard*
MW-1 (13 - 23) = well ID with screen interval in feet below ground surface
"<" indicates that the analyte was not detected in the sample above the reporting limit shown
µg/L = micrograms per liter.
bgs = below ground surface
PCE = tetrachloroethylene
TCE = trichlorethylene

TABLE IV
ISCO PERFORMANCE GROUNDWATER ANALYTICAL RESULTS
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	Event	PCE (µg/L)	TCE (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Oxidation Reduction Potential (mV)	Iron (mg/L)	Sodium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Free Carbon Dioxide (mg/L)
MW-1 (13 - 23)	07/01/21	Third Quarter 2021	<1.0	<0.4	<10	<10	<10	80.0	<0.05	---	---	---	0.029	---
MW-1 (13 - 23)	10/04/21	Fourth Quarter 2021	<1.0	<1.0	<10	<10	<10	132.6	0.2	18.2	6.6	34.7	<0.05	---
MW-1 (13 - 23)	01/06/22	First Quarter 2022	<2.0	<2.0	<5.0	<5.0	<5.0	404.7	<0.40	---	<2.0	300.0	<0.1	---
MW-2 (13 - 23)	07/01/21	Third Quarter 2021	<1.0	<0.4	<10	<10	<10	87.1	<0.05	---	---	---	0.034	---
MW-2 (13 - 23)	10/04/21	Fourth Quarter 2021	<1.0	<1.0	<10	<10	<10	47.4	0.077	92.7	171	341	<0.05	---
MW-2 (13 - 23)	01/06/22	First Quarter 2022	<2.0	<2.0	<5.0	<5.0	<5.0	410.5	0.760	---	<2.0	41	<0.1	---
MW-3 (13 - 23)	04/28/20	Pre-ISCO	**47.6**	<0.40	<10	<10	<10	-14.8	0.2	193	59.2	112	<0.05	<20
MW-3 (13 - 23)	07/08/20	First Post-ISCO	<1.0	<0.40	<10	<10	<10	372.2	<100	45,200	<120	19,300	<0.05	<400
MW-3 (13 - 23)	10/08/20	Second Post-ISCO	<1.0	<0.4	<10	<10	<10	280.5	77.5	41,900	<600	51,900	0.198	<20
MW-3 (13 - 23)	01/07/21	Third Post-ISCO	<1.0	<0.4	<10	<10	<10	457.9	514.0	31,800	<120	27,100	3.830	<20.0
MW-3 (13 - 23)	07/01/21	Third Quarter 2021	<1.0	<0.4	<10	<10	<10	469.2	33.1	---	---	---	2.78	---
MW-3 (13 - 23)	10/04/21	Fourth Quarter 2021	<1.0	<1.0	<10	<10	<10	204.1	121	11,400	27.2	18,900	0.113	---
MW-3 (13 - 23)	01/06/22	First Quarter 2022	<2.0	<2.0	7	<5.0	<5.0	151.7	9	---	<2.0	24,000	<0.1	---
MW-4 (20 - 30)	07/01/21	Third Quarter 2021	<1.0	<0.4	<10	<10	<10	23.7	0.37	---	---	---	<0.05	---
MW-4 (20 - 30)	10/04/21	Fourth Quarter 2021	<1.0	<1.0	<10	<10	<10	-2.5	0.65	63.3	18.7	143	<0.05	---
MW-4 (20 - 30)*	10/04/21	Fourth Quarter 2021	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
MW-4 (20 - 30)	01/07/22	First Quarter 2022	<2.0	<2.0	<5.0	<5.0	<5.0	345.2	1.2	---	<2.0	150.0	<0.1	---
MW-5 (20 - 30)	04/28/20	Pre-ISCO	**70**	1.7	<10	<10	<10	-79.7	1.1	121	51.2	106	<0.05	9.62
MW-5 (20 - 30)	07/08/20	First Post-ISCO	**60.1**	4.4	12.5	<10	<10	105.9	0.3	103	67.8	155	<0.05	<20
MW-5 (20 - 30)	10/08/20	Second Post-ISCO	**87.5**	4.5	141	<10	<10	-388.7	0.45	97.3	63	105	<0.05	34.5
MW-5 (20 - 30)	01/07/21	Third Post-ISCO	**6.5**	4.6	86	<10	<10	-235.3	0.55	89.9	50	121	<0.0150	<20.0
MW-5 (20 - 30)	07/01/21	Third Quarter 2021	**68.1**	2.4	<10	<10	<10	149.2	3.9	---	---	---	<0.05	---
MW-5 (20 - 30)	10/04/21	Fourth Quarter 2021	**83.9**	2.0	27.5	<10	<10	106.6	0.42	74.2	68.2	115	<0.05	---
MW-5 (20 - 30)	01/06/22	First Quarter 2022	**30**	<2.0	57.0	<5.0	<5.0	219.0	0.94	---	<2.0	87	<0.1	---
MW-6 (20 - 30)	07/01/21	Third Quarter 2021	<1.0	<0.4	<10	<10	<10	143.8	0.10	---	---	---	<0.05	---
MW-6 (20 - 30)	10/04/21	Fourth Quarter 2021	<1.0	<1.0	<10	<10	<10	58.4	0.49	41.3	54.7	92.7	<0.05	---
MW-6 (20 - 30)	01/06/22	First Quarter 2022	<2.0	<2.0	<5.0	<5.0	<5.0	303.4	0.86	---	<2.0	110.0	<0.1	---
MW-7 (35 - 45)	04/28/20	Pre-ISCO	**160**	4.5	<10	<10	<10	82.7	2.2	121	136	194	<0.05	24.2
MW-7 (35 - 45)	07/08/20	First Post-ISCO	**81.1**	3.7	<10	<10	<10	320.2	1.2	108	163	193	<0.05	24.1
MW-7 (35 - 45)	10/08/20	Second Post-ISCO	**145**	3.2	31.6	<10	<10	-327.8	1.2	115	168	174	0.019	31.4
MW-7 (35 - 45)	01/07/21	Third Post-ISCO	**59.3**	3.3	<10	<10	<10	-241.3	0.9	116	188	195	0.017	<20.0
MW-7 (35 - 45)	07/01/21	Third Quarter 2021	**117**	**5.6**	16.6	<10	<10	151.7	0.96	---	---	---	<0.05	---
MW-7 (35 - 45)*	07/01/21	Third Quarter 2021	**106**	**5.6**	---	---	---	---	---	---	---	---	---	---
MW-7 (35 - 45)	10/04/21	Fourth Quarter 2021	**124**	2.23	<10	<10	<10	223.6	3.7	98.7	109	159	<0.05	---

TABLE IV
ISCO PERFORMANCE GROUNDWATER ANALYTICAL RESULTS
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	Event	PCE (µg/L)	TCE (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Oxidation Reduction Potential (mV)	Iron (mg/L)	Sodium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Free Carbon Dioxide (mg/L)
MW-7 (35 - 45)	01/06/22	First Quarter 2022	**100**	2.1	<5.0	<5.0	<5.0	509.4	3.3	---	<2.0	210	<0.1	---
MW-8 (90 - 100)	04/28/20	Pre-ISCO	<1.0	3.3	<10	<10	22.5	-171.4	0.3	255	128	286	0.216	<20
MW-8 (90 - 100)	07/08/20	First Post-ISCO	<1.0	2.4	<10	<10	24.4	-13.5	<25	298	129	275	0.156	<20
MW-8 (90 - 100)	10/08/20	Second Post-ISCO	<1.0	4.5	<10	<10	23.8	-288.8	<0.25	270	131	304	0.17	<20
MW-8 (90 - 100)	01/07/21	Third Post-ISCO	<1.0	1.1	<10	<10	13.4	-263.6	0.4	176	112	187	0.26	<20.0
MW-8 (90 - 100)	07/01/21	Third Quarter 2021	<1.0	4.2	<10	<10	27.7	111.6	0.12	---	---	---	0.092	---
MW-8 (90 - 100)	10/04/21	Fourth Quarter 2021	<1.0	2.54	<10	<10	18.9	-72.1	0.065	320	165	358	0.138	---
MW-8 (90 - 100)*	01/06/22	First Quarter 2022	<2.0	2.7	6.0	<5.0	<5.0	145.1	<0.40	---	<2.0	400	<0.1	---
MW-9 (90 - 100)	04/28/20	Pre-ISCO	**11.1**	<0.40	<10	<10	<10	61.9	1.1	37.6	55.4	90.1	0.018	17.6
MW-9 (90 - 100)	07/08/20	First Post-ISCO	<1.0	<0.40	<10	<10	<10	274.4	<25	18,900	<120	8,950	<0.05	<200
MW-9 (90 - 100)	10/08/20	Second Post-ISCO	<1.0	<0.4	<10	<10	<10	-59.3	<5	9,600	<600	7,690	0.17	<20
MW-9 (90 - 100)	01/07/21	Third Post-ISCO	<1.0	<0.4	<10	<10	<10	0.2	<0.25	7,540	<120	7,130	<0.0150	<20.0
MW-9 (90 - 100)	07/01/21	Third Quarter 2021	<1.0	<0.4	<10	<10	<10	324.6	1.0	---	---	---	0.042	---
MW-9 (90 - 100)	10/04/21	Fourth Quarter 2021	<1.0	<1.0	<10	<10	<10	543.5	2.1	2,950	57.3	5,000	<0.05	---
MW-9 (90 - 100)	01/06/22	First Quarter 2022	<2.0	<2.0	<5.0	<5.0	<5.0	550.7	2.2	---	<2.0	6,700	<0.1	---
MW-10 (40 - 50)	07/01/21	Third Quarter 2021	<1.0	2.8	285	<10	<10	110.9	0.28	---	---	---	0.060	---
MW-10 (40 - 50)	10/04/21	Fourth Quarter 2021	1.32	1.62	229	<10	<10	-116.8	2.0	37.8	85.7	60.7	0.646	---
MW-10 (40 - 50)	01/06/22	First Quarter 2022	<2.0	<2.0	1100	<5.0	<5.0	98.5	3.2	---	<2.0	76.0	<0.1	---
MW-11 (37 - 67)	04/28/20	Pre-ISCO	**107**	4.1	<10	<10	<10	39.5	5.5	178	99.4	180	<0.05	9.97
MW-11 (37 - 67)	07/08/20	First Post-ISCO	<1.0	<0.40	<10	<10	<10	276.8	<25	57,500	<120	21,100	<0.05	<2000
MW-11 (37 - 67)	10/08/20	Second Post-ISCO	<1.0	<0.4	<10	<10	<10	363.4	<5	43,600	<600	25,900	<1.25	<20
MW-11 (37 - 67)	01/07/21	Third Post-ISCO	<1.0	<0.4	<10	<10	<10	138.1	<0.25	22,200	<120	22,500	<0.0150	<21
MW-11 (37 - 67)	07/01/21	Third Quarter 2021	<1.0	<0.4	<10	<10	<10	289.9	<0.25	---	---	---	0.023	---
MW-11 (37 - 67)	10/04/21	Fourth Quarter 2021	<1.0	<1.0	<10	<10	<10	444.2	1.4	16,000	<120	26,900	<0.05	---
MW-11 (37 - 67)	01/06/22	First Quarter 2022	<2.0	<2.0	<5.0	<5.0	<5.0	610.6	7.2	---	<2.0	41,000	<0.1	---
MW-12 (120 - 130)	04/28/20	Pre-ISCO	1.7	0.7	446	<10	<10	-157.8	1.6	73.8	45	1.7	0.82	<20
MW-12 (120 - 130)	07/08/20	First Post-ISCO	2.7	<0.40	23.5	<10	<10	157.9	<25	1,120	43	1,450	0.021	<20
MW-12 (120 - 130)	10/08/20	Second Post-ISCO	2	0.57	271	<10	<10	-55.2	<0.25	1,260	41.2	2,370	<0.05	<20
MW-12 (120 - 130)	01/07/21	Third Post-ISCO	1.9	<0.4	259	<10	<10	-178.8	0.3	971	<120	3,090	0.021	<21
MW-12 (120 - 130)	07/01/21	Third Quarter 2021	<1.0	<0.4	121	<10	<10	99.1	<0.25	---	---	---	<0.05	---
MW-12 (120 - 130)	10/04/21	Fourth Quarter 2021	<1.0	<1.0	74.2	<10	<10	353.7	0.24	927	47.3	2,240	<0.05	---
MW-12 (120 - 130)	01/06/22	First Quarter 2022	<2.0	<2.0	64.0	<5.0	<5.0	535.7	1.20	---	<2.0	2,400	<0.1	---
MW-13S (38 - 58)	04/28/20	Pre-ISCO	**10.7**	<0.40	<10	<10	<10	56.1	1.5	61.4	115	94.8	<0.05	23.8
MW-13S (38 - 58)	07/08/20	First Post-ISCO	**9.3**	<0.40	<10	<10	<10	183.0	<25	72.1	119	95.6	0.041	21.4

TABLE IV
ISCO PERFORMANCE GROUNDWATER ANALYTICAL RESULTS
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	Event	PCE (µg/L)	TCE (µg/L)	Methane (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Oxidation Reduction Potential (mV)	Iron (mg/L)	Sodium (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Ferrous Iron (mg/L)	Free Carbon Dioxide (mg/L)
MW-13S (38 - 58)	10/08/20	Second Post-ISCO	**23.6**	<0.4	<10	<10	<10	-158.7	1.1	62.5	127	89.6	<0.05	35.2
MW-13S (38 - 58)	01/07/21	Third Post-ISCO	**14.7**	<0.4	<10	<10	<10	-194.7	1.2	58.4	142	96.6	0.021	<20.0
MW-13S (38 - 58)	07/01/21	Third Quarter 2021	**26.9**	<0.4	<10	<10	<10	184.5	0.34	---	---	---	0.053	---
MW-13S (38 - 58)	10/04/21	Fourth Quarter 2021	**28.6**	<1.0	<10	<10	<10	87.0	1.50	62.4	158.0	99.7	0.076	---
MW-13S (38 - 58)	01/06/22	First Quarter 2022	**26**	<2.0	<5.0	<5.0	<5.0	250.1	6.50	---	2.0	120.0	<0.1	---
MW-13S (38 - 58)	12/02/22	Baseline (Pre-ISCO) 2022	**22.7**	<1.0	<10	<10	<10	141.1	2.40	51.4	123.0	97.9	<0.080	51.1
MW-13D (89 - 129)	04/28/20	Pre-ISCO	**7.2**	<0.40	2,720	<10	<10	-151.4	1.3	71	145	104	0.615	8.09
MW-13D (89 - 129)	07/08/20	First Post-ISCO	**6.8**	<0.40	2,360	<10	<10	-86.7	<25	98.5	166	114	0.942	<20
MW-13D (89 - 129)	10/08/20	Second Post-ISCO	**9.2**	0.58	2,490	<10	<10	-239.6	0.75	68.3	139	99.1	0.403	<20
MW-13D (89 - 129)	01/07/21	Third Post-ISCO	**8.6**	0.61	1,500	<10	<10	-262.2	2.2	66.3	159	111.0	0.771	<21
MW-13D (89 - 129)	07/01/21	Third Quarter 2021	**10.5**	1.8	1,940	<10	<10	165.1	1.5	62.4	---	---	0.059	---
MW-13D (89 - 129)	10/04/21	Fourth Quarter 2021	**6.73**	1.3	1,740	<10	<10	-33.7	4.2	71	166	101	2.4	---
MW-13D (89 - 129)	01/06/22	First Quarter 2022	**8.1**	3.0	2,900	<5.0	<5.0	92.3	1.3	---	<2.0	130	<0.1	---
MW-13D (89 - 129)	12/02/22	Baseline (Pre-ISCO) 2022	**11.1**	**5.1**	829	<10	<10	-36.4	1.1	62.0	128.0	96.1	0.81	47.3
MW-14S (34 - 54)	07/01/21	Third Quarter 2021	<1.0	<0.4	<10	<10	<10	104.3	0.14	---	---	---	<0.05	---
MW-14S (34 - 54)	10/04/21	Fourth Quarter 2021	<1.0	<1.0	<10	<10	<10	210.0	4.7	156	111	165	<0.05	---
MW-14S (34 - 54)	01/06/22	First Quarter 2022	<2.0	<2.0	<5.0	<5.0	<5.0	171.0	5.9	---	<2.0	220	<0.1	---
MW-14S (34 - 54)	12/02/22	Baseline (Pre-ISCO) 2022	<1.0	<1.0	<10	<10	<10	176.9	10.1	157	88.4	142	<0.080	<20
MW-15S (40 - 60)	12/02/22	Baseline (Pre-ISCO) 2022	1.1	<1.0	<10	<10	<10	18.9	0.32	132	72.2	335	<0.080	25.7
Aquifer Water Quality Standard			5.0	5.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE

Notes:

Results in **bold** *indicate the analyte was detected above the Aquifer Water Quality Standard*
MW-1 (13 - 23) = well ID with screen interval in feet below ground surface
"<" indicates that the analyte was not detected in the sample above the reporting limit shown
--- = not measured/analyzed
** = sample duplicate*
µg/L = micrograms per liter
bgs = below ground surface
ISCO = In-Situ Chemical Oxidation
mg/L = milligrams per liter
mV = millivolts
NE = not established
PCE = tetrachloroethylene
TCE = trichlorethylene

TABLE V
GROUNDWATER FIELD PARAMETER RESULTS
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	Temperature (°C)	Conductivity (µS/cm)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Sodium Persulfate Reagent (mg/L)
MW-1 (13 - 23)	07/29/16	28.5	883	7.04	---	---	---
MW-1 (13 - 23)	01/14/18	24.1	577	6.50	---	---	---
MW-1 (13 - 23)	04/11/18	26.3	615	6.55	---	---	---
MW-1 (13 - 23)	07/03/18	24.5	679	7.25	---	---	---
MW-1 (13 - 23)	10/03/18	27.3	729	6.90	---	---	---
MW-1 (13 - 23)	01/28/19	23.2	669	5.64	---	---	---
MW-1 (13 - 23)	01/16/20	23.7	768	6.89	---	---	---
MW-1 (13 - 23)	01/07/21	19.7	634	6.73	4.2	-166.0	0.1
MW-1 (13 - 23)	07/02/21	28.2	555	6.15	NR	80.0	---
MW-1 (13 - 23)	10/04/21	25.5	447	6.90	4.8	132.6	---
MW-1 (13 - 23)	01/06/22	18.8	420	6.50	6.4	404.7	---
MW-1 (13 - 23)	01/09/23	21.76	502	6.61	4.82	66.3	---
MW-2 (13 - 23)	07/29/16	26.8	4,479	6.97	---	---	---
MW-2 (13 - 23)	01/14/18	23.2	1,457	6.76	---	---	---
MW-2 (13 - 23)	04/11/18	26.1	1,036	6.72	---	---	---
MW-2 (13 - 23)	07/03/18	24.0	1,232	6.97	---	---	---
MW-2 (13 - 23)	10/03/18	---	1,252	6.93	---	---	---
MW-2 (13 - 23)	01/28/19	22.6	1,104	6.61	---	---	---
MW-2 (13 - 23)	07/02/19	25.3	1,211	6.78	---	---	---
MW-2 (13 - 23)	01/16/20	23.0	1,867	6.64	---	---	---
MW-2 (13 - 23)	07/08/20	26.1	1,662	6.49	---	---	---
MW-2 (13 - 23)	01/07/21	18.6	1,320	6.65	3.7	-188.4	0.1
MW-2 (13 - 23)	07/01/21	28.2	1,342	6.86	NR	87.1	---
MW-2 (13 - 23)	10/04/21	27.0	1,606	7.09	3.5	47.4	---
MW-2 (13 - 23)	01/06/22	18.4	1,141	6.34	7.6	410.5	---
MW-2 (13 - 23)	01/09/23	22.78	1,412	6.62	3.49	69.1	---
MW-3 (13 - 23)	07/29/16	25.8	1,197	7.04	---	---	---
MW-3 (13 - 23)	01/14/18	23.1	943	6.98	---	---	---
MW-3 (13 - 23)	04/11/18	26.9	577	7.38	---	---	---
MW-3 (13 - 23)	07/03/18	23.6	631	7.36	---	---	---
MW-3 (13 - 23)	10/03/18	---	715	7.2	---	---	---
MW-3 (13 - 23)	01/28/19	22.1	608	7.85	---	---	---
MW-3 (13 - 23)	01/16/20	21.9	852	7.53	---	---	---
MW-3 (13 - 23)	04/28/20	24.2	1,174	7.2	5.37	-14.8	---
MW-3 (13 - 23)	07/08/20	27.3	113,217	12.47	11.35	372.2	>70
MW-3 (13 - 23)	10/08/20	29.2	88,398	6.03	4.45	280.5	>70
MW-3 (13 - 23)	01/07/21	18.8	82,091	2.71	2.24	457.9	>70
MW-3 (13 - 23)	07/01/21	25.5	49,935	2.92	NR	469.2	>70
MW-3 (13 - 23)	10/04/21	27.9	21,444	8.33	5.1	204.1	>70
MW-3 (13 - 23)	01/06/22	17.9	23,510	5.75	7.4	151.7	>70
MW-3 (13 - 23)	01/09/23	20.96	15,406	9.37	11.82	-158.5	---
MW-4 (20 - 30)	07/29/16	28.7	1,405	7.15	---	---	---
MW-4 (20 - 30)	01/14/18	23.6	1,317	7.01	---	---	---
MW-4 (20 - 30)	04/11/18	25.3	1,277	6.89	---	---	---
MW-4 (20 - 30)	07/03/18	23.6	1,345	6.96	---	---	---
MW-4 (20 - 30)	10/03/18	26.3	1,219	6.23	---	---	---
MW-4 (20 - 30)	01/28/19	22.4	1,288	6.97	---	---	---
MW-4 (20 - 30)	01/16/20	21.0	1,212	6.82	---	---	---
MW-4 (20 - 30)	01/07/21	18.4	855	5.34	14.3	-176.1	7.0
MW-4 (20 - 30)	07/02/21	26.4	939	6.53	NR	23.7	---

TABLE V
GROUNDWATER FIELD PARAMETER RESULTS
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	Temperature (°C)	Conductivity (µS/cm)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Sodium Persulfate Reagent (mg/L)
MW-4 (20 - 30)	10/04/21	26.7	803	7.16	1.5	-2.5	---
MW-4 (20 - 30)	01/07/22	16.6	660	7.01	5.4	345.2	---
MW-4 (20 - 30)	01/09/23	19.25	716	6.89	326	-259	---
MW-5 (20 - 30)	07/29/16	27.5	1,964	7.24	---	---	---
MW-5 (20 - 30)	01/14/18	24.1	1,094	6.80	---	---	---
MW-5 (20 - 30)	04/11/18	27.9	1,063	6.93	---	---	---
MW-5 (20 - 30)	07/03/18	24.4	1,205	6.88	---	---	---
MW-5 (20 - 30)	10/03/18	26.1	134	6.74	---	---	---
MW-5 (20 - 30)	01/28/19	22.6	525	8.83	---	---	---
MW-5 (20 - 30)	01/16/20	22.8	963	6.89	---	---	---
MW-5 (20 - 30)	04/28/20	23.9	1,070	6.90	4.25	-79.7	---
MW-5 (20 - 30)	04/30/20	---	---	---	---	---	0.7 to 1.4
MW-5 (20 - 30)	07/08/20	27.7	1,164	6.93	2.63	105.9	1.4 to 2.1
MW-5 (20 - 30)	10/08/20	26.2	1,002	6.66	6.50	-388.7	3.5
MW-5 (20 - 30)	01/07/21	19.4	821	6.97	1.39	-235.3	5.6
MW-5 (20 - 30)	07/01/21	26.9	1,274	6.69	NR	149.2	NOD
MW-5 (20 - 30)	10/04/21	28.1	265	7.26	1.6	106.6	0.2
MW-5 (20 - 30)	01/06/22	22.0	301	7.16	2.7	219.0	1.4
MW-5 (20 - 30)	01/09/23	22.73	646	6.80	6.25	22.9	---
MW-6 (20 - 30)	07/29/16	28.2	848	6.69	---	---	---
MW-6 (20 - 30)	01/14/18	26.9	1,206	7.13	---	---	---
MW-6 (20 - 30)	04/11/18	27.4	1,208	7.21	---	---	---
MW-6 (20 - 30)	07/03/18	25.9	1,393	7.32	---	---	---
MW-6 (20 - 30)	10/03/18	27.8	1,344	7.31	---	---	---
MW-6 (20 - 30)	01/28/19	26.0	1,195	7.21	---	---	---
MW-6 (20 - 30)	07/02/19	27.3	994	7.18	---	---	---
MW-6 (20 - 30)	01/16/20	23.4	758	7.06	---	---	---
MW-6 (20 - 30)	07/08/20	29.3	822	6.96	---	---	---
MW-6 (20 - 30)	01/07/21	22.7	985	6.9	1.3	-234.7	0.5
MW-6 (20 - 30)	07/02/21	29.0	943	6.34	NR	143.8	---
MW-6 (20 - 30)	10/04/21	30.4	247	7.2	1.2	58.4	---
MW-6 (20 - 30)	01/06/22	22.5	421	6.7	3.7	303.4	---
MW-6 (20 - 30)	07/01/22	28.9	866	6.39	4.9	216.7	---
MW-6 (20 - 30)	01/09/23	23.84	753	6.73	1.72	64.7	---
MW-7 (35 - 45)	01/14/18	22.5	1,249	6.67	---	---	---
MW-7 (35 - 45)	04/11/18	27.3	1,246	6.83	---	---	---
MW-7 (35 - 45)	07/03/18	23.0	1,215	6.85	---	---	---
MW-7 (35 - 45)	10/03/18	24.2	1,248	6.8	---	---	---
MW-7 (35 - 45)	01/28/19	20.0	1,257	6.63	---	---	---
MW-7 (35 - 45)	07/02/19	25.2	1,482	6.64	---	---	---
MW-7 (35 - 45)	01/16/20	21.1	1,427	6.75	---	---	---
MW-7 (35 - 45)	04/28/20	24.8	1,012	6.8	2.32	82.7	---
MW-7 (35 - 45)	04/30/20	---	---	---	---	---	1.4 to 2.1
MW-7 (35 - 45)	07/08/20	26.5	1,768	6.67	3.41	320.2	0.7 to 1.4
MW-7 (35 - 45)	10/08/20	23.5	1,449	6.09	6.11	-327.8	0.7
MW-7 (35 - 45)	01/07/21	21.5	1,528	6.85	1.77	-241.3	0.1
MW-7 (35 - 45)	07/01/21	24.9	1,334	5.33	NR	151.7	NOD
MW-7 (35 - 45)	10/04/21	22.9	1,036	6.45	4.6	223.6	5.0
MW-7 (35 - 45)	01/06/22	17.6	1,018	6.72	3.3	509.4	5.1
MW-7 (35 - 45)	01/09/23	19.96	1,226	6.71	4.61	50.3	---

TABLE V
GROUNDWATER FIELD PARAMETER RESULTS
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	Temperature (°C)	Conductivity (µS/cm)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Sodium Persulfate Reagent (mg/L)
MW-8 (90 - 100)	01/14/18	23.1	815	10.57	---	---	---
MW-8 (90 - 100)	04/11/18	26.8	842	10.28	---	---	---
MW-8 (90 - 100)	07/03/18	24.2	891	10.04	---	---	---
MW-8 (90 - 100)	10/03/18	26.4	906	7.3	---	---	---
MW-8 (90 - 100)	01/28/19	20.3	924	8.54	---	---	---
MW-8 (90 - 100)	01/16/20	23.4	1,144	8.06	---	---	---
MW-8 (90 - 100)	04/28/20	23.2	1,062	6.7	1.29	-171.4	---
MW-8 (90 - 100)	04/30/20	---	---	---	---	---	0.7 to 1.4
MW-8 (90 - 100)	07/08/20	26.2	1,151	7.66	2.02	-13.5	NOD
MW-8 (90 - 100)	10/08/20	27.9	1,324	7.82	4.31	-288.8	NOD
MW-8 (90 - 100)	01/07/21	18.1	976	6.9	1.95	-263.6	0.1
MW-8 (90 - 100)	07/02/21	33.5	1,156	6.75	NR	111.6	---
MW-8 (90 - 100)	10/04/21	25.3	870	7.62	1.5	-72.1	---
MW-8 (90 - 100)	01/06/22	18.9	841	7.4	2.3	145.1	---
MW-8 (90 - 100)	01/09/23	19.14	1,271	6.58	3.53	-166.5	---
MW-9 (90 - 100)	07/29/16	27.0	970	6.40	---	---	---
MW-9 (90 - 100)	01/14/18	21.6	752	6.75	---	---	---
MW-9 (90 - 100)	04/11/18	25.5	816	6.94	---	---	---
MW-9 (90 - 100)	07/03/18	23.2	868	6.99	---	---	---
MW-9 (90 - 100)	10/03/18	25.3	722	7.21	---	---	---
MW-9 (90 - 100)	01/28/19	21.8	871	6.87	---	---	---
MW-9 (90 - 100)	01/16/20	22.4	972	6.95	---	---	---
MW-9 (90 - 100)	04/28/20	26.1	972	6.6	1.91	61.9	---
MW-9 (90 - 100)	07/08/20	27.7	79,812	12.58	14.19	274.4	>70
MW-9 (90 - 100)	10/08/20	24.5	34,472	12.21	18.87	-59.3	49.0
MW-9 (90 - 100)	01/07/21	18.2	21,536	11.67	NR	0.2	>70
MW-9 (90 - 100)	07/01/21	25.9	14,941	2.99	NR	324.6	>70
MW-9 (90 - 100)	10/04/21	27.3	11,504	2.85	NR	543.5	>70
MW-9 (90 - 100)	01/06/22	18.8	9,198	2.9	NR	550.7	>70
MW-9 (90 - 100)	01/09/23	20.50	7,923	2.67	27.36	545.8	>70
MW-10 (40 - 50)	01/14/18	25.1	1,334	6.64	---	---	---
MW-10 (40 - 50)	04/11/18	29.3	1,284	7.1	---	---	---
MW-10 (40 - 50)	07/03/18	25.0	1,514	7.01	---	---	---
MW-10 (40 - 50)	10/03/18	25.2	588	6.98	---	---	---
MW-10 (40 - 50)	01/28/19	24.1	1,609	7.06	---	---	---
MW-10 (40 - 50)	07/02/19	26.9	470	6.96	---	---	---
MW-10 (40 - 50)	01/16/20	22.5	422	9.95	---	---	---
MW-10 (40 - 50)	07/08/20	27.1	447	6.97	---	---	---
MW-10 (40 - 50)	01/07/21	18.8	408	6.79	2.88	-199.4	0.1
MW-10 (40 - 50)	07/02/21	33.5	238	6.28	NR	110.9	---
MW-10 (40 - 50)	10/04/21	27.4	345	6.91	1.01	-116.8	---
MW-10 (40 - 50)	01/06/22	23.5	256	6.46	2.75	98.5	---
MW-10 (40 - 50)	07/01/22	27.4	346	6.46	4.35	216.7	---
MW-10 (40 - 50)	01/09/23	24.79	482	6.72	2.29	23.6	---
MW-11 (37 - 67)	07/18/17	27.2	1,476	6.97	---	---	---
MW-11 (37 - 67)	01/14/18	23.7	1,386	7.10	---	---	---
MW-11 (37 - 67)	01/14/18	23.4	1,399	6.78	---	---	---
MW-11 (37 - 67)	04/11/18	27.6	1,274	8.27	---	---	---
MW-11 (37 - 67)	07/03/18	23.2	1,420	7.12	---	---	---
MW-11 (37 - 67)	10/03/18	25.7	1,509	10.05	---	---	---

TABLE V
GROUNDWATER FIELD PARAMETER RESULTS
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

Well ID	Sample Date	Temperature (°C)	Conductivity (µS/cm)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Sodium Persulfate Reagent (mg/L)
MW-11 (37 - 67)	01/28/19	21.6	1,289	8.71	---	---	---
MW-11 (37 - 67)	01/16/20	22.3	819	9.99			
MW-11 (37 - 67)	04/28/20	26.0	1,417	6.90	2.78	39.5	---
MW-11 (37 - 67)	07/08/20	28.9	123,765	12.49	9.95	276.8	>70
MW-11 (37 - 67)	10/08/20	25.7	76,052	9.89	9.80	363.4	56.0
MW-11 (37 - 67)	01/07/21	19.5	55,060	10.97	NR	138.1	>70
MW-11 (37 - 67)	07/01/21	25.8	37,600	8.69	NR	289.9	>70
MW-11 (37 - 67)	10/04/21	27.3	35,919	4.42	NR	444.2	>70
MW-11 (37 - 67)	01/06/22	18.2	31,940	3.43	NR	610.6	>70
MW-11 (37 - 67)	01/09/23	19.75	19,916	7.90	28.31	245.3	---
MW-12 (120 - 130)	07/18/17	28.0	774	6.85	---	---	---
MW-12 (120 - 130)	01/14/18	22.9	579	6.90	---	---	---
MW-12 (120 - 130)	04/11/18	26.9	613	6.95	---	---	---
MW-12 (120 - 130)	07/03/18	23.3	1,056	11.25	---	---	---
MW-12 (120 - 130)	10/03/18	26.0	848	11.00	---	---	---
MW-12 (120 - 130)	01/28/19	22.0	646	9.21	---	---	---
MW-12 (120 - 130)	01/16/20	21.0	208	9.22	---	---	---
MW-12 (120 - 130)	04/28/20	27.4	413	8.70	2.27	-157.8	---
MW-12 (120 - 130)	07/08/20	25.8	524	9.11	3.10	157.9	>70
MW-12 (120 - 130)	10/08/20	25.9	5,295	8.37	4.11	-55.2	>70
MW-12 (120 - 130)	01/07/21	18.3	2,236	8.48	4.60	-178.8	>70
MW-12 (120 - 130)	07/02/21	26.7	1,168	6.18	NR	99.1	---
MW-12 (120 - 130)	10/04/21	27.2	1,264	7.45	5.4	353.7	>70
MW-12 (120 - 130)	01/06/22	16.3	906	7.21	6.6	535.7	>70
MW-12 (120 - 130)	01/09/23	*	*	*	*	*	*
MW-13S (38 - 58)	07/03/18	23.5	1,013	6.81	---	---	---
MW-13S (38 - 58)	10/03/18	25.5	1,009	6.94	---	---	---
MW-13S (38 - 58)	01/28/19	20.9	1,045	6.66	---	---	---
MW-13S (38 - 58)	07/02/19	26.9	1,201	6.62	---	---	---
MW-13S (38 - 58)	01/16/20	22.6	1,275	6.67	---	---	---
MW-13S (38 - 58)	04/28/20	27.2	1,233	6.60	4.99	56.1	---
MW-13S (38 - 58)	04/30/20	---	---	---	---	---	NOD
MW-13S (38 - 58)	07/08/20	29.2	1,295	6.72	4.83	183.0	NOD
MW-13S (38 - 58)	10/08/20	29.2	1,338	6.74	5.78	-158.7	NOD
MW-13S (38 - 58)	01/07/21	21.2	1,264	6.88	4.61	-194.7	0.1
MW-13S (38 - 58)	07/01/21	26.5	1,361	6.58	NR	184.5	NOD
MW-13S (38 - 58)	10/04/21	27.3	1,151	7.04	NR	87.0	NOD
MW-13S (38 - 58)	01/06/22	21.1	1,085	6.50	4.67	250.1	---
MW-13S (38 - 58)	07/01/22	26.5	1,166	6.50	6.07	173.8	---
MW-13S (38 - 58)	12/02/22	20.51	1,021	6.71	4.65	141.1	NOD
MW-13S (38 - 58)	01/09/23	22.40	1,191	6.56	4.94	117.2	NOD
MW-13D (89 - 129)	10/11/18	---	1,080	7.21	---	---	---
MW-13D (89 - 129)	10/11/18	---	1,090	7.30	---	---	---
MW-13D (89 - 129)	10/11/18	---	1,100	7.35	---	---	---
MW-13D (89 - 129)	11/02/18	18.8	1,043	6.66	---	---	---
MW-13D (89 - 129)	11/02/18	21.2	1,110	6.89	---	---	---
MW-13D (89 - 129)	11/02/18	22.9	1,154	6.98	---	---	---
MW-13D (89 - 129)	01/28/19	20.3	1,165	7.05	---	---	---
MW-13D (89 - 129)	07/02/19	27.0	1,281	6.90	---	---	---
MW-13D (89 - 129)	01/16/20	23.1	1,214	7.12	---	---	---

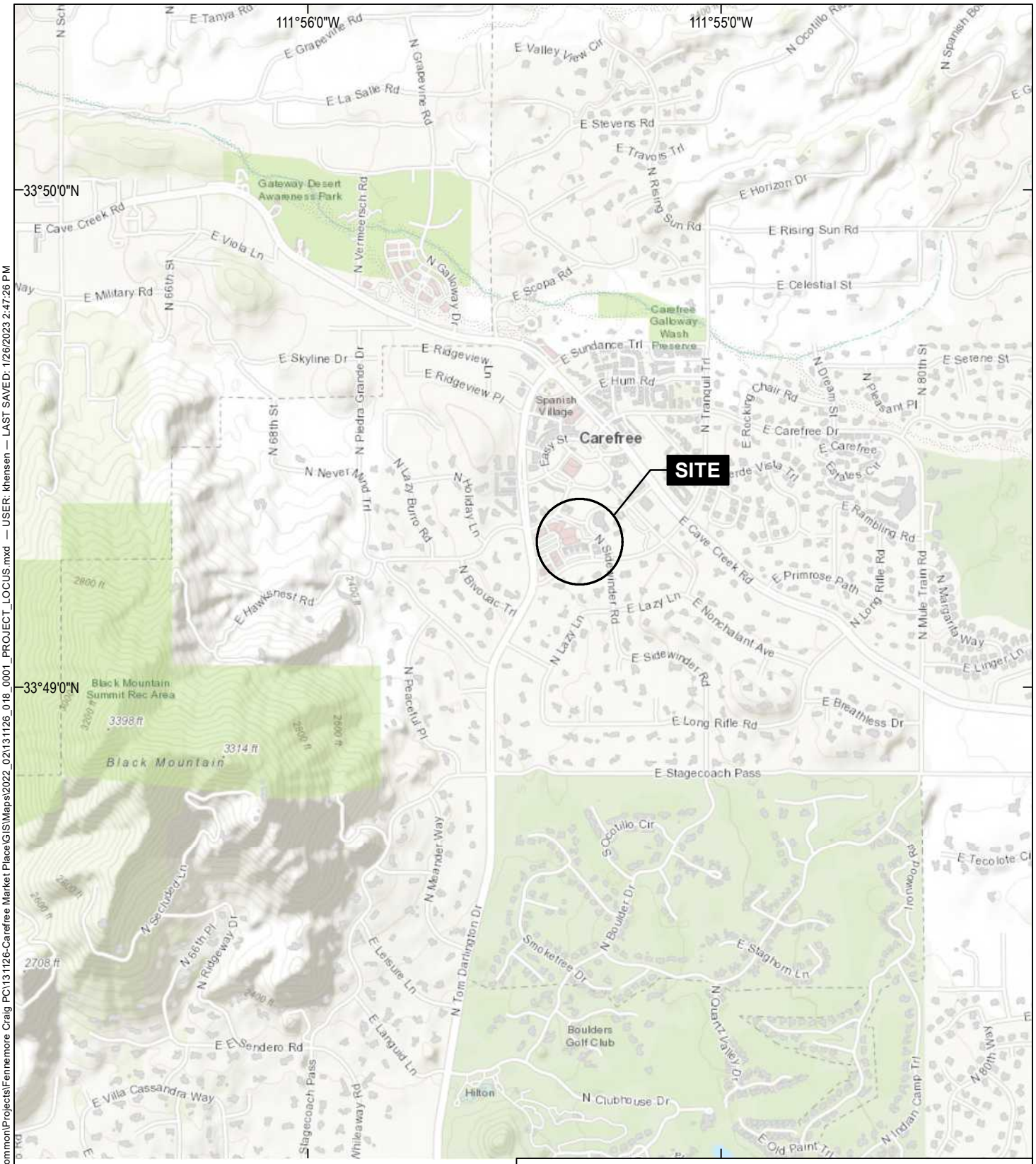
TABLE V
GROUNDWATER FIELD PARAMETER RESULTS
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

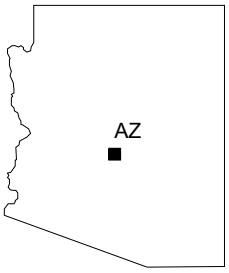
Well ID	Sample Date	Temperature (°C)	Conductivity (µS/cm)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Sodium Persulfate Reagent (mg/L)
MW-13D (89 - 129)	04/28/20	26.7	1,380	7.10	2.62	-151.4	---
MW-13D (89 - 129)	04/30/20	---	---	---	---	---	NOD
MW-13D (89 - 129)	07/08/20	29.5	1,390	7.32	5.68	-86.7	NOD
MW-13D (89 - 129)	10/08/20	27.5	1,406	6.99	5.04	-239.6	NOD
MW-13D (89 - 129)	01/07/21	22.0	1,204	7.32	1.54	-262.2	0.1
MW-13D (89 - 129)	07/01/21	28.2	1,113	7.53	NR	165.1	NOD
MW-13D (89 - 129)	10/04/21	26.6	534	7.26	2.08	-33.7	NOD
MW-13D (89 - 129)	01/07/22	18.2	597	7.20	4.03	92.3	---
MW-13D (89 - 129)	07/01/22	25.7	1,134	7.14	6.37	-128.8	---
MW-13D (89 - 129)	12/02/22	20.16	955	7.18	1.70	-36.4	NOD
MW-13D (89 - 129)	01/09/23	23.59	1,198	7.03	1.28	-145.7	NOD
MW-14S (34 - 54)	10/11/18	---	1,005	6.95	---	---	---
MW-14S (34 - 54)	01/28/19	21.6	1,289	6.79	---	---	---
MW-14S (34 - 54)	07/02/19	25.5	1,386	6.63	---	---	---
MW-14S (34 - 54)	01/16/20	22.3	1,617	6.93	---	---	---
MW-14S (34 - 54)	07/08/20	28.4	1,647	7.16	---	---	---
MW-14S (34 - 54)	01/07/21	20.6	1,426	7.21	5.11	-212.0	0.1
MW-14S (34 - 54)	07/02/21	25.9	1,319	7.09	NR	104.3	NOD
MW-14S (34 - 54)	10/04/21	25.7	1,294	7.22	5.10	210.0	NOD
MW-14S (34 - 54)	01/06/22	21.5	1,206	6.73	5.70	171.0	---
MW-14S (34 - 54)	07/01/22	25.5	1,274	6.86	6.80	172.7	---
MW-14S (34 - 54)	12/02/22	20.79	1,041	6.72	5.30	176.9	1.0
MW-14S (34 - 54)	01/09/23	21.57	1,330	6.80	5.69	92.2	NOD
MW-15S (40 - 60)	10/07/22	16.1	1,188	7.11	---	---	---
MW-15S (40 - 60)	12/02/22	21.81	1,230	7.06	1.86	18.9	NOD
MW-15S (40 - 60)	01/09/23	23.39	541	9.44	3.27	-57.4	NOD
Carefree Water Co. Well #2	01/28/19	---	---	---	---	---	---
Carefree Water Co. Well #2	07/02/19	26.7	467	6.32	---	---	---
Carefree Water Co. Well #2	01/13/20	---	---	---	---	---	---
Carefree Water Co. Well #2	07/07/20	26.7	449	6.39	---	---	---
Carefree Water Co. Well #2	01/12/21	---	---	---	---	---	---
Carefree Water Co. Well #2	07/01/21	27.0	451	5.85	---	---	---
Carefree Water Co. Well #2	01/21/22	---	---	---	---	---	---
Carefree Water Co. Well #2	07/01/22	---	---	---	---	---	---
Carefree Water Co. Well #2	12/02/22	---	---	---	---	---	---

Notes:

MW-1 (13 - 23) = well ID with screen interval in feet below ground surface
--- = not measured
°C = degrees Celsius
µS/cm = micro siemens per centimeter
mg/L = milligrams per liter
mV = millivolts
NOD = no observable detection
NR = not reported, dissolved oxygen field measurement beyond practical limit due to field instrumentation interference

FIGURES





MAP SOURCE: ESRI
SITE COORDINATES: 03°49'16"N, 111°55'24"W

HALEY ALDRICH

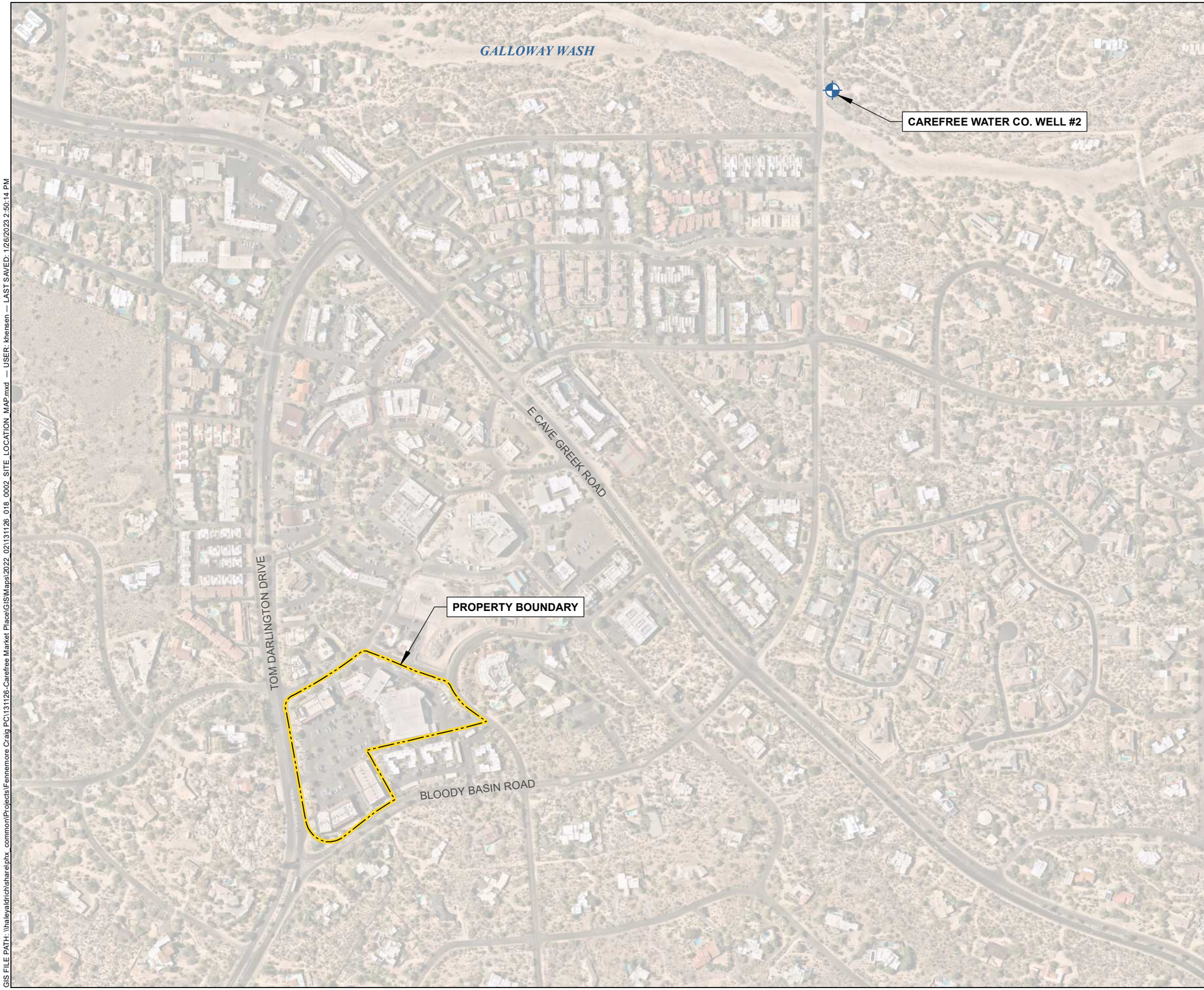
FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
FEBRUARY 2023

FIGURE 1

GIS FILE PATH: \\haleyaldrich\share\phx_common\Projects\Fennemore Craig PC\131126-Carefree Market Place\GIS\Maps\2022_02\131126_018_0001_PROJECT_LOCUS.mxd — USER: khensen — LAST SAVED: 1/26/2023 2:47:26 PM



LEGEND

CAREFREE WATER CO. WELL #2

SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 27 MAY 2021

N

0 400 800

SCALE IN FEET

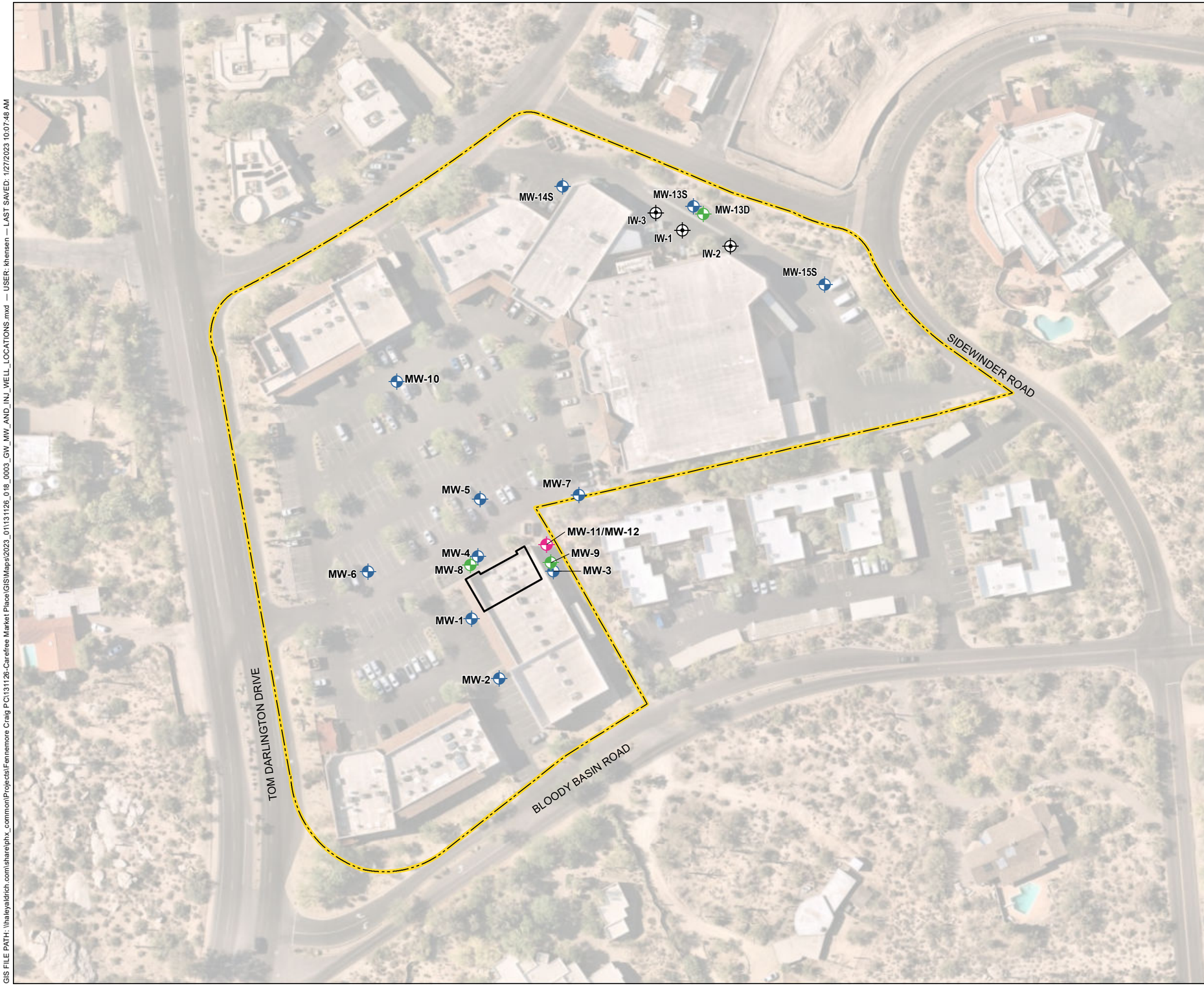
HALEY ALDRICH

FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

SITE LOCATION MAP

FEBRUARY 2023

FIGURE 2



LEGEND

- INJECTION WELL
- SHALLOW GROUNDWATER MONITORING WELL
- DEEP GROUNDWATER MONITORING WELL
- SHALLOW/DEEP NESTED GROUNDWATER MONITORING WELL
- FORMER CAREFREE CLEANERS
- APPROXIMATE SITE BOUNDARY

NOTES

1. ALL LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 27 MAY 2021

N

0 100 200
SCALE IN FEET

HALEY ALDRICH

FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

GROUNDWATER MONITORING
AND INJECTION WELL LOCATIONS

FEBRUARY 2023

FIGURE 3

LEGEND

- INJECTION WELL
- SHALLOW GROUNDWATER MONITORING WELL
- DEEP GROUNDWATER MONITORING WELL
- SHALLOW/DEEP GROUNDWATER MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR, 5-FT INTERVAL
- FORMER CAREFREE CLEANERS
- SITE BOUNDARY
- MW-1 (13' - 23') / 2346.55 — WELL IDENTIFICATION (SCREENED INTERVAL) GROUNDWATER ELEVATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ELEVATIONS ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

3. AERIAL IMAGERY SOURCE: NEARMAP, 21 MAY 2022

N

0 100 200
SCALE IN FEET

HALEY ALDRICH

FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

SHALLOW GROUNDWATER
ELEVATION MAP, DECEMBER 2022

FEBRUARY 2023

FIGURE 4

GIS FILE PATH: G:\Projects\Fennemore Craig PC\131126-Carefree Market Place\GIS\Maps\2023_01\131126_014_0004_SHALLOW_GW_ELEVATION_MAP_DECEMBER_2022.mxd — USER: khensen — LAST SAVED: 1/30/2023 1:46:14 PM

LEGEND

- INJECTION WELL
- SHALLOW GROUNDWATER MONITORING WELL
- DEEP GROUNDWATER MONITORING WELL
- SHALLOW/DEEP GROUNDWATER MONITORING WELL
- GROUNDWATER ELEVATION CONTOUR, 5-FT INTERVAL
- FORMER CAREFREE CLEANERS
- SITE BOUNDARY
- MW-1 (13' - 23') / 2346.55 — WELL IDENTIFICATION (SCREENED INTERVAL) GROUNDWATER ELEVATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ELEVATIONS ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

3. AERIAL IMAGERY SOURCE: NEARMAP, 21 MAY 2022

N

0 100 200
SCALE IN FEET

HALEY ALDRICH

FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

SHALLOW GROUNDWATER
ELEVATION MAP, JANUARY 2023

FEBRUARY 2023

FIGURE 5

GIS FILE PATH: G:\Projects\Fennemore Craig PC\131126-Carefree Market Place\GIS\Maps\2023_01\131126_014_0005_SHALLOW_GW_ELEVATION_MAP_JANUARY_2023.mxd — USER: khensen — LAST SAVED: 1/30/2023 1:54:09 PM

LEGEND

- INJECTION WELL
- SHALLOW GROUNDWATER MONITORING WELL
- DEEP GROUNDWATER MONITORING WELL
- 100 — SHALLOW/DEEP GROUNDWATER MONITORING WELL
- LINE OF EQUAL PCE CONCENTRATION IN GROUNDWATER (DASHED WHERE INFERRED)

PCE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)

- NON DETECT (ND) <5
- 5 TO 10
- 10 T0 100
- >100
- FORMER CAREFREE CLEANERS
- SITE BOUNDARY
- MW-1 (13' - 23') / PCE: <1.0 — WELL IDENTIFICATION (SCREENED INTERVAL) PCE CONCENTRATION IN MICROGRAMS PER LITER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. JANUARY 2023 RESULTS SHOWN.

3. DEFINTIONS/ABBREVIATIONS:
< = LESS THAN LABORATORY REPORTING LIMIT
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHNE
µg/L = MICROGRAMS PER LITER

4. AERIAL IMAGERY SOURCE: NEARMAP, 21 MAY 2022

N

0 100 200
SCALE IN FEET

HALEY ALDRICH

FORMER CAREFREE CLEANERS
36889 NORTH TOM DARLINGTON DRIVE
CAREFREE, ARIZONA

PCE CONCENTRATIONS IN SHALLOW GROUNDWATER, JANUARY 2023

FEBRUARY 2023

FIGURE 6

CHARTS

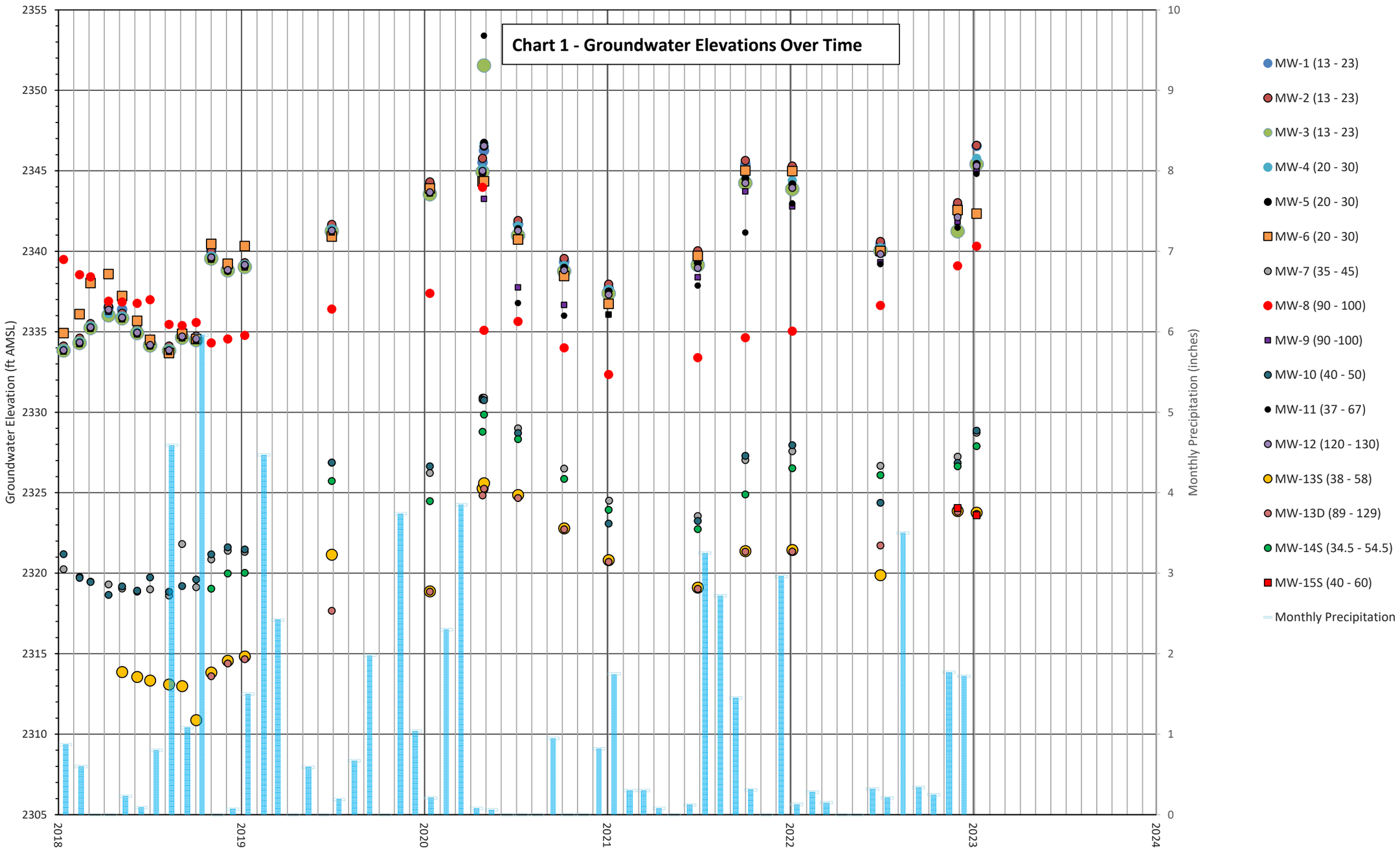


Chart 1 - Groundwater Elevations Over Time
Groundwater Elevation (ft AMSL)
Monthly Precipitation (inches)
2355
2350
2345
2340
2335
2330
2325
2320
2315
2310
2305
10
9
8
7
6
5
4
3
2
1
0
2018
2019
2020
2021
2022
2023
2024
MW-1 (13 - 23)
MW-2 (13 - 23)
MW-3 (13 - 23)
MW-4 (20 - 30)
MW-5 (20 - 30)
MW-6 (20 - 30)
MW-7 (35 - 45)
MW-8 (90 - 100)
MW-9 (90 -100)
MW-10 (40 - 50)
MW-11 (37 - 67)
MW-12 (120 - 130)
MW-13S (38 - 58)
MW-13D (89 - 129)
MW-14S (34.5 - 54.5)
MW-15S (40 - 60)
Monthly Precipitation

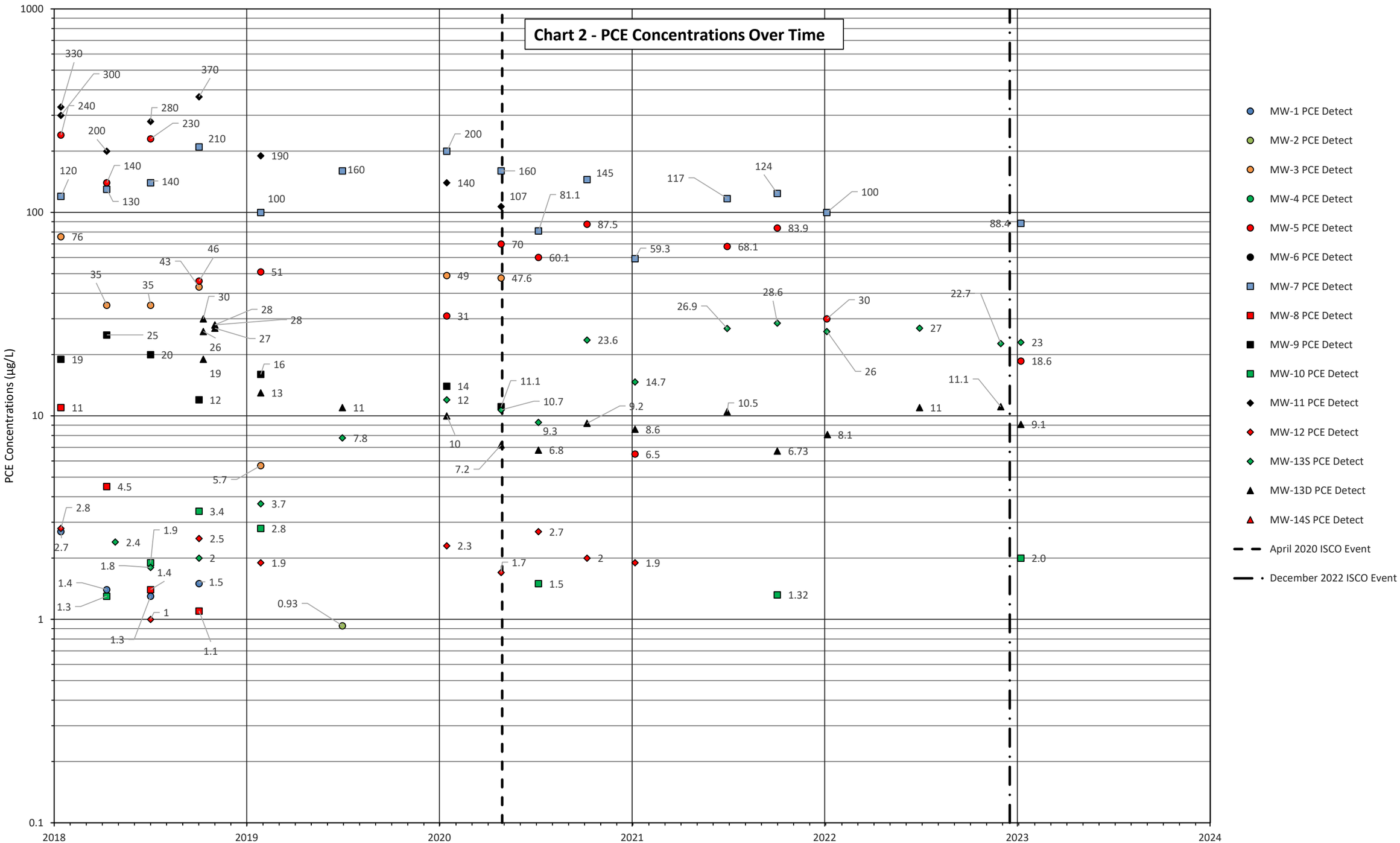
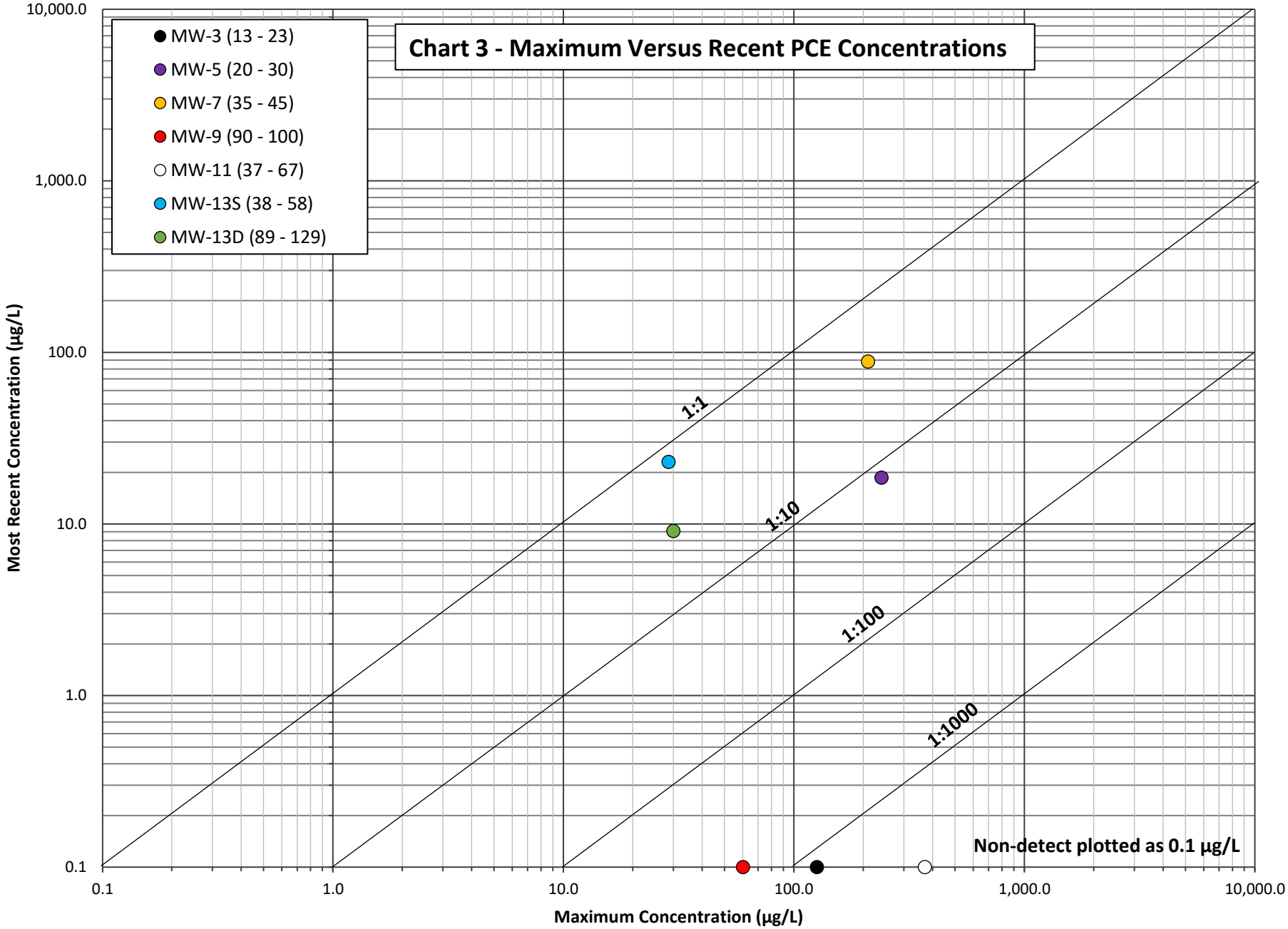


Chart 2 - PCE Concentrations Over Time
PCE Concentrations (µg/L)
1000
100
10
1
0.1
2018
2019
2020
2021
2022
2023
2024
MW-1 PCE Detect
MW-2 PCE Detect
MW-3 PCE Detect
MW-4 PCE Detect
MW-5 PCE Detect
MW-6 PCE Detect
MW-7 PCE Detect
MW-8 PCE Detect
MW-9 PCE Detect
MW-10 PCE Detect
MW-11 PCE Detect
MW-12 PCE Detect
MW-13S PCE Detect
MW-13D PCE Detect
MW-14S PCE Detect
April 2020 ISCO Event
December 2022 ISCO Event



HALEY ALDRICH

FEBRUARY 2023

APPENDIX A
MW-15S As-Built and Lithology Log

GROUNDWATER OBSERVATION WELL INSTALLATION REPORT

HALEY ALDRICH

Well No. MW-15S
Boring No. MW-15S

Project: Carefree Marketplace
Location: Carefree, AZ
Client: Fennemore Craig
Contractor: Resilient Drilling
Driller: Resilient Drilling

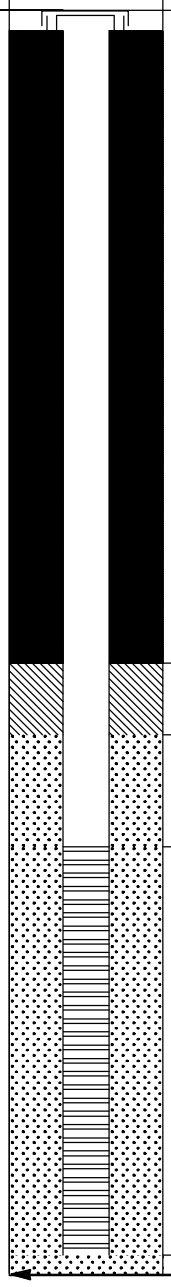
Initial Water Level (depth bgs): 40.0 ft

Well Diagram
- Riser Pipe
- Screen
- Filter Sand
- Cuttings
- Grout
- Concrete
- Bentonite Seal

File No. 131126
Date Installed: 4 Oct 2022
H&A Rep.: S. Schutter
Location: See Plan

Ground El.: 2358.47
Datum: NAVD88

SOIL/ROCK CONDITIONS	DEPTH (ft.)	GRAPHIC	WELL DETAILS	DEPTH (ft.)	ELEVATION (ft.)
				0.0	2358.47
WEATHERED GRANITE	3.0				
COMPETENT GRANITE				31.0	2327.47
				34.5	2324.97
				40.0	2318.47
				60.0	2298.47
	61.0			61.0	2297.47



WELL CONSTRUCTION DETAILS

Type of protective cover	Flush Mount
Depth of Roadway Box below ground surface	0.0 ft
Depth of top of riser below ground surface	0.0 ft
Type of protective casing	Roadway Box
Length	1.5 ft
Inside diameter	12.0 in.
Depth of bottom of Roadway Box	1.5 ft
Type of riser pipe	Schedule 40 PVC
Inside diameter of riser pipe	2.0 in.
Depth of bottom of riser pipe	40.0 ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	30.0
Bentonite	30.0	4.5
	-	-

Diameter of borehole	6.0 in.
Depth to top of well screen	40.0 ft
Type of screen	Machine slotted Sch 40 PVC
Screen gauge or size of openings	0.020 in.
Diameter of screen	2.0 in.
Type of Backfill around Screen	8-12 Silica Sand
Depth to bottom of well screen	60 ft
Bottom of silt trap	-
Depth of bottom of borehole	61.0 ft

COMMENTS:

APPENDIX B
Geophysical Log

Southwest Exploration Services, LLC

borehole geophysics & video services

COMPANY	HALEY & ALDRICH
WELL ID	MW-15S
FIELD	CAREFREE
COUNTY	MARICOPA STATE ARIZONA

TYPE OF LOGS: OPTICAL TELEVIEWER
MORE: GAMMA - CALIPER

LOCATION

SEC TWP RGE

OTHER SERVICES
TEMPERATURE
FLUID CONDUCTIVITY
ACOUSTIC TELEVIEWER

PERMANENT DATUM	ELEVATION	K.B.
LOG MEAS. FROM	ABOVE PERM. DATUM	D.F.
DRILLING MEAS. FROM		G.L.

DATE	10-3-2022	TYPE FLUID IN HOLE	FORMATION WATER
RUN No	1 & 2	MUD WEIGHT	N/A
TYPE LOG	OPTICAL TELEVIEWER	VISCOSITY	N/A
DEPTH-DRILLER	61 FT	LEVEL	~ 35 FT
DEPTH-LOGGER	61 FT	MAX. REC. TEMP.	30.86 DEG C
BTM LOGGED INTERVAL	61 FT	IMAGE ORIENTED TO:	NORTH MAGNETIC
TOP LOGGED INTERVAL	SURFACE	SAMPLE INTERVAL	0.035 FT
DRILLER / RIG#	RESILIENT DRILLING	LOGGING TRUCK	TRUCK #900
RECORDED BY / Logging Eng.	M. QUINONES	TOOL STRING/SN	ALT QL OBI40 2G N 152511
WITNESSED BY	SYLIVIA - H & A	LOG TIME:ON SITE/OFF SITE	9:15 AM

RUN	BOREHOLE RECORD			CASING RECORD			
NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
1	? IN.	SRUFACE	10 FT	6 IN.	STEEL	SURFACE	10 FT
2	? IN.	10 FT	TOTAL DEPTH				
3							

COMMENTS:

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Tool Summary:

Date	10-3-2022	**Date**	10-3-2022	**Date**	10-3-2022		
Run No.	1	**Run No.**	2	**Run No.**	3		
Tool Model	QL COMBO TOOL	**Tool Model**	ALT QL OBI40 2G	**Tool Model**	ALT QL ABI40 2G		
Tool SN	6969	**Tool SN**	152511	**Tool SN**	213104		
From	SURFACE	**From**	10 FT	**From**	35 FT		
To	61 FT	**To**	61 FT	**To**	61 FT		
Recorded By	M. QUINONES	**Recorded By**	M. QUINONES	**Recorded By**	M. QUINONES		
Truck No	900	**Truck No**	900	**Truck No**	900		
Operation Check	10-3-2022	**Operation Check**	10-3-2022	**Operation Check**	10-3-2022		
Calibration Check	10-3-2022	**Calibration Check**	N/A	**Calibration Check**	N/A		
Time Logged	9:35 AM	**Time Logged**	10:05 AM	**Time Logged**	10:30 AM		

Date		**Date**		**Date**			
Run No.	4	**Run No.**	5	**Run No.**	6		
Tool Model		**Tool Model**		**Tool Model**			
Tool SN		**Tool SN**		**Tool SN**			
From		**From**		**From**			
To		**To**		**To**			
Recorded By		**Recorded By**		**Recorded By**			
Truck No		**Truck No**		**Truck No**			
Operation Check		**Operation Check**		**Operation Check**			
Calibration Check		**Calibration Check**		**Calibration Check**			
Time Logged		**Time Logged**		**Time Logged**			

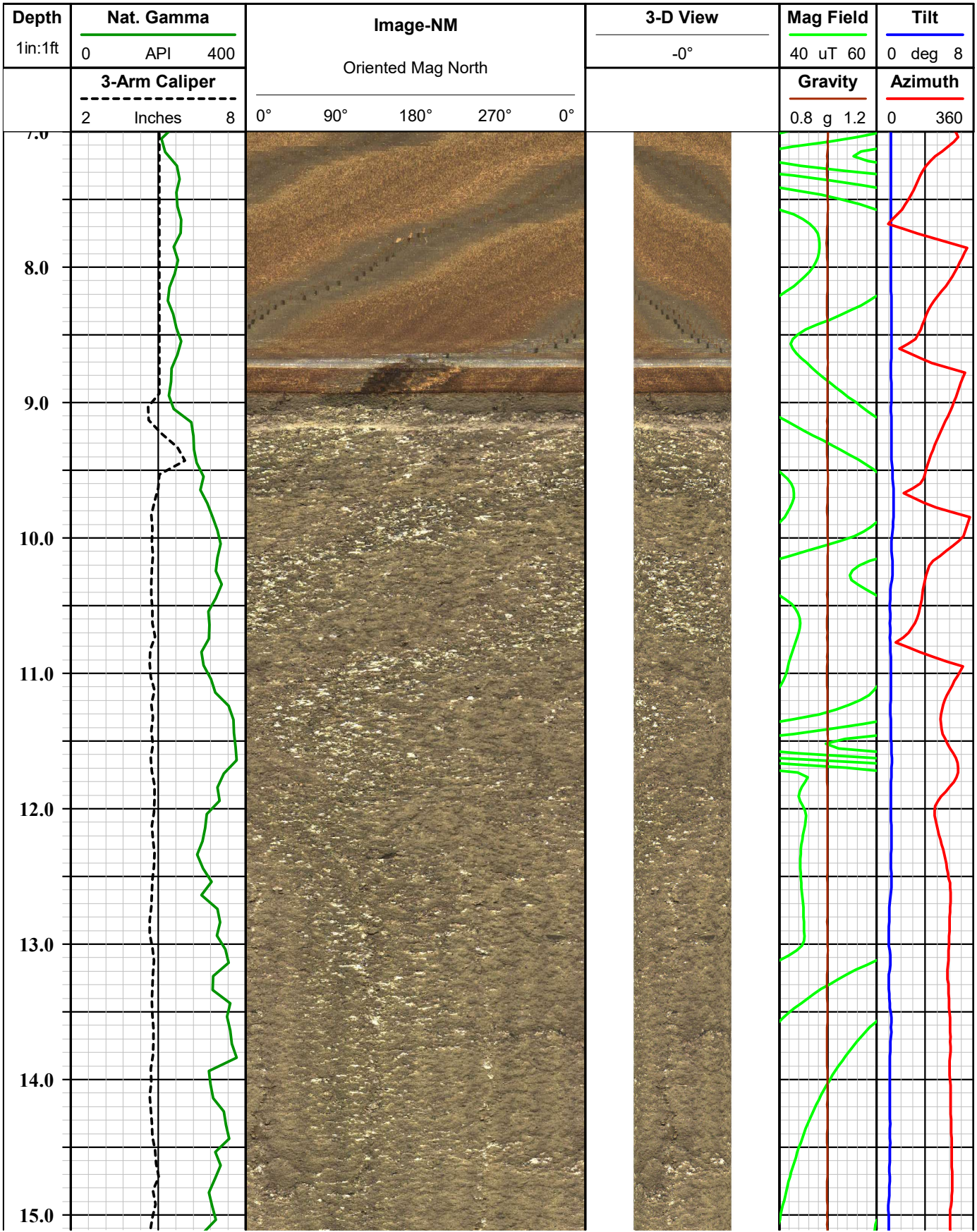
Additional Comments:

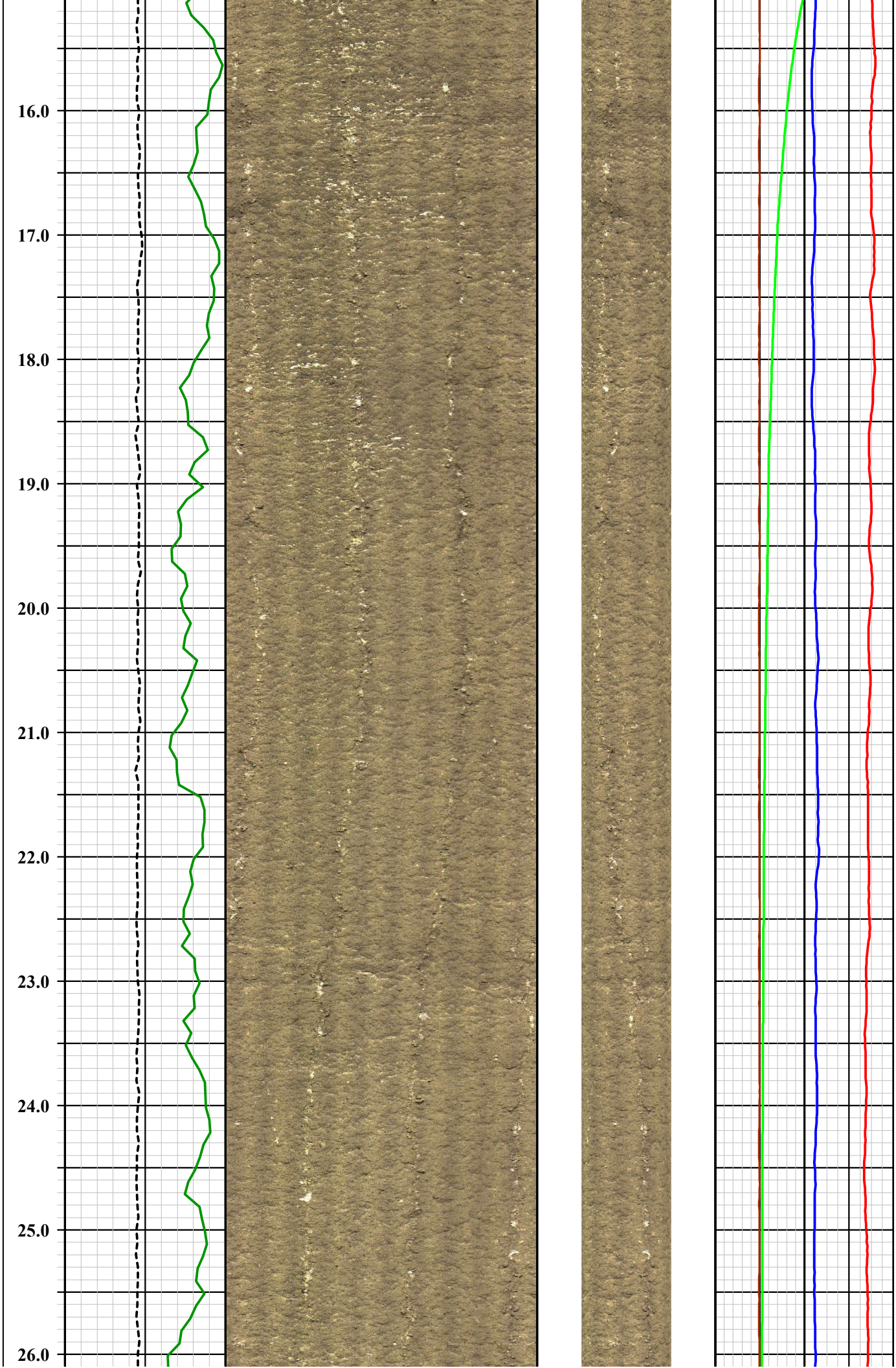
Caliper Arms Used: 3 IN. **Calibration Points:** 4 IN. & 6 IN.

E-Log Calibration Range: N/A **Calibration Points:** N/A

Disclaimer:

All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretations or recommendations and shall not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our employees or agents. These interpretations are also subject to our general terms and conditions set out in our current Service Invoice.

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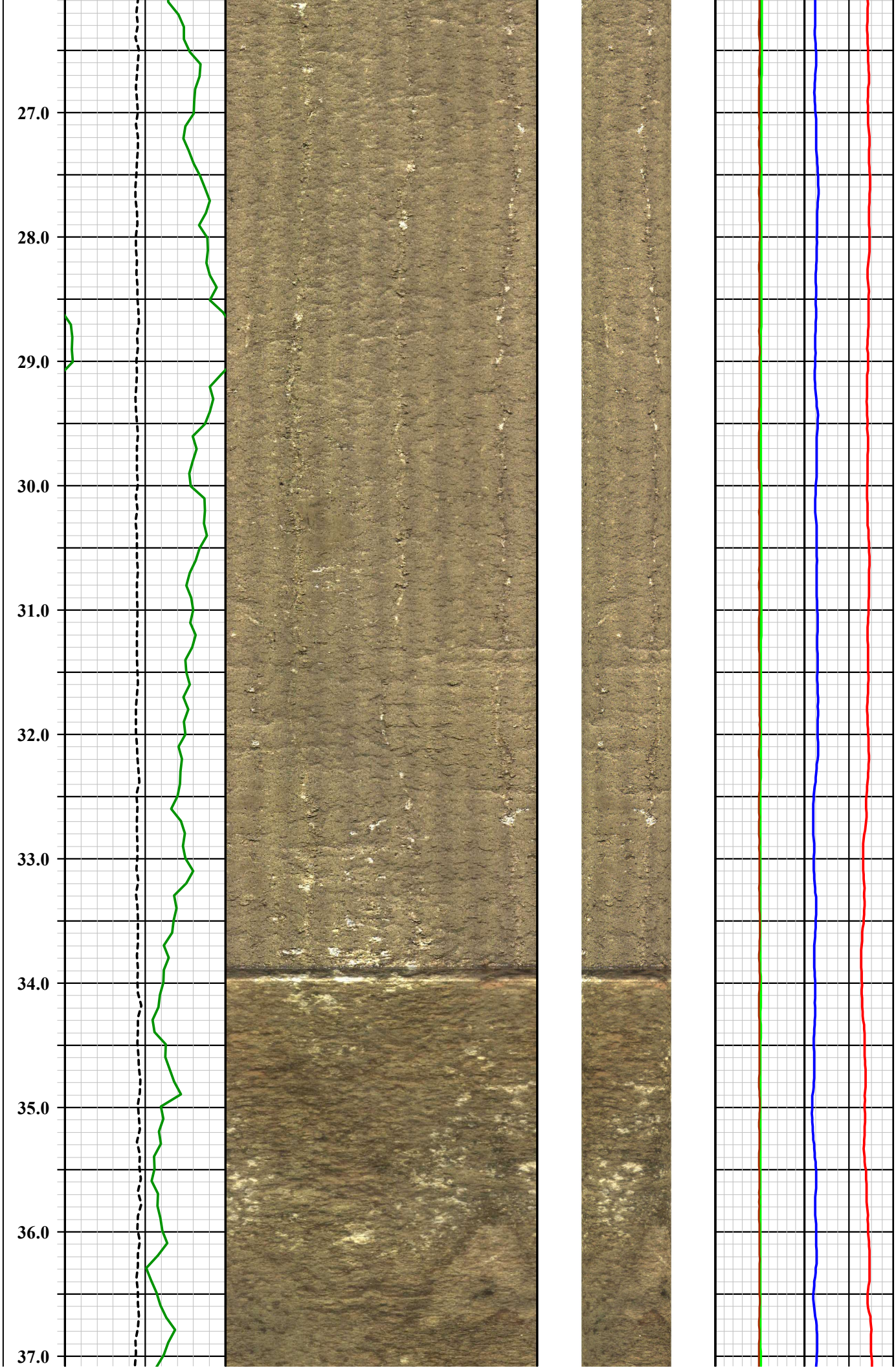
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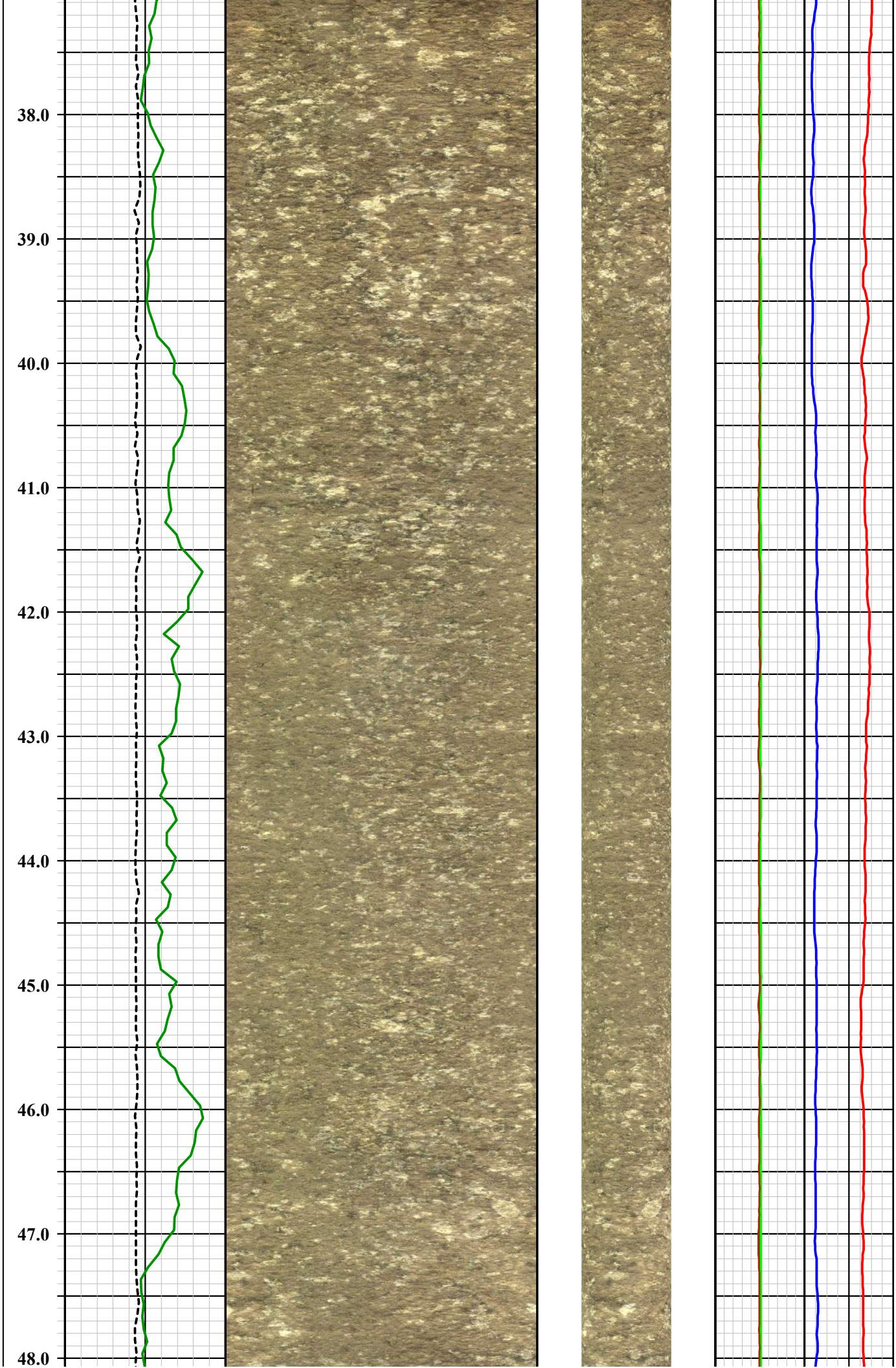
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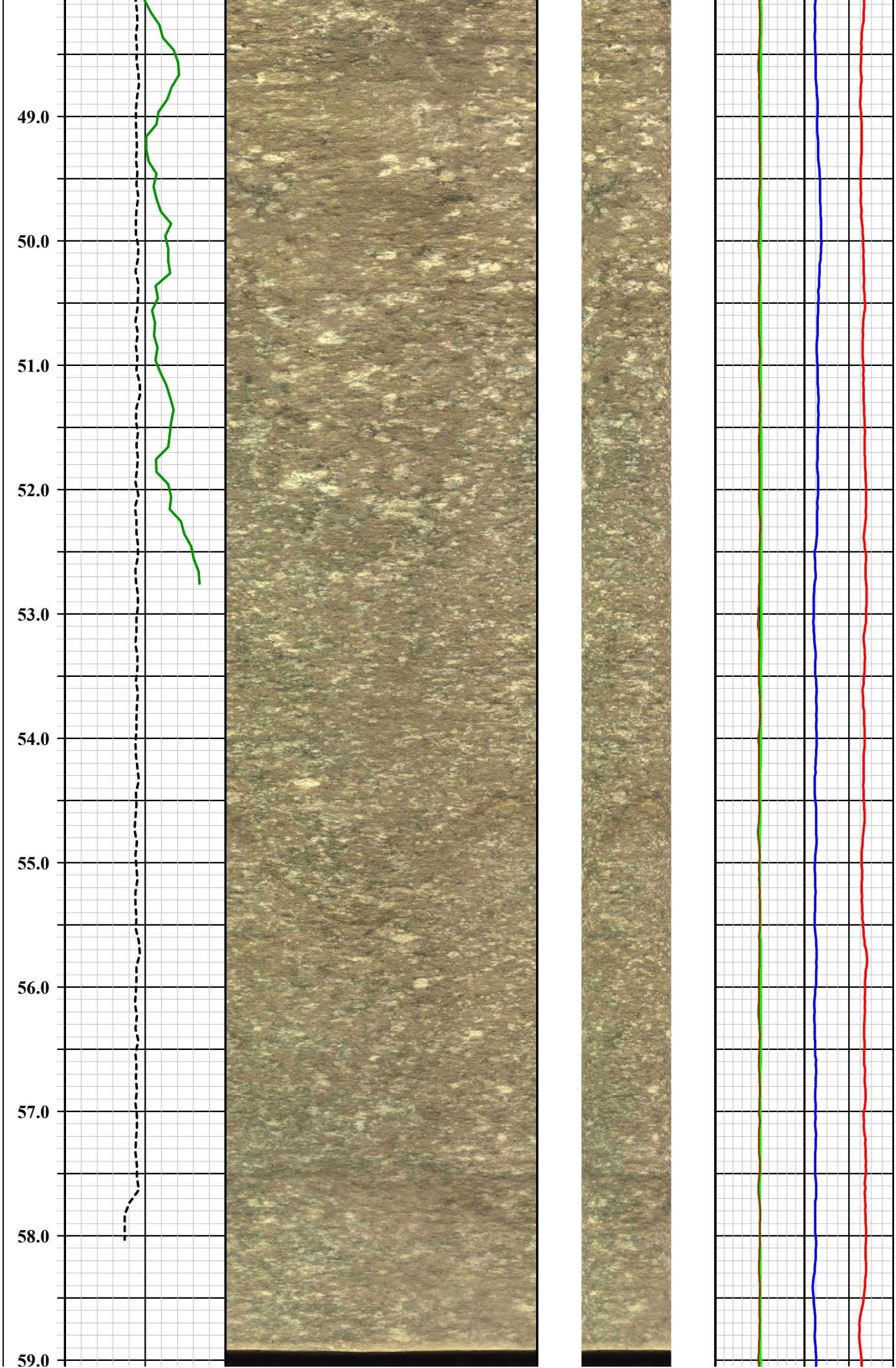
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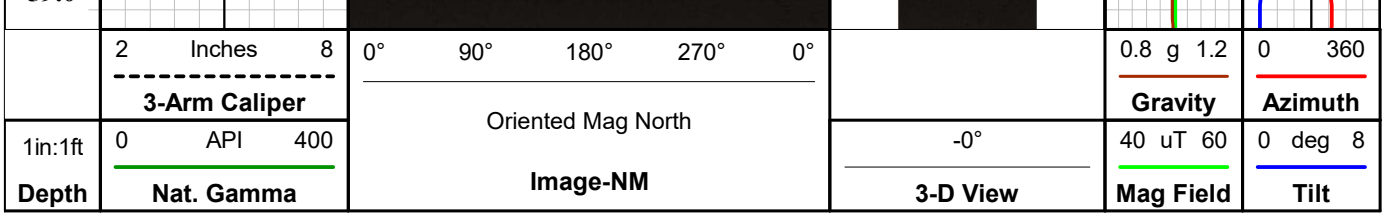


QL OBI-40 2G Optical Borehole Imager

Probe Top = Depth Ref.

Tool SN: 145010, 152511 & 170106

Four Conductor MSI Probe Top

APS Probe Orientation Sensor
3-Axis Magnetometer
3 Accelerometer

Probe Length = 1.66 m or 5.46 ft

Probe Weight = 5.3 kg or 11.7 lbs

Distance from Optical Image Window to Orientation Sensor = 0.9 m or 3 ft

Inclination Accuracy = +/- 0.5 deg
Azimuth Accuracy = +/- 1.0 deg

Temperature Range: 0 - 70 Deg C (32 - 158 Deg F)
Pressure Range: 0 - 200 bar (0 - 2900 psi)

External Bow Spring Centralizers

Operates in dry or clear water conditions.

OBI Imaging Window

1.6" or 40 mm Diameter

QL Gamma-Caliper-Temperature-Fluid Conductivity

Probe Top = Depth Ref.

Tool SN: 5613, 5979, 6161, 6292, 6517, 6587, 6641 & 6798

Four Conductor MSI Probe Top

Probe Length = 3.69 m or 12.12 ft
Probe Weight = 18.195 kg or 40.11 lbs

Caliper arms can only collect data logging up hole

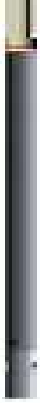
Fluid Temperature/Conductivity and Natural Gamma can be collected logging up and down hole

Temperature Rating: 80 Deg C (176 Deg F)
Pressure Rating: 200 bar (2900 psi)

Natural Gamma Ray = 1.07 m (42.12 in)

3-Arm Caliper = 1.78 m (70.27 in)

Available Arm Sizes: 3", 9", and 15"



FTC (Fluid Temperature/Conductivity) = 0.78 m (30.71 in)

1.57" or 40.0 mm Diameter

Southwest Exploration Services, LLC

borehole geophysics & video services

Company	HALEY & ALDRICH
Well	MW-15S
Field	CAREFREE
County	MARICOPA
State	ARIZONA

Preliminary OPTICAL TELEVIEWER SUMMARY

APPENDIX C
Analytical Laboratory Reports

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

4620 East Elwood Street, Suite 4 Phoenix, AZ
85040

(480) 736-0960

Laboratory Certification (ELAP) No.:AZ0558, AZ0646
Expiration Date: 2023

Laboratory Director's Name:
Mark Noorani

Client:	Haley & Aldrich, Inc.
Laboratory Reference:	HAI AZ13719
Project Name:	Carefree Marketplace MW-15S
Project Number:	131126-018
Date Received:	10/7/2022
Date Reported:	10/7/2022
Chain of Custody Received:	☑
Analytical Method:	8260B,

Mark Noorani, Laboratory Director

 Rev1.0

Mr. Pejman Eshraghi
Haley & Aldrich, Inc.
400 E. Van Buren St Ste 545
Phoenix, AZ, 85004

Lab Reference #: HAI AZ13719
Project Name: Carefree Marketplace MW-15S
Project #: 131126-018

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 8.9ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Pejman Eshraghi
Haley & Aldrich, Inc.
400 E. Van Buren St Ste 545
Phoenix, AZ, 85004

Lab Reference #: HAI AZ13719
Project Name: Carefree Marketplace MW-15S
Project #: 131126-018

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
MW-15S-100722	AZ13719-001	10/7/2022	10/7/2022	Water
Trip Blank	AZ13719-002	10/7/2022		Water

Mr. Pejman Eshraghi
Haley & Aldrich, Inc.
400 E. Van Buren St Ste 545
Phoenix, AZ, 85004

Lab Reference #: HAI AZ13719
Project Name: Carefree Marketplace MW-15S
Project #: 131126-018

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
MW-15S-100722	AZ13719-001	10/7/2022 8:38	10/7/2022 7:10	10/7/2022 10:30	10/7/2022 12:05	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
Acetone	67-64-1	<5.0	Hexachlorobutadiene	87-68-3	<0.50
Benzene	71-43-2	<0.50	2-Hexanone	591-78-6	<5.0
Bromobenzene	108-86-1	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromochloromethane	74-97-5	<0.50	4-Isopropyltoluene	99-87-6	<0.50
Bromodichloromethane	75-27-4	<0.50	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
Bromoform	75-25-2	<0.50	4-Methyl-2-pentanone	108-10-1	<5.0
Bromomethane	74-83-9	<5.0	Naphthalene	91-20-3	<0.50
2-Butanone	78-93-3	<5.0	n-Propylbenzene	103-65-1	<0.50
n-Butylbenzene	104-51-8	<0.50	Styrene	100-42-5	<0.50
sec-Butylbenzene	135-98-8	<0.50	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
tert-Butylbenzene	98-06-6	<0.50	Tetrachloroethene	127-18-4	3.9
Carbon tetrachloride	56-23-5	<0.50	Toluene	108-88-3	<0.50
Chlorobenzene	108-90-7	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
Chlorodibromomethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2-Trichloroethane	79-00-5	<0.50
Chloroform	67-66-3	<0.50	Trichloroethene	79-01-6	<0.50
Chloromethane	74-87-3	<5.0	Trichlorofluoromethane	75-69-4	<2.0
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,2-Dibromoethane	106-93-4	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
1,2-Dichlorobenzene	95-50-1	<0.50	Vinyl acetate	108-05-4	<2.5
1,3-Dichlorobenzene	541-73-1	<0.50	Vinyl chloride	75-01-4	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	m- & p-Xylenes	179601-23-1	<1.0
1,1-Dichloroethane	75-34-3	<0.50	o-Xylene	95-47-6	<0.50
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			
trans-1,3-Dichloropropene	10061-02-6	<0.50			
Dichlorodifluoromethane	75-71-8	<2.0			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
Ethylbenzene	100-41-4	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	104	63-130 %
Toluene-d8:	98	48-134 %
4-Bromofluorobenzene:	96	43-138 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Pejman Eshraghi
Haley & Aldrich, Inc.
400 E. Van Buren St Ste 545
Phoenix, AZ, 85004

Lab Reference #: HAI AZ13719
Project Name: Carefree Marketplace MW-15S
Project #: 131126-018

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Trip Blank	AZ13719-002	10/7/2022 8:38		10/7/2022 9:27	10/7/2022 13:17	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
Acetone	67-64-1	<5.0	Hexachlorobutadiene	87-68-3	<0.50
Benzene	71-43-2	<0.50	2-Hexanone	591-78-6	<5.0
Bromobenzene	108-86-1	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromochloromethane	74-97-5	<0.50	4-Isopropyltoluene	99-87-6	<0.50
Bromodichloromethane	75-27-4	<0.50	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
Bromoform	75-25-2	<0.50	4-Methyl-2-pentanone	108-10-1	<5.0
Bromomethane	74-83-9	<5.0	Naphthalene	91-20-3	<0.50
2-Butanone	78-93-3	<5.0	n-Propylbenzene	103-65-1	<0.50
n-Butylbenzene	104-51-8	<0.50	Styrene	100-42-5	<0.50
sec-Butylbenzene	135-98-8	<0.50	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
tert-Butylbenzene	98-06-6	<0.50	Tetrachloroethene	127-18-4	<0.50
Carbon tetrachloride	56-23-5	<0.50	Toluene	108-88-3	<0.50
Chlorobenzene	108-90-7	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
Chlorodibromomethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2-Trichloroethane	79-00-5	<0.50
Chloroform	67-66-3	<0.50	Trichloroethene	79-01-6	<0.50
Chloromethane	74-87-3	<5.0	Trichlorofluoromethane	75-69-4	<2.0
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,2-Dibromoethane	106-93-4	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
1,2-Dichlorobenzene	95-50-1	<0.50	Vinyl acetate	108-05-4	<2.5
1,3-Dichlorobenzene	541-73-1	<0.50	Vinyl chloride	75-01-4	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	m- & p-Xylenes	179601-23-1	<1.0
1,1-Dichloroethane	75-34-3	<0.50	o-Xylene	95-47-6	<0.50
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			
trans-1,3-Dichloropropene	10061-02-6	<0.50			
Dichlorodifluoromethane	75-71-8	<2.0			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
Ethylbenzene	100-41-4	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	103	63-130 %
Toluene-d8:	104	48-134 %
4-Bromofluorobenzene:	102	43-138 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Pejman Eshraghi
Haley & Aldrich, Inc.
400 E. Van Buren St Ste 545
Phoenix, AZ, 85004

Lab Reference #: HAI AZ13719
Project Name: Carefree Marketplace MW-15S
Project #: 131126-018

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBTP1007221			10/7/2022 9:46	10/7/2022 10:55	Water

ANALYTE	CAS #	µg/L	ANALYTE	CAS #	µg/L
Acetone	67-64-1	<5.0	Hexachlorobutadiene	87-68-3	<0.50
Benzene	71-43-2	<0.50	2-Hexanone	591-78-6	<5.0
Bromobenzene	108-86-1	<0.50	Isopropylbenzene	98-82-8	<0.50
Bromochloromethane	74-97-5	<0.50	4-Isopropyltoluene	99-87-6	<0.50
Bromodichloromethane	75-27-4	<0.50	Methyl t-butyl ether (MTBE)	1634-04-4	<1.0
Bromoform	75-25-2	<0.50	4-Methyl-2-pentanone	108-10-1	<5.0
Bromomethane	74-83-9	<5.0	Naphthalene	91-20-3	<0.50
2-Butanone	78-93-3	<5.0	n-Propylbenzene	103-65-1	<0.50
n-Butylbenzene	104-51-8	<0.50	Styrene	100-42-5	<0.50
sec-Butylbenzene	135-98-8	<0.50	1,1,2,2-Tetrachloroethane	79-34-5	<0.50
tert-Butylbenzene	98-06-6	<0.50	Tetrachloroethene	127-18-4	<0.50
Carbon tetrachloride	56-23-5	<0.50	Toluene	108-88-3	<0.50
Chlorobenzene	108-90-7	<0.50	1,2,3-Trichlorobenzene	87-61-6	<0.50
Chlorodibromomethane	124-48-1	<0.50	1,1,1-Trichloroethane	71-55-6	<0.50
Chloroethane	75-00-3	<5.0	1,1,2-Trichloroethane	79-00-5	<0.50
Chloroform	67-66-3	<0.50	Trichloroethene	79-01-6	<0.50
Chloromethane	74-87-3	<5.0	Trichlorofluoromethane	75-69-4	<2.0
2-Chlorotoluene	95-49-8	<0.50	1,2,3-Trichloropropane	96-18-4	<0.50
4-Chlorotoluene	106-43-4	<0.50	1,2,4-Trimethylbenzene	95-63-6	<0.50
1,2-Dibromoethane	106-93-4	<0.50	1,3,5-Trimethylbenzene	108-67-8	<0.50
1,2-Dichlorobenzene	95-50-1	<0.50	Vinyl acetate	108-05-4	<2.5
1,3-Dichlorobenzene	541-73-1	<0.50	Vinyl chloride	75-01-4	<0.50
1,4-Dichlorobenzene	106-46-7	<0.50	m- & p-Xylenes	179601-23-1	<1.0
1,1-Dichloroethane	75-34-3	<0.50	o-Xylene	95-47-6	<0.50
1,2-Dichloroethane	107-06-2	<0.50			
1,1-Dichloroethene	75-35-4	<0.50			
cis-1,2-Dichloroethene	156-59-2	<0.50			
trans-1,2-Dichloroethene	156-60-5	<0.50			
cis-1,3-Dichloropropene	10061-01-5	<0.50			
trans-1,3-Dichloropropene	10061-02-6	<0.50			
Dichlorodifluoromethane	75-71-8	<2.0			
1,2-Dichloropropane	78-87-5	<1.0			
1,3-Dichloropropane	142-28-9	<0.50			
2,2-Dichloropropane	594-20-7	<0.50			
1,1-Dichloropropene	563-58-6	<0.50			
Ethylbenzene	100-41-4	<0.50			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	100	63-130 %
Toluene-d8:	99	48-134 %
4-Bromofluorobenzene:	98	43-138 %

Dilution Factor: 1

Data Qualifiers: None

QA/QC Report
for
Volatile Organic Compounds (8260B)

Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 10/7/2022 12:03
Date of Analysis: 10/7/2022 12:29
Dup Date of Analysis: 10/7/2022 12:53
Laboratory Sample #: AZ13719-001
MS/MSD Qualifiers: None
Reference #: HAI AZ13719

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Benzene	0.00	10.0	9.96	10.4	100	104	4	70-144	20	--
Chlorobenzene	0.00	10.0	9.72	9.47	97	95	3	70-138	20	--
1,1-Dichloroethene	0.00	10.0	9.44	9.47	94	95	0	54-133	20	--
Toluene	0.00	10.0	9.35	9.19	94	92	2	70-137	20	--
Trichloroethene	0.00	10.0	10.7	10.2	107	102	5	70-136	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	103	105	☐	99	97	☐	63-130
Toluene-d8	101	96	☐	100	102	☐	48-134
4-Bromofluorobenzene	102	98	☐	102	105	☐	43-138

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 10/7/2022 9:58
Date of Analysis: 10/7/2022 11:18
Dup Date of Analysis: 10/7/2022 11:41
Laboratory Sample #: TP1007221
LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzene	10.0	10.5	9.44	105	94	11	70-132	20	--
Chlorobenzene	10.0	9.72	9.04	97	90	7	70-130	20	--
1,1-Dichloroethene	10.0	9.85	8.43	99	84	16	58-130	20	--
Toluene	10.0	9.64	8.92	96	89	8	68-130	20	--
Trichloroethene	10.0	10.3	9.71	103	97	6	70-130	20	--

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request and Chain of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com
3002 Dow, Suite 532
Tustin, CA 92780
(714) 832-0064 Fax (714) 832-0067

4620 E. Elwood, Suite 4
Phoenix, AZ 85040
(480) 736-0960 Fax (480) 736-0970

Lab Job No: AZ13719
Page 1 of 1

REQUIRED TURN AROUND TIME: Standard: ____ 72 Hours: ____ 48 Hours: ____ 24 Hours: X

CUSTOMER INFORMATION		PROJECT INFORMATION	
COMPANY:	Haley & Aldrich	PROJECT NAME	Carefree Marketplace MW-155
SEND REPORT TO:	Pejman Eshraghi	NUMBER:	13 1126-018
EMAIL:	peshraghi@haleyaldrich.com	ADDRESS:	
ADDRESS:	400E Van Buren St Phoenix Az		
		P.O. #:	
PHONE:	FAX:	SAMPLED BY:	

ANALYSIS REQUEST / PRESERVATIVE: 8260

SAMPLE ID	NO. OF CONTAINERS	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	8260	REMARKS/PRECAUTIONS
MW-155-100722	3	10/7/22	0710	GW	VOA	X	-001
Trip Blank	1					X	-002

Total No. of Samples: Method of Shipment: Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date/Time:	Received By:	Date/Time:
H&A	10/7/22 0838	OCAAZ Tara Cornell	10/7/22 838
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received For Lab By:	Date/Time:

Sample Matrix:
GW - Groundwater
WW - Wastewater
SW - Stormwater
DW - Drinking Water
W - Water
SS - Soil/Solid
OT - Other

Sample Integrity: 9-2-23
Intact: ____ On Ice (Yes) No @8.9 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, with Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup sample.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

December 13, 2022

Pejman Eshraghi
Haley & Aldrich, Inc.
One Arizona Center
400 E. Van Buren St.,Suite 545
Phoenix, AZ 85004

RE: Project: 206984
Pace Project No.: 10635667

Dear Pejman Eshraghi:

Enclosed are the analytical results for sample(s) received by the laboratory on December 03, 2022. 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 National - Mt. Juliet
- Pace Analytical Services - Minneapolis

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

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Sylvia Schutter, Haley & Aldrich, Inc.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 206984
Pace Project No.: 10635667

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
A2LA Certification #: 2926.01*
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 206984
Pace Project No.: 10635667

Pace Analytical Services National

Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
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SAMPLE SUMMARY

Project: 206984
Pace Project No.: 10635667

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10635667001	**MW-13S-120222**	Water	12/02/22 10:15	12/03/22 09:15
10635667002	**MW-13D-120222**	Water	12/02/22 10:45	12/03/22 09:15
10635667003	**MW-14S-120222**	Water	12/02/22 09:15	12/03/22 09:15
10635667004	**MW-15S-120222**	Water	12/02/22 12:35	12/03/22 09:15
10635667005	**MW-20-120222**	Water	12/02/22 00:00	12/03/22 09:15
10635667006	**Trip Blank**	Water	12/02/22 00:00	12/03/22 09:15

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 206984
Pace Project No.: 10635667

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10635667001	**MW-13S-120222**	RSK 175	ALE	3	PASI-M
		EPA 200.7	IP	1	PASI-M
		EPA 200.8	NN2	1	PASI-M
		EPA 8260D	JEM	72	PASI-M
		SM 4500-CO2 D	ARD	1	PAN
		EPA 300.0	AR3	2	PASI-M
		SM 3500-Fe B	EPT	1	PASI-M
10635667002	**MW-13D-120222**	RSK 175	ALE	3	PASI-M
		EPA 200.7	IP	1	PASI-M
		EPA 200.8	NN2	1	PASI-M
		EPA 8260D	JEM	72	PASI-M
		SM 4500-CO2 D	ARD	1	PAN
		EPA 300.0	AR3	2	PASI-M
		SM 3500-Fe B	EPT	1	PASI-M
10635667003	**MW-14S-120222**	RSK 175	ALE	3	PASI-M
		EPA 200.7	IP	1	PASI-M
		EPA 200.8	NN2	1	PASI-M
		EPA 8260D	JEM	72	PASI-M
		SM 4500-CO2 D	ARD	1	PAN
		EPA 300.0	AR3	2	PASI-M
		SM 3500-Fe B	EPT	1	PASI-M
10635667004	**MW-15S-120222**	RSK 175	ALE	3	PASI-M
		EPA 200.7	IP	1	PASI-M
		EPA 200.8	NN2	1	PASI-M
		EPA 8260D	JEM	72	PASI-M
		SM 4500-CO2 D	ARD	1	PAN
		EPA 300.0	AR3	2	PASI-M
		SM 3500-Fe B	EPT	1	PASI-M
10635667005	**MW-20-120222**	EPA 8260D	JEM	72	PASI-M
10635667006	**Trip Blank**	EPA 8260D	JEM	72	PASI-M

PAN = Pace National - Mt. Juliet
PASI-M = Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-13S-120222 **Lab ID: 10635667001** Collected: 12/02/22 10:15 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 GCV Headspace	Analytical Method: RSK 175							
	Pace Analytical Services - Minneapolis							
Methane	ND	ug/L	10.0	1		12/05/22 18:00	74-82-8	
Ethane	ND	ug/L	10.0	1		12/05/22 18:00	74-84-0	
Ethene	ND	ug/L	10.0	1		12/05/22 18:00	74-85-1	
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
	Pace Analytical Services - Minneapolis							
Sodium	**51.4**	mg/L	1.0	1	12/06/22 05:42	12/13/22 11:33	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
	Pace Analytical Services - Minneapolis							
Iron	**2.4**	mg/L	0.25	5	12/05/22 05:48	12/05/22 16:50	7439-89-6	
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 15:17	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/05/22 15:17	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 15:17	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/05/22 15:17	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/05/22 15:17	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/05/22 15:17	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/05/22 15:17	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/05/22 15:17	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:17	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		12/05/22 15:17	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:17	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 15:17	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		12/05/22 15:17	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/05/22 15:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:17	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/05/22 15:17	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 15:17	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 15:17	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:17	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/05/22 15:17	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:17	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 15:17	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/05/22 15:17	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 15:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 15:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/05/22 15:17	108-10-1	
Acetone	ND	ug/L	10.0	1		12/05/22 15:17	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		12/05/22 15:17	107-05-1	
Benzene	ND	ug/L	1.0	1		12/05/22 15:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/05/22 15:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/05/22 15:17	74-97-5	

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-13S-120222 **Lab ID: 10635667001** Collected: 12/02/22 10:15 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Bromodichloromethane	ND	ug/L	1.0	1		12/05/22 15:17	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/05/22 15:17	75-25-2	
Bromomethane	ND	ug/L	2.5	1		12/05/22 15:17	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		12/05/22 15:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/05/22 15:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/05/22 15:17	75-00-3	
Chloroform	**1.3**	ug/L	1.0	1		12/05/22 15:17	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/05/22 15:17	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/05/22 15:17	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		12/05/22 15:17	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/05/22 15:17	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 15:17	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		12/05/22 15:17	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/05/22 15:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/05/22 15:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/05/22 15:17	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/05/22 15:17	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		12/05/22 15:17	75-09-2	
Naphthalene	ND	ug/L	1.0	1		12/05/22 15:17	91-20-3	
Styrene	ND	ug/L	1.0	1		12/05/22 15:17	100-42-5	
Tetrachloroethene	**22.7**	ug/L	1.0	1		12/05/22 15:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/05/22 15:17	109-99-9	
Toluene	ND	ug/L	1.0	1		12/05/22 15:17	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		12/05/22 15:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 15:17	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/05/22 15:17	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/05/22 15:17	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/22 15:17	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 15:17	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		12/05/22 15:17	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		12/05/22 15:17	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		12/05/22 15:17	103-65-1	
o-Xylene	ND	ug/L	1.0	1		12/05/22 15:17	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/05/22 15:17	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		12/05/22 15:17	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/05/22 15:17	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/22 15:17	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 15:17	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		12/05/22 15:17	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		12/05/22 15:17	460-00-4	
Toluene-d8 (S)	101	%.	75-125	1		12/05/22 15:17	2037-26-5	
Wet Chemistry 4500CO2 D-2011	Analytical Method: SM 4500-CO2 D Preparation Method: 4500CO2 D-2011							
	Pace National - Mt. Juliet							
Carbon Dioxide, Free	**51.1**	mg/L	20.0	1	12/12/22 13:08	12/12/22 13:08	124-38-9-FR	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-13S-120222 **Lab ID: 10635667001** Collected: 12/02/22 10:15 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
	Pace Analytical Services - Minneapolis							
Chloride	**123**	mg/L	2.4	2		12/09/22 14:54	16887-00-6	
Sulfate	**97.9**	mg/L	1.2	1		12/09/22 03:39	14808-79-8	
3500FE B Iron, Ferrous	Analytical Method: SM 3500-Fe B							
	Pace Analytical Services - Minneapolis							
Iron, Ferrous	ND	mg/L	0.080	1		12/08/22 12:41	15438-31-0	H5,PN2

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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-13D-120222 **Lab ID: 10635667002** Collected: 12/02/22 10:45 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 GCV Headspace	Analytical Method: RSK 175							
	Pace Analytical Services - Minneapolis							
Methane	**829**	ug/L	10.0	1		12/05/22 18:11	74-82-8	
Ethane	ND	ug/L	10.0	1		12/05/22 18:11	74-84-0	
Ethene	ND	ug/L	10.0	1		12/05/22 18:11	74-85-1	
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
	Pace Analytical Services - Minneapolis							
Sodium	**62.0**	mg/L	1.0	1	12/06/22 05:42	12/13/22 11:41	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
	Pace Analytical Services - Minneapolis							
Iron	**1.1**	mg/L	0.25	5	12/05/22 05:48	12/05/22 16:53	7439-89-6	
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 15:33	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/05/22 15:33	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 15:33	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/05/22 15:33	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/05/22 15:33	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/05/22 15:33	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/05/22 15:33	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/05/22 15:33	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:33	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		12/05/22 15:33	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:33	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 15:33	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		12/05/22 15:33	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/05/22 15:33	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:33	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/05/22 15:33	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 15:33	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 15:33	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:33	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/05/22 15:33	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:33	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 15:33	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/05/22 15:33	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 15:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 15:33	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/05/22 15:33	108-10-1	
Acetone	ND	ug/L	10.0	1		12/05/22 15:33	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		12/05/22 15:33	107-05-1	
Benzene	ND	ug/L	1.0	1		12/05/22 15:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/05/22 15:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/05/22 15:33	74-97-5	

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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-13D-120222 **Lab ID: 10635667002** Collected: 12/02/22 10:45 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Bromodichloromethane	ND	ug/L	1.0	1		12/05/22 15:33	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/05/22 15:33	75-25-2	
Bromomethane	ND	ug/L	2.5	1		12/05/22 15:33	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		12/05/22 15:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/05/22 15:33	108-90-7	
Chloroethane	**1.1**	ug/L	1.0	1		12/05/22 15:33	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/05/22 15:33	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/05/22 15:33	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/05/22 15:33	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		12/05/22 15:33	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/05/22 15:33	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 15:33	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		12/05/22 15:33	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/05/22 15:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/05/22 15:33	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/05/22 15:33	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/05/22 15:33	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		12/05/22 15:33	75-09-2	
Naphthalene	ND	ug/L	1.0	1		12/05/22 15:33	91-20-3	
Styrene	ND	ug/L	1.0	1		12/05/22 15:33	100-42-5	
Tetrachloroethene	**11.1**	ug/L	1.0	1		12/05/22 15:33	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/05/22 15:33	109-99-9	
Toluene	ND	ug/L	1.0	1		12/05/22 15:33	108-88-3	
Trichloroethene	**5.1**	ug/L	1.0	1		12/05/22 15:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 15:33	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/05/22 15:33	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/05/22 15:33	1330-20-7	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	1		12/05/22 15:33	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 15:33	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		12/05/22 15:33	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		12/05/22 15:33	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		12/05/22 15:33	103-65-1	
o-Xylene	ND	ug/L	1.0	1		12/05/22 15:33	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/05/22 15:33	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		12/05/22 15:33	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/05/22 15:33	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/22 15:33	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 15:33	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125	1		12/05/22 15:33	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		12/05/22 15:33	460-00-4	
Toluene-d8 (S)	104	%.	75-125	1		12/05/22 15:33	2037-26-5	
Wet Chemistry 4500CO2 D-2011	Analytical Method: SM 4500-CO2 D Preparation Method: 4500CO2 D-2011							
	Pace National - Mt. Juliet							
Carbon Dioxide, Free	**47.3**	mg/L	20.0	1	12/12/22 13:13	12/12/22 13:13	124-38-9-FR	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-13D-120222 **Lab ID: 10635667002** Collected: 12/02/22 10:45 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
	Pace Analytical Services - Minneapolis							
Chloride	**128**	mg/L	2.4	2		12/09/22 15:09	16887-00-6	
Sulfate	**96.1**	mg/L	2.4	2		12/09/22 15:09	14808-79-8	
3500FE B Iron, Ferrous	Analytical Method: SM 3500-Fe B							
	Pace Analytical Services - Minneapolis							
Iron, Ferrous	**0.81**	mg/L	0.080	1		12/08/22 13:01	15438-31-0	H5,PN2

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-14S-120222 **Lab ID: 10635667003** Collected: 12/02/22 09:15 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 GCV Headspace	Analytical Method: RSK 175							
	Pace Analytical Services - Minneapolis							
Methane	ND	ug/L	10.0	1		12/05/22 18:22	74-82-8	
Ethane	ND	ug/L	10.0	1		12/05/22 18:22	74-84-0	
Ethene	ND	ug/L	10.0	1		12/05/22 18:22	74-85-1	
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
	Pace Analytical Services - Minneapolis							
Sodium	**157**	mg/L	1.0	1	12/06/22 05:42	12/13/22 11:43	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
	Pace Analytical Services - Minneapolis							
Iron	**10.1**	mg/L	0.25	5	12/05/22 05:48	12/05/22 16:57	7439-89-6	
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 15:49	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/05/22 15:49	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 15:49	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/05/22 15:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/05/22 15:49	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/05/22 15:49	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/05/22 15:49	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/05/22 15:49	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:49	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		12/05/22 15:49	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:49	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 15:49	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		12/05/22 15:49	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/05/22 15:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:49	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/05/22 15:49	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 15:49	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 15:49	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:49	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/05/22 15:49	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 15:49	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 15:49	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/05/22 15:49	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 15:49	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 15:49	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/05/22 15:49	108-10-1	
Acetone	ND	ug/L	10.0	1		12/05/22 15:49	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		12/05/22 15:49	107-05-1	
Benzene	ND	ug/L	1.0	1		12/05/22 15:49	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/05/22 15:49	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/05/22 15:49	74-97-5	

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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-14S-120222 **Lab ID: 10635667003** Collected: 12/02/22 09:15 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Bromodichloromethane	ND	ug/L	1.0	1		12/05/22 15:49	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/05/22 15:49	75-25-2	
Bromomethane	ND	ug/L	2.5	1		12/05/22 15:49	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		12/05/22 15:49	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/05/22 15:49	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/05/22 15:49	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/05/22 15:49	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/05/22 15:49	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/05/22 15:49	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		12/05/22 15:49	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/05/22 15:49	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 15:49	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		12/05/22 15:49	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/05/22 15:49	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/05/22 15:49	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/05/22 15:49	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/05/22 15:49	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		12/05/22 15:49	75-09-2	
Naphthalene	ND	ug/L	1.0	1		12/05/22 15:49	91-20-3	
Styrene	ND	ug/L	1.0	1		12/05/22 15:49	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/05/22 15:49	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/05/22 15:49	109-99-9	
Toluene	ND	ug/L	1.0	1		12/05/22 15:49	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		12/05/22 15:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 15:49	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/05/22 15:49	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/05/22 15:49	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/22 15:49	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 15:49	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		12/05/22 15:49	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		12/05/22 15:49	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		12/05/22 15:49	103-65-1	
o-Xylene	ND	ug/L	1.0	1		12/05/22 15:49	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/05/22 15:49	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		12/05/22 15:49	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/05/22 15:49	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/22 15:49	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 15:49	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125	1		12/05/22 15:49	2199-69-1	
4-Bromofluorobenzene (S)	102	%.	75-125	1		12/05/22 15:49	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		12/05/22 15:49	2037-26-5	
Wet Chemistry 4500CO2 D-2011	Analytical Method: SM 4500-CO2 D Preparation Method: 4500CO2 D-2011							
	Pace National - Mt. Juliet							
Carbon Dioxide, Free	ND	mg/L	20.0	1	12/12/22 13:18	12/12/22 13:18	124-38-9-FR	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-14S-120222 **Lab ID: 10635667003** Collected: 12/02/22 09:15 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
	Pace Analytical Services - Minneapolis							
Chloride	**88.4**	mg/L	1.2	1		12/09/22 04:09	16887-00-6	
Sulfate	**142**	mg/L	2.4	2		12/09/22 15:25	14808-79-8	
3500FE B Iron, Ferrous	Analytical Method: SM 3500-Fe B							
	Pace Analytical Services - Minneapolis							
Iron, Ferrous	ND	mg/L	0.080	1		12/08/22 12:39	15438-31-0	H5,PN2

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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-15S-120222 **Lab ID: 10635667004** Collected: 12/02/22 12:35 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
RSK 175 GCV Headspace	Analytical Method: RSK 175							
	Pace Analytical Services - Minneapolis							
Methane	ND	ug/L	10.0	1		12/05/22 18:34	74-82-8	
Ethane	ND	ug/L	10.0	1		12/05/22 18:34	74-84-0	
Ethene	ND	ug/L	10.0	1		12/05/22 18:34	74-85-1	
200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
	Pace Analytical Services - Minneapolis							
Sodium	**132**	mg/L	1.0	1	12/06/22 05:42	12/13/22 11:45	7440-23-5	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8							
	Pace Analytical Services - Minneapolis							
Iron	**0.32**	mg/L	0.25	5	12/05/22 05:48	12/05/22 17:00	7439-89-6	
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 16:05	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/05/22 16:05	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 16:05	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/05/22 16:05	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/05/22 16:05	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/05/22 16:05	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/05/22 16:05	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/05/22 16:05	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 16:05	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		12/05/22 16:05	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 16:05	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 16:05	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		12/05/22 16:05	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/05/22 16:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 16:05	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/05/22 16:05	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 16:05	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 16:05	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 16:05	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/05/22 16:05	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 16:05	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 16:05	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/05/22 16:05	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 16:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 16:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/05/22 16:05	108-10-1	
Acetone	ND	ug/L	10.0	1		12/05/22 16:05	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		12/05/22 16:05	107-05-1	
Benzene	ND	ug/L	1.0	1		12/05/22 16:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/05/22 16:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/05/22 16:05	74-97-5	

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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-15S-120222 **Lab ID: 10635667004** Collected: 12/02/22 12:35 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Bromodichloromethane	ND	ug/L	1.0	1		12/05/22 16:05	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/05/22 16:05	75-25-2	
Bromomethane	ND	ug/L	2.5	1		12/05/22 16:05	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		12/05/22 16:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/05/22 16:05	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/05/22 16:05	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/05/22 16:05	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/05/22 16:05	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/05/22 16:05	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		12/05/22 16:05	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/05/22 16:05	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 16:05	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		12/05/22 16:05	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/05/22 16:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/05/22 16:05	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/05/22 16:05	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/05/22 16:05	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		12/05/22 16:05	75-09-2	
Naphthalene	ND	ug/L	1.0	1		12/05/22 16:05	91-20-3	
Styrene	ND	ug/L	1.0	1		12/05/22 16:05	100-42-5	
Tetrachloroethene	**1.1**	ug/L	1.0	1		12/05/22 16:05	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/05/22 16:05	109-99-9	
Toluene	ND	ug/L	1.0	1		12/05/22 16:05	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		12/05/22 16:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 16:05	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/05/22 16:05	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/05/22 16:05	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/22 16:05	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 16:05	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		12/05/22 16:05	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		12/05/22 16:05	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		12/05/22 16:05	103-65-1	
o-Xylene	ND	ug/L	1.0	1		12/05/22 16:05	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/05/22 16:05	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		12/05/22 16:05	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/05/22 16:05	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/22 16:05	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 16:05	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1		12/05/22 16:05	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		12/05/22 16:05	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		12/05/22 16:05	2037-26-5	
Wet Chemistry 4500CO2 D-2011	Analytical Method: SM 4500-CO2 D Preparation Method: 4500CO2 D-2011							
	Pace National - Mt. Juliet							
Carbon Dioxide, Free	**25.7**	mg/L	20.0	1	12/12/22 13:37	12/12/22 13:37	124-38-9-FR	H3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-15S-120222 **Lab ID: 10635667004** Collected: 12/02/22 12:35 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions	Analytical Method: EPA 300.0							
	Pace Analytical Services - Minneapolis							
Chloride	**72.2**	mg/L	1.2	1		12/09/22 04:23	16887-00-6	
Sulfate	**335**	mg/L	6.0	5		12/09/22 15:39	14808-79-8	
3500FE B Iron, Ferrous	Analytical Method: SM 3500-Fe B							
	Pace Analytical Services - Minneapolis							
Iron, Ferrous	ND	mg/L	0.080	1		12/08/22 12:43	15438-31-0	H5,M1, PN2

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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-20-120222 **Lab ID: 10635667005** Collected: 12/02/22 00:00 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 16:32	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/05/22 16:32	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 16:32	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/05/22 16:32	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/05/22 16:32	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/05/22 16:32	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/05/22 16:32	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/05/22 16:32	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 16:32	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		12/05/22 16:32	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 16:32	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 16:32	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		12/05/22 16:32	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/05/22 16:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 16:32	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/05/22 16:32	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 16:32	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 16:32	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 16:32	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/05/22 16:32	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 16:32	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 16:32	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/05/22 16:32	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 16:32	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 16:32	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/05/22 16:32	108-10-1	
Acetone	ND	ug/L	10.0	1		12/05/22 16:32	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		12/05/22 16:32	107-05-1	
Benzene	ND	ug/L	1.0	1		12/05/22 16:32	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/05/22 16:32	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/05/22 16:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/05/22 16:32	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/05/22 16:32	75-25-2	
Bromomethane	ND	ug/L	2.5	1		12/05/22 16:32	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		12/05/22 16:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/05/22 16:32	108-90-7	
Chloroethane	**1.0**	ug/L	1.0	1		12/05/22 16:32	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/05/22 16:32	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/05/22 16:32	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/05/22 16:32	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		12/05/22 16:32	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/05/22 16:32	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 16:32	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		12/05/22 16:32	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/05/22 16:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/05/22 16:32	87-68-3	

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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: MW-20-120222 **Lab ID: 10635667005** Collected: 12/02/22 00:00 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/05/22 16:32	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/05/22 16:32	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		12/05/22 16:32	75-09-2	
Naphthalene	ND	ug/L	1.0	1		12/05/22 16:32	91-20-3	
Styrene	ND	ug/L	1.0	1		12/05/22 16:32	100-42-5	
Tetrachloroethene	**9.0**	ug/L	1.0	1		12/05/22 16:32	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/05/22 16:32	109-99-9	
Toluene	ND	ug/L	1.0	1		12/05/22 16:32	108-88-3	
Trichloroethene	**4.2**	ug/L	1.0	1		12/05/22 16:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 16:32	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/05/22 16:32	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/05/22 16:32	1330-20-7	
cis-1,2-Dichloroethene	**1.2**	ug/L	1.0	1		12/05/22 16:32	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 16:32	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		12/05/22 16:32	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		12/05/22 16:32	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		12/05/22 16:32	103-65-1	
o-Xylene	ND	ug/L	1.0	1		12/05/22 16:32	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/05/22 16:32	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		12/05/22 16:32	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/05/22 16:32	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/22 16:32	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 16:32	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		12/05/22 16:32	2199-69-1	
4-Bromofluorobenzene (S)	101	%.	75-125	1		12/05/22 16:32	460-00-4	
Toluene-d8 (S)	108	%.	75-125	1		12/05/22 16:32	2037-26-5	

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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: Trip Blank **Lab ID: 10635667006** Collected: 12/02/22 00:00 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 20:26	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/05/22 20:26	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/05/22 20:26	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/05/22 20:26	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/05/22 20:26	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/05/22 20:26	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/05/22 20:26	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/05/22 20:26	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 20:26	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		12/05/22 20:26	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/05/22 20:26	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 20:26	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		12/05/22 20:26	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/05/22 20:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 20:26	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/05/22 20:26	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 20:26	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/05/22 20:26	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 20:26	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/05/22 20:26	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/05/22 20:26	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		12/05/22 20:26	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		12/05/22 20:26	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 20:26	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/05/22 20:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		12/05/22 20:26	108-10-1	
Acetone	ND	ug/L	10.0	1		12/05/22 20:26	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		12/05/22 20:26	107-05-1	
Benzene	ND	ug/L	1.0	1		12/05/22 20:26	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/05/22 20:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/05/22 20:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/05/22 20:26	75-27-4	
Bromoform	ND	ug/L	1.0	1		12/05/22 20:26	75-25-2	
Bromomethane	ND	ug/L	2.5	1		12/05/22 20:26	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		12/05/22 20:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/05/22 20:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/05/22 20:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/05/22 20:26	67-66-3	
Chloromethane	ND	ug/L	1.0	1		12/05/22 20:26	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		12/05/22 20:26	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		12/05/22 20:26	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/05/22 20:26	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 20:26	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		12/05/22 20:26	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/05/22 20:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/05/22 20:26	87-68-3	

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ANALYTICAL RESULTS

Project: 206984
Pace Project No.: 10635667

Sample: Trip Blank **Lab ID: 10635667006** Collected: 12/02/22 00:00 Received: 12/03/22 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/05/22 20:26	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/05/22 20:26	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		12/05/22 20:26	75-09-2	
Naphthalene	ND	ug/L	1.0	1		12/05/22 20:26	91-20-3	
Styrene	ND	ug/L	1.0	1		12/05/22 20:26	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/05/22 20:26	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/05/22 20:26	109-99-9	
Toluene	ND	ug/L	1.0	1		12/05/22 20:26	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		12/05/22 20:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/05/22 20:26	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		12/05/22 20:26	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/05/22 20:26	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/22 20:26	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 20:26	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		12/05/22 20:26	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		12/05/22 20:26	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		12/05/22 20:26	103-65-1	
o-Xylene	ND	ug/L	1.0	1		12/05/22 20:26	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/05/22 20:26	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		12/05/22 20:26	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/05/22 20:26	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/05/22 20:26	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		12/05/22 20:26	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125	1		12/05/22 20:26	2199-69-1	
4-Bromofluorobenzene (S)	102	%.	75-125	1		12/05/22 20:26	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		12/05/22 20:26	2037-26-5	

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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

QC Batch: 856757
QC Batch Method: RSK 175
Analysis Method: RSK 175
Analysis Description: RSK 175 GCV HEADSPACE
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

METHOD BLANK: 4528028 Matrix: Water
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	ND	10.0	12/05/22 16:31	
Ethene	ug/L	ND	10.0	12/05/22 16:31	
Methane	ug/L	ND	10.0	12/05/22 16:31	

LABORATORY CONTROL SAMPLE & LCSD: 4528029 4528030

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	114	105	105	92	92	85-115	0	20	
Ethene	ug/L	106	94.3	94.3	89	89	85-115	0	20	
Methane	ug/L	60.7	53.7	53.8	89	89	85-115	0	20	

SAMPLE DUPLICATE: 4528031

Parameter	Units	60416847001 Result	Dup Result	RPD	Max RPD	Qualifiers
Ethane	ug/L	73.6	73.5	0	20	
Ethene	ug/L	528	526	0	20	
Methane	ug/L	7260	7300	0	20	

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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

QC Batch: 856533
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 MET
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

METHOD BLANK: 4527303
Matrix: Water
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sodium	mg/L	ND	1.0	12/13/22 11:30	

LABORATORY CONTROL SAMPLE: 4527304

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sodium	mg/L	20	19.2	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4527305 4527306

Parameter	Units	10635667001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sodium	mg/L	51.4	20	20	74.1	73.7	114	111	70-130	1	20	

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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

QC Batch: 856539
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

METHOD BLANK: 4527328 Matrix: Water
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	mg/L	ND	0.050	12/05/22 16:05	

LABORATORY CONTROL SAMPLE: 4527329

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	2	2.0	101	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4527330 4527331

Parameter	Units	10635496001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	mg/L	<10.8 ug/L	2	2	2.0	2.0	100	99	70-130	1	20	

MATRIX SPIKE SAMPLE: 4527332

Parameter	Units	10635670001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	mg/L	3.0	2	4.6	83	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

QC Batch: 856710
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004, 10635667005

METHOD BLANK: 4527803
Matrix: Water
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004, 10635667005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/05/22 12:41	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/05/22 12:41	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/05/22 12:41	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/05/22 12:41	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	12/05/22 12:41	
1,1-Dichloroethane	ug/L	ND	1.0	12/05/22 12:41	
1,1-Dichloroethene	ug/L	ND	1.0	12/05/22 12:41	
1,1-Dichloropropene	ug/L	ND	1.0	12/05/22 12:41	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/05/22 12:41	
1,2,3-Trichloropropane	ug/L	ND	2.5	12/05/22 12:41	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/05/22 12:41	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	12/05/22 12:41	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	12/05/22 12:41	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/05/22 12:41	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/05/22 12:41	
1,2-Dichloroethane	ug/L	ND	1.0	12/05/22 12:41	
1,2-Dichloropropane	ug/L	ND	1.0	12/05/22 12:41	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	12/05/22 12:41	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/05/22 12:41	
1,3-Dichloropropane	ug/L	ND	1.0	12/05/22 12:41	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/05/22 12:41	
2,2-Dichloropropane	ug/L	ND	1.0	12/05/22 12:41	
2-Butanone (MEK)	ug/L	ND	10.0	12/05/22 12:41	
2-Chlorotoluene	ug/L	ND	1.0	12/05/22 12:41	
4-Chlorotoluene	ug/L	ND	1.0	12/05/22 12:41	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/05/22 12:41	
Acetone	ug/L	ND	10.0	12/05/22 12:41	
Allyl chloride	ug/L	ND	2.5	12/05/22 12:41	
Benzene	ug/L	ND	1.0	12/05/22 12:41	
Bromobenzene	ug/L	ND	1.0	12/05/22 12:41	
Bromochloromethane	ug/L	ND	1.0	12/05/22 12:41	
Bromodichloromethane	ug/L	ND	1.0	12/05/22 12:41	
Bromoform	ug/L	ND	1.0	12/05/22 12:41	
Bromomethane	ug/L	ND	2.5	12/05/22 12:41	
Carbon tetrachloride	ug/L	ND	1.0	12/05/22 12:41	
Chlorobenzene	ug/L	ND	1.0	12/05/22 12:41	
Chloroethane	ug/L	ND	1.0	12/05/22 12:41	
Chloroform	ug/L	ND	1.0	12/05/22 12:41	
Chloromethane	ug/L	ND	1.0	12/05/22 12:41	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/05/22 12:41	

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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

METHOD BLANK: 4527803 Matrix: Water
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004, 10635667005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/05/22 12:41	
Dibromochloromethane	ug/L	ND	1.0	12/05/22 12:41	
Dibromomethane	ug/L	ND	1.0	12/05/22 12:41	
Dichlorodifluoromethane	ug/L	ND	1.0	12/05/22 12:41	
Dichlorofluoromethane	ug/L	ND	1.0	12/05/22 12:41	
Diethyl ether (Ethyl ether)	ug/L	ND	2.5	12/05/22 12:41	
Ethylbenzene	ug/L	ND	1.0	12/05/22 12:41	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/05/22 12:41	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	12/05/22 12:41	
m&p-Xylene	ug/L	ND	2.0	12/05/22 12:41	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/05/22 12:41	
Methylene Chloride	ug/L	ND	2.0	12/05/22 12:41	MN
n-Butylbenzene	ug/L	ND	1.0	12/05/22 12:41	
n-Propylbenzene	ug/L	ND	1.0	12/05/22 12:41	
Naphthalene	ug/L	ND	1.0	12/05/22 12:41	
o-Xylene	ug/L	ND	1.0	12/05/22 12:41	
p-Isopropyltoluene	ug/L	ND	1.0	12/05/22 12:41	
sec-Butylbenzene	ug/L	ND	1.0	12/05/22 12:41	
Styrene	ug/L	ND	1.0	12/05/22 12:41	
tert-Butylbenzene	ug/L	ND	1.0	12/05/22 12:41	
Tetrachloroethene	ug/L	ND	1.0	12/05/22 12:41	
Tetrahydrofuran	ug/L	ND	10.0	12/05/22 12:41	
Toluene	ug/L	ND	1.0	12/05/22 12:41	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/05/22 12:41	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/05/22 12:41	
Trichloroethene	ug/L	ND	1.0	12/05/22 12:41	
Trichlorofluoromethane	ug/L	ND	1.0	12/05/22 12:41	
Vinyl chloride	ug/L	ND	1.0	12/05/22 12:41	
Xylene (Total)	ug/L	ND	3.0	12/05/22 12:41	
1,2-Dichlorobenzene-d4 (S)	%.	101	75-125	12/05/22 12:41	
4-Bromofluorobenzene (S)	%.	100	75-125	12/05/22 12:41	
Toluene-d8 (S)	%.	101	75-125	12/05/22 12:41	

LABORATORY CONTROL SAMPLE: 4527804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	97	75-125	
1,1,1-Trichloroethane	ug/L	20	19.5	98	72-125	
1,1,2,2-Tetrachloroethane	ug/L	20	19.6	98	70-125	
1,1,2-Trichloroethane	ug/L	20	20.1	100	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	21.5	107	63-125	
1,1-Dichloroethane	ug/L	20	17.4	87	67-125	
1,1-Dichloroethene	ug/L	20	18.0	90	67-125	
1,1-Dichloropropene	ug/L	20	20.9	105	70-125	

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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

LABORATORY CONTROL SAMPLE: 4527804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	20	19.5	98	68-125	
1,2,3-Trichloropropane	ug/L	20	17.5	88	74-125	
1,2,4-Trichlorobenzene	ug/L	20	20.5	102	68-125	
1,2,4-Trimethylbenzene	ug/L	20	21.3	106	75-125	
1,2-Dibromo-3-chloropropane	ug/L	20	19.0	95	54-131	
1,2-Dibromoethane (EDB)	ug/L	20	19.8	99	75-125	
1,2-Dichlorobenzene	ug/L	20	19.1	96	75-125	
1,2-Dichloroethane	ug/L	20	19.2	96	75-125	
1,2-Dichloropropane	ug/L	20	20.3	102	70-128	
1,3,5-Trimethylbenzene	ug/L	20	20.8	104	75-125	
1,3-Dichlorobenzene	ug/L	20	19.9	100	75-125	
1,3-Dichloropropane	ug/L	20	20.0	100	75-125	
1,4-Dichlorobenzene	ug/L	20	19.1	96	75-125	
2,2-Dichloropropane	ug/L	20	21.8	109	49-125	
2-Butanone (MEK)	ug/L	100	111	111	56-138	
2-Chlorotoluene	ug/L	20	19.6	98	70-125	
4-Chlorotoluene	ug/L	20	20.1	100	70-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	105	64-133	
Acetone	ug/L	100	87.5	87	42-131	
Allyl chloride	ug/L	20	17.8	89	51-133	
Benzene	ug/L	20	19.9	100	73-125	
Bromobenzene	ug/L	20	18.1	91	75-125	
Bromochloromethane	ug/L	20	18.9	94	75-125	
Bromodichloromethane	ug/L	20	19.1	96	74-125	
Bromoform	ug/L	20	19.3	96	61-125	
Bromomethane	ug/L	20	17.3	87	30-125	
Carbon tetrachloride	ug/L	20	19.6	98	58-125	
Chlorobenzene	ug/L	20	19.0	95	75-125	
Chloroethane	ug/L	20	19.4	97	58-125	
Chloroform	ug/L	20	17.8	89	74-125	
Chloromethane	ug/L	20	19.8	99	38-142	
cis-1,2-Dichloroethene	ug/L	20	18.4	92	75-125	
cis-1,3-Dichloropropene	ug/L	20	20.6	103	72-125	
Dibromochloromethane	ug/L	20	19.1	95	73-125	
Dibromomethane	ug/L	20	17.2	86	68-125	
Dichlorodifluoromethane	ug/L	20	22.0	110	46-149	
Dichlorofluoromethane	ug/L	20	19.8	99	71-126	
Diethyl ether (Ethyl ether)	ug/L	20	22.6	113	68-127	
Ethylbenzene	ug/L	20	20.3	101	75-125	
Hexachloro-1,3-butadiene	ug/L	20	21.4	107	52-131	
Isopropylbenzene (Cumene)	ug/L	20	21.9	109	74-125	
m&p-Xylene	ug/L	40	40.8	102	72-125	
Methyl-tert-butyl ether	ug/L	20	21.1	106	75-125	
Methylene Chloride	ug/L	20	19.8	99	70-125	
n-Butylbenzene	ug/L	20	21.2	106	68-125	
n-Propylbenzene	ug/L	20	21.0	105	70-125	
Naphthalene	ug/L	20	19.8	99	66-127	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

LABORATORY CONTROL SAMPLE: 4527804

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
o-Xylene	ug/L	20	20.9	105	73-125	
p-Isopropyltoluene	ug/L	20	22.1	110	72-125	
sec-Butylbenzene	ug/L	20	22.0	110	72-125	
Styrene	ug/L	20	20.9	105	75-125	
tert-Butylbenzene	ug/L	20	21.2	106	74-125	
Tetrachloroethene	ug/L	20	20.7	104	72-125	
Tetrahydrofuran	ug/L	100	99.8	100	75-125	
Toluene	ug/L	20	18.1	90	74-125	
trans-1,2-Dichloroethene	ug/L	20	18.9	95	73-125	
trans-1,3-Dichloropropene	ug/L	20	21.2	106	72-125	
Trichloroethene	ug/L	20	19.4	97	75-125	
Trichlorofluoromethane	ug/L	20	19.1	96	62-136	
Vinyl chloride	ug/L	20	21.2	106	55-139	
Xylene (Total)	ug/L	60	61.7	103	72-125	
1,2-Dichlorobenzene-d4 (S)	%.			100	75-125	
4-Bromofluorobenzene (S)	%.			103	75-125	
Toluene-d8 (S)	%.			96	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4527805 4527806

Parameter	Units	10635633006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	19.9	20.8	100	104	75-130	4	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	18.7	18.3	93	91	64-143	2	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	21.7	21.4	108	107	48-139	1	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	21.2	21.4	106	107	68-135	1	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	16.6	16.8	83	84	52-150	1	30	
1,1-Dichloroethane	ug/L	ND	20	20	18.7	18.0	93	90	62-146	3	30	
1,1-Dichloroethene	ug/L	ND	20	20	16.9	16.5	84	82	44-150	2	30	
1,1-Dichloropropene	ug/L	ND	20	20	19.7	20.1	99	100	55-150	2	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	21.0	21.3	105	106	44-150	1	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	19.6	18.7	98	94	64-126	4	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	21.5	22.3	108	111	42-147	3	30	
1,2,4-Trimethylbenzene	ug/L	1.1	20	20	24.0	24.2	115	115	62-138	1	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	20	20.0	19.7	100	98	53-132	2	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	21.1	20.8	105	104	69-129	1	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	20.6	20.3	103	102	70-125	1	30	
1,2-Dichloroethane	ug/L	ND	20	20	19.9	19.7	100	99	70-133	1	30	
1,2-Dichloropropane	ug/L	ND	20	20	21.4	21.5	107	107	61-142	0	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	22.9	22.5	111	109	64-135	2	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	20.7	20.6	104	103	69-131	0	30	
1,3-Dichloropropane	ug/L	ND	20	20	21.1	20.7	105	103	70-129	2	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	20.2	20.7	101	104	67-127	2	30	
2,2-Dichloropropane	ug/L	ND	20	20	19.7	19.3	99	96	38-148	2	30	

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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4527805 4527806

Parameter	Units	10635633006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	ND	100	100	118	119	118	119	46-138	0	30	
2-Chlorotoluene	ug/L	ND	20	20	21.3	21.1	106	105	52-142	1	30	
4-Chlorotoluene	ug/L	ND	20	20	21.3	21.1	107	106	59-132	1	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	109	110	109	110	42-145	1	30	
Acetone	ug/L	ND	100	100	91.2	93.9	91	94	42-132	3	30	
Allyl chloride	ug/L	ND	20	20	18.4	18.2	92	91	31-150	1	30	
Benzene	ug/L	12.3	20	20	32.5	32.2	101	99	65-140	1	30	
Bromobenzene	ug/L	ND	20	20	20.3	20.4	101	102	65-129	1	30	
Bromochloromethane	ug/L	ND	20	20	20.9	20.8	105	104	67-147	1	30	
Bromodichloromethane	ug/L	ND	20	20	20.1	19.4	101	97	66-136	4	30	
Bromoform	ug/L	ND	20	20	20.4	20.6	102	103	59-137	1	30	
Bromomethane	ug/L	ND	20	20	16.3	18.6	81	93	30-150	13	30	
Carbon tetrachloride	ug/L	ND	20	20	17.8	17.6	89	88	58-149	1	30	
Chlorobenzene	ug/L	ND	20	20	20.2	20.0	101	100	74-125	1	30	
Chloroethane	ug/L	ND	20	20	20.0	19.2	100	96	34-150	4	30	
Chloroform	ug/L	ND	20	20	19.0	18.8	95	94	54-148	1	30	
Chloromethane	ug/L	ND	20	20	20.0	19.0	100	95	38-150	5	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	20.5	20.2	103	101	54-149	2	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	21.2	21.4	106	107	64-130	1	30	
Dibromochloromethane	ug/L	ND	20	20	20.1	20.6	100	103	71-135	2	30	
Dibromomethane	ug/L	ND	20	20	19.4	18.7	97	94	65-141	3	30	
Dichlorodifluoromethane	ug/L	ND	20	20	17.8	18.3	89	92	32-150	3	30	
Dichlorofluoromethane	ug/L	ND	20	20	19.9	19.6	100	98	58-150	2	30	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	23.9	24.1	120	120	51-148	1	30	
Ethylbenzene	ug/L	3.7	20	20	24.3	24.6	103	105	66-126	1	30	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	20.0	20.8	100	104	31-150	4	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.8	22.1	107	109	72-133	1	30	
m&p-Xylene	ug/L	ND	40	40	43.5	43.7	104	105	69-134	1	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	22.5	22.5	112	112	65-137	0	30	
Methylene Chloride	ug/L	ND	20	20	20.7	20.7	104	104	59-137	0	30	
n-Butylbenzene	ug/L	ND	20	20	20.1	20.9	100	103	52-141	4	30	
n-Propylbenzene	ug/L	ND	20	20	22.2	22.2	107	108	53-138	0	30	
Naphthalene	ug/L	1.1	20	20	23.1	23.0	110	109	56-141	0	30	
o-Xylene	ug/L	ND	20	20	22.4	22.8	108	110	73-133	2	30	
p-Isopropyltoluene	ug/L	ND	20	20	22.1	22.1	110	111	59-139	0	30	
sec-Butylbenzene	ug/L	ND	20	20	21.9	22.0	109	109	60-138	0	30	
Styrene	ug/L	ND	20	20	21.4	21.8	107	109	67-138	2	30	
tert-Butylbenzene	ug/L	ND	20	20	21.5	21.7	108	108	58-141	1	30	
Tetrachloroethene	ug/L	ND	20	20	19.5	20.5	98	103	66-141	5	30	
Tetrahydrofuran	ug/L	ND	100	100	111	110	111	110	57-133	1	30	
Toluene	ug/L	ND	20	20	19.5	19.4	96	96	69-131	0	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	20.3	19.7	102	99	47-150	3	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	21.7	22.0	109	110	68-129	1	30	
Trichloroethene	ug/L	ND	20	20	20.0	20.1	100	100	68-139	0	30	

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Pace Analytical Services, LLC
1700 Elm Street
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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4527805 4527806

Parameter	Units	10635633006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	ND	20	20	16.3	16.1	81	81	49-150	1	30	
Vinyl chloride	ug/L	ND	20	20	19.1	18.8	96	94	55-150	2	30	
Xylene (Total)	ug/L	ND	60	60	65.8	66.5	110	111	68-136	1	30	
1,2-Dichlorobenzene-d4 (S)	%.						102	101	75-125			
4-Bromofluorobenzene (S)	%.						99	100	75-125			
Toluene-d8 (S)	%.						97	97	75-125			

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Pace Analytical Services, LLC
1700 Elm Street
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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

QC Batch: 856773
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10635667006

METHOD BLANK: 4528074
Matrix: Water
Associated Lab Samples: 10635667006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/05/22 19:55	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/05/22 19:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/05/22 19:55	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/05/22 19:55	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	12/05/22 19:55	
1,1-Dichloroethane	ug/L	ND	1.0	12/05/22 19:55	
1,1-Dichloroethene	ug/L	ND	1.0	12/05/22 19:55	
1,1-Dichloropropene	ug/L	ND	1.0	12/05/22 19:55	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/05/22 19:55	
1,2,3-Trichloropropane	ug/L	ND	2.5	12/05/22 19:55	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/05/22 19:55	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	12/05/22 19:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	12/05/22 19:55	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/05/22 19:55	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/05/22 19:55	
1,2-Dichloroethane	ug/L	ND	1.0	12/05/22 19:55	
1,2-Dichloropropane	ug/L	ND	1.0	12/05/22 19:55	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	12/05/22 19:55	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/05/22 19:55	
1,3-Dichloropropane	ug/L	ND	1.0	12/05/22 19:55	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/05/22 19:55	
2,2-Dichloropropane	ug/L	ND	1.0	12/05/22 19:55	
2-Butanone (MEK)	ug/L	ND	10.0	12/05/22 19:55	
2-Chlorotoluene	ug/L	ND	1.0	12/05/22 19:55	
4-Chlorotoluene	ug/L	ND	1.0	12/05/22 19:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	12/05/22 19:55	
Acetone	ug/L	ND	10.0	12/05/22 19:55	
Allyl chloride	ug/L	ND	2.5	12/05/22 19:55	
Benzene	ug/L	ND	1.0	12/05/22 19:55	
Bromobenzene	ug/L	ND	1.0	12/05/22 19:55	
Bromochloromethane	ug/L	ND	1.0	12/05/22 19:55	
Bromodichloromethane	ug/L	ND	1.0	12/05/22 19:55	
Bromoform	ug/L	ND	1.0	12/05/22 19:55	
Bromomethane	ug/L	ND	2.5	12/05/22 19:55	
Carbon tetrachloride	ug/L	ND	1.0	12/05/22 19:55	
Chlorobenzene	ug/L	ND	1.0	12/05/22 19:55	
Chloroethane	ug/L	ND	1.0	12/05/22 19:55	
Chloroform	ug/L	ND	1.0	12/05/22 19:55	
Chloromethane	ug/L	ND	1.0	12/05/22 19:55	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/05/22 19:55	

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Pace Analytical Services, LLC
1700 Elm Street
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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

METHOD BLANK: 4528074 Matrix: Water
Associated Lab Samples: 10635667006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	1.0	12/05/22 19:55	
Dibromochloromethane	ug/L	ND	1.0	12/05/22 19:55	
Dibromomethane	ug/L	ND	1.0	12/05/22 19:55	
Dichlorodifluoromethane	ug/L	ND	1.0	12/05/22 19:55	
Dichlorofluoromethane	ug/L	ND	1.0	12/05/22 19:55	
Diethyl ether (Ethyl ether)	ug/L	ND	2.5	12/05/22 19:55	
Ethylbenzene	ug/L	ND	1.0	12/05/22 19:55	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/05/22 19:55	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	12/05/22 19:55	
m&p-Xylene	ug/L	ND	2.0	12/05/22 19:55	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/05/22 19:55	
Methylene Chloride	ug/L	ND	2.0	12/05/22 19:55	MN
n-Butylbenzene	ug/L	ND	1.0	12/05/22 19:55	
n-Propylbenzene	ug/L	ND	1.0	12/05/22 19:55	
Naphthalene	ug/L	ND	1.0	12/05/22 19:55	
o-Xylene	ug/L	ND	1.0	12/05/22 19:55	
p-Isopropyltoluene	ug/L	ND	1.0	12/05/22 19:55	
sec-Butylbenzene	ug/L	ND	1.0	12/05/22 19:55	
Styrene	ug/L	ND	1.0	12/05/22 19:55	
tert-Butylbenzene	ug/L	ND	1.0	12/05/22 19:55	
Tetrachloroethene	ug/L	ND	1.0	12/05/22 19:55	
Tetrahydrofuran	ug/L	ND	10.0	12/05/22 19:55	
Toluene	ug/L	ND	1.0	12/05/22 19:55	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/05/22 19:55	
trans-1,3-Dichloropropene	ug/L	ND	1.0	12/05/22 19:55	
Trichloroethene	ug/L	ND	1.0	12/05/22 19:55	
Trichlorofluoromethane	ug/L	ND	1.0	12/05/22 19:55	
Vinyl chloride	ug/L	ND	1.0	12/05/22 19:55	
Xylene (Total)	ug/L	ND	3.0	12/05/22 19:55	
1,2-Dichlorobenzene-d4 (S)	%.	98	75-125	12/05/22 19:55	
4-Bromofluorobenzene (S)	%.	98	75-125	12/05/22 19:55	
Toluene-d8 (S)	%.	101	75-125	12/05/22 19:55	

LABORATORY CONTROL SAMPLE & LCSD: 4528075 4528076

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	19.2	97	96	75-125	1	20	
1,1,1-Trichloroethane	ug/L	20	18.7	19.0	93	95	72-125	2	20	
1,1,2,2-Tetrachloroethane	ug/L	20	19.8	19.2	99	96	70-125	3	20	
1,1,2-Trichloroethane	ug/L	20	19.8	19.6	99	98	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.4	21.4	102	107	63-125	5	20	
1,1-Dichloroethane	ug/L	20	17.3	17.6	86	88	67-125	2	20	
1,1-Dichloroethene	ug/L	20	17.5	18.0	88	90	67-125	3	20	
1,1-Dichloropropene	ug/L	20	20.9	20.9	104	105	70-125	0	20	

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1700 Elm Street
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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

LABORATORY CONTROL SAMPLE & LCSD: 4528075 4528076

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichlorobenzene	ug/L	20	19.9	19.9	99	100	68-125	0	20	
1,2,3-Trichloropropane	ug/L	20	18.1	17.3	90	87	74-125	4	20	
1,2,4-Trichlorobenzene	ug/L	20	20.7	20.5	104	103	68-125	1	20	
1,2,4-Trimethylbenzene	ug/L	20	21.5	21.7	108	108	75-125	1	20	
1,2-Dibromo-3-chloropropane	ug/L	20	17.9	18.0	90	90	54-131	1	20	
1,2-Dibromoethane (EDB)	ug/L	20	19.6	19.9	98	100	75-125	2	20	
1,2-Dichlorobenzene	ug/L	20	19.0	19.3	95	97	75-125	2	20	
1,2-Dichloroethane	ug/L	20	17.9	18.1	89	90	75-125	1	20	
1,2-Dichloropropane	ug/L	20	19.8	20.2	99	101	70-128	2	20	
1,3,5-Trimethylbenzene	ug/L	20	21.3	21.3	106	106	75-125	0	20	
1,3-Dichlorobenzene	ug/L	20	19.8	20.1	99	100	75-125	1	20	
1,3-Dichloropropane	ug/L	20	19.7	19.5	98	98	75-125	1	20	
1,4-Dichlorobenzene	ug/L	20	19.5	19.8	98	99	75-125	1	20	
2,2-Dichloropropane	ug/L	20	17.9	18.5	89	92	49-125	3	20	
2-Butanone (MEK)	ug/L	100	106	109	106	109	56-138	3	20	
2-Chlorotoluene	ug/L	20	19.8	20.4	99	102	70-125	3	20	
4-Chlorotoluene	ug/L	20	20.1	20.6	100	103	70-125	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.3	100	99	100	64-133	1	20	
Acetone	ug/L	100	83.7	81.3	84	81	42-131	3	20	
Allyl chloride	ug/L	20	17.0	17.1	85	85	51-133	1	20	
Benzene	ug/L	20	19.8	20.0	99	100	73-125	1	20	
Bromobenzene	ug/L	20	19.1	19.4	96	97	75-125	2	20	
Bromochloromethane	ug/L	20	19.5	19.4	97	97	75-125	1	20	
Bromodichloromethane	ug/L	20	18.5	18.8	92	94	74-125	2	20	
Bromoform	ug/L	20	19.1	19.0	95	95	61-125	0	20	
Bromomethane	ug/L	20	18.1	18.6	91	93	30-125	3	20	
Carbon tetrachloride	ug/L	20	18.8	19.1	94	95	58-125	1	20	
Chlorobenzene	ug/L	20	19.2	19.4	96	97	75-125	1	20	
Chloroethane	ug/L	20	18.1	18.5	91	92	58-125	2	20	
Chloroform	ug/L	20	17.5	18.0	87	90	74-125	3	20	
Chloromethane	ug/L	20	17.7	18.2	89	91	38-142	3	20	
cis-1,2-Dichloroethene	ug/L	20	19.1	19.3	96	96	75-125	1	20	
cis-1,3-Dichloropropene	ug/L	20	19.6	20.0	98	100	72-125	2	20	
Dibromochloromethane	ug/L	20	18.6	19.0	93	95	73-125	2	20	
Dibromomethane	ug/L	20	17.9	18.5	89	93	68-125	3	20	
Dichlorodifluoromethane	ug/L	20	19.6	20.6	98	103	46-149	5	20	
Dichlorofluoromethane	ug/L	20	18.5	19.1	93	95	71-126	3	20	
Diethyl ether (Ethyl ether)	ug/L	20	21.9	22.2	109	111	68-127	1	20	
Ethylbenzene	ug/L	20	20.1	21.0	100	105	75-125	4	20	
Hexachloro-1,3-butadiene	ug/L	20	20.8	21.2	104	106	52-131	2	20	
Isopropylbenzene (Cumene)	ug/L	20	21.2	22.6	106	113	74-125	6	20	
m&p-Xylene	ug/L	40	39.9	42.7	100	107	72-125	7	20	
Methyl-tert-butyl ether	ug/L	20	20.6	20.5	103	103	75-125	0	20	
Methylene Chloride	ug/L	20	19.3	19.8	97	99	70-125	3	20	
n-Butylbenzene	ug/L	20	20.1	20.3	100	102	68-125	1	20	
n-Propylbenzene	ug/L	20	21.1	21.8	105	109	70-125	4	20	
Naphthalene	ug/L	20	20.1	19.5	101	98	66-127	3	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.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

LABORATORY CONTROL SAMPLE & LCSD: 4528075 4528076

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	20	20.6	22.0	103	110	73-125	7	20	
p-Isopropyltoluene	ug/L	20	21.6	22.4	108	112	72-125	3	20	
sec-Butylbenzene	ug/L	20	21.9	22.7	110	113	72-125	3	20	
Styrene	ug/L	20	20.4	21.9	102	109	75-125	7	20	
tert-Butylbenzene	ug/L	20	21.5	22.1	108	110	74-125	3	20	
Tetrachloroethene	ug/L	20	20.7	20.6	104	103	72-125	1	20	
Tetrahydrofuran	ug/L	100	101	103	101	103	75-125	2	20	
Toluene	ug/L	20	18.2	18.1	91	91	74-125	0	20	
trans-1,2-Dichloroethene	ug/L	20	19.2	19.5	96	97	73-125	2	20	
trans-1,3-Dichloropropene	ug/L	20	19.9	20.5	99	102	72-125	3	20	
Trichloroethene	ug/L	20	19.8	19.4	99	97	75-125	2	20	
Trichlorofluoromethane	ug/L	20	17.0	17.7	85	88	62-136	4	20	
Vinyl chloride	ug/L	20	18.9	19.7	94	99	55-139	4	20	
Xylene (Total)	ug/L	60	60.4	64.8	101	108	72-125	7	20	
1,2-Dichlorobenzene-d4 (S)	%.				102	101	75-125			
4-Bromofluorobenzene (S)	%.				98	105	75-125			
Toluene-d8 (S)	%.				96	95	75-125			

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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

QC Batch: 1972737
QC Batch Method: 4500CO2 D-2011
Analysis Method: SM 4500-CO2 D
Analysis Description: Wet Chemistry 4500CO2 D-2011
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

METHOD BLANK: R3870767-3
Matrix: Water
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbon Dioxide, Free	mg/L	ND	20.0	12/12/22 11:35	

SAMPLE DUPLICATE: R3870767-5

Parameter	Units	L1564607-01 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon Dioxide, Free	mg/L	ND	ND	0.00	20	

SAMPLE DUPLICATE: R3870767-7

Parameter	Units	L1566336-02 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbon Dioxide, Free	mg/L	ND	ND	0.00	20	

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Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

QC Batch: 857297
QC Batch Method: EPA 300.0
Analysis Method: EPA 300.0
Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

METHOD BLANK: 4530335 Matrix: Water
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	ND	1.2	12/09/22 19:09	
Sulfate	mg/L	ND	1.2	12/09/22 19:09	

LABORATORY CONTROL SAMPLE: 4530336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Sulfate	mg/L	50	51.5	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4530337 4530338

Parameter	Units	10635407001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	160	250	250	413	411	102	100	80-120	1	20	
Sulfate	mg/L	56.1	50	50	102	102	92	91	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4530339 4530340

Parameter	Units	10635408001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	20.0	50	50	68.6	69.0	97	98	80-120	0	20	
Sulfate	mg/L	12.3	50	50	62.1	62.4	100	100	80-120	1	20	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 206984
Pace Project No.: 10635667

QC Batch: 857496
QC Batch Method: SM 3500-Fe B
Analysis Method: SM 3500-Fe B
Analysis Description: 3500FE B Iron, Ferrous
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

METHOD BLANK: 4531289 Matrix: Water
Associated Lab Samples: 10635667001, 10635667002, 10635667003, 10635667004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron, Ferrous	mg/L	ND	0.080	12/08/22 12:33	H5,PN2

LABORATORY CONTROL SAMPLE: 4531290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Ferrous	mg/L	0.5	0.52	105	90-110	H5,PN2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4531291 4531292

Parameter	Units	10635667004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron, Ferrous	mg/L	ND	0.5	0.5	0.69	0.58	132	110	80-120	17	20	H5,M1, PN2

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.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 206984
Pace Project No.: 10635667

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

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

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

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10635667001
[1] Wet Chemistry by Method 4500CO2 D-2011 - Endpoint pH 4.5 headspace

Sample: 10635667002
[1] Wet Chemistry by Method 4500CO2 D-2011 - Endpoint pH 4.5 headspace

Sample: 10635667003
[1] Wet Chemistry by Method 4500CO2 D-2011 - Endpoint pH 4.5 headspace

Sample: 10635667004
[1] Wet Chemistry by Method 4500CO2 D-2011 - Endpoint pH 4.5 headspace

Sample: R3870767-3
[1] Wet Chemistry by Method 4500CO2 D-2011 - Endpoint pH 4.5

Sample: R3870767-5
[1] Wet Chemistry by Method 4500CO2 D-2011 - Endpoint pH 4.5

Sample: R3870767-7
[1] Wet Chemistry by Method 4500CO2 D-2011 - Endpoint pH 4.5

Sample: L1564607-01
[1] Wet Chemistry by Method 4500CO2 D-2011 - Endpoint pH 4.5 headspace

Sample: L1566336-02
[1] Wet Chemistry by Method 4500CO2 D-2011 - Endpoint pH 4.5 headspace

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1700 Elm Street
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(612)607-1700

QUALIFIERS

Project: 206984
Pace Project No.: 10635667

BATCH QUALIFIERS

Batch: 856757

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 856773

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

H3	Sample was received and analyzed past holding time.
H5	This test is specified to be performed in the field within 15 minutes of sampling; sample was received and analyzed past the regulatory holding time.
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable.
MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
PN2	The lab does not hold TNI accreditation for this parameter.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 206984
Pace Project No.: 10635667

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10635667001	**MW-13S-120222**	RSK 175	856757		
10635667002	**MW-13D-120222**	RSK 175	856757		
10635667003	**MW-14S-120222**	RSK 175	856757		
10635667004	**MW-15S-120222**	RSK 175	856757		
10635667001	**MW-13S-120222**	EPA 200.7	856533	EPA 200.7	857004
10635667002	**MW-13D-120222**	EPA 200.7	856533	EPA 200.7	857004
10635667003	**MW-14S-120222**	EPA 200.7	856533	EPA 200.7	857004
10635667004	**MW-15S-120222**	EPA 200.7	856533	EPA 200.7	857004
10635667001	**MW-13S-120222**	EPA 200.8	856539	EPA 200.8	856749
10635667002	**MW-13D-120222**	EPA 200.8	856539	EPA 200.8	856749
10635667003	**MW-14S-120222**	EPA 200.8	856539	EPA 200.8	856749
10635667004	**MW-15S-120222**	EPA 200.8	856539	EPA 200.8	856749
10635667001	**MW-13S-120222**	EPA 8260D	856710		
10635667002	**MW-13D-120222**	EPA 8260D	856710		
10635667003	**MW-14S-120222**	EPA 8260D	856710		
10635667004	**MW-15S-120222**	EPA 8260D	856710		
10635667005	**MW-20-120222**	EPA 8260D	856710		
10635667006	**Trip Blank**	EPA 8260D	856773		
10635667001	**MW-13S-120222**	4500CO2 D-2011	1972737	SM 4500-CO2 D	1972737
10635667002	**MW-13D-120222**	4500CO2 D-2011	1972737	SM 4500-CO2 D	1972737
10635667003	**MW-14S-120222**	4500CO2 D-2011	1972737	SM 4500-CO2 D	1972737
10635667004	**MW-15S-120222**	4500CO2 D-2011	1972737	SM 4500-CO2 D	1972737
10635667001	**MW-13S-120222**	EPA 300.0	857297		
10635667002	**MW-13D-120222**	EPA 300.0	857297		
10635667003	**MW-14S-120222**	EPA 300.0	857297		
10635667004	**MW-15S-120222**	EPA 300.0	857297		
10635667001	**MW-13S-120222**	SM 3500-Fe B	857496		
10635667002	**MW-13D-120222**	SM 3500-Fe B	857496		
10635667003	**MW-14S-120222**	SM 3500-Fe B	857496		
10635667004	**MW-15S-120222**	SM 3500-Fe B	857496		

Pace Analytical™ www.pacelabs.com

HALEY ALDRICH

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A — Required Client Information:

Company: Haley & Aldrich
Address: 400 E. Van Buren St., Suite 545
Phoenix, AZ 85004
Email To: peshraghi@haleyaldrich.com
Phone: 602-370-3445 Fax:
Requested Due Date/TAT: Standard

Section B — Required Project Information:

Report To: P. Eshraghi
Copy To: sschutter@haleyaldrich.com
BSA #: 2022-24-Pace
H&A Client Name:
H&A Project #: 206984

Section C — Invoice Information:

Attention: Accounts Payable
Company Name: Haley & Aldrich
Address: 400 E. Van Buren St., Suite 545, Phoe
Pace Quote Reference:
Pace Project Manager: Jenni Gross
Pace Profile #: 41060 / 1

X 1700 Elm Street SE - Minneapolis, MN 55414
12065 Lebanon Rd. Mt. Juliet, TN 37122
7726 Moller Road - Indianapolis, IN 46268

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: Arizona AZ

Pace's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement #2015-18-Pace by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and Pace Analytical Services, Inc.

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	200.7 Sodium (Total)	200.8 Iron (Total)	300.0 Chloride	300.0 Sulfate	RSK-175 Methane, Ethane, Ethene	SM3500 Fe-B Ferrous Iron (FF*)	8260D VOCs	SM4500 Carbon Dioxide (Free)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																			Y									
1	MW-13S-120222	WT	G	12/2/2	1015				12			X	X						X	X	X	X	X	X	X	X		001
2	MW-13D-120222	↓	↓	↓	1045				12			X	X						X	X	X	X	X	X	X	X		002
3	MW-14S-120222	↓	↓	↓	0915				12			X	X						X	X	X	X	X	X	X	X		003
4	MW-15S-120222	↓	↓	↓	1235				12			X	X						X	X	X	X	X	X	X	X		004
5	MW-20-120222	↓	↓	↓					3				X											X				005
6	Trip Blank								2																			006
7																												
8																												
9																												
10																												
11																												
12																												

WO#: 10635667

10635667

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*Ferrous Iron must be filtered in the field.	HA	12/2/22	1419		12/2/22	1419				
Carbon Dioxide (SUB: PACE-TN)		12/2/22	1800	FedEx						
				Pace	12/3/22	0915	4.0	Y	Y	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: S. Schutter

SIGNATURE of SAMPLER:

DATE Signed (MM/DD/YY): 12/02/22

20-July-2015

DC#_Title: ENV-FRM-MIN4-0150 v11_Sample Condition Upon Receipt (SCUR)
Effective Date: 11/16/2022

Sample Condition Upon Receipt

Client Name: Haley & Aldrich

Project #: WO#: 10635667
PM: JMG Due Date: 12/19/22
CLIENT: Haley-Aldric

Courier: ☑ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 592371423497 ☐ 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) ☐ T4 (0254) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9(0727) ☐ 01339252/1710 **Type of Ice:** ☑ Wet ☐ Blue ☐ Dry ☐ None ☐ 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:** 4.1 °C

Correction Factor: -0.1 **Cooler Temp Corrected w/temp blank:** 4.0 °C

Average Corrected Temp (no temp blank only): _____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☑ N/A, water sample other: _____) **Date/Initials of Person Examining Contents:** KB 12/3/22

Did samples originate in a quarantine zone within the United States: AL, AR, AZ 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 (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

Location (Check one): ☐ Duluth ☑ Minneapolis ☐ Virginia

				COMMENTS
Chain of Custody Present and Filled Out?	☑ Yes	☐ No		1.
Chain of Custody Relinquished?	☑ Yes	☐ No		2.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes	☐ No		4. If fecal: ☐ <8 hrs ☐ >8 hr, <24 ☐ No
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E.coli ☐ BOD/cBOD ☐ Hex Chrom ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other _____
Rush Turn Around Time Requested?	☐ Yes	☑ No		6.
Sufficient Sample Volume?	☑ Yes	☐ No		7.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	8.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other	☑ Yes	☐ No		11. **If no, write ID/Date/Time of container below:** ☐ See Exceptions ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes	☐ No	☑ N/A	☐ NaOH ☐ HNO3 ☐ H2SO4 ☐ Zinc Acetate
Exceptions: VOA, coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks--verify with PM first.)	☑ Yes	☐ No	☐ N/A	Positive for Residual Chlorine? ☐ Yes ☐ No ☐ See Exceptions ENV-FRM-MIN4-0142
				pH Paper Lot # Residual Chlorine / 0-6 Roll / 0-6 Strip / 0-14 Strip 39245 KB 12/3/22
Headspace in Methyl Mercury Container?	☐ Yes	☐ No	☑ N/A	13.
Extra labels present on soil VOA or WIDRO containers?	~~☑ Yes~~	☐ No	(X) N/A	14. ☐ See Exceptions ENV-FRM-MIN4-0142
Headspace in VOA Vials (greater than 6mm)?	☐ Yes	☑ No	☐ N/A	
3 Trip Blanks Present?	☐ Yes	[X] No	☐ N/A	15.
Trip Blank Custody Seals Present?	[X] Yes	☐ No	☐ N/A	Pace Trip Blank Lot # (if purchased): 39245 (2/

JMG 12/5/22

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Jenni Gross **Date:** 12/5/22

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: KB **Line:** 1

Internal Transfer Chain of Custody

G076

☐ Samples Pre-Logged into eCOC.

State Of Origin: AZ
Cert. Needed: ☐ Yes ☐ No

Workorder: 10635667 **Workorder Name:** 206984

Owner Received Date: 12/3/2022 Results Requested By: 12/19/2022

Report To

Jennifer Gross
Pace Analytical Minnesota
1700 Elm Street
Minneapolis, MN 55414
Phone (612)607-1700

Subcontract To

Pace National
12065 Lebanon Rd
Mt. Juliet, TN 37122
Phone (615) 758-5858

Requested Analysis

L1564730

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved						Carbon Dioxide-EPA 4500CO2 (PACE-												LAB USE ONLY
1	MW-13S-120222	PS	12/2/2022 10:15	10635667001	Water	1						X												-01
2	MW-13D-120222	PS	12/2/2022 10:45	10635667002	Water	1						X												-02
3	MW-14S-120222	PS	12/2/2022 09:15	10635667003	Water	1						X												-03
4	MW-15S-120222	PS	12/2/2022 12:35	10635667004	Water	1						X												-04
5																								

Transfers	Released By	Date/Time	Received By	Date/Time
1	CSM/Pace	12-6-22 15:15	[illegible]	12-7-22 0920
2				
3				

Comments

Cooler Temperature on Receipt 1.9 °C **Custody Seal** Y or N **Received on Ice** Y or N **Samples Intact** Y or N

****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.*
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Sample Receipt Checklist

COC Seal Present/Intact:	✓Y__N	If Applicable	
COC Signed/Accurate:	✓Y__N	VOA Zero Headspace:	__Y__N
Bottles arrive intact:	✓Y__N	Pres.Correct/Check:	__Y__N
Correct bottles used:	✓Y__N	GAA 2	
Sufficient volume sent:	✓Y__N		
RAD Screen <0.5 mR/hr:	✓Y__N	1.9 TO = 1.9	

5466 8887 5744

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

January 20, 2023

Pejman Eshraghi
Haley & Aldrich, Inc.
One Arizona Center
400 E. Van Buren St.,Suite 545
Phoenix, AZ 85004

RE: Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

Dear Pejman Eshraghi:

Enclosed are the analytical results for sample(s) received by the laboratory on January 18, 2023. 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

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

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Sylvia Schutter, Haley & Aldrich, Inc.

Pace Analytical Services, LLC
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CERTIFICATIONS

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

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SAMPLE SUMMARY

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10640202001	**CWC Well #2**	Water	01/17/23 09:30	01/18/23 08:50
10640202002	**Trip Blank**	Water	01/17/23 00:00	01/18/23 08:50

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SAMPLE ANALYTE COUNT

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10640202001	**CWC Well #2**	EPA 8260D	TKL	72	PASI-M
10640202002	**Trip Blank**	EPA 8260D	TKL	72	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

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ANALYTICAL RESULTS

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

Sample: CWC Well #2 **Lab ID: 10640202001** Collected: 01/17/23 09:30 Received: 01/18/23 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/19/23 15:34	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/19/23 15:34	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/19/23 15:34	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/19/23 15:34	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/19/23 15:34	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/19/23 15:34	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/19/23 15:34	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/19/23 15:34	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/19/23 15:34	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/19/23 15:34	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/19/23 15:34	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/19/23 15:34	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/19/23 15:34	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/19/23 15:34	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/19/23 15:34	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/19/23 15:34	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/19/23 15:34	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/19/23 15:34	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/19/23 15:34	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/19/23 15:34	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/19/23 15:34	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/19/23 15:34	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/19/23 15:34	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/19/23 15:34	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/19/23 15:34	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/19/23 15:34	108-10-1	
Acetone	ND	ug/L	10.0	1		01/19/23 15:34	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/19/23 15:34	107-05-1	
Benzene	ND	ug/L	1.0	1		01/19/23 15:34	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/19/23 15:34	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/19/23 15:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/19/23 15:34	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/19/23 15:34	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/19/23 15:34	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/19/23 15:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/19/23 15:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/19/23 15:34	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/19/23 15:34	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/19/23 15:34	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/19/23 15:34	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/19/23 15:34	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/19/23 15:34	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/19/23 15:34	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/19/23 15:34	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/19/23 15:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/19/23 15:34	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

Sample: CWC Well #2 **Lab ID: 10640202001** Collected: 01/17/23 09:30 Received: 01/18/23 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/19/23 15:34	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/19/23 15:34	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		01/19/23 15:34	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/19/23 15:34	91-20-3	
Styrene	ND	ug/L	1.0	1		01/19/23 15:34	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/19/23 15:34	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/19/23 15:34	109-99-9	
Toluene	ND	ug/L	1.0	1		01/19/23 15:34	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/19/23 15:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/19/23 15:34	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/19/23 15:34	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/19/23 15:34	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/19/23 15:34	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/19/23 15:34	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/19/23 15:34	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/19/23 15:34	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/19/23 15:34	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/19/23 15:34	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/19/23 15:34	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/19/23 15:34	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/19/23 15:34	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/19/23 15:34	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/19/23 15:34	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125	1		01/19/23 15:34	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/19/23 15:34	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		01/19/23 15:34	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

Sample: Trip Blank **Lab ID: 10640202002** Collected: 01/17/23 00:00 Received: 01/18/23 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/19/23 13:39	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/19/23 13:39	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/19/23 13:39	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/19/23 13:39	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/19/23 13:39	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/19/23 13:39	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/19/23 13:39	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/19/23 13:39	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/19/23 13:39	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/19/23 13:39	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/19/23 13:39	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/19/23 13:39	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/19/23 13:39	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/19/23 13:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/19/23 13:39	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/19/23 13:39	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/19/23 13:39	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/19/23 13:39	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/19/23 13:39	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/19/23 13:39	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/19/23 13:39	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/19/23 13:39	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/19/23 13:39	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/19/23 13:39	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/19/23 13:39	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/19/23 13:39	108-10-1	
Acetone	ND	ug/L	10.0	1		01/19/23 13:39	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/19/23 13:39	107-05-1	
Benzene	ND	ug/L	1.0	1		01/19/23 13:39	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/19/23 13:39	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/19/23 13:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/19/23 13:39	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/19/23 13:39	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/19/23 13:39	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/19/23 13:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/19/23 13:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/19/23 13:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/19/23 13:39	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/19/23 13:39	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/19/23 13:39	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/19/23 13:39	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/19/23 13:39	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/19/23 13:39	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/19/23 13:39	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/19/23 13:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/19/23 13:39	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

Sample: Trip Blank **Lab ID: 10640202002** Collected: 01/17/23 00:00 Received: 01/18/23 08:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/19/23 13:39	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/19/23 13:39	1634-04-4	
Methylene Chloride	ND	ug/L	1.0	1		01/19/23 13:39	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/19/23 13:39	91-20-3	
Styrene	ND	ug/L	1.0	1		01/19/23 13:39	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/19/23 13:39	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/19/23 13:39	109-99-9	
Toluene	ND	ug/L	1.0	1		01/19/23 13:39	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/19/23 13:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/19/23 13:39	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/19/23 13:39	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/19/23 13:39	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/19/23 13:39	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/19/23 13:39	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/19/23 13:39	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/19/23 13:39	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/19/23 13:39	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/19/23 13:39	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/19/23 13:39	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/19/23 13:39	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/19/23 13:39	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/19/23 13:39	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/19/23 13:39	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		01/19/23 13:39	2199-69-1	
4-Bromofluorobenzene (S)	98	%.	75-125	1		01/19/23 13:39	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		01/19/23 13:39	2037-26-5	

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

QC Batch: 863595
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10640202001, 10640202002

METHOD BLANK: 4560684
Matrix: Water
Associated Lab Samples: 10640202001, 10640202002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/19/23 13:06	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/19/23 13:06	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/19/23 13:06	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/19/23 13:06	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	01/19/23 13:06	
1,1-Dichloroethane	ug/L	ND	1.0	01/19/23 13:06	
1,1-Dichloroethene	ug/L	ND	1.0	01/19/23 13:06	
1,1-Dichloropropene	ug/L	ND	1.0	01/19/23 13:06	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/19/23 13:06	
1,2,3-Trichloropropane	ug/L	ND	2.5	01/19/23 13:06	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/19/23 13:06	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/19/23 13:06	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	01/19/23 13:06	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/19/23 13:06	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/19/23 13:06	
1,2-Dichloroethane	ug/L	ND	1.0	01/19/23 13:06	
1,2-Dichloropropane	ug/L	ND	1.0	01/19/23 13:06	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/19/23 13:06	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/19/23 13:06	
1,3-Dichloropropane	ug/L	ND	1.0	01/19/23 13:06	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/19/23 13:06	
2,2-Dichloropropane	ug/L	ND	1.0	01/19/23 13:06	
2-Butanone (MEK)	ug/L	ND	10.0	01/19/23 13:06	
2-Chlorotoluene	ug/L	ND	1.0	01/19/23 13:06	
4-Chlorotoluene	ug/L	ND	1.0	01/19/23 13:06	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	01/19/23 13:06	
Acetone	ug/L	ND	10.0	01/19/23 13:06	
Allyl chloride	ug/L	ND	2.5	01/19/23 13:06	
Benzene	ug/L	ND	1.0	01/19/23 13:06	
Bromobenzene	ug/L	ND	1.0	01/19/23 13:06	
Bromochloromethane	ug/L	ND	1.0	01/19/23 13:06	
Bromodichloromethane	ug/L	ND	1.0	01/19/23 13:06	
Bromoform	ug/L	ND	1.0	01/19/23 13:06	
Bromomethane	ug/L	ND	2.5	01/19/23 13:06	
Carbon tetrachloride	ug/L	ND	1.0	01/19/23 13:06	
Chlorobenzene	ug/L	ND	1.0	01/19/23 13:06	
Chloroethane	ug/L	ND	1.0	01/19/23 13:06	
Chloroform	ug/L	ND	1.0	01/19/23 13:06	
Chloromethane	ug/L	ND	1.0	01/19/23 13:06	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/19/23 13:06	

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QUALITY CONTROL DATA

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

METHOD BLANK: 4560684 Matrix: Water
Associated Lab Samples: 10640202001, 10640202002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/19/23 13:06	
Dibromochloromethane	ug/L	ND	1.0	01/19/23 13:06	
Dibromomethane	ug/L	ND	1.0	01/19/23 13:06	
Dichlorodifluoromethane	ug/L	ND	1.0	01/19/23 13:06	
Dichlorofluoromethane	ug/L	ND	1.0	01/19/23 13:06	
Diethyl ether (Ethyl ether)	ug/L	ND	2.5	01/19/23 13:06	
Ethylbenzene	ug/L	ND	1.0	01/19/23 13:06	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/19/23 13:06	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/19/23 13:06	
m&p-Xylene	ug/L	ND	2.0	01/19/23 13:06	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/19/23 13:06	
Methylene Chloride	ug/L	ND	1.0	01/19/23 13:06	
n-Butylbenzene	ug/L	ND	1.0	01/19/23 13:06	
n-Propylbenzene	ug/L	ND	1.0	01/19/23 13:06	
Naphthalene	ug/L	ND	1.0	01/19/23 13:06	
o-Xylene	ug/L	ND	1.0	01/19/23 13:06	
p-Isopropyltoluene	ug/L	ND	1.0	01/19/23 13:06	
sec-Butylbenzene	ug/L	ND	1.0	01/19/23 13:06	
Styrene	ug/L	ND	1.0	01/19/23 13:06	
tert-Butylbenzene	ug/L	ND	1.0	01/19/23 13:06	
Tetrachloroethene	ug/L	ND	1.0	01/19/23 13:06	
Tetrahydrofuran	ug/L	ND	10.0	01/19/23 13:06	
Toluene	ug/L	ND	1.0	01/19/23 13:06	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/19/23 13:06	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/19/23 13:06	
Trichloroethene	ug/L	ND	1.0	01/19/23 13:06	
Trichlorofluoromethane	ug/L	ND	1.0	01/19/23 13:06	
Vinyl chloride	ug/L	ND	1.0	01/19/23 13:06	
Xylene (Total)	ug/L	ND	3.0	01/19/23 13:06	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125	01/19/23 13:06	
4-Bromofluorobenzene (S)	%.	101	75-125	01/19/23 13:06	
Toluene-d8 (S)	%.	99	75-125	01/19/23 13:06	

LABORATORY CONTROL SAMPLE & LCSD: 4560685 4560686

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.4	20.9	102	105	75-125	3	20	
1,1,1-Trichloroethane	ug/L	20	21.2	21.3	106	107	75-125	1	20	
1,1,2,2-Tetrachloroethane	ug/L	20	19.8	20.3	99	102	71-125	3	20	
1,1,2-Trichloroethane	ug/L	20	18.7	18.8	93	94	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.4	20.6	102	103	69-125	1	20	
1,1-Dichloroethane	ug/L	20	20.1	20.1	101	101	75-125	0	20	
1,1-Dichloroethene	ug/L	20	21.9	22.1	110	111	69-125	1	20	
1,1-Dichloropropene	ug/L	20	22.2	22.3	111	111	74-125	0	20	

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QUALITY CONTROL DATA

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

LABORATORY CONTROL SAMPLE & LCSD: 4560685 4560686

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichlorobenzene	ug/L	20	19.5	20.7	98	103	70-131	6	20	
1,2,3-Trichloropropane	ug/L	20	18.3	18.9	91	94	73-125	3	20	
1,2,4-Trichlorobenzene	ug/L	20	19.9	20.5	100	103	75-125	3	20	
1,2,4-Trimethylbenzene	ug/L	20	20.9	21.4	104	107	75-125	3	20	
1,2-Dibromo-3-chloropropane	ug/L	20	20.1	20.2	100	101	68-129	1	20	
1,2-Dibromoethane (EDB)	ug/L	20	18.3	18.2	91	91	75-125	0	20	
1,2-Dichlorobenzene	ug/L	20	19.8	20.3	99	102	75-125	2	20	
1,2-Dichloroethane	ug/L	20	18.8	18.5	94	93	75-125	2	20	
1,2-Dichloropropane	ug/L	20	19.7	20.1	98	101	75-125	2	20	
1,3,5-Trimethylbenzene	ug/L	20	21.4	22.3	107	111	75-125	4	20	
1,3-Dichlorobenzene	ug/L	20	20.1	20.8	100	104	75-125	3	20	
1,3-Dichloropropane	ug/L	20	18.1	18.3	90	92	75-125	1	20	
1,4-Dichlorobenzene	ug/L	20	19.3	20.1	96	100	75-125	4	20	
2,2-Dichloropropane	ug/L	20	22.9	23.1	115	115	65-125	1	20	
2-Butanone (MEK)	ug/L	100	87.4	85.7	87	86	61-131	2	20	
2-Chlorotoluene	ug/L	20	20.8	21.6	104	108	75-125	4	20	
4-Chlorotoluene	ug/L	20	20.7	21.1	104	106	75-125	2	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	89.3	88.5	89	89	62-142	1	20	
Acetone	ug/L	100	103	98.8	103	99	57-137	4	20	
Allyl chloride	ug/L	20	18.8	18.6	94	93	73-125	1	20	
Benzene	ug/L	20	19.5	19.8	97	99	75-125	2	20	
Bromobenzene	ug/L	20	18.7	19.9	94	99	75-125	6	20	
Bromochloromethane	ug/L	20	18.8	19.0	94	95	75-125	1	20	
Bromodichloromethane	ug/L	20	19.4	19.5	97	98	75-125	1	20	
Bromoform	ug/L	20	18.7	18.5	93	93	75-134	1	20	
Bromomethane	ug/L	20	12.8	14.2	64	71	32-150	10	20	
Carbon tetrachloride	ug/L	20	19.3	19.3	96	96	73-126	0	20	
Chlorobenzene	ug/L	20	19.5	20.0	98	100	75-125	2	20	
Chloroethane	ug/L	20	20.5	20.2	103	101	70-125	2	20	
Chloroform	ug/L	20	19.2	19.2	96	96	75-125	0	20	
Chloromethane	ug/L	20	16.8	16.3	84	81	65-125	3	20	
cis-1,2-Dichloroethene	ug/L	20	20.0	20.0	100	100	75-125	0	20	
cis-1,3-Dichloropropene	ug/L	20	18.9	19.2	94	96	75-125	2	20	
Dibromochloromethane	ug/L	20	19.3	20.0	97	100	75-125	3	20	
Dibromomethane	ug/L	20	17.8	18.0	89	90	75-125	1	20	
Dichlorodifluoromethane	ug/L	20	21.0	21.1	105	106	65-135	0	20	
Dichlorofluoromethane	ug/L	20	20.0	19.6	100	98	75-125	2	20	
Diethyl ether (Ethyl ether)	ug/L	20	20.0	19.7	100	99	75-125	2	20	
Ethylbenzene	ug/L	20	20.4	21.0	102	105	75-125	3	20	
Hexachloro-1,3-butadiene	ug/L	20	21.5	23.2	107	116	63-128	8	20	
Isopropylbenzene (Cumene)	ug/L	20	21.3	21.6	106	108	75-125	1	20	
m&p-Xylene	ug/L	40	41.7	42.7	104	107	75-125	2	20	
Methyl-tert-butyl ether	ug/L	20	18.3	18.1	91	91	75-125	1	20	
Methylene Chloride	ug/L	20	19.1	19.0	96	95	72-125	1	20	
n-Butylbenzene	ug/L	20	20.7	21.6	103	108	68-125	5	20	
n-Propylbenzene	ug/L	20	21.9	22.7	110	113	74-125	3	20	
Naphthalene	ug/L	20	17.3	17.9	87	90	67-140	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

LABORATORY CONTROL SAMPLE & LCSD: 4560685 4560686

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	20	19.7	20.1	98	100	75-125	2	20	
p-Isopropyltoluene	ug/L	20	21.4	22.2	107	111	75-126	4	20	
sec-Butylbenzene	ug/L	20	22.8	23.6	114	118	75-126	4	20	
Styrene	ug/L	20	19.4	19.7	97	99	75-139	2	20	
tert-Butylbenzene	ug/L	20	21.6	22.5	108	113	75-125	4	20	
Tetrachloroethene	ug/L	20	21.4	22.0	107	110	70-125	3	20	
Tetrahydrofuran	ug/L	100	95.9	95.5	96	95	63-145	0	20	
Toluene	ug/L	20	19.8	20.2	99	101	74-125	2	20	
trans-1,2-Dichloroethene	ug/L	20	20.5	20.5	102	103	75-125	0	20	
trans-1,3-Dichloropropene	ug/L	20	18.7	18.8	94	94	75-127	0	20	
Trichloroethene	ug/L	20	20.4	20.4	102	102	74-125	0	20	
Trichlorofluoromethane	ug/L	20	20.7	20.9	103	104	72-125	1	20	
Vinyl chloride	ug/L	20	20.4	19.9	102	99	66-125	3	20	
Xylene (Total)	ug/L	60	61.3	62.7	102	105	75-125	2	20	
1,2-Dichlorobenzene-d4 (S)	%.				100	100	75-125			
4-Bromofluorobenzene (S)	%.				99	100	75-125			
Toluene-d8 (S)	%.				99	98	75-125			

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QUALIFIERS

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 863595

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0206984-000 Carefree Marketpla
Pace Project No.: 10640202

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10640202001	**CWC Well #2**	EPA 8260D	863595		
10640202002	**Trip Blank**	EPA 8260D	863595		

Haley & Aldrich
400 E. Van Buren St. Suite 545
Phoenix, AZ 85004

Billing Information:

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: peshraghi@haleyaldrich.com

Email To: Pejman Eshraghi

Project Description: Canetree Marketplace

City/State Collected: Canetree, AZ

Please Circle: PT MT CT ET

Phone: 602-370-3443

Client Project # 0206984-000

Lab Project #

SDG #

Table #

Collected by (print): Pejman Eshraghi

Site/Facility ID #

P.O. #

Acctnum:

Template:

Prelogin:

PM:

PB:

Collected by (signature):

Immediately Packed on Ice N ____ Y ____

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs 8260	Remarks	Sample # (lab only)
CWC Well #2	✓	GW		1/17/2023	0930	3	✓		001
Trip Blank						1	✓		002

WO#: 10640202
10640202

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N
RAD Screen <0.5 mR/hr: __Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
	1/17/2023	1050		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 5.9°C Bottles Received:
	1-17-23	1800	FedEx	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			Pace	1/18/23 8:50

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

CNPAZ

DC#_Title: Excel Form Template
Effective Date:

Sample Condition Upon Receipt

Client Name: Haley & Aldrich

Project #: WO#: 10640202
PM: JMG Due Date: 02/01/23
CLIENT: Haley-Aldric

Courier: ☑ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 5923 7143 2116 ☐ 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) ☐ T4 (0254) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9(0727) ☐ 01339252/1710 **Type of Ice:** ☑ Wet ☐ Blue ☐ Dry ☐ None ☑ 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:** 6.2 °C
Correction Factor: +0.7 **Cooler Temp Corrected w/temp blank:** 5.9 °C

Average Corrected Temp (no temp blank only): _____ °C
☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☑ N/A, water sample/other: _____) **Date/Initials of Person Examining Contents:** 1/18/23 AR

Did samples originate in a quarantine zone within the United States: AL, AR, AZ 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 (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

Location (Check one): ☐ Duluth ☑ Minneapolis ☐ Virginia		**COMMENTS**
Chain of Custody Present and Filled Out?	☑ Yes ☐ No	1.
Chain of Custody Relinquished?	☑ Yes ☐ No	2.
Sampler Name and/or Signature on COC?	☑ Yes ☐ No ☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes ☐ No	4. If fecal: ☐ <8 hrs ☐ >8 hr, <24 ☐ No
Short Hold Time Analysis (<72 hr)?	☐ Yes ☑ No	5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E.coli ☐ BOD/cBOD ☐ Hex Chrom ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other _____
Rush Turn Around Time Requested?	☐ Yes ☑ No	6.
Sufficient Sample Volume?	☑ Yes ☐ No	7.
Correct Containers Used? -Pace Containers Used?	☑ Yes ☐ No ☐ N/A ☑ Yes ☐ No	8.
Containers Intact?	☑ Yes ☐ No	9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes ☐ No ☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other	☑ Yes ☐ No	11. **If no, write ID/Date/Time of container below:** ☐ See Exceptions ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐ Yes ☐ No ☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes ☐ No ☑ N/A	☐ NaOH ☐ HNO3 ☐ H2SO4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks--verify with PM first.)	☑ Yes ☐ No ☑ N/A	Positive for Residual Chlorine? ☐ Yes ☐ No ☐ See Exceptions ENV-FRM-MIN4-0142
		pH Paper Lot # Residual Chlorine: 0-6 Roll: 0-6 Strip: 0-14 Strip:
Headspace in Methyl Mercury Container?	☐ Yes ☐ No ☑ N/A	13.
Extra labels present on soil VOA or WIDRO containers?	☐ Yes ☐ No ☑ N/A	14. ☐ See Exceptions ENV-FRM-MIN4-0142
Headspace in VOA Vials (greater than 6mm)?	☐ Yes ☐ No ☑ N/A	
3 Trip Blanks Present?	☐ Yes ☑ No ☐ N/A	15.
Trip Blank Custody Seals Present?	☑ Yes ☐ No ☐ N/A	Pace Trip Blank Lot # (if purchased): IVON Pace

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Jenni Gross **Date:** 1/19/23

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: BGZ **Line:** 3

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

January 18, 2023

Pejman Eshraghi
Haley & Aldrich, Inc.
One Arizona Center
400 E. Van Buren St.,Suite 545
Phoenix, AZ 85004

RE: Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Dear Pejman Eshraghi:

Enclosed are the analytical results for sample(s) received by the laboratory on January 10, 2023. 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 January 18, 2023, to update the results for method 8260D on Pace samples 10639313005 and -006.

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

Sincerely,

Jennifer Gross
jennifer.gross@pacelabs.com
(612)607-1700
Project Manager

Enclosures

cc: Sylvia Schutter, Haley & Aldrich, Inc.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
GMP+ Certification #: GMP050884
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification (A2LA) #: R-036
North Dakota Certification (MN) #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
*Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10639313001	**MW-1-010923**	Water	01/09/23 08:45	01/10/23 10:00
10639313002	**MW-2-010923**	Water	01/09/23 09:00	01/10/23 10:00
10639313003	**MW-3-010923**	Water	01/09/23 08:30	01/10/23 10:00
10639313004	**MW-4-010923**	Water	01/09/23 07:00	01/10/23 10:00
10639313005	**MW-5-010923**	Water	01/09/23 09:25	01/10/23 10:00
10639313006	**MW-6-010923**	Water	01/09/23 09:40	01/10/23 10:00
10639313007	**MW-7-010923**	Water	01/09/23 07:15	01/10/23 10:00
10639313008	**MW-8-010923**	Water	01/09/23 06:35	01/10/23 10:00
10639313009	**MW-9-010923**	Water	01/09/23 08:15	01/10/23 10:00
10639313010	**MW-10-010923**	Water	01/09/23 09:50	01/10/23 10:00
10639313011	**MW-11-010923**	Water	01/09/23 08:05	01/10/23 10:00
10639313012	**MW-12-010923**	Water	01/09/23 07:50	01/10/23 10:00
10639313013	**MW-13S-010923**	Water	01/09/23 10:25	01/10/23 10:00
10639313014	**MW-13D-010923**	Water	01/09/23 10:45	01/10/23 10:00
10639313015	**MW-14S-010923**	Water	01/09/23 10:10	01/10/23 10:00
10639313016	**MW-15S-010923**	Water	01/09/23 11:05	01/10/23 10:00
10639313017	**MW-103S-010923**	Water	01/09/23 10:30	01/10/23 10:00
10639313018	**Trip Blank**	Water	01/09/23 00:00	01/10/23 10:00

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SAMPLE ANALYTE COUNT

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10639313001	**MW-1-010923**	EPA 8260D	JEM	72	PASI-M
10639313002	**MW-2-010923**	EPA 8260D	JEM	72	PASI-M
10639313003	**MW-3-010923**	EPA 8260D	JEM	72	PASI-M
10639313004	**MW-4-010923**	EPA 8260D	JEM	72	PASI-M
10639313005	**MW-5-010923**	EPA 8260D	JEM	72	PASI-M
10639313006	**MW-6-010923**	EPA 8260D	JEM	72	PASI-M
10639313007	**MW-7-010923**	EPA 8260D	JEM	72	PASI-M
10639313008	**MW-8-010923**	EPA 8260D	JEM	72	PASI-M
10639313009	**MW-9-010923**	EPA 8260D	JEM	72	PASI-M
10639313010	**MW-10-010923**	EPA 8260D	JEM	72	PASI-M
10639313011	**MW-11-010923**	EPA 8260D	JEM	72	PASI-M
10639313012	**MW-12-010923**	EPA 8260D	JEM	72	PASI-M
10639313013	**MW-13S-010923**	EPA 8260D	JEM	72	PASI-M
10639313014	**MW-13D-010923**	EPA 8260D	TKL	72	PASI-M
10639313015	**MW-14S-010923**	EPA 8260D	TKL	72	PASI-M
10639313016	**MW-15S-010923**	EPA 8260D	TKL	72	PASI-M
10639313017	**MW-103S-010923**	EPA 8260D	TKL	72	PASI-M
10639313018	**Trip Blank**	EPA 8260D	TKL	72	PASI-M

PASI-M = Pace Analytical Services - Minneapolis

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-1-010923 **Lab ID: 10639313001** Collected: 01/09/23 08:45 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 15:59	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 15:59	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 15:59	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 15:59	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 15:59	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 15:59	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 15:59	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 15:59	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 15:59	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 15:59	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 15:59	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 15:59	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 15:59	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 15:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 15:59	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 15:59	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 15:59	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 15:59	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 15:59	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 15:59	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 15:59	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 15:59	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 15:59	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 15:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 15:59	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 15:59	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 15:59	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 15:59	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 15:59	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 15:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 15:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 15:59	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 15:59	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 15:59	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 15:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 15:59	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 15:59	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 15:59	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 15:59	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 15:59	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 15:59	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 15:59	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 15:59	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 15:59	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 15:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 15:59	87-68-3	

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-1-010923 **Lab ID: 10639313001** Collected: 01/09/23 08:45 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 15:59	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 15:59	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 15:59	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 15:59	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 15:59	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/11/23 15:59	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 15:59	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 15:59	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 15:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 15:59	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 15:59	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 15:59	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 15:59	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 15:59	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 15:59	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 15:59	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 15:59	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 15:59	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 15:59	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 15:59	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 15:59	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 15:59	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 15:59	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		01/11/23 15:59	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		01/11/23 15:59	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		01/11/23 15:59	2037-26-5	

Pace Analytical Services, LLC
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(612)607-1700

ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-2-010923 **Lab ID: 10639313002** Collected: 01/09/23 09:00 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 18:06	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 18:06	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 18:06	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 18:06	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 18:06	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 18:06	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 18:06	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 18:06	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:06	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 18:06	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:06	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 18:06	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 18:06	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 18:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:06	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 18:06	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 18:06	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 18:06	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:06	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 18:06	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:06	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 18:06	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 18:06	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 18:06	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 18:06	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 18:06	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 18:06	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 18:06	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 18:06	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 18:06	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 18:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 18:06	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 18:06	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 18:06	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 18:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 18:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 18:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 18:06	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 18:06	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 18:06	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 18:06	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 18:06	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 18:06	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 18:06	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 18:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 18:06	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-2-010923 **Lab ID: 10639313002** Collected: 01/09/23 09:00 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 18:06	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 18:06	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 18:06	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 18:06	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 18:06	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/11/23 18:06	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 18:06	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 18:06	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 18:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 18:06	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 18:06	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 18:06	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 18:06	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 18:06	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 18:06	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 18:06	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 18:06	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 18:06	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 18:06	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 18:06	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 18:06	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 18:06	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 18:06	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1		01/11/23 18:06	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/11/23 18:06	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		01/11/23 18:06	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-3-010923 **Lab ID: 10639313003** Collected: 01/09/23 08:30 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/12/23 18:17	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/12/23 18:17	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/12/23 18:17	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/12/23 18:17	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/12/23 18:17	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/12/23 18:17	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/12/23 18:17	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/12/23 18:17	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/12/23 18:17	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/12/23 18:17	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/12/23 18:17	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/12/23 18:17	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/12/23 18:17	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/12/23 18:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/12/23 18:17	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/12/23 18:17	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/12/23 18:17	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/12/23 18:17	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/12/23 18:17	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/12/23 18:17	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/12/23 18:17	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/12/23 18:17	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/12/23 18:17	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/12/23 18:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/12/23 18:17	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/12/23 18:17	108-10-1	
Acetone	ND	ug/L	10.0	1		01/12/23 18:17	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/12/23 18:17	107-05-1	
Benzene	ND	ug/L	1.0	1		01/12/23 18:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/12/23 18:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/12/23 18:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/12/23 18:17	75-27-4	
Bromoform	**1.8**	ug/L	1.0	1		01/12/23 18:17	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/12/23 18:17	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/12/23 18:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/12/23 18:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/12/23 18:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/12/23 18:17	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/12/23 18:17	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/12/23 18:17	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/12/23 18:17	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/12/23 18:17	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/12/23 18:17	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/12/23 18:17	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/12/23 18:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/12/23 18:17	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-3-010923 **Lab ID: 10639313003** Collected: 01/09/23 08:30 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/12/23 18:17	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/12/23 18:17	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/12/23 18:17	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/12/23 18:17	91-20-3	
Styrene	ND	ug/L	1.0	1		01/12/23 18:17	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/12/23 18:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/12/23 18:17	109-99-9	
Toluene	ND	ug/L	1.0	1		01/12/23 18:17	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/12/23 18:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/12/23 18:17	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/12/23 18:17	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/12/23 18:17	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/12/23 18:17	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/12/23 18:17	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/12/23 18:17	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/12/23 18:17	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/12/23 18:17	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/12/23 18:17	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/12/23 18:17	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/12/23 18:17	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/12/23 18:17	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/12/23 18:17	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/12/23 18:17	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		01/12/23 18:17	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		01/12/23 18:17	460-00-4	
Toluene-d8 (S)	98	%.	75-125	1		01/12/23 18:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-4-010923 **Lab ID: 10639313004** Collected: 01/09/23 07:00 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 16:15	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 16:15	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 16:15	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 16:15	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 16:15	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 16:15	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 16:15	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 16:15	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:15	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 16:15	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:15	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 16:15	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 16:15	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 16:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:15	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 16:15	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 16:15	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 16:15	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:15	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 16:15	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:15	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 16:15	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 16:15	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 16:15	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 16:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 16:15	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 16:15	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 16:15	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 16:15	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 16:15	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 16:15	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 16:15	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 16:15	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 16:15	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 16:15	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 16:15	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 16:15	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 16:15	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 16:15	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 16:15	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 16:15	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 16:15	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 16:15	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 16:15	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 16:15	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 16:15	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-4-010923 **Lab ID: 10639313004** Collected: 01/09/23 07:00 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 16:15	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 16:15	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 16:15	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 16:15	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 16:15	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/11/23 16:15	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 16:15	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 16:15	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 16:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 16:15	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 16:15	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 16:15	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 16:15	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 16:15	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 16:15	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 16:15	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 16:15	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 16:15	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 16:15	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 16:15	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 16:15	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 16:15	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 16:15	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	98	%.	75-125	1		01/11/23 16:15	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		01/11/23 16:15	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		01/11/23 16:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-5-010923 **Lab ID: 10639313005** Collected: 01/09/23 09:25 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 16:47	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 16:47	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 16:47	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 16:47	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 16:47	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 16:47	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 16:47	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 16:47	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:47	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 16:47	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:47	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 16:47	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 16:47	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 16:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:47	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 16:47	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 16:47	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 16:47	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:47	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 16:47	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:47	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 16:47	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 16:47	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 16:47	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 16:47	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 16:47	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 16:47	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 16:47	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 16:47	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 16:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 16:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 16:47	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 16:47	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 16:47	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 16:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 16:47	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 16:47	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 16:47	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 16:47	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 16:47	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 16:47	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 16:47	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 16:47	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 16:47	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 16:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 16:47	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-5-010923 **Lab ID: 10639313005** Collected: 01/09/23 09:25 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 16:47	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 16:47	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 16:47	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 16:47	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 16:47	100-42-5	
Tetrachloroethene	**18.6**	ug/L	1.0	1		01/11/23 16:47	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 16:47	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 16:47	108-88-3	
Trichloroethene	**1.0**	ug/L	1.0	1		01/11/23 16:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 16:47	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 16:47	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 16:47	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 16:47	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 16:47	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 16:47	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 16:47	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 16:47	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 16:47	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 16:47	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 16:47	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 16:47	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 16:47	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 16:47	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1		01/11/23 16:47	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/11/23 16:47	460-00-4	
Toluene-d8 (S)	98	%.	75-125	1		01/11/23 16:47	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-6-010923 **Lab ID: 10639313006** Collected: 01/09/23 09:40 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 16:31	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 16:31	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 16:31	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 16:31	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 16:31	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 16:31	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 16:31	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 16:31	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:31	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 16:31	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:31	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 16:31	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 16:31	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 16:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:31	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 16:31	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 16:31	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 16:31	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:31	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 16:31	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 16:31	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 16:31	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 16:31	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 16:31	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 16:31	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 16:31	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 16:31	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 16:31	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 16:31	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 16:31	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 16:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 16:31	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 16:31	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 16:31	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 16:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 16:31	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 16:31	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 16:31	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 16:31	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 16:31	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 16:31	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 16:31	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 16:31	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 16:31	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 16:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 16:31	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-6-010923 **Lab ID: 10639313006** Collected: 01/09/23 09:40 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 16:31	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 16:31	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 16:31	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 16:31	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 16:31	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/11/23 16:31	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 16:31	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 16:31	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 16:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 16:31	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 16:31	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 16:31	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 16:31	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 16:31	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 16:31	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 16:31	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 16:31	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 16:31	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 16:31	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 16:31	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 16:31	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 16:31	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 16:31	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1		01/11/23 16:31	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/11/23 16:31	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		01/11/23 16:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-7-010923 **Lab ID: 10639313007** Collected: 01/09/23 07:15 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 17:03	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 17:03	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 17:03	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 17:03	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 17:03	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 17:03	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:03	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:03	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:03	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 17:03	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:03	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 17:03	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 17:03	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 17:03	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:03	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 17:03	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:03	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 17:03	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:03	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:03	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:03	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:03	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 17:03	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 17:03	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 17:03	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 17:03	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 17:03	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 17:03	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 17:03	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 17:03	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 17:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 17:03	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 17:03	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 17:03	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 17:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 17:03	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 17:03	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 17:03	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 17:03	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 17:03	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 17:03	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 17:03	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 17:03	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 17:03	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 17:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 17:03	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-7-010923 **Lab ID: 10639313007** Collected: 01/09/23 07:15 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 17:03	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 17:03	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 17:03	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 17:03	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 17:03	100-42-5	
Tetrachloroethene	**88.4**	ug/L	1.0	1		01/11/23 17:03	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 17:03	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 17:03	108-88-3	
Trichloroethene	**1.7**	ug/L	1.0	1		01/11/23 17:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 17:03	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 17:03	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 17:03	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:03	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:03	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 17:03	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:03	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 17:03	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 17:03	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 17:03	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:03	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:03	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:03	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:03	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1		01/11/23 17:03	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		01/11/23 17:03	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		01/11/23 17:03	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-8-010923 **Lab ID: 10639313008** Collected: 01/09/23 06:35 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/12/23 18:01	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/12/23 18:01	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/12/23 18:01	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/12/23 18:01	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/12/23 18:01	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/12/23 18:01	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/12/23 18:01	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/12/23 18:01	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/12/23 18:01	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/12/23 18:01	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/12/23 18:01	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/12/23 18:01	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/12/23 18:01	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/12/23 18:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/12/23 18:01	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/12/23 18:01	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/12/23 18:01	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/12/23 18:01	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/12/23 18:01	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/12/23 18:01	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/12/23 18:01	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/12/23 18:01	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/12/23 18:01	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/12/23 18:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/12/23 18:01	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/12/23 18:01	108-10-1	
Acetone	ND	ug/L	10.0	1		01/12/23 18:01	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/12/23 18:01	107-05-1	
Benzene	ND	ug/L	1.0	1		01/12/23 18:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/12/23 18:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/12/23 18:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/12/23 18:01	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/12/23 18:01	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/12/23 18:01	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/12/23 18:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/12/23 18:01	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/12/23 18:01	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/12/23 18:01	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/12/23 18:01	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/12/23 18:01	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/12/23 18:01	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/12/23 18:01	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/12/23 18:01	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/12/23 18:01	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/12/23 18:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/12/23 18:01	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-8-010923 **Lab ID: 10639313008** Collected: 01/09/23 06:35 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/12/23 18:01	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/12/23 18:01	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/12/23 18:01	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/12/23 18:01	91-20-3	
Styrene	ND	ug/L	1.0	1		01/12/23 18:01	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/12/23 18:01	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/12/23 18:01	109-99-9	
Toluene	ND	ug/L	1.0	1		01/12/23 18:01	108-88-3	
Trichloroethene	**1.8**	ug/L	1.0	1		01/12/23 18:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/12/23 18:01	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/12/23 18:01	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/12/23 18:01	1330-20-7	
cis-1,2-Dichloroethene	**3.2**	ug/L	1.0	1		01/12/23 18:01	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/12/23 18:01	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/12/23 18:01	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/12/23 18:01	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/12/23 18:01	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/12/23 18:01	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/12/23 18:01	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/12/23 18:01	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/12/23 18:01	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/12/23 18:01	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/12/23 18:01	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1		01/12/23 18:01	2199-69-1	
4-Bromofluorobenzene (S)	98	%.	75-125	1		01/12/23 18:01	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		01/12/23 18:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-9-010923 **Lab ID: 10639313009** Collected: 01/09/23 08:15 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 18:38	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 18:38	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 18:38	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 18:38	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 18:38	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 18:38	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 18:38	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 18:38	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:38	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 18:38	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:38	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 18:38	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 18:38	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 18:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:38	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 18:38	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 18:38	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 18:38	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:38	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 18:38	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:38	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 18:38	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 18:38	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 18:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 18:38	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 18:38	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 18:38	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 18:38	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 18:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 18:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 18:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 18:38	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 18:38	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 18:38	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 18:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 18:38	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 18:38	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 18:38	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 18:38	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 18:38	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 18:38	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 18:38	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 18:38	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 18:38	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 18:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 18:38	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-9-010923 **Lab ID: 10639313009** Collected: 01/09/23 08:15 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 18:38	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 18:38	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 18:38	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 18:38	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 18:38	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/11/23 18:38	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 18:38	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 18:38	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 18:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 18:38	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 18:38	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 18:38	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 18:38	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 18:38	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 18:38	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 18:38	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 18:38	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 18:38	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 18:38	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 18:38	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 18:38	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 18:38	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 18:38	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	102	%.	75-125	1		01/11/23 18:38	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/11/23 18:38	460-00-4	
Toluene-d8 (S)	97	%.	75-125	1		01/11/23 18:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-10-010923 **Lab ID: 10639313010** Collected: 01/09/23 09:50 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 17:19	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 17:19	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 17:19	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 17:19	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 17:19	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 17:19	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:19	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:19	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:19	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 17:19	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:19	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 17:19	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 17:19	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 17:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:19	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 17:19	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:19	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 17:19	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:19	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:19	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:19	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:19	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 17:19	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 17:19	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 17:19	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 17:19	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 17:19	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 17:19	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 17:19	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 17:19	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 17:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 17:19	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 17:19	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 17:19	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 17:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 17:19	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 17:19	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 17:19	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 17:19	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 17:19	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 17:19	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 17:19	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 17:19	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 17:19	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 17:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 17:19	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-10-010923 **Lab ID: 10639313010** Collected: 01/09/23 09:50 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 17:19	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 17:19	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 17:19	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 17:19	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 17:19	100-42-5	
Tetrachloroethene	**2.0**	ug/L	1.0	1		01/11/23 17:19	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 17:19	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 17:19	108-88-3	
Trichloroethene	**1.5**	ug/L	1.0	1		01/11/23 17:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 17:19	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 17:19	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 17:19	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:19	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:19	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 17:19	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:19	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 17:19	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 17:19	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 17:19	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:19	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:19	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:19	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:19	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		01/11/23 17:19	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		01/11/23 17:19	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		01/11/23 17:19	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-11-010923 **Lab ID: 10639313011** Collected: 01/09/23 08:05 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 17:51	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 17:51	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 17:51	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 17:51	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 17:51	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 17:51	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:51	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:51	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:51	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 17:51	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:51	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 17:51	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 17:51	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 17:51	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:51	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 17:51	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:51	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 17:51	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:51	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:51	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:51	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:51	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 17:51	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 17:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 17:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 17:51	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 17:51	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 17:51	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 17:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 17:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 17:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 17:51	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 17:51	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 17:51	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 17:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 17:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 17:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 17:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 17:51	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 17:51	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 17:51	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 17:51	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 17:51	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 17:51	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 17:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 17:51	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-11-010923 **Lab ID: 10639313011** Collected: 01/09/23 08:05 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 17:51	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 17:51	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 17:51	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 17:51	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 17:51	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/11/23 17:51	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 17:51	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 17:51	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 17:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 17:51	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 17:51	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 17:51	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:51	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:51	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 17:51	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:51	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 17:51	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 17:51	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 17:51	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:51	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:51	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:51	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:51	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125	1		01/11/23 17:51	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		01/11/23 17:51	460-00-4	
Toluene-d8 (S)	94	%.	75-125	1		01/11/23 17:51	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-12-010923 **Lab ID: 10639313012** Collected: 01/09/23 07:50 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 18:22	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 18:22	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 18:22	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 18:22	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 18:22	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 18:22	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 18:22	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 18:22	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:22	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 18:22	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:22	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 18:22	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 18:22	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 18:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:22	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 18:22	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 18:22	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 18:22	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:22	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 18:22	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 18:22	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 18:22	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 18:22	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 18:22	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 18:22	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 18:22	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 18:22	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 18:22	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 18:22	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 18:22	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 18:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 18:22	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 18:22	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 18:22	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 18:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 18:22	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 18:22	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 18:22	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 18:22	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 18:22	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 18:22	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 18:22	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 18:22	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 18:22	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 18:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 18:22	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-12-010923 **Lab ID: 10639313012** Collected: 01/09/23 07:50 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 18:22	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 18:22	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 18:22	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 18:22	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 18:22	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/11/23 18:22	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 18:22	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 18:22	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 18:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 18:22	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 18:22	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 18:22	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 18:22	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 18:22	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 18:22	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 18:22	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 18:22	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 18:22	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 18:22	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 18:22	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 18:22	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 18:22	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 18:22	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125	1		01/11/23 18:22	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/11/23 18:22	460-00-4	
Toluene-d8 (S)	98	%.	75-125	1		01/11/23 18:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-13S-010923 **Lab ID: 10639313013** Collected: 01/09/23 10:25 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 17:35	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 17:35	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 17:35	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 17:35	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 17:35	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 17:35	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:35	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:35	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:35	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 17:35	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:35	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 17:35	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 17:35	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 17:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:35	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 17:35	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:35	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 17:35	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:35	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:35	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 17:35	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 17:35	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 17:35	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 17:35	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 17:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 17:35	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 17:35	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 17:35	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 17:35	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 17:35	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 17:35	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 17:35	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 17:35	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 17:35	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 17:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 17:35	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 17:35	75-00-3	
Chloroform	**1.2**	ug/L	1.0	1		01/11/23 17:35	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 17:35	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 17:35	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 17:35	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 17:35	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 17:35	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 17:35	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 17:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 17:35	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-13S-010923 **Lab ID: 10639313013** Collected: 01/09/23 10:25 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 17:35	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 17:35	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 17:35	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 17:35	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 17:35	100-42-5	
Tetrachloroethene	**23.0**	ug/L	1.0	1		01/11/23 17:35	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 17:35	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 17:35	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 17:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 17:35	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 17:35	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 17:35	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:35	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:35	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 17:35	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:35	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 17:35	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 17:35	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 17:35	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:35	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 17:35	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 17:35	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 17:35	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1		01/11/23 17:35	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/11/23 17:35	460-00-4	
Toluene-d8 (S)	99	%.	75-125	1		01/11/23 17:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-13D-010923 **Lab ID: 10639313014** Collected: 01/09/23 10:45 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 21:26	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 21:26	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 21:26	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 21:26	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 21:26	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 21:26	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 21:26	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 21:26	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:26	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 21:26	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:26	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 21:26	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 21:26	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 21:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:26	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 21:26	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 21:26	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 21:26	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:26	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 21:26	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:26	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 21:26	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 21:26	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 21:26	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 21:26	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 21:26	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 21:26	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 21:26	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 21:26	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 21:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 21:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 21:26	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 21:26	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 21:26	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 21:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 21:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 21:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 21:26	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 21:26	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 21:26	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 21:26	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 21:26	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 21:26	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 21:26	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 21:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 21:26	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-13D-010923 **Lab ID: 10639313014** Collected: 01/09/23 10:45 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 21:26	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 21:26	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 21:26	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 21:26	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 21:26	100-42-5	
Tetrachloroethene	**9.1**	ug/L	1.0	1		01/11/23 21:26	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 21:26	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 21:26	108-88-3	
Trichloroethene	**4.0**	ug/L	1.0	1		01/11/23 21:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 21:26	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 21:26	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 21:26	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 21:26	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 21:26	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 21:26	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 21:26	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 21:26	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 21:26	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 21:26	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 21:26	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 21:26	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 21:26	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 21:26	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	99	%.	75-125	1		01/11/23 21:26	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/11/23 21:26	460-00-4	
Toluene-d8 (S)	101	%.	75-125	1		01/11/23 21:26	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-14S-010923 **Lab ID: 10639313015** Collected: 01/09/23 10:10 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 21:41	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 21:41	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 21:41	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 21:41	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 21:41	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 21:41	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 21:41	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 21:41	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:41	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 21:41	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:41	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 21:41	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 21:41	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 21:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:41	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 21:41	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 21:41	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 21:41	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:41	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 21:41	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:41	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 21:41	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 21:41	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 21:41	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 21:41	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 21:41	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 21:41	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 21:41	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 21:41	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 21:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 21:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 21:41	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 21:41	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 21:41	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 21:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 21:41	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 21:41	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 21:41	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 21:41	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 21:41	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 21:41	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 21:41	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 21:41	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 21:41	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 21:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 21:41	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-14S-010923 **Lab ID: 10639313015** Collected: 01/09/23 10:10 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 21:41	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 21:41	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 21:41	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 21:41	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 21:41	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/11/23 21:41	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 21:41	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 21:41	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 21:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 21:41	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 21:41	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 21:41	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 21:41	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 21:41	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 21:41	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 21:41	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 21:41	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 21:41	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 21:41	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 21:41	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 21:41	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 21:41	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 21:41	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	101	%.	75-125	1		01/11/23 21:41	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/11/23 21:41	460-00-4	
Toluene-d8 (S)	101	%.	75-125	1		01/11/23 21:41	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-15S-010923 **Lab ID: 10639313016** Collected: 01/09/23 11:05 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 21:57	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 21:57	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 21:57	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 21:57	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 21:57	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 21:57	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 21:57	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 21:57	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:57	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 21:57	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:57	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 21:57	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 21:57	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 21:57	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:57	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 21:57	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 21:57	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 21:57	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:57	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 21:57	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 21:57	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 21:57	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 21:57	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 21:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 21:57	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 21:57	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 21:57	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 21:57	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 21:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 21:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 21:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 21:57	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 21:57	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 21:57	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 21:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 21:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 21:57	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 21:57	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 21:57	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 21:57	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 21:57	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 21:57	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 21:57	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 21:57	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 21:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 21:57	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-15S-010923 **Lab ID: 10639313016** Collected: 01/09/23 11:05 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 21:57	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 21:57	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 21:57	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 21:57	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 21:57	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/11/23 21:57	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 21:57	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 21:57	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 21:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 21:57	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 21:57	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 21:57	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 21:57	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 21:57	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 21:57	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 21:57	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 21:57	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 21:57	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 21:57	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 21:57	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 21:57	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 21:57	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 21:57	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		01/11/23 21:57	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/11/23 21:57	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		01/11/23 21:57	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-103S-010923 **Lab ID: 10639313017** Collected: 01/09/23 10:30 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 22:12	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 22:12	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 22:12	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 22:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 22:12	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 22:12	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 22:12	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 22:12	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 22:12	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 22:12	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 22:12	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 22:12	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 22:12	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 22:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 22:12	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 22:12	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 22:12	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 22:12	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 22:12	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 22:12	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 22:12	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 22:12	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 22:12	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 22:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 22:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 22:12	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 22:12	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 22:12	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 22:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 22:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 22:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 22:12	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 22:12	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 22:12	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 22:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 22:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 22:12	75-00-3	
Chloroform	**1.2**	ug/L	1.0	1		01/11/23 22:12	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 22:12	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 22:12	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 22:12	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 22:12	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 22:12	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 22:12	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 22:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 22:12	87-68-3	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: MW-103S-010923 **Lab ID: 10639313017** Collected: 01/09/23 10:30 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 22:12	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 22:12	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 22:12	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 22:12	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 22:12	100-42-5	
Tetrachloroethene	**22.8**	ug/L	1.0	1		01/11/23 22:12	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 22:12	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 22:12	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 22:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 22:12	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 22:12	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 22:12	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 22:12	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 22:12	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 22:12	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 22:12	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 22:12	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 22:12	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 22:12	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 22:12	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 22:12	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 22:12	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 22:12	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		01/11/23 22:12	2199-69-1	
4-Bromofluorobenzene (S)	99	%.	75-125	1		01/11/23 22:12	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		01/11/23 22:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: Trip Blank **Lab ID: 10639313018** Collected: 01/09/23 00:00 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 19:09	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/11/23 19:09	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/11/23 19:09	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/11/23 19:09	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/11/23 19:09	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/11/23 19:09	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/11/23 19:09	75-35-4	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/11/23 19:09	563-58-6	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 19:09	87-61-6	
1,2,3-Trichloropropane	ND	ug/L	2.5	1		01/11/23 19:09	96-18-4	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/11/23 19:09	120-82-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 19:09	95-63-6	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.5	1		01/11/23 19:09	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/11/23 19:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 19:09	95-50-1	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/11/23 19:09	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 19:09	78-87-5	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/11/23 19:09	108-67-8	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 19:09	541-73-1	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/11/23 19:09	142-28-9	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/11/23 19:09	106-46-7	
2,2-Dichloropropane	ND	ug/L	1.0	1		01/11/23 19:09	594-20-7	
2-Butanone (MEK)	ND	ug/L	10.0	1		01/11/23 19:09	78-93-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 19:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/11/23 19:09	106-43-4	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	1		01/11/23 19:09	108-10-1	
Acetone	ND	ug/L	10.0	1		01/11/23 19:09	67-64-1	
Allyl chloride	ND	ug/L	2.5	1		01/11/23 19:09	107-05-1	
Benzene	ND	ug/L	1.0	1		01/11/23 19:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/11/23 19:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/11/23 19:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/11/23 19:09	75-27-4	
Bromoform	ND	ug/L	1.0	1		01/11/23 19:09	75-25-2	
Bromomethane	ND	ug/L	2.5	1		01/11/23 19:09	74-83-9	
Carbon tetrachloride	ND	ug/L	1.0	1		01/11/23 19:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/11/23 19:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		01/11/23 19:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/11/23 19:09	67-66-3	
Chloromethane	ND	ug/L	1.0	1		01/11/23 19:09	74-87-3	
Dibromochloromethane	ND	ug/L	1.0	1		01/11/23 19:09	124-48-1	
Dibromomethane	ND	ug/L	1.0	1		01/11/23 19:09	74-95-3	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/11/23 19:09	75-71-8	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 19:09	75-43-4	
Diethyl ether (Ethyl ether)	ND	ug/L	2.5	1		01/11/23 19:09	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/11/23 19:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/11/23 19:09	87-68-3	

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Sample: Trip Blank **Lab ID: 10639313018** Collected: 01/09/23 00:00 Received: 01/10/23 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260D VOC	Analytical Method: EPA 8260D							
	Pace Analytical Services - Minneapolis							
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/11/23 19:09	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/11/23 19:09	1634-04-4	
Methylene Chloride	ND	ug/L	2.0	1		01/11/23 19:09	75-09-2	
Naphthalene	ND	ug/L	1.0	1		01/11/23 19:09	91-20-3	
Styrene	ND	ug/L	1.0	1		01/11/23 19:09	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	1		01/11/23 19:09	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/11/23 19:09	109-99-9	
Toluene	ND	ug/L	1.0	1		01/11/23 19:09	108-88-3	
Trichloroethene	ND	ug/L	1.0	1		01/11/23 19:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/11/23 19:09	75-69-4	
Vinyl chloride	ND	ug/L	1.0	1		01/11/23 19:09	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/11/23 19:09	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 19:09	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 19:09	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	1		01/11/23 19:09	179601-23-1	
n-Butylbenzene	ND	ug/L	1.0	1		01/11/23 19:09	104-51-8	
n-Propylbenzene	ND	ug/L	1.0	1		01/11/23 19:09	103-65-1	
o-Xylene	ND	ug/L	1.0	1		01/11/23 19:09	95-47-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/11/23 19:09	99-87-6	
sec-Butylbenzene	ND	ug/L	1.0	1		01/11/23 19:09	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/11/23 19:09	98-06-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/11/23 19:09	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		01/11/23 19:09	10061-02-6	
Surrogates								
1,2-Dichlorobenzene-d4 (S)	100	%.	75-125	1		01/11/23 19:09	2199-69-1	
4-Bromofluorobenzene (S)	100	%.	75-125	1		01/11/23 19:09	460-00-4	
Toluene-d8 (S)	100	%.	75-125	1		01/11/23 19:09	2037-26-5	

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QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

QC Batch: 862224
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10639313001, 10639313002, 10639313004, 10639313005, 10639313006, 10639313007, 10639313009, 10639313010, 10639313011, 10639313012, 10639313013

METHOD BLANK: 4554347
Matrix: Water
Associated Lab Samples: 10639313001, 10639313002, 10639313004, 10639313005, 10639313006, 10639313007, 10639313009, 10639313010, 10639313011, 10639313012, 10639313013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/11/23 13:52	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/11/23 13:52	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/11/23 13:52	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/11/23 13:52	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	01/11/23 13:52	
1,1-Dichloroethane	ug/L	ND	1.0	01/11/23 13:52	
1,1-Dichloroethene	ug/L	ND	1.0	01/11/23 13:52	
1,1-Dichloropropene	ug/L	ND	1.0	01/11/23 13:52	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/11/23 13:52	
1,2,3-Trichloropropane	ug/L	ND	2.5	01/11/23 13:52	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/11/23 13:52	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/11/23 13:52	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	01/11/23 13:52	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/11/23 13:52	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/11/23 13:52	
1,2-Dichloroethane	ug/L	ND	1.0	01/11/23 13:52	
1,2-Dichloropropane	ug/L	ND	1.0	01/11/23 13:52	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/11/23 13:52	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/11/23 13:52	
1,3-Dichloropropane	ug/L	ND	1.0	01/11/23 13:52	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/11/23 13:52	
2,2-Dichloropropane	ug/L	ND	1.0	01/11/23 13:52	
2-Butanone (MEK)	ug/L	ND	10.0	01/11/23 13:52	
2-Chlorotoluene	ug/L	ND	1.0	01/11/23 13:52	
4-Chlorotoluene	ug/L	ND	1.0	01/11/23 13:52	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	01/11/23 13:52	
Acetone	ug/L	ND	10.0	01/11/23 13:52	
Allyl chloride	ug/L	ND	2.5	01/11/23 13:52	
Benzene	ug/L	ND	1.0	01/11/23 13:52	
Bromobenzene	ug/L	ND	1.0	01/11/23 13:52	
Bromochloromethane	ug/L	ND	1.0	01/11/23 13:52	
Bromodichloromethane	ug/L	ND	1.0	01/11/23 13:52	
Bromoform	ug/L	ND	1.0	01/11/23 13:52	
Bromomethane	ug/L	ND	2.5	01/11/23 13:52	
Carbon tetrachloride	ug/L	ND	1.0	01/11/23 13:52	
Chlorobenzene	ug/L	ND	1.0	01/11/23 13:52	
Chloroethane	ug/L	ND	1.0	01/11/23 13:52	
Chloroform	ug/L	ND	1.0	01/11/23 13:52	
Chloromethane	ug/L	ND	1.0	01/11/23 13:52	

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QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

METHOD BLANK: 4554347 Matrix: Water

Associated Lab Samples: 10639313001, 10639313002, 10639313004, 10639313005, 10639313006, 10639313007, 10639313009, 10639313010, 10639313011, 10639313012, 10639313013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/11/23 13:52	
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/11/23 13:52	
Dibromochloromethane	ug/L	ND	1.0	01/11/23 13:52	
Dibromomethane	ug/L	ND	1.0	01/11/23 13:52	
Dichlorodifluoromethane	ug/L	ND	1.0	01/11/23 13:52	
Dichlorofluoromethane	ug/L	ND	1.0	01/11/23 13:52	
Diethyl ether (Ethyl ether)	ug/L	ND	2.5	01/11/23 13:52	
Ethylbenzene	ug/L	ND	1.0	01/11/23 13:52	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/11/23 13:52	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/11/23 13:52	
m&p-Xylene	ug/L	ND	2.0	01/11/23 13:52	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/11/23 13:52	
Methylene Chloride	ug/L	ND	2.0	01/11/23 13:52	MN
n-Butylbenzene	ug/L	ND	1.0	01/11/23 13:52	
n-Propylbenzene	ug/L	ND	1.0	01/11/23 13:52	
Naphthalene	ug/L	ND	1.0	01/11/23 13:52	
o-Xylene	ug/L	ND	1.0	01/11/23 13:52	
p-Isopropyltoluene	ug/L	ND	1.0	01/11/23 13:52	
sec-Butylbenzene	ug/L	ND	1.0	01/11/23 13:52	
Styrene	ug/L	ND	1.0	01/11/23 13:52	
tert-Butylbenzene	ug/L	ND	1.0	01/11/23 13:52	
Tetrachloroethene	ug/L	ND	1.0	01/11/23 13:52	
Tetrahydrofuran	ug/L	ND	10.0	01/11/23 13:52	
Toluene	ug/L	ND	1.0	01/11/23 13:52	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/11/23 13:52	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/11/23 13:52	
Trichloroethene	ug/L	ND	1.0	01/11/23 13:52	
Trichlorofluoromethane	ug/L	ND	1.0	01/11/23 13:52	
Vinyl chloride	ug/L	ND	1.0	01/11/23 13:52	
Xylene (Total)	ug/L	ND	3.0	01/11/23 13:52	
1,2-Dichlorobenzene-d4 (S)	%.	99	75-125	01/11/23 13:52	
4-Bromofluorobenzene (S)	%.	100	75-125	01/11/23 13:52	
Toluene-d8 (S)	%.	100	75-125	01/11/23 13:52	

LABORATORY CONTROL SAMPLE & LCSD: 4554348 4554349

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	19.1	95	95	75-125	0	20	
1,1,1-Trichloroethane	ug/L	20	18.8	18.7	94	93	75-125	1	20	
1,1,2,2-Tetrachloroethane	ug/L	20	18.2	18.1	91	90	71-125	1	20	
1,1,2-Trichloroethane	ug/L	20	18.0	17.8	90	89	75-125	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.8	20.2	99	101	69-125	2	20	
1,1-Dichloroethane	ug/L	20	18.5	18.3	92	91	75-125	1	20	

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QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

LABORATORY CONTROL SAMPLE & LCSD: 4554348 4554349

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/L	20	19.4	19.2	97	96	69-125	1	20	
1,1-Dichloropropene	ug/L	20	19.1	19.1	96	95	74-125	0	20	
1,2,3-Trichlorobenzene	ug/L	20	18.8	19.4	94	97	70-131	3	20	
1,2,3-Trichloropropane	ug/L	20	19.4	18.9	97	95	73-125	3	20	
1,2,4-Trichlorobenzene	ug/L	20	20.0	19.1	100	96	75-125	4	20	
1,2,4-Trimethylbenzene	ug/L	20	19.7	19.4	99	97	75-125	2	20	
1,2-Dibromo-3-chloropropane	ug/L	20	18.4	18.1	92	90	68-129	2	20	
1,2-Dibromoethane (EDB)	ug/L	20	18.2	18.1	91	91	75-125	0	20	
1,2-Dichlorobenzene	ug/L	20	19.0	19.0	95	95	75-125	0	20	
1,2-Dichloroethane	ug/L	20	18.3	17.8	91	89	75-125	3	20	
1,2-Dichloropropane	ug/L	20	18.0	17.8	90	89	75-125	2	20	
1,3,5-Trimethylbenzene	ug/L	20	19.8	19.8	99	99	75-125	0	20	
1,3-Dichlorobenzene	ug/L	20	19.5	19.4	98	97	75-125	1	20	
1,3-Dichloropropane	ug/L	20	18.3	18.1	92	91	75-125	1	20	
1,4-Dichlorobenzene	ug/L	20	19.1	19.3	96	96	75-125	1	20	
2,2-Dichloropropane	ug/L	20	19.7	19.4	99	97	65-125	2	20	
2-Butanone (MEK)	ug/L	100	81.6	78.3	82	78	61-131	4	20	
2-Chlorotoluene	ug/L	20	18.7	18.8	94	94	75-125	0	20	
4-Chlorotoluene	ug/L	20	18.9	18.9	95	95	75-125	0	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	86.3	84.5	86	84	62-142	2	20	
Acetone	ug/L	100	78.5	78.8	78	79	57-137	0	20	
Allyl chloride	ug/L	20	18.2	17.7	91	89	73-125	2	20	
Benzene	ug/L	20	18.2	18.0	91	90	75-125	1	20	
Bromobenzene	ug/L	20	19.1	18.7	95	94	75-125	2	20	
Bromochloromethane	ug/L	20	18.2	18.2	91	91	75-125	0	20	
Bromodichloromethane	ug/L	20	18.2	17.9	91	90	75-125	2	20	
Bromoform	ug/L	20	19.4	19.0	97	95	75-134	2	20	
Bromomethane	ug/L	20	22.3	22.6	111	113	32-150	1	20	
Carbon tetrachloride	ug/L	20	19.0	19.2	95	96	73-126	1	20	
Chlorobenzene	ug/L	20	18.5	18.7	92	93	75-125	1	20	
Chloroethane	ug/L	20	18.1	17.8	91	89	70-125	2	20	
Chloroform	ug/L	20	18.1	17.8	91	89	75-125	2	20	
Chloromethane	ug/L	20	18.6	17.8	93	89	65-125	4	20	
cis-1,2-Dichloroethene	ug/L	20	18.6	18.2	93	91	75-125	2	20	
cis-1,3-Dichloropropene	ug/L	20	18.5	18.1	92	91	75-125	2	20	
Dibromochloromethane	ug/L	20	18.9	18.6	94	93	75-125	1	20	
Dibromomethane	ug/L	20	17.8	17.6	89	88	75-125	1	20	
Dichlorodifluoromethane	ug/L	20	20.4	20.9	102	104	65-135	2	20	
Dichlorofluoromethane	ug/L	20	17.5	17.4	88	87	75-125	1	20	
Diethyl ether (Ethyl ether)	ug/L	20	19.2	18.5	96	93	75-125	4	20	
Ethylbenzene	ug/L	20	19.1	18.9	96	94	75-125	1	20	
Hexachloro-1,3-butadiene	ug/L	20	21.6	21.7	108	109	63-128	1	20	
Isopropylbenzene (Cumene)	ug/L	20	19.8	19.6	99	98	75-125	1	20	
m&p-Xylene	ug/L	40	39.1	38.4	98	96	75-125	2	20	
Methyl-tert-butyl ether	ug/L	20	17.8	17.6	89	88	75-125	1	20	
Methylene Chloride	ug/L	20	18.6	18.6	93	93	72-125	0	20	
n-Butylbenzene	ug/L	20	19.1	19.2	95	96	68-125	0	20	

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QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

LABORATORY CONTROL SAMPLE & LCSD: 4554348 4554349

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
n-Propylbenzene	ug/L	20	19.8	19.7	99	99	74-125	0	20	
Naphthalene	ug/L	20	18.5	18.3	92	92	67-140	1	20	
o-Xylene	ug/L	20	19.0	18.9	95	95	75-125	0	20	
p-Isopropyltoluene	ug/L	20	20.2	20.3	101	102	75-126	1	20	
sec-Butylbenzene	ug/L	20	20.3	20.4	101	102	75-126	1	20	
Styrene	ug/L	20	19.1	18.9	96	95	75-139	1	20	
tert-Butylbenzene	ug/L	20	19.9	20.0	100	100	75-125	0	20	
Tetrachloroethene	ug/L	20	19.7	20.1	98	100	70-125	2	20	
Tetrahydrofuran	ug/L	100	91.9	88.1	92	88	63-145	4	20	
Toluene	ug/L	20	18.3	18.0	91	90	74-125	2	20	
trans-1,2-Dichloroethene	ug/L	20	19.1	18.9	96	95	75-125	1	20	
trans-1,3-Dichloropropene	ug/L	20	18.7	18.5	93	92	75-127	1	20	
Trichloroethene	ug/L	20	18.7	18.6	94	93	74-125	0	20	
Trichlorofluoromethane	ug/L	20	19.1	19.5	96	97	72-125	2	20	
Vinyl chloride	ug/L	20	19.5	19.5	98	98	66-125	0	20	
Xylene (Total)	ug/L	60	58.0	57.3	97	95	75-125	1	20	
1,2-Dichlorobenzene-d4 (S)	%.				100	100	75-125			
4-Bromofluorobenzene (S)	%.				98	99	75-125			
Toluene-d8 (S)	%.				98	98	75-125			

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.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

QC Batch: 862236
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10639313014, 10639313015, 10639313016, 10639313017, 10639313018

METHOD BLANK: 4554379
Matrix: Water
Associated Lab Samples: 10639313014, 10639313015, 10639313016, 10639313017, 10639313018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/11/23 18:54	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/11/23 18:54	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/11/23 18:54	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/11/23 18:54	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	01/11/23 18:54	
1,1-Dichloroethane	ug/L	ND	1.0	01/11/23 18:54	
1,1-Dichloroethene	ug/L	ND	1.0	01/11/23 18:54	
1,1-Dichloropropene	ug/L	ND	1.0	01/11/23 18:54	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/11/23 18:54	
1,2,3-Trichloropropane	ug/L	ND	2.5	01/11/23 18:54	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/11/23 18:54	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/11/23 18:54	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	01/11/23 18:54	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/11/23 18:54	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/11/23 18:54	
1,2-Dichloroethane	ug/L	ND	1.0	01/11/23 18:54	
1,2-Dichloropropane	ug/L	ND	1.0	01/11/23 18:54	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/11/23 18:54	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/11/23 18:54	
1,3-Dichloropropane	ug/L	ND	1.0	01/11/23 18:54	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/11/23 18:54	
2,2-Dichloropropane	ug/L	ND	1.0	01/11/23 18:54	
2-Butanone (MEK)	ug/L	ND	10.0	01/11/23 18:54	
2-Chlorotoluene	ug/L	ND	1.0	01/11/23 18:54	
4-Chlorotoluene	ug/L	ND	1.0	01/11/23 18:54	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	01/11/23 18:54	
Acetone	ug/L	ND	10.0	01/11/23 18:54	
Allyl chloride	ug/L	ND	2.5	01/11/23 18:54	
Benzene	ug/L	ND	1.0	01/11/23 18:54	
Bromobenzene	ug/L	ND	1.0	01/11/23 18:54	
Bromochloromethane	ug/L	ND	1.0	01/11/23 18:54	
Bromodichloromethane	ug/L	ND	1.0	01/11/23 18:54	
Bromoform	ug/L	ND	1.0	01/11/23 18:54	
Bromomethane	ug/L	ND	2.5	01/11/23 18:54	
Carbon tetrachloride	ug/L	ND	1.0	01/11/23 18:54	
Chlorobenzene	ug/L	ND	1.0	01/11/23 18:54	
Chloroethane	ug/L	ND	1.0	01/11/23 18:54	
Chloroform	ug/L	ND	1.0	01/11/23 18:54	
Chloromethane	ug/L	ND	1.0	01/11/23 18:54	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/11/23 18:54	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

METHOD BLANK: 4554379 Matrix: Water
Associated Lab Samples: 10639313014, 10639313015, 10639313016, 10639313017, 10639313018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/11/23 18:54	
Dibromochloromethane	ug/L	ND	1.0	01/11/23 18:54	
Dibromomethane	ug/L	ND	1.0	01/11/23 18:54	
Dichlorodifluoromethane	ug/L	ND	1.0	01/11/23 18:54	
Dichlorofluoromethane	ug/L	ND	1.0	01/11/23 18:54	
Diethyl ether (Ethyl ether)	ug/L	ND	2.5	01/11/23 18:54	
Ethylbenzene	ug/L	ND	1.0	01/11/23 18:54	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/11/23 18:54	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/11/23 18:54	
m&p-Xylene	ug/L	ND	2.0	01/11/23 18:54	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/11/23 18:54	
Methylene Chloride	ug/L	ND	2.0	01/11/23 18:54	MN
n-Butylbenzene	ug/L	ND	1.0	01/11/23 18:54	
n-Propylbenzene	ug/L	ND	1.0	01/11/23 18:54	
Naphthalene	ug/L	ND	1.0	01/11/23 18:54	
o-Xylene	ug/L	ND	1.0	01/11/23 18:54	
p-Isopropyltoluene	ug/L	ND	1.0	01/11/23 18:54	
sec-Butylbenzene	ug/L	ND	1.0	01/11/23 18:54	
Styrene	ug/L	ND	1.0	01/11/23 18:54	
tert-Butylbenzene	ug/L	ND	1.0	01/11/23 18:54	
Tetrachloroethene	ug/L	ND	1.0	01/11/23 18:54	
Tetrahydrofuran	ug/L	ND	10.0	01/11/23 18:54	
Toluene	ug/L	ND	1.0	01/11/23 18:54	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/11/23 18:54	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/11/23 18:54	
Trichloroethene	ug/L	ND	1.0	01/11/23 18:54	
Trichlorofluoromethane	ug/L	ND	1.0	01/11/23 18:54	
Vinyl chloride	ug/L	ND	1.0	01/11/23 18:54	
Xylene (Total)	ug/L	ND	3.0	01/11/23 18:54	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125	01/11/23 18:54	
4-Bromofluorobenzene (S)	%.	99	75-125	01/11/23 18:54	
Toluene-d8 (S)	%.	101	75-125	01/11/23 18:54	

LABORATORY CONTROL SAMPLE & LCSD: 4554380 4554381

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.7	20.5	104	102	75-125	1	20	
1,1,1-Trichloroethane	ug/L	20	20.3	20.6	101	103	75-125	2	20	
1,1,2,2-Tetrachloroethane	ug/L	20	20.7	20.3	104	102	71-125	2	20	
1,1,2-Trichloroethane	ug/L	20	21.6	21.6	108	108	75-125	0	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.2	21.2	101	106	69-125	5	20	
1,1-Dichloroethane	ug/L	20	20.0	20.1	100	100	75-125	1	20	
1,1-Dichloroethene	ug/L	20	21.2	21.6	106	108	69-125	2	20	
1,1-Dichloropropene	ug/L	20	20.3	20.6	102	103	74-125	1	20	

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Pace Analytical Services, LLC
1700 Elm Street
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(612)607-1700

QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

LABORATORY CONTROL SAMPLE & LCSD: 4554380 4554381

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichlorobenzene	ug/L	20	18.6	22.6	93	113	70-131	19	20	
1,2,3-Trichloropropane	ug/L	20	21.5	21.8	108	109	73-125	1	20	
1,2,4-Trichlorobenzene	ug/L	20	19.2	22.0	96	110	75-125	14	20	
1,2,4-Trimethylbenzene	ug/L	20	19.6	19.9	98	99	75-125	2	20	
1,2-Dibromo-3-chloropropane	ug/L	20	19.6	20.3	98	102	68-129	4	20	
1,2-Dibromoethane (EDB)	ug/L	20	21.4	21.7	107	109	75-125	1	20	
1,2-Dichlorobenzene	ug/L	20	19.7	20.5	99	102	75-125	4	20	
1,2-Dichloroethane	ug/L	20	21.5	21.5	107	108	75-125	0	20	
1,2-Dichloropropane	ug/L	20	22.1	21.9	110	110	75-125	1	20	
1,3,5-Trimethylbenzene	ug/L	20	19.7	19.9	98	100	75-125	1	20	
1,3-Dichlorobenzene	ug/L	20	20.1	20.1	101	101	75-125	0	20	
1,3-Dichloropropane	ug/L	20	20.4	20.4	102	102	75-125	0	20	
1,4-Dichlorobenzene	ug/L	20	19.9	20.2	100	101	75-125	1	20	
2,2-Dichloropropane	ug/L	20	20.9	21.0	105	105	65-125	0	20	
2-Butanone (MEK)	ug/L	100	96.9	97.1	97	97	61-131	0	20	
2-Chlorotoluene	ug/L	20	19.6	19.7	98	99	75-125	1	20	
4-Chlorotoluene	ug/L	20	19.5	19.6	97	98	75-125	1	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	101	103	101	103	62-142	1	20	
Acetone	ug/L	100	108	110	108	110	57-137	2	20	
Allyl chloride	ug/L	20	18.9	18.9	94	95	73-125	0	20	
Benzene	ug/L	20	19.7	19.5	98	97	75-125	1	20	
Bromobenzene	ug/L	20	19.6	19.7	98	99	75-125	1	20	
Bromochloromethane	ug/L	20	21.7	21.6	108	108	75-125	0	20	
Bromodichloromethane	ug/L	20	20.6	20.7	103	104	75-125	0	20	
Bromoform	ug/L	20	20.9	21.6	104	108	75-134	3	20	
Bromomethane	ug/L	20	17.5	18.0	87	90	32-150	3	20	
Carbon tetrachloride	ug/L	20	20.3	20.6	101	103	73-126	2	20	
Chlorobenzene	ug/L	20	19.9	19.6	100	98	75-125	2	20	
Chloroethane	ug/L	20	21.3	21.9	107	110	70-125	3	20	
Chloroform	ug/L	20	19.7	19.4	98	97	75-125	2	20	
Chloromethane	ug/L	20	21.7	21.8	109	109	65-125	0	20	
cis-1,2-Dichloroethene	ug/L	20	20.9	20.8	105	104	75-125	1	20	
cis-1,3-Dichloropropene	ug/L	20	20.1	20.5	101	103	75-125	2	20	
Dibromochloromethane	ug/L	20	20.8	21.1	104	105	75-125	1	20	
Dibromomethane	ug/L	20	21.9	21.7	109	109	75-125	1	20	
Dichlorodifluoromethane	ug/L	20	24.5	26.3	123	131	65-135	7	20	
Dichlorofluoromethane	ug/L	20	20.5	20.5	102	103	75-125	0	20	
Diethyl ether (Ethyl ether)	ug/L	20	21.4	21.3	107	106	75-125	1	20	
Ethylbenzene	ug/L	20	19.4	19.5	97	98	75-125	0	20	
Hexachloro-1,3-butadiene	ug/L	20	18.1	20.2	91	101	63-128	11	20	
Isopropylbenzene (Cumene)	ug/L	20	19.6	20.1	98	101	75-125	2	20	
m&p-Xylene	ug/L	40	39.1	39.4	98	99	75-125	1	20	
Methyl-tert-butyl ether	ug/L	20	20.6	20.9	103	105	75-125	2	20	
Methylene Chloride	ug/L	20	19.6	19.4	98	97	72-125	1	20	
n-Butylbenzene	ug/L	20	18.2	19.7	91	98	68-125	8	20	
n-Propylbenzene	ug/L	20	19.1	19.7	95	99	74-125	3	20	
Naphthalene	ug/L	20	18.5	21.8	92	109	67-140	17	20	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

LABORATORY CONTROL SAMPLE & LCSD: 4554380 4554381

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	20	20.1	20.0	101	100	75-125	1	20	
p-Isopropyltoluene	ug/L	20	19.2	20.5	96	102	75-126	6	20	
sec-Butylbenzene	ug/L	20	18.7	20.1	94	101	75-126	7	20	
Styrene	ug/L	20	20.3	20.4	102	102	75-139	1	20	
tert-Butylbenzene	ug/L	20	19.0	19.7	95	99	75-125	4	20	
Tetrachloroethene	ug/L	20	20.0	20.0	100	100	70-125	0	20	
Tetrahydrofuran	ug/L	100	108	110	108	110	63-145	2	20	
Toluene	ug/L	20	19.3	19.3	97	97	74-125	0	20	
trans-1,2-Dichloroethene	ug/L	20	20.4	20.1	102	100	75-125	1	20	
trans-1,3-Dichloropropene	ug/L	20	19.8	19.7	99	99	75-127	0	20	
Trichloroethene	ug/L	20	20.6	20.9	103	105	74-125	2	20	
Trichlorofluoromethane	ug/L	20	20.9	21.8	105	109	72-125	4	20	
Vinyl chloride	ug/L	20	21.8	22.7	109	114	66-125	4	20	
Xylene (Total)	ug/L	60	59.2	59.4	99	99	75-125	0	20	
1,2-Dichlorobenzene-d4 (S)	%.				101	100	75-125			
4-Bromofluorobenzene (S)	%.				100	101	75-125			
Toluene-d8 (S)	%.				101	101	75-125			

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

QC Batch: 862445
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260D MSV 465 W
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 10639313003, 10639313008

METHOD BLANK: 4555442
Matrix: Water
Associated Lab Samples: 10639313003, 10639313008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/12/23 12:40	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/12/23 12:40	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/12/23 12:40	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/12/23 12:40	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	01/12/23 12:40	
1,1-Dichloroethane	ug/L	ND	1.0	01/12/23 12:40	
1,1-Dichloroethene	ug/L	ND	1.0	01/12/23 12:40	
1,1-Dichloropropene	ug/L	ND	1.0	01/12/23 12:40	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/12/23 12:40	
1,2,3-Trichloropropane	ug/L	ND	2.5	01/12/23 12:40	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/12/23 12:40	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/12/23 12:40	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.5	01/12/23 12:40	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/12/23 12:40	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/12/23 12:40	
1,2-Dichloroethane	ug/L	ND	1.0	01/12/23 12:40	
1,2-Dichloropropane	ug/L	ND	1.0	01/12/23 12:40	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/12/23 12:40	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/12/23 12:40	
1,3-Dichloropropane	ug/L	ND	1.0	01/12/23 12:40	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/12/23 12:40	
2,2-Dichloropropane	ug/L	ND	1.0	01/12/23 12:40	
2-Butanone (MEK)	ug/L	ND	10.0	01/12/23 12:40	
2-Chlorotoluene	ug/L	ND	1.0	01/12/23 12:40	
4-Chlorotoluene	ug/L	ND	1.0	01/12/23 12:40	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	10.0	01/12/23 12:40	
Acetone	ug/L	ND	10.0	01/12/23 12:40	
Allyl chloride	ug/L	ND	2.5	01/12/23 12:40	
Benzene	ug/L	ND	1.0	01/12/23 12:40	
Bromobenzene	ug/L	ND	1.0	01/12/23 12:40	
Bromochloromethane	ug/L	ND	1.0	01/12/23 12:40	
Bromodichloromethane	ug/L	ND	1.0	01/12/23 12:40	
Bromoform	ug/L	ND	1.0	01/12/23 12:40	
Bromomethane	ug/L	ND	2.5	01/12/23 12:40	
Carbon tetrachloride	ug/L	ND	1.0	01/12/23 12:40	
Chlorobenzene	ug/L	ND	1.0	01/12/23 12:40	
Chloroethane	ug/L	ND	1.0	01/12/23 12:40	
Chloroform	ug/L	ND	1.0	01/12/23 12:40	
Chloromethane	ug/L	ND	1.0	01/12/23 12:40	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/12/23 12:40	

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Pace Analytical Services, LLC
1700 Elm Street
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(612)607-1700

QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

METHOD BLANK: 4555442 Matrix: Water
Associated Lab Samples: 10639313003, 10639313008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	1.0	01/12/23 12:40	
Dibromochloromethane	ug/L	ND	1.0	01/12/23 12:40	
Dibromomethane	ug/L	ND	1.0	01/12/23 12:40	
Dichlorodifluoromethane	ug/L	ND	1.0	01/12/23 12:40	
Dichlorofluoromethane	ug/L	ND	1.0	01/12/23 12:40	
Diethyl ether (Ethyl ether)	ug/L	ND	2.5	01/12/23 12:40	
Ethylbenzene	ug/L	ND	1.0	01/12/23 12:40	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/12/23 12:40	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/12/23 12:40	
m&p-Xylene	ug/L	ND	2.0	01/12/23 12:40	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/12/23 12:40	
Methylene Chloride	ug/L	ND	2.0	01/12/23 12:40	
n-Butylbenzene	ug/L	ND	1.0	01/12/23 12:40	
n-Propylbenzene	ug/L	ND	1.0	01/12/23 12:40	
Naphthalene	ug/L	ND	1.0	01/12/23 12:40	
o-Xylene	ug/L	ND	1.0	01/12/23 12:40	
p-Isopropyltoluene	ug/L	ND	1.0	01/12/23 12:40	
sec-Butylbenzene	ug/L	ND	1.0	01/12/23 12:40	
Styrene	ug/L	ND	1.0	01/12/23 12:40	
tert-Butylbenzene	ug/L	ND	1.0	01/12/23 12:40	
Tetrachloroethene	ug/L	ND	1.0	01/12/23 12:40	
Tetrahydrofuran	ug/L	ND	10.0	01/12/23 12:40	
Toluene	ug/L	ND	1.0	01/12/23 12:40	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/12/23 12:40	
trans-1,3-Dichloropropene	ug/L	ND	1.0	01/12/23 12:40	
Trichloroethene	ug/L	ND	1.0	01/12/23 12:40	
Trichlorofluoromethane	ug/L	ND	1.0	01/12/23 12:40	
Vinyl chloride	ug/L	ND	1.0	01/12/23 12:40	
Xylene (Total)	ug/L	ND	3.0	01/12/23 12:40	
1,2-Dichlorobenzene-d4 (S)	%.	100	75-125	01/12/23 12:40	
4-Bromofluorobenzene (S)	%.	102	75-125	01/12/23 12:40	
Toluene-d8 (S)	%.	99	75-125	01/12/23 12:40	

LABORATORY CONTROL SAMPLE & LCSD: 4555443 4555444

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	19.0	95	95	75-125	0	20	
1,1,1-Trichloroethane	ug/L	20	19.1	19.0	95	95	75-125	0	20	
1,1,2,2-Tetrachloroethane	ug/L	20	17.9	17.8	89	89	71-125	0	20	
1,1,2-Trichloroethane	ug/L	20	17.7	17.7	89	88	75-125	0	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	21.7	21.0	108	105	69-125	3	20	
1,1-Dichloroethane	ug/L	20	18.3	18.2	92	91	75-125	0	20	
1,1-Dichloroethene	ug/L	20	19.9	19.6	100	98	69-125	2	20	
1,1-Dichloropropene	ug/L	20	19.5	19.5	98	97	74-125	0	20	

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Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

LABORATORY CONTROL SAMPLE & LCSD: 4555443 4555444

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichlorobenzene	ug/L	20	18.9	19.7	94	99	70-131	4	20	
1,2,3-Trichloropropane	ug/L	20	18.7	18.8	94	94	73-125	1	20	
1,2,4-Trichlorobenzene	ug/L	20	19.5	20.0	98	100	75-125	3	20	
1,2,4-Trimethylbenzene	ug/L	20	19.4	19.5	97	98	75-125	1	20	
1,2-Dibromo-3-chloropropane	ug/L	20	17.5	18.0	87	90	68-129	3	20	
1,2-Dibromoethane (EDB)	ug/L	20	18.1	18.1	91	90	75-125	0	20	
1,2-Dichlorobenzene	ug/L	20	18.8	19.1	94	95	75-125	1	20	
1,2-Dichloroethane	ug/L	20	17.8	17.8	89	89	75-125	0	20	
1,2-Dichloropropane	ug/L	20	17.7	17.6	89	88	75-125	1	20	
1,3,5-Trimethylbenzene	ug/L	20	19.5	19.8	98	99	75-125	1	20	
1,3-Dichlorobenzene	ug/L	20	19.2	19.3	96	96	75-125	0	20	
1,3-Dichloropropane	ug/L	20	18.1	18.2	91	91	75-125	0	20	
1,4-Dichlorobenzene	ug/L	20	18.9	19.4	94	97	75-125	3	20	
2,2-Dichloropropane	ug/L	20	19.9	19.6	100	98	65-125	2	20	
2-Butanone (MEK)	ug/L	100	76.3	78.0	76	78	61-131	2	20	
2-Chlorotoluene	ug/L	20	18.6	18.6	93	93	75-125	0	20	
4-Chlorotoluene	ug/L	20	18.7	19.1	94	95	75-125	2	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	84.2	84.7	84	85	62-142	1	20	
Acetone	ug/L	100	74.4	77.1	74	77	57-137	4	20	
Allyl chloride	ug/L	20	17.5	17.6	87	88	73-125	1	20	
Benzene	ug/L	20	18.1	18.0	91	90	75-125	1	20	
Bromobenzene	ug/L	20	18.8	19.1	94	95	75-125	2	20	
Bromochloromethane	ug/L	20	18.3	18.4	92	92	75-125	0	20	
Bromodichloromethane	ug/L	20	18.0	18.0	90	90	75-125	0	20	
Bromoform	ug/L	20	19.5	19.4	97	97	75-134	1	20	
Bromomethane	ug/L	20	13.6	18.5	68	93	32-150	31	20	R1
Carbon tetrachloride	ug/L	20	19.8	19.7	99	99	73-126	0	20	
Chlorobenzene	ug/L	20	18.7	18.6	93	93	75-125	1	20	
Chloroethane	ug/L	20	18.6	18.2	93	91	70-125	2	20	
Chloroform	ug/L	20	17.9	17.9	89	89	75-125	0	20	
Chloromethane	ug/L	20	18.0	17.9	90	90	65-125	0	20	
cis-1,2-Dichloroethene	ug/L	20	18.3	18.2	92	91	75-125	1	20	
cis-1,3-Dichloropropene	ug/L	20	18.1	18.1	91	90	75-125	0	20	
Dibromochloromethane	ug/L	20	19.0	18.8	95	94	75-125	1	20	
Dibromomethane	ug/L	20	17.6	17.6	88	88	75-125	0	20	
Dichlorodifluoromethane	ug/L	20	23.3	22.9	117	115	65-135	2	20	
Dichlorofluoromethane	ug/L	20	18.1	17.7	91	89	75-125	2	20	
Diethyl ether (Ethyl ether)	ug/L	20	18.7	18.1	93	91	75-125	3	20	
Ethylbenzene	ug/L	20	19.1	19.2	95	96	75-125	1	20	
Hexachloro-1,3-butadiene	ug/L	20	21.6	23.0	108	115	63-128	6	20	
Isopropylbenzene (Cumene)	ug/L	20	19.9	19.9	99	99	75-125	0	20	
m&p-Xylene	ug/L	40	39.1	39.2	98	98	75-125	0	20	
Methyl-tert-butyl ether	ug/L	20	17.5	17.5	87	88	75-125	0	20	
Methylene Chloride	ug/L	20	18.4	18.2	92	91	72-125	1	20	
n-Butylbenzene	ug/L	20	19.1	19.5	95	97	68-125	2	20	
n-Propylbenzene	ug/L	20	19.5	19.8	98	99	74-125	1	20	
Naphthalene	ug/L	20	17.7	18.4	88	92	67-140	4	20	

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Pace Analytical Services, LLC
1700 Elm Street
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(612)607-1700

QUALITY CONTROL DATA

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

LABORATORY CONTROL SAMPLE & LCSD: 4555443 4555444

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
o-Xylene	ug/L	20	19.1	19.0	95	95	75-125	0	20	
p-Isopropyltoluene	ug/L	20	20.5	20.5	102	102	75-126	0	20	
sec-Butylbenzene	ug/L	20	20.5	20.6	103	103	75-126	1	20	
Styrene	ug/L	20	19.1	19.1	96	96	75-139	0	20	
tert-Butylbenzene	ug/L	20	20.0	20.1	100	101	75-125	1	20	
Tetrachloroethene	ug/L	20	20.2	20.3	101	102	70-125	1	20	
Tetrahydrofuran	ug/L	100	86.5	87.0	86	87	63-145	1	20	
Toluene	ug/L	20	18.0	18.2	90	91	74-125	1	20	
trans-1,2-Dichloroethene	ug/L	20	19.1	19.0	95	95	75-125	1	20	
trans-1,3-Dichloropropene	ug/L	20	18.4	18.4	92	92	75-127	0	20	
Trichloroethene	ug/L	20	18.6	18.7	93	93	74-125	1	20	
Trichlorofluoromethane	ug/L	20	20.9	20.7	105	104	72-125	1	20	
Vinyl chloride	ug/L	20	20.2	20.2	101	101	66-125	0	20	
Xylene (Total)	ug/L	60	58.2	58.2	97	97	75-125	0	20	
1,2-Dichlorobenzene-d4 (S)	%.				99	101	75-125			
4-Bromofluorobenzene (S)	%.				99	100	75-125			
Toluene-d8 (S)	%.				98	98	75-125			

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.

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1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 862224

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
[1]	The continuing calibration verification was below the method acceptance limit for acetone. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

Batch: 862236

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
[1]	The continuing calibration verification was above the method acceptance limit for dichlorodifluoromethane. Any detection for the analyte in the associated samples may have a high bias.

Batch: 862445

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
[1]	The continuing calibration verification was below the method acceptance limit for bromomethane, acetone, and 2-butanone (MEK). The analytes were not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.

ANALYTE QUALIFIERS

MN	The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.
R1	RPD/RSD exceeded the method acceptance limit. See case narrative.

Pace Analytical Services, LLC
1700 Elm Street
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 0206984-000-Revised Report
Pace Project No.: 10639313

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10639313001	**MW-1-010923**	EPA 8260D	862224		
10639313002	**MW-2-010923**	EPA 8260D	862224		
10639313003	**MW-3-010923**	EPA 8260D	862445		
10639313004	**MW-4-010923**	EPA 8260D	862224		
10639313005	**MW-5-010923**	EPA 8260D	862224		
10639313006	**MW-6-010923**	EPA 8260D	862224		
10639313007	**MW-7-010923**	EPA 8260D	862224		
10639313008	**MW-8-010923**	EPA 8260D	862445		
10639313009	**MW-9-010923**	EPA 8260D	862224		
10639313010	**MW-10-010923**	EPA 8260D	862224		
10639313011	**MW-11-010923**	EPA 8260D	862224		
10639313012	**MW-12-010923**	EPA 8260D	862224		
10639313013	**MW-13S-010923**	EPA 8260D	862224		
10639313014	**MW-13D-010923**	EPA 8260D	862236		
10639313015	**MW-14S-010923**	EPA 8260D	862236		
10639313016	**MW-15S-010923**	EPA 8260D	862236		
10639313017	**MW-103S-010923**	EPA 8260D	862236		
10639313018	**Trip Blank**	EPA 8260D	862236		

Pace Analytical
www.pacelabs.com

HALEY ALDRICH

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
Required Client Information:

Company:	Haley & Aldrich
Address:	400 E. Van Buren St., Suite 545
	Phoenix, AZ 85004
Email To:	peshraghi@haleyaldrich.com
Phone:	Fax:
Requested Due Date/TAT:	Standard

Section B
Required Project Information:

Report To:	
Copy To:	sschutter@haleyaldrich.com
BSA #:	2022-24-Pace
H&A Client Name:	
H&A Project #:	0206984-000

Section C
Invoice Information:

Attention:	Accounts Payable
Company Name:	Haley & Aldrich
Address:	400 E. Van Buren St., Suite 545, Phoe
Pace Quote Reference:	
Pace Project Manager:	Jenni Gross
Pace Profile #:	41060 / 1

X 1700 Elm Street SE - Minneapolis, MN 55414
12065 Lebanon Rd. Mt. Juliet, TN 37122
7726 Moller Road - Indianapolis, IN 46268

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: Arizona

Pace's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement #2015-18-Pace by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and Pace Analytical Services, Inc.

Section D
Required Client Information

Matrix Codes
MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	200.7 Sodium (Total)	200.8 Iron (Total)	300.0 Chloride	300.0 Sulfate	RSK-175 Methane, Ethane, Ethene	SM3500 Fe-B Ferrous Iron (FF*)	8260D VOCs	SM4500 Carbon Dioxide (Free)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
																								Y				
1	MW-1-Ø1Ø923	WT	G	1/9/23	0845				3				X												X			001
2	MW-2-Ø1Ø923				0900								X												X			002
3	MW-3-Ø1Ø923				0830								X												X			003
4	MW-4-Ø1Ø923				0700								X												X			004
5	MW-5-Ø1Ø923				0925								X												X			005
6	MW-6-Ø1Ø923				0940								X												X			006
7	MW-7-Ø1Ø923				0715								X												X			007
8	MW-8-Ø1Ø923				0635								X												X			008
9	MW-9-Ø1Ø923				0815								X												X			009
10	MW-1Ø-Ø1Ø923				0950								X												X			010
11	MW-11-Ø1Ø923				0805								X												X			011
12	MW-12-Ø1Ø923				0750								X												X			012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*Ferrous Iron must be filtered in the field.	HFA	1/9/23	1240		1/9/23	1240				
Carbon Dioxide (SUB: PACE-TN)		1/9/23	1800	FedEx						
				Pace	1/10/23	10:00	2.6	Y	Y	Y

SAMPLER NAME AND SIGNATURE			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	S. Schutter					
SIGNATURE of SAMPLER:		DATE Signed (MM/DD/YY): 01/09/23				

WO#: 10639313
10639313

Pace Analytical
www.pacelabs.com

HALEY ALDRICH

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A — Required Client Information:

Company:	Haley & Aldrich
Address:	400 E. Van Buren St., Suite 545
	Phoenix, AZ 85004
Email To:	peshraghi@haleyaldrich.com
Phone:	Fax:
Requested Due Date/TAT:	Standard

Section B — Required Project Information:

Report To:	
Copy To:	sschutter@haleyaldrich.com
BSA #:	2022-24-Pace
H&A Client Name:	
H&A Project #:	Ø2Ø6984-ØØØ

Section C — Invoice Information:

Attention:	Accounts Payable
Company Name:	Haley & Aldrich
Address:	400 E. Van Buren St., Suite 545, Phoe
Pace Quote Reference:	
Pace Project Manager:	Jenni Gross
Pace Profile #:	41060 / 1

X 1700 Elm Street SE - Minneapolis, MN 55414
12065 Lebanon Rd. Mt. Juliet, TN 37122
7726 Moller Road - Indianapolis, IN 46268

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: Arizona

Pace's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement #2015-18-Pace by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and Pace Analytical Services, Inc.

Section D — Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N): 200.7 Sodium (Total); 200.8 Iron (Total); 300.0 Chloride; 300.0 Sulfate; RSK-175 Methane, Ethane, Ethene; SM3500 Fe-B Ferrous Iron (FF*) (Y); 8260D VOCs; SM4500 Carbon Dioxide (Free)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	COLLECTED Composite Start Time	COLLECTED Composite End/Grab Date	COLLECTED Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	200.7 Sodium (Total)	200.8 Iron (Total)	300.0 Chloride	300.0 Sulfate	RSK-175 Methane, Ethane, Ethene	SM3500 Fe-B Ferrous Iron (FF*)	8260D VOCs	SM4500 Carbon Dioxide (Free)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-13S-Ø1Ø923 23	WT	G	Ø1/Ø9/23	Ø:25				3				X											X			013
2	MW-13D-Ø1Ø923	↓	↓	↓	1Ø45				↓				X											X			014
3	MW-14S-Ø1Ø923	↓	↓	↓	1Ø1Ø				↓				X											X			015
4	MW-15S-Ø1Ø923	↓	↓	↓	11Ø5				↓				X											X			016
5	MW-1Ø3S-Ø1Ø923	↓	↓	↓	1Ø3Ø				↓				X											X			017
6	tripblank	↓	↓	↓					2															X			018
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*Ferrous Iron must be filtered in the field.	H+A	1/9/23	1240		1/9/23	1240				
Carbon Dioxide (SUB: PACE-TN)		1/9/23	1800	Fed Ex						
					1/10/23	10:00	2.6	Y	Y	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: S. Schutter

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 01/09/23

20-July-2015

DC#_Title: ENV-FRM-MIN4-0150 v11_Sample Condition Upon Receipt (SCUR)
Effective Date: 11/16/2022

Sample Condition Upon Receipt

Client Name: Haley & Aldrich

Project #: WO#: 10639313
PM: JMG Due Date: 01/24/23
CLIENT: Haley-Aldric

Courier: ☑ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ SpeeDee ☐ Commercial

Tracking Number: 5 923 7143 2160 ☐ 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) ☐ T4 (0254) ☐ T5 (0178) ☐ T6 (0235) ☐ T7 (0042) ☐ T8 (0775) ☐ T9(0727) ☐ 01339252/1710

Type of Ice: ☑ Wet ☐ Blue ☐ Dry ☐ None ☑ 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:** 2.3 °C

Correction Factor: add 0.3 **Cooler Temp Corrected w/temp blank:** 2.6 °C

Average Corrected Temp (no temp blank only): ____ °C ☐ See Exceptions ENV-FRM-MIN4-0142 ☐ 1 Container

USDA Regulated Soil: (☑ N/A, water sample/other: _____) **Date/Initials of Person Examining Contents:** 1/10/23 ADC2

Did samples originate in a quarantine zone within the United States: AL, AR, AZ 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 (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

Location (Check one): ☐ Duluth ☑ Minneapolis ☐ Virginia

		COMMENTS
Chain of Custody Present and Filled Out?	☑ Yes ☐ No	1.
Chain of Custody Relinquished?	☑ Yes ☐ No	2.
Sampler Name and/or Signature on COC?	☑ Yes ☐ No ☐ N/A	3.
Samples Arrived within Hold Time?	☑ Yes ☐ No	4. If fecal: ☐ <8 hrs ☐ >8 hr, <24 ☐ No
Short Hold Time Analysis (<72 hr)?	☐ Yes ☑ No	5. ☐ Fecal Coliform ☐ HPC ☐ Total Coliform/E.coli ☐ BOD/cBOD ☐ Hex Chrom ☐ Turbidity ☐ Nitrate ☐ Nitrite ☐ Orthophos ☐ Other _____
Rush Turn Around Time Requested?	☐ Yes ☑ No	6.
Sufficient Sample Volume?	☑ Yes ☐ No	7.
Correct Containers Used? -Pace Containers Used?	☑ Yes ☐ No ☐ N/A ☑ Yes ☐ No	8.
Containers Intact?	☑ Yes ☐ No	9.
Field Filtered Volume Received for Dissolved Tests?	☐ Yes ☐ No ☑ N/A	10. Is sediment visible in the dissolved container? ☐ Yes ☐ No
Is sufficient information available to reconcile the samples to the COC? Matrix: ☑ Water ☐ Soil ☐ Oil ☐ Other	☑ Yes ☐ No	11. **If no, write ID/Date/Time of container below:** ☐ See Exceptions ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked?	☐ Yes ☐ No ☑ N/A	12. Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH>10 Cyanide)	☐ Yes ☐ No ☑ N/A	☐ NaOH ☐ HNO3 ☐ H2SO4 ☐ Zinc Acetate
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks--verify with PM first.)	☑ Yes ☐ No ☐ N/A	Positive for Residual Chlorine? ☐ Yes ☐ No ☐ See Exceptions ENV-FRM-MIN4-0142
		pH Paper Lot # Residual Chlorine: 0-6 Roll: 0-6 Strip: 0-14 Strip:
Headspace in Methyl Mercury Container?	☐ Yes ☐ No ☑ N/A	13.
Extra labels present on soil VOA or WIDRO containers?	☐ Yes ☐ No ☑ N/A	14. ☐ See Exceptions ENV-FRM-MIN4-0142
Headspace in VOA Vials (greater than 6mm)?	☐ Yes ☐ No ☑ N/A	
3 Trip Blanks Present?	☐ Yes ☑ No ☐ N/A	15.
Trip Blank Custody Seals Present?	☑ Yes ☐ No ☐ N/A	Pace Trip Blank Lot # (if purchased): 7932 45 (2)

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

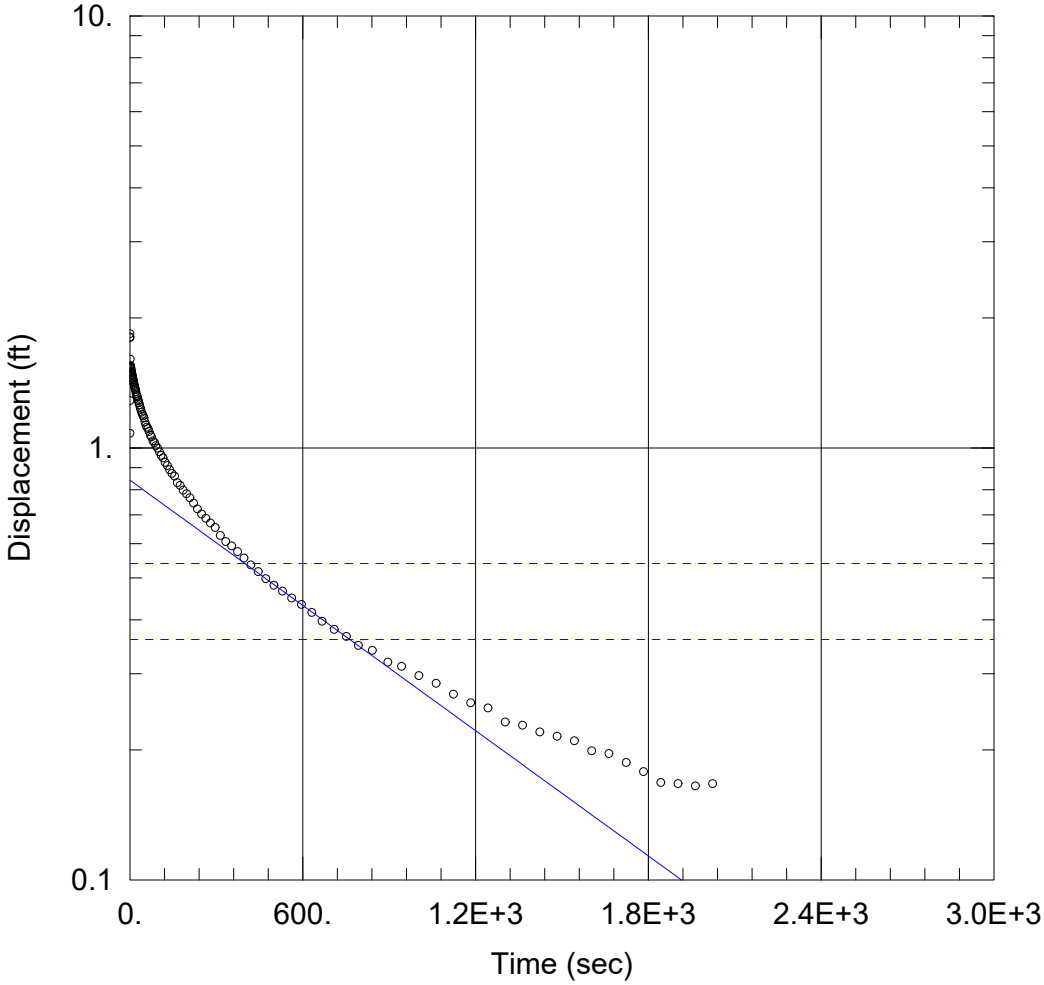
Comments/Resolution: _____

Project Manager Review: Jenni Gross **Date:** 1/10/23

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: ADC2 **Line:** 2

APPENDIX D
Single Well Hydraulic Conductivity Testing



MW-15S FALL 1 MID

AQUIFER DATA

Saturated Thickness: 26. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-15S)

Initial Displacement: 1.8 ft

Total Well Penetration Depth: 60. ft

Casing Radius: 0.083 ft

Static Water Column Height: 26. ft

Screen Length: 20. ft

Well Radius: 0.083 ft

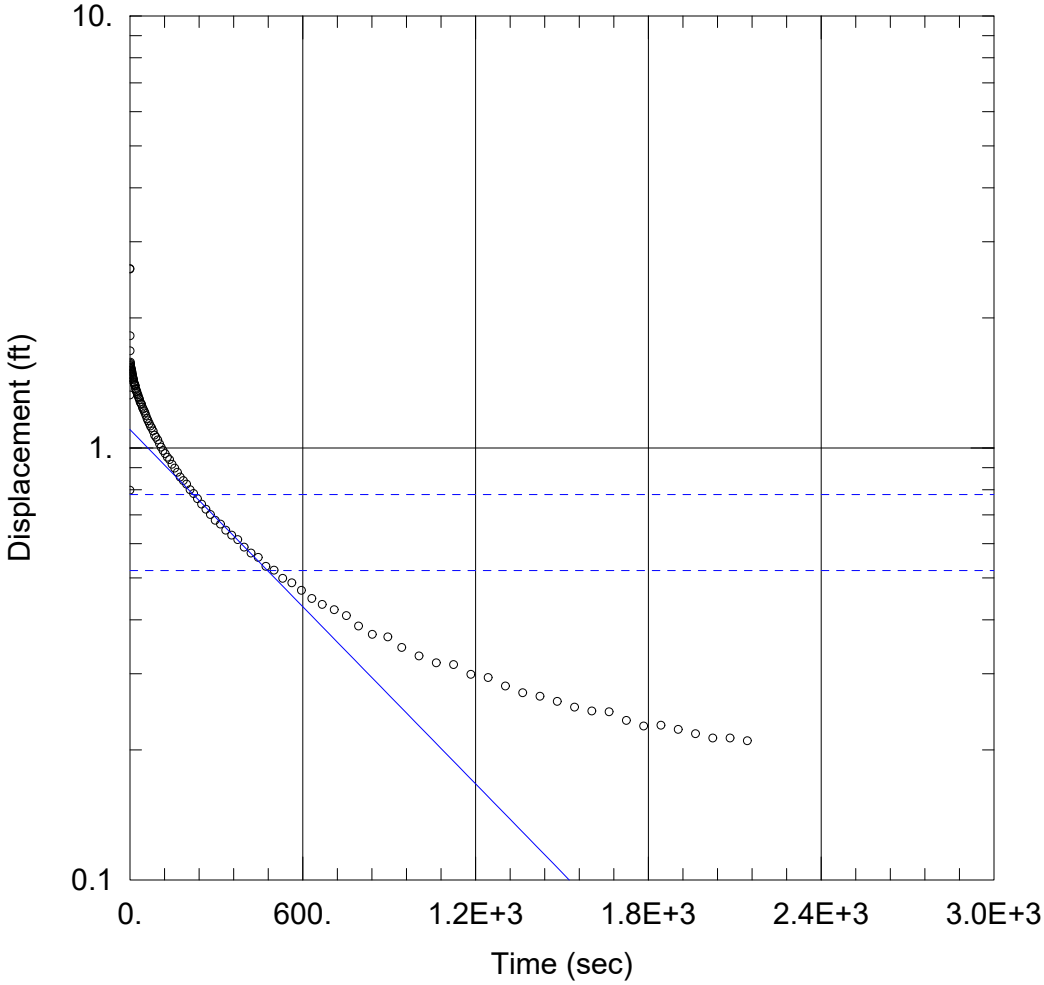
SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 0.0832 ft/day

y0 = 0.8419 ft



MW-15S FALL 2 MID

AQUIFER DATA

Saturated Thickness: 26. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-15S)

Initial Displacement: 2.6 ft

Static Water Column Height: 26. ft

Total Well Penetration Depth: 60. ft

Screen Length: 20. ft

Casing Radius: 0.083 ft

Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Unconfined

Solution Method: Bouwer-Rice

K = 0.1177 ft/day

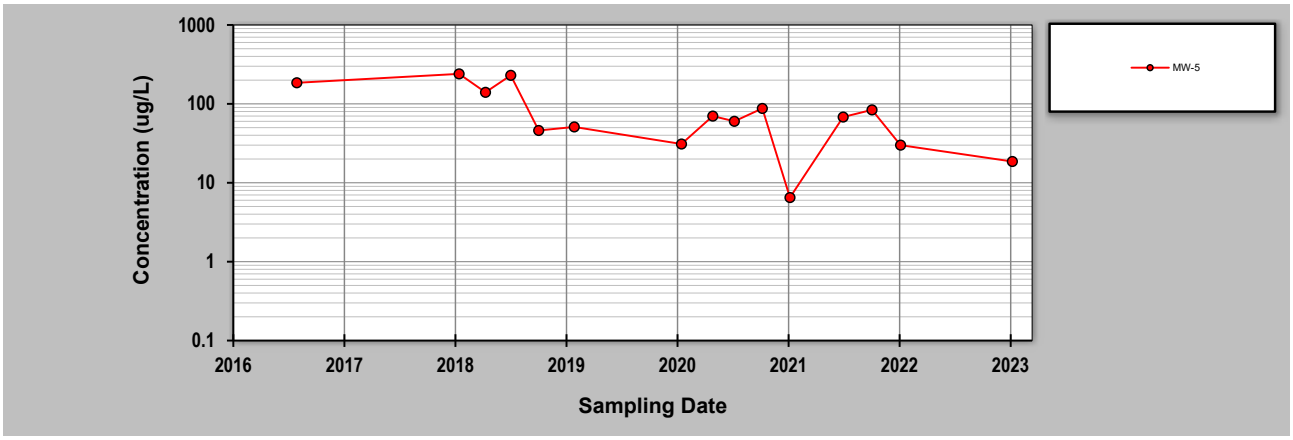
y0 = 1.102 ft

APPENDIX E
Mann-Kendall Analysis

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/30/23	Job ID:	131126
Facility Name:	Former Carefree Cleaners	Constituent:	PCE
Conducted By:	EP	Concentration Units:	ug/L

Sampling Point ID:	MW-5						
Sampling Event	**Sampling Date**	**PCE CONCENTRATION (ug/L)**					
1	07/29/16	185					
2	01/14/18	240					
3	04/11/18	140					
4	07/03/18	230					
5	10/03/18	46					
6	01/28/19	51					
7	01/16/20	31					
8	04/28/20	70					
9	07/08/20	60.1					
10	10/08/20	87.5					
11	01/07/21	6.5					
12	07/01/21	68.1					
13	10/04/21	83.9					
14	01/06/22	30					
15	01/09/23	18.6					
16							
17							
18							
19							
20							
Coefficient of Variation:		0.83					
Mann-Kendall Statistic (S):		-47					
Confidence Factor:		99.0%					
Concentration Trend:		Decreasing					



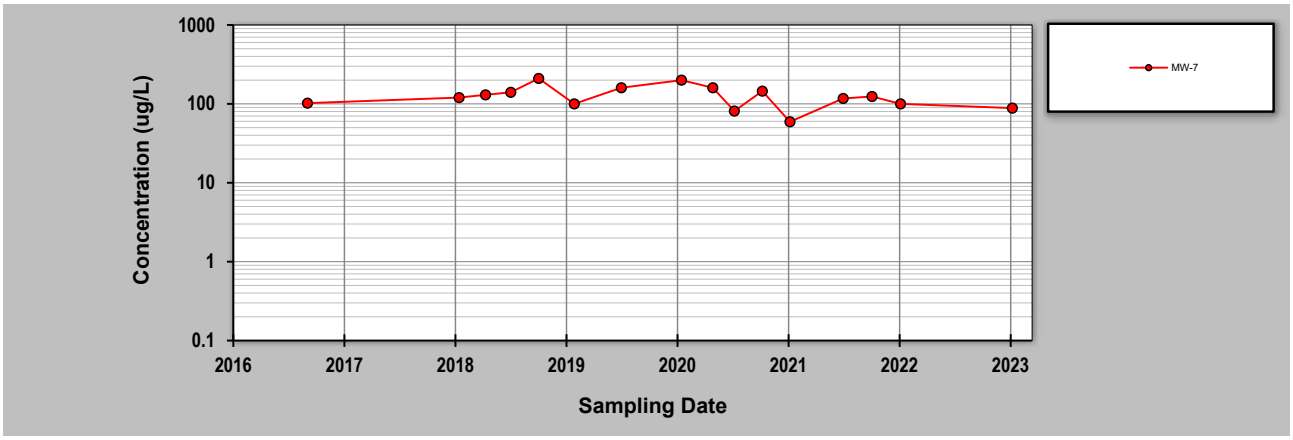
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/30/23	Job ID:	131126
Facility Name:	Former Carefree Cleaners	Constituent:	PCE
Conducted By:	EP	Concentration Units:	ug/L

Sampling Point ID:	MW-7						
Sampling Event	**Sampling Date**	**PCE CONCENTRATION (ug/L)**					
1	09/02/16	102					
2	01/14/18	120					
3	04/11/18	130					
4	07/03/18	140					
5	10/03/18	210					
6	01/28/19	100					
7	07/02/19	160					
8	01/16/20	200					
9	04/28/20	160					
10	07/08/20	81.1					
11	10/08/20	145					
12	01/07/21	59.3					
13	07/01/21	117					
14	10/04/21	124					
15	01/06/22	100					
16	01/09/23	88.4					
17							
18							
19							
20							
Coefficient of Variation:		0.32					
Mann-Kendall Statistic (S):		-26					
Confidence Factor:		86.7%					
Concentration Trend:		Stable					



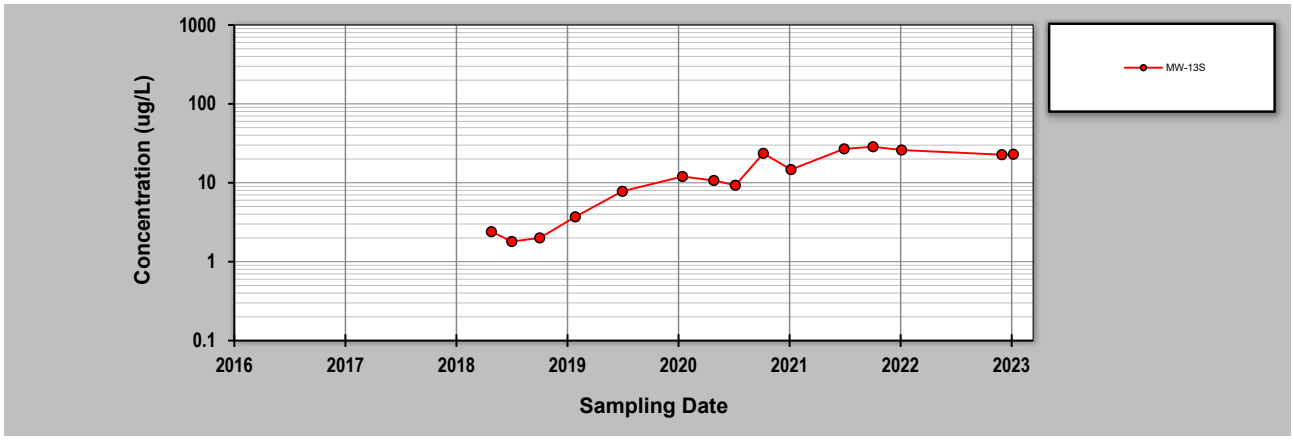
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/30/23	Job ID:	131126
Facility Name:	Former Carefree Cleaners	Constituent:	PCE
Conducted By:	EP	Concentration Units:	ug/L

Sampling Point ID:	MW-13S						
Sampling Event	**Sampling Date**	**PCE CONCENTRATION (ug/L)**					
1	04/27/18	2.4					
2	07/03/18	1.8					
3	10/03/18	2					
4	01/28/19	3.7					
5	07/02/19	7.8					
6	01/16/20	12					
7	04/28/20	10.7					
8	07/08/20	9.3					
9	10/08/20	23.6					
10	01/07/21	14.7					
11	07/01/21	26.9					
12	10/04/21	28.6					
13	01/06/22	26					
14	12/02/22	22.7					
15	01/09/23	23					
16							
17							
18							
19							
20							
Coefficient of Variation:		0.69					
Mann-Kendall Statistic (S):		73					
Confidence Factor:		>99.9%					
Concentration Trend:		Increasing					



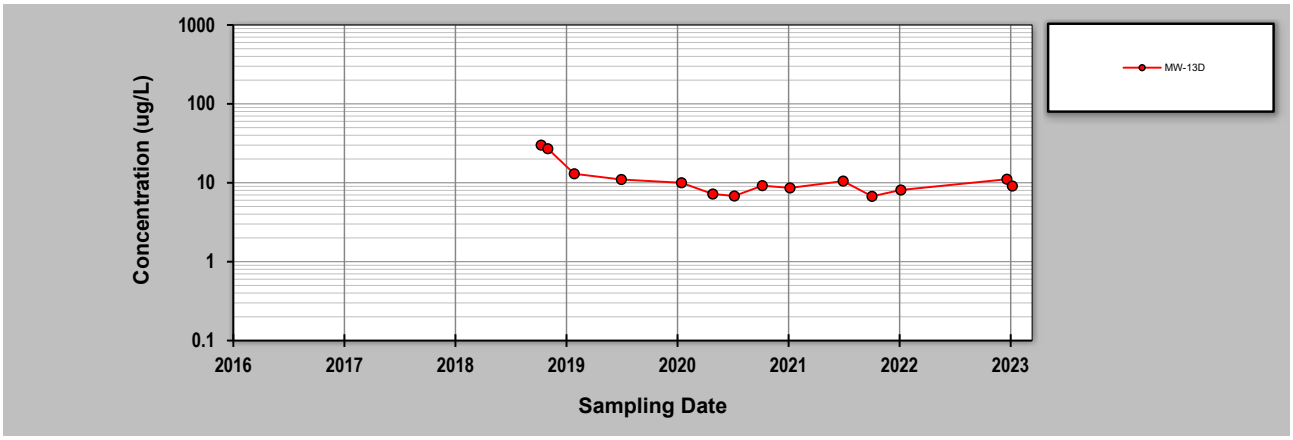
Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water*, 41(3):355-367, 2003.

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date:	01/30/23	Job ID:	131126
Facility Name:	Former Carefree Cleaners	Constituent:	PCE
Conducted By:	EP	Concentration Units:	ug/L

Sampling Point ID:	MW-13D						
Sampling Event	**Sampling Date**	**PCE CONCENTRATION (ug/L)**					
1	10/11/18	30					
2	11/02/18	27					
3	01/28/19	13					
4	07/02/19	11					
5	01/16/20	10					
6	04/28/20	7.2					
7	07/08/20	6.8					
8	10/08/20	9.2					
9	01/07/21	8.6					
10	07/01/21	10.5					
11	10/04/21	6.73					
12	01/07/22	8.1					
13	12/22/22	11.1					
14	01/09/23	9.1					
15							
16							
17							
18							
19							
20							
Coefficient of Variation:		0.60					
Mann-Kendall Statistic (S):		-39					
Confidence Factor:		98.2%					
Concentration Trend:		Decreasing					



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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