ERO

Consultants in Natural Resources and the Environment

1st Half 2024 Groundwater Monitoring Report Thornton Shopping Center NE Corner East 88th Avenue and Washington Street Thornton, Colorado

EPA ID COR000212639

Prepared for—

Thornton Development Authority
9500 Civic Center Drive
Thornton, Colorado 80229

Submitted to—

Colorado Department of Public Health and Environment
Hazardous Materials and Waste Management Division-Corrective Action Unit
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July 17, 2024

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1st Half 2024 Groundwater Monitoring Report
Thornton Shopping Center
NE Corner East 88th Avenue and Washington Street
Thornton, Colorado

EPA ID COR000212639

July 17, 2024

1.0 Introduction

ERO Resources Corporation (ERO), on behalf of the Thornton Development Authority (TDA), has prepared this First Half 2024 (1HQ24) groundwater monitoring report detailing recent monitoring activities for a historic chlorinated solvent release at the Thornton Shopping Center (TSC) property located at the northeast corner of East 88th Avenue and Washington Street in Thornton, Adams County, Colorado (Figure 1). Within this report, "TSC Property" refers to the Thornton Shopping Center real property as shown on the attached figures, whereas "Site" refers to the extent of known impacts associated with the historical release both on the TSC Property as well as off-site.

Site investigations, remedial actions, and monitoring have been conducted on the TSC Property and the Site since 2004. Several Corrective Action Plans have been submitted since work on the Site began and, as of the date of this report, site activities are currently being investigated and monitored under the most recent Corrective Action Plan Addendum approved by the Colorado Department of Public Health and Environment (CDPHE) with modifications on June 23, 2020 (CDPHE 2020), and consistent with ERO's May 2024 Work Plan for the TSC (ERO 2024), approved by CDPHE on July 3, 2024 (CDPHE 2024). Between 2004 and 2022, approximately 50 groundwater monitoring wells were installed with periodic groundwater sampling events. ERO, on behalf of TDA, began groundwater monitoring in January 2023. A summary of 1Q24 and 2Q24 data and historical groundwater monitoring data is provided in the tables included within this semi-annual report and the locations of the monitoring wells are shown on Figure 2 and Figure 3.

2.0 Physical Setting

The TSC Property is located at the northeast corner of East 88th Avenue and North Washington Street in Thornton, Colorado, generally in the SW 1/4 of Section 23, Township 2 South, Range 68 West of the 6th Principal Meridian. The TSC Property elevation is approximately 5,300 feet above mean sea level (AMSL) at the former shopping center location. The land area of the TSC Property is generally flat with areas north of the former shopping center building having a topographic slope downward to the northeast, and to the southeast, south of the former shopping center building.

The TSC Property is located within the City of Thornton, Colorado, zoned for commercial land use, and with the former building removed, leaving concrete slab foundations and asphalt-paved parking areas.

The TSC Property is bounded on the north by commercial land development; to the east by Corona Street followed by single and multi-family residential development; to the south by East 88th Avenue and commercial development with multi-family and single-family development to the southeast; and North Washington Street and commercial development to the west (Figure 4).

Historical records indicate the TSC Property was primarily used for agricultural land use until it was first developed with a commercial shopping center in the early 1960s. The TSC Property buildings were constructed between 1964 and 1979 and have been used for retail businesses, including multiple dry cleaners, an automotive parts and repair facility, a laundromat, a gasoline station, restaurants, and other retail stores. Historical records indicate three dry cleaners are known to have operated on the TSC Property since the 1960s at the addresses of 8866, 8876, and 8946 North Washington Street (ERO 2022). No dry cleaners currently operate on the TSC Property.

3.0 Groundwater Monitoring

ERO conducted the 1Q24 monitoring event between January 23 and 24, 2024 that sampled 38 groundwater monitoring wells. The 2Q24 groundwater monitoring event occurred between April 23 and 24, 2024, which sampled 35 monitoring wells. Several monitoring wells were inaccessible during the 2Q24 sampling event due to demolition debris stacked atop the wells. Site-wide groundwater monitoring included measuring depth to groundwater, recording water sampling parameters using a YSI Professional Plus multiparameter probe, and collecting groundwater samples for laboratory analysis. Groundwater monitoring well locations are shown on the attached figures.

3.1 Groundwater Elevations

Prior to any sampling activities, the static water level was measured from the top of the casing in each groundwater monitoring well using a water level indicator. The water level indicator was decontaminated with an Alconox® solution, distilled water rinse, and allowed to air dry prior to initial use and between monitoring wells.

The measured depth to groundwater in the monitoring wells ranged from 7.78 feet (MW-21) to 20.01 feet (MW-15) below the top of casing (excluding nested MW-22D and MW-23D wells) during 1Q24. Depth to groundwater in 2Q24 ranged from 6.98 feet (MW-21) to 18.60 feet (MW-15) below the top of casing (again, excluding nested MW-22D and MW-23D wells). Groundwater level measurements are provided in Table 3 with historical elevations presented in Table 6. Figures 4 and 5 illustrate the groundwater flow based on water table elevations. Groundwater level measurements from the MW-22D and MW-23D nested well clusters were not used for water table contour mapping. Groundwater flow direction was toward the southeast, consistent with previous reports, with an approximate hydraulic gradient between 0.024 and 0.026 ft/ft, again consistent with previous reports.

3.2 Groundwater Sampling

Groundwater monitoring wells were sampled in the order of least-contaminated wells to most-contaminated wells, based on previous analytical data. With concurrence from CDPHE (CDPHE 2023a), sampling was conducted using one of two methods, based on well characteristics and previous sampling information. A description of the sampling methods is provided below. The individual well sampling methodology used by ERO during this event is noted on the field sample sheets (Appendix A).

- Low-flow groundwater sampling consisted of micropurging with a peristaltic pump and dedicated polyethylene tubing. The pump intake was set approximately at the middle of the screened interval of the well. During micropurging, depth to groundwater, pumping rate, and field parameters (specific conductivity, pH, temperature [ºC], oxidation-reduction potential [ORP], and dissolved oxygen [DO]) were monitored and recorded approximately every five minutes. Groundwater samples were collected after three consecutive readings of three field parameters indicated stabilization (i.e., within 0.2 for pH, 3% for temperature, 3% for specific conductivity, 20 millivolts for ORP, and 10% for DO). Field parameter measurements were recorded on well sampling sheets (included within Appendix A) and are summarized in Table 4 with historical parameters listed in Table 7.
- Bailer-sampled wells were purged with a new disposable bailer and sampled immediately after purging three casing volumes. If the well bailed dry, the well was sampled at the end of the day or the beginning of the following day. Groundwater parameters were recorded by pouring the bailed water into a cup holding a multi-parameter meter. Field parameter measurements were recorded on well sampling sheets (included within Appendix A) and are summarized in Table 4 with historical parameters listed in Table 7. Upon completion of purging, the sample was collected directly from the bailer.

Samples were collected in laboratory-provided, certified clean 40-milliliter (mL) glass vials for analysis of chlorinated volatile organic compounds (VOCs), which include tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), 1,1-dichloroethene (1,1-DCE), and vinyl chloride (VC) by EPA Method 8260B. Select wells were slated for additional sampling for ongoing evaluation of previous BOS-100 injections. Samples from wells MW-13, MW-14, MW-15, MW-23, and MW-26D were also placed in polyethylene containers to be analyzed for chloride by EPA Method 300.1. Samples containers were labeled, placed on ice, and delivered to Pace Analytical Laboratory shipping center in Denver, Colorado for shipment to the Mt. Juliet, Tennessee laboratory under chain of custody.

Duplicate quality control samples were collected concurrently from wells MW-09, MW-16, and MW-22D 41-46’ (1Q24), and MW-22D 55-60’ (2Q24) and are noted in their nomenclature with a “DUP” in the well name on Table 5. Well MW-23D 64-74’ was dry during both events and MW-23D 72.5-75’ was dry during the 1Q24 event. As noted abvoe, wells MW-11, MW-22D 41-46', MW-22D 48-53', and MW-22D 72.5-75' were inaccessible during the 2Q24 event due to demolition debris covering the wells.

3.2.1 BOS-100 Wells.

Wells MW-18, MW-19, MW-20, and MW-24 were found during monitoring activities to contain residual BOS-100 remediation product. These wells were not sampled during the either sampling event.

3.2.2 MW-23D 47-52

During the 3Q23 sampling, ERO observed what appeared to be used motor oil staining around the well flushmount manholes for the MW-13/MW-23D well cluster. As ERO began to measure well MW-23D 47-52' an oily-water mix of suspected used oil was noted on the water level tape during measurement of and then within the initial bailer retrieved from the well. A detailed discussion of this well was presented in the 3Q23 Monitoring Report (ERO 2023). During the 2Q24 sampling event, the oily water mixture of suspected used oil was still observed, but a sample was still collected from the bottom of well MW-23D 47-52'.

4.0 Laboratory Results

Groundwater monitoring results were compared to their respective standards listed in CDPHE Basic Standards for Groundwater, Regulation 41 (CDPHE 2020) and are summarized in Table 6. Historical site groundwater data is listed in Table 7 and Table 8. Exceedances of standards are highlighted in each table.

4.1.1 BOS-100 Wells.

No samples were collected during 1Q23 or 2Q24.

4.1.2 MW-23D 47-52

Sample results from MW-23D 47-52' continue to show results consistent with historical data from this well and data is included within site tables with a specific comparison provided in Table 1 below.

Well	Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	1,1-DCE	VC
MW-23D 47-52'	11/8/2016	**2,090**	**15**	36	<5.0	<5.0	<5.0
	12/10/2021	**150**	**16**	17	<1.0	<1.0	<1.0
	3/25/2022	**100**	**9.8**	7.5	<1.0	<1.0	<1.0
	1/24/2023	**190**	**12.8**	5.0	<1.00	<1.00	<1.00
	4/24/2023	**181**	**10.1**	4.31 J	<10.0	<10.0	<10.0
	10/16/2023	**149**	**8.49**	2.55	<1.0	<1.0	<1.0
	1/23/2024	**136**	4.55	<10.0	<10.0	<10.0	<10.0
	4/23/2024	**152**	**7.05 J**	1.55 J	<10.0	<10.0	<10.0
-TOWP	7/19/2023	**102**	4.99	1.37	<1.0	<1.0	<1.0
-BASE	7/19/2023	**136**	**7.62**	3.12	<1.0	<1.0	<1.0

Concentrations in µg/L.
Bold = Concentration exceeds CBGWS
"<" = analyte not detected above stated laboratory reporting limit.
J = Estimated concentration below reporting limit.

4.1.3 Laboratory QC

ERO reviewed laboratory quality control (QC) data as well as the calculated relative percent difference (RPD) of detected analytes from duplicate samples collected during this monitoring event. Laboratory method blanks did not detect contaminants of concern within any of the runs and laboratory method spikes were less than the 20 percent limits stated within the laboratory QC documentation. Field duplicate RPD values are shown in Table 2. RPD was not able to be calculated for some constituents due to high laboratory dilution. Thus, the constituent concentration was reported as less than the laboratory reporting limit based on the dilution factor. The field RPD values varied by well and by analyte from 4 percent to 16 percent for non-qualified results. Although the RPD was not able to be calculated for some constituents, it does not, in ERO's opinion, render the data unusable.

Table 2. Duplicate sample RPD analysis.

Well	Sample Method	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)
1Q24 Analysis				
MW-09	Low Flow	8,360	42.7	47
		7,130	<200	<200
	RPD	*16%*	*NC*	*NC*
MW-16	Low Flow	197	9.72	11.2
		181	10.5	11.7
	RPD	*8%*	*8%*	*4%*
MW-22D 41-46'	Bailer	8,650	21.6	<50.0
		7,980	22	<50.0
	RPD	*8%*	*2%*	*NC*
2Q24 Analysis				
MW-09	Low Flow	10,200	<100	21.3 J
		8,970	<100	20.3 J
	RPD	*13%*	*NC*	*5%*
MW-16	Low Flow	175	3.5 J	2.92 J
		189	<10.0	4.18 J
	RPD	*8%*	*NC*	*35%*
MW-22D 55-60'	Bailer	149,000	<1000	<1000
		142,000	<1000	<1000
	RPD	*5%*	*NC*	*NC*

NC=Not calculated

"J" = Estimated result with analyte detected above laboratory detection limit, but below reporting limit

5.0 Investigation Derived Waste

Purged groundwater investigation derived waste (IDW) was containerized in DOT-approved 55-gallon steel drums at the time of generation. The drums were labeled in accordance with Colorado Hazardous Waste Regulations and stored within a secondary containment area of the drum storage area within Thornton Shopping Center. IDW was treated in accordance with ERO's October 2, 2023 Request for

Treatment by Rule for On-site Generator Hazardous Environmental Media IDW Treatment approved by CDPHE on October 13, 2023. Results of the treatment were submitted for Contained Out determination on July 5, 2024. The IDW is currently within the approval processes at the disposal facility for disposal.

Liquid IDW associated with 2023 monitoring events was disposed on April 8, 2024. Sixteen drums of liquid IDW was disposed at the Conservations Services, Inc. facility in Bennett, Colorado under non-hazardous waste manifest 13566435 (included in Appendix C). Previous contained-out determination approvals had been received for all drummed IDW within the disposal event prior to disposal.

6.0 Conclusions and Recommendations

ERO has completed the 1Q24 and 2Q24 groundwater monitoring events at the TSC in general accordance with the previously documented Corrective Action Plan, past monitoring reports, and consistent with the recently approved TSC Work Plan approved by CDPHE. Based on this data obtained, ERO presents the following conclusions:

- Groundwater flow remains consistent with recently reported flow to the southeast.
- Groundwater PCE concentrations were within historical ranges for these sampling events.
- Wells MW-18, MW-19, MW-20, and MW-24 continue to contain evidence of previous remedial BOS-100 injections within the wells.
- Well MW-23D 47-52’ and the MW-23D nested well cluster will continue to be monitored in order to determine the source and/or impacts of the oil water mixture, however the oil-water mixture does not appear to have impacted the groundwater monitoring usefulness of the well.

The next quarterly groundwater monitoring event is scheduled in July 2024.

7.0 References

Colorado Department of Public Health and Environment (CDPHE). 2020a. Water Quality Control Commission. Basic Standards for Ground Water. 5 CCR 1002-41, Regulation No. 41. Effective June 30.

Colorado Department of Public Health and Environment (CDPHE). 2020b. Thornton Shopping Center, 2020 Corrective Action Plan Addendum Approval with Modifications. HMWMD File COR000212639/3.2. June 23.

Colorado Department of Public Health and Environment (CDPHE). 2023a. Email from Lindsay Murl to Jack Denman (ERO). Re: TDA Interim Monitoring Plan for TSC. January 19.

Colorado Department of Public Health and Environment (CDPHE). 2023b. Email from Lindsay Murl to Jack Denman (ERO). Re: TSC Sampling - BOS in wells. January 30.

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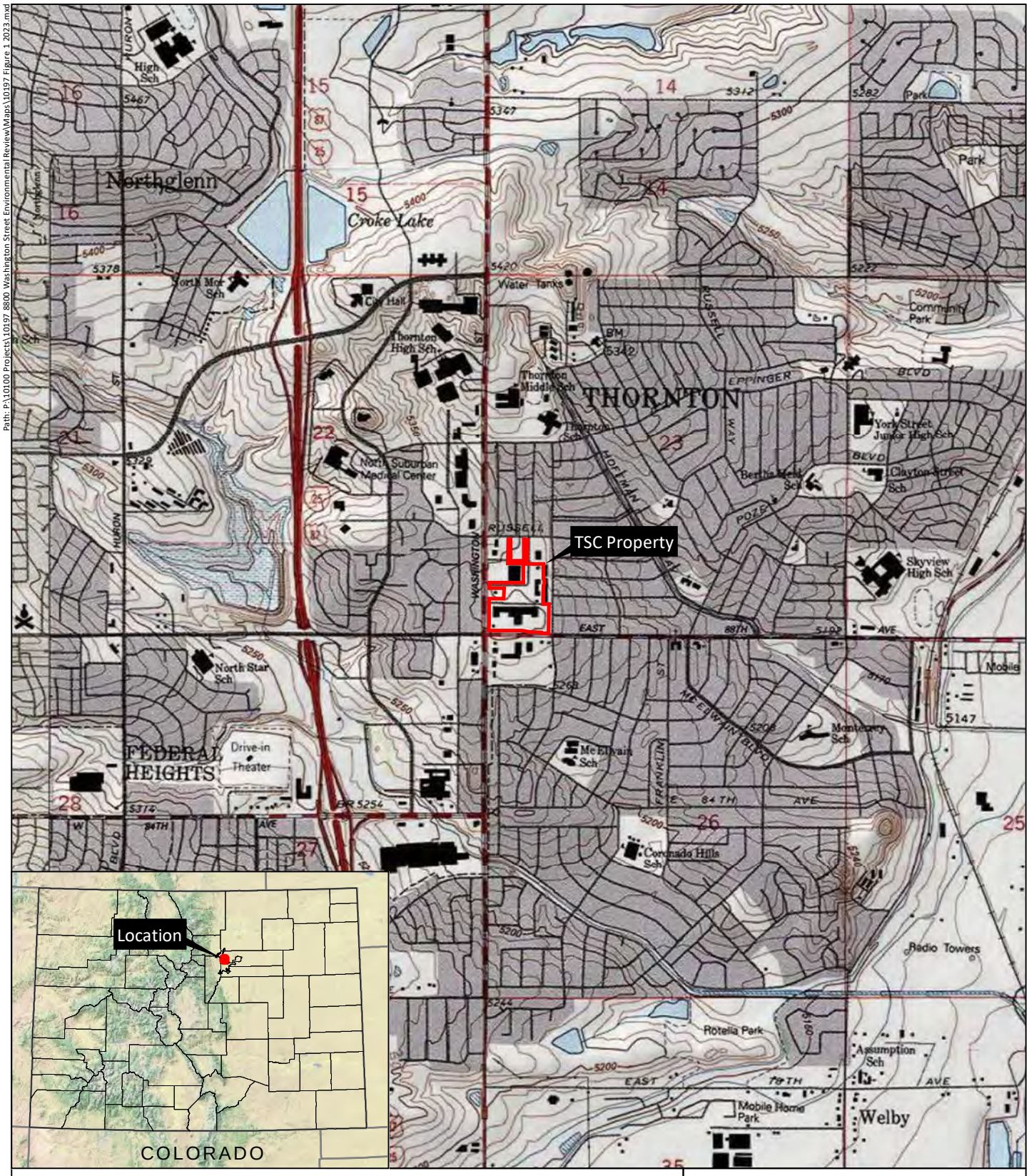
Quantum Water & Environment (Quantum). 2022. First Quarter 2022 Groundwater Summary Report, Thornton Shopping Center, Northeast Corner of East 88th Avenue and Washington Street, Thornton, Colorado. HMWMD File: COR000212639/3.2. May 26.

Figures



Thornton Shopping Center

Section 23, T2S, R68W; 6th PM

UTM NAD 83: Zone 13N; 502054mE, 4411959mN

Longitude 104.975982°W, Latitude 39.857657°N

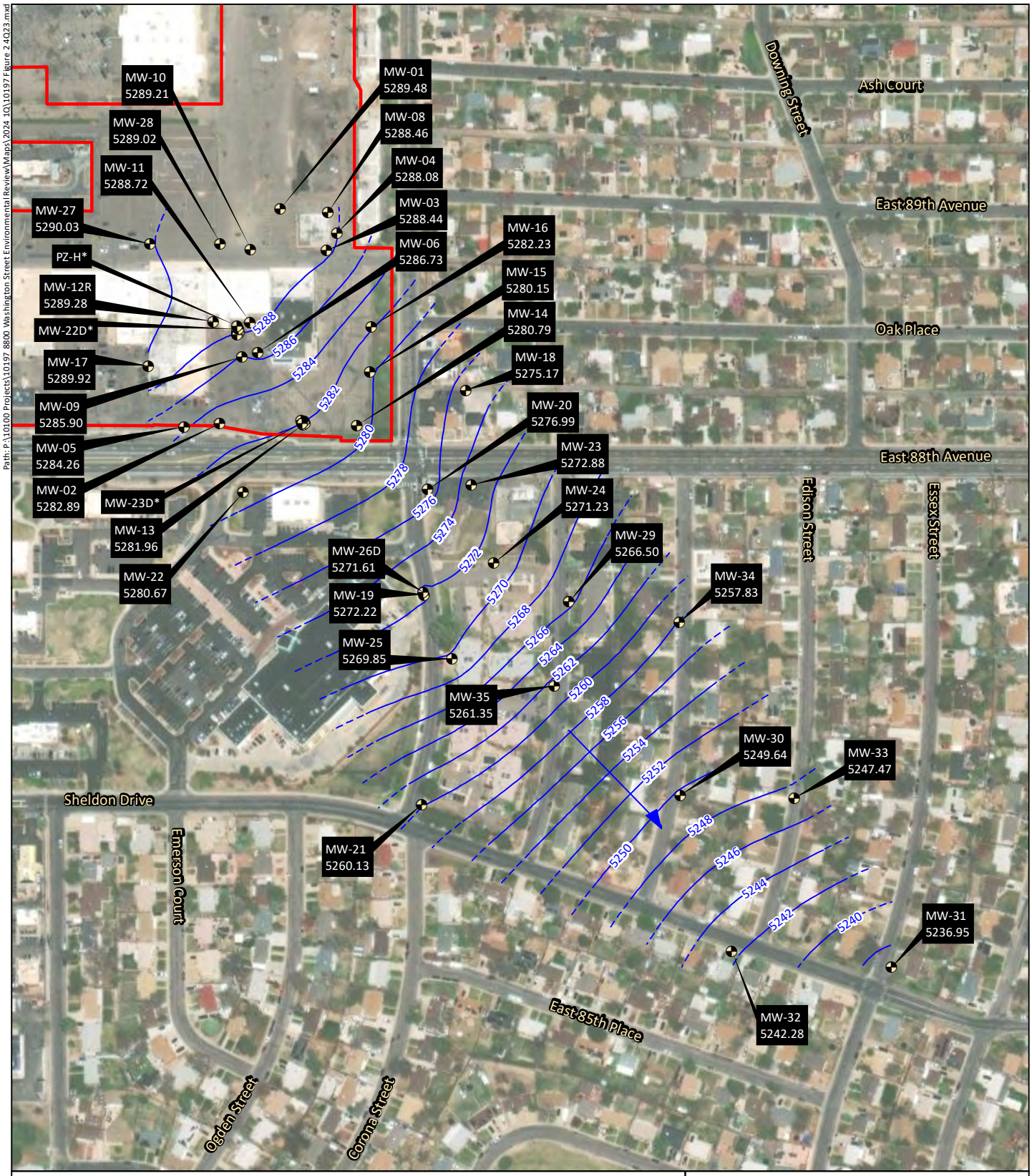
USGS Commerce City, CO Quadrangle

Adams County, Colorado

Figure 1
Vicinity Map

File: 10197 Figure 1 2023.mxd [dlH]
March 31, 2023

ERO Resources Corp.



Thornton Shopping Center

- TSC Property
- Monitoring Well Location
- 2-Foot Groundwater Contour Interval
- Inferred Contour
- Direction of Groundwater Flow
- * - Not Used for Contouring

MW-21 5260.85 Well ID / Groundwater Elevation

0 150 300 feet

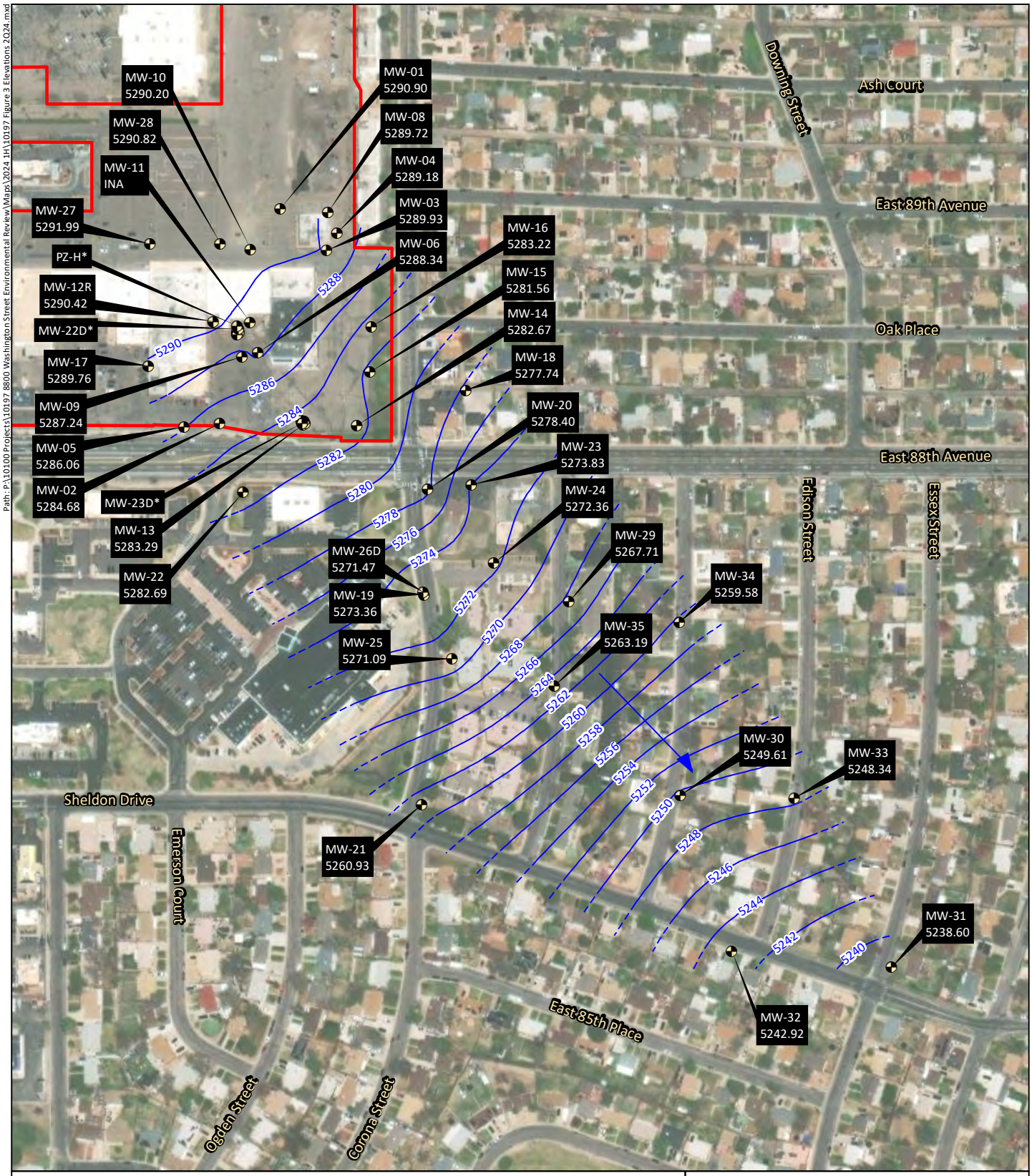
N

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community 4/22/2022

Figure 2
Groundwater Elevations
1st Quarter 2024

File: 10197 Figure 2 4Q23.mxd [dlH]
February 13, 2024

ERO Resources Corp.



Path: P:\10100 Projects\10197 8800 Washington Street Environmental Review\Maps\2024 1H\10197 Figure 3 Elevations 2Q24.mxd

Thornton Shopping Center

- Monitoring Well Location
- TSC Property
- 2-Foot Groundwater Contour Interval
- Inferred Contour
- Direction of Groundwater Flow
- * - Not Used for Contouring

MW-21 5260.93 — Well ID, Groundwater Elevation

INA - Well Inaccessible

0 150 300 feet

N

Figure 3
Groundwater Elevations
2nd Quarter 2024

File: 10197 Figure 3 Elevations 2Q24.mxd [dlH]
July 8, 2024

ERO Resources Corp.

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community 4/22/2022

Path: P:\10100 Projects\10197 8800 Washington Street Environmental Review\Maps\2024 1H\10197 Figure 4 GW_PCE 1Q24.mxd

Russel Boulevard
Washington Street
Corona Street
Downing Street
Ash Court
East 89th Avenue
Oak Place
East 88th Avenue
Edison Street
Essex Street
Sheldon Drive
Emerson Court
East 85th Place
Ogden Street
Corona Street

MW-10 5289.21 <1.00
MW-01 5289.48 <1.00
MW-08 5288.46 **1.12**
MW-28 5289.02 8.7
MW-04 5288.08 **85.9**
MW-11 5288.72 **44,000**
MW-03 5288.44 12.8
MW-27 5290.03 <1.00
MW-16 5282.23 **197**
PZ-H*
MW-06 5286.73 **2,300**
MW-15 5280.15 **1,870**
MW-12R 5289.28 **121**
See Figure 4
MW-22D Cluster*
MW-14 5280.79 **8,160**
MW-17 5289.92 <1.00
MW-18 5275.17 BOS
MW-09 5285.90 **8,360**
MW-20 5276.99 BOS
MW-05 5284.26 <1.00
MW-23 5272.88 **3.71**
MW-02 5282.89 **789**
MW-23D Cluster*
MW-24 5271.23 BOS
MW-13 5281.96 **7,890**
MW-26D 5271.61 <1.00
MW-29 5266.50 **580**
MW-34 5257.83 **94.3**
MW-19 5272.22 BOS
MW-22 5280.67 0.543 J
MW-25 5269.85 **319**
MW-35 5261.35 **258**
MW-30 5249.64 **205**
MW-33 5247.47 **76**
MW-21 5260.13 <1.00
MW-31 5236.95 **17.5**
MW-32 5242.28 **17.7**

5286 5282 5280 5278 5276 5274 5272 5270 5268 5266 5264 5262 5260 5258 5256 5254 5252 5250 5248 5246 5244 5242 5240

Thornton Shopping Center

- TSC Property
- Monitoring Well Location
- 2-Foot Groundwater Contour Interval
- Inferred Contour
- Direction of Groundwater Flow
- * - Not Used for Contouring

MW-21 — Well ID
5260.13 — Groundwater Elevation (feet AMSL)
<1.00 — PCE Concentration in µg/L

0 125 250 feet

N

Figure 4
Groundwater Flow and PCE Concentrations 1st Quarter 2024

ERO Resources Corp.

Path: P:\10100 Projects\10197 8800 Washington Street Environmental Review\Maps\2024 1H\10197 Figure 5 GW_PCE 2Q24 .mxd

Russel Boulevard
Washington Street
Corona Street
Downing Street
Ash Court
East 89th Avenue
Oak Place
East 88th Avenue
Edison Street
Essex Street
Sheldon Drive
Emerson Court
East 85th Place
Ogden Street
Corona Street

MW-10 5290.20 <1.00
MW-01 5290.90 <1.00
MW-28 5290.82 6.41
MW-08 5289.72 2.9
MW-11 INA NA
MW-04 5289.18 98.4
MW-27 5291.99 <1.00
MW-03 5289.93 28
PZ-H*
MW-16 5283.22 189
MW-12R 5290.42 161
See Figure 4
MW-06 5288.34 2,890
MW-15 5281.56 1,930
MW-22D Cluster*
MW-14 5282.67 8,630
MW-17 5289.76 <1.00
MW-18 5277.74 BOS
MW-09 5287.24 10,200
MW-20 5278.40 BOS
MW-05 5286.06 <1.00
MW-23 5273.83 5.08
MW-02 5284.68 752
MW-23D Cluster*
MW-24 5272.36 BOS
MW-26D 5271.47 <1.00
MW-29 5267.71 831
MW-13 5283.29 9,770
MW-34 5259.58 115
MW-19 5273.36 BOS
MW-22 5282.69 0.413 J
MW-25 5271.09 228
MW-35 5263.19 174
MW-30 5249.61 268
MW-33 5248.34 88.3
MW-21 5260.93 <1.00
MW-31 5238.60 18.7
MW-32 5242.92 19.7

5288 5284 5290 5282 5280 5278 5276 5274 5272 5270 5268 5266 5264 5262 5260 5258 5256 5254 5252 5250 5248 5246 5244 5242 5240

Thornton Shopping Center

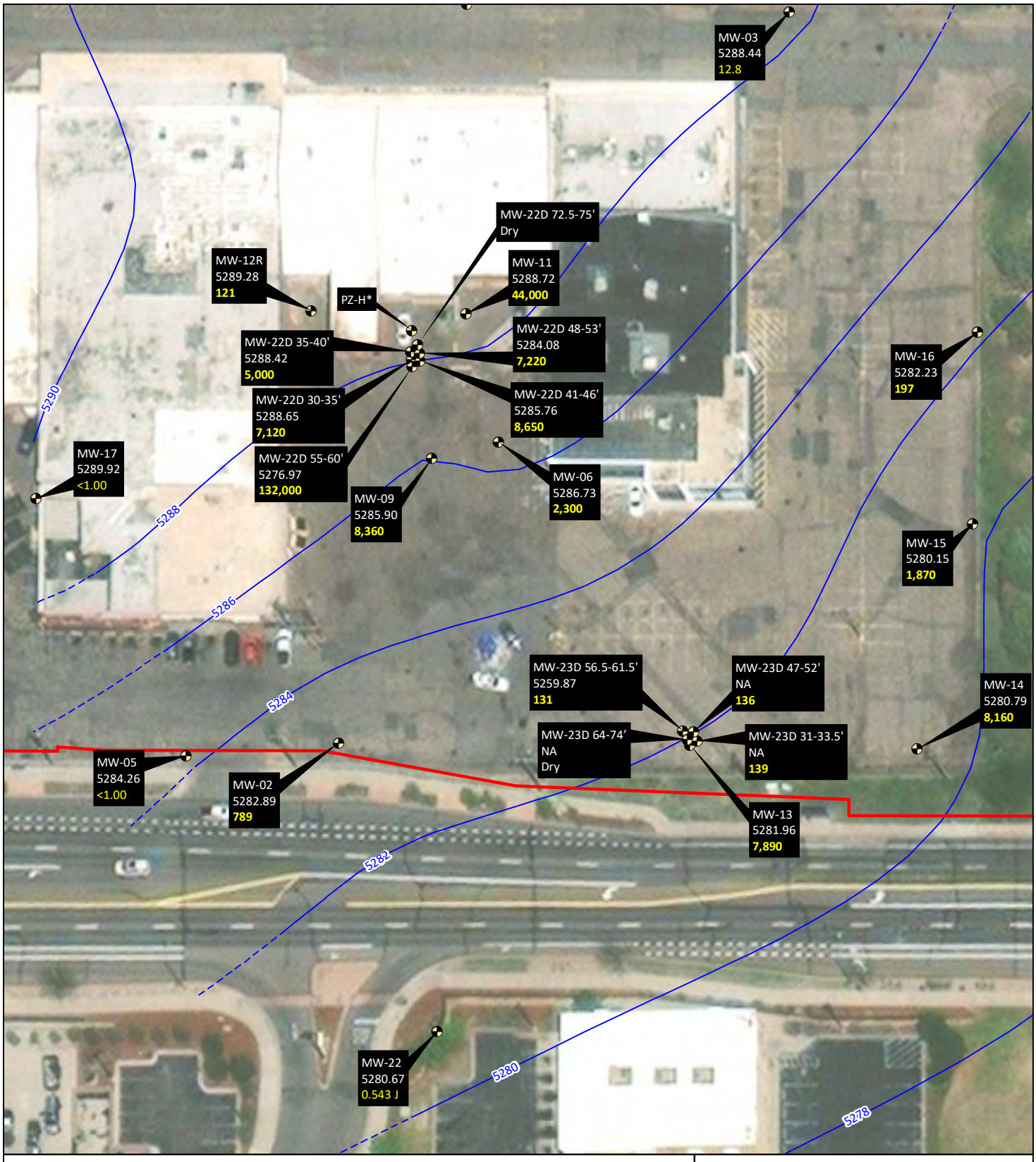
TSC Property
Monitoring Well Location
2-Foot Groundwater Contour Interval
Inferred Contour
Direction of Groundwater Flow
* - Not Used for Contouring

MW-21 / 5260.93 / <1.00 — Well ID / Groundwater Elevation (feet AMSL) / PCE Concentration in µg/L
INA - Well Inaccessible
NA - Not Applicable

0 125 250 feet
N

Figure 4
Groundwater Flow and PCE Concentrations 2nd Quarter 2024

ERO Resources Corp.



Thornton Shopping Center

- TSC Property
- Monitoring Well Location
- 2-Foot Groundwater Contour Interval
- Inferred Contour
- Direction of Groundwater Flow
- * - Not Used for Contouring

MW-22 / 5280.67 / 0.543 J — Well ID / Groundwater Elevation (feet AMSL) / PCE Concentration in µg/L

N

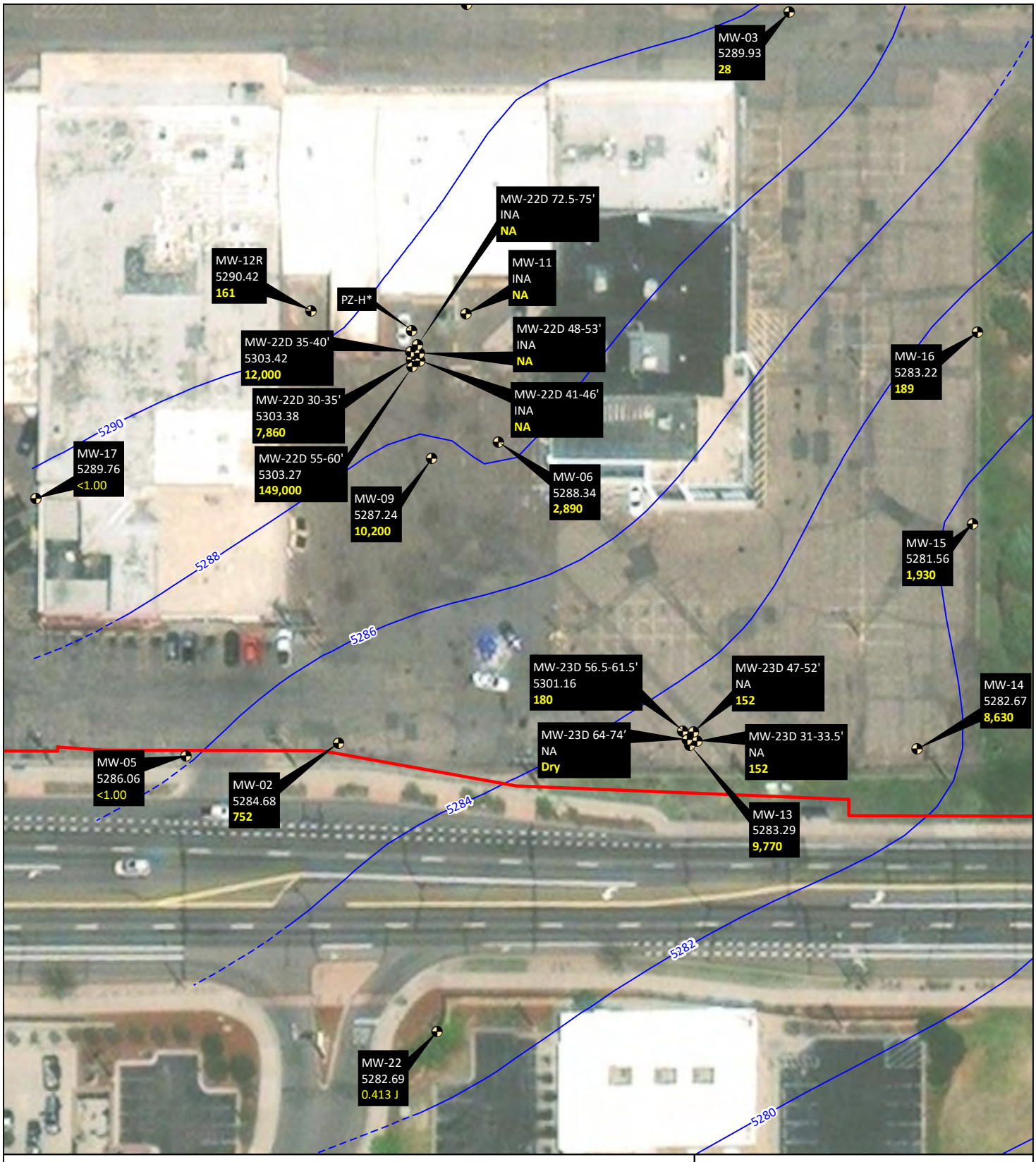
0 35 70 feet

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community 4/22/2022

Figure 6
Groundwater and PCE Concentrations Enlargement
1st Quarter 2024

File: 10197 Figure 6 PCE 1Q24.mxd [dlH]
July 8, 2024

ERO Resources Corp.



Thornton Shopping Center

TSC Property

Monitoring Well Location

2-Foot Groundwater Contour Interval

Inferred Contour

* - Not Used for Contouring

MW-22 — Well ID
5282.69 — Groundwater Elevation (feet AMSL)
0.413 J — PCE Concentration in µg/L
INA - Well Inaccessible
NA - Not Applicable

N

0 35 70 feet

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community 4/22/2022

Figure 7
Groundwater and PCE Concentrations Enlargement
2nd Quarter 2024

File: 10197 Figure 7 PCE 2Q24.mxd [dlH]
July 8, 2024

ERO Resources Corp.

Table 3. 1st Half 2024 groundwater elevations.

Table 3. 1st Half 2024 groundwater elevations.

Well ID	Date of Measurement	Ground Surface Elevation (feet above TOC)	Depth to Water (feet below top of casing)	Water Table Elevation (feet above MSL)
MW-01	1/23/2024	5299.16	9.68	5289.48
MW-01	4/23/2024	5299.16	8.26	5290.90
MW-02	1/24/2024	5302.21	19.32	5282.89
MW-02	4/24/2024	5302.21	17.53	5284.68
MW-03	1/24/2024	5301.07	12.63	5288.44
MW-03	4/23/2024	5301.07	11.14	5289.93
MW-04	1/24/2024	5299.42	11.34	5288.08
MW-04	4/24/2024	5299.42	10.24	5289.18
MW-05	1/23/2024	5302.58	18.32	5284.26
MW-05	4/23/2024	5302.58	16.52	5286.06
MW-06	1/24/2024	5303.23	16.50	5286.73
MW-06	4/24/2024	5303.23	14.89	5288.34
MW-08	1/23/2024	5298.95	10.49	5288.46
MW-08	4/23/2024	5298.95	9.23	5289.72
MW-09	1/24/2024	5302.62	16.72	5285.90
MW-09	4/24/2024	5302.62	15.38	5287.24
MW-10	1/23/2024	5301.73	12.52	5289.21
MW-10	4/23/2024	5301.73	11.53	5290.20
MW-11	1/24/2024	5303.25	14.53	5288.72
MW-11	4/23/2024	5303.25	NM	--
MW-12R	1/24/2024	5303.55	14.27	5289.28
MW-12R	4/24/2024	5303.55	13.13	5290.42
MW-13	1/24/2024	5301.02	19.06	5281.96
MW-13	4/24/2024	5301.02	17.73	5283.29
MW-14	1/24/2024	5300.31	19.52	5280.79
MW-14	4/24/2024	5300.31	17.64	5282.67
MW-15	1/24/2024	5300.16	20.01	5280.15
MW-15	4/24/2024	5300.16	18.60	5281.56
MW-16	1/24/2024	5300.28	18.05	5282.23
MW-16	4/24/2024	5300.28	17.06	5283.22
MW-17	1/23/2024	5303.10	13.18	5289.92
MW-17	4/23/2024	5303.10	13.34	5289.76
MW-18	1/23/2024	5292.40	17.23	5275.17
MW-18	4/23/2024	5292.40	14.66	5277.74
MW-19	1/23/2024	5284.28	12.06	5272.22
MW-19	4/23/2024	5284.28	10.92	5273.36
MW-20	1/23/2024	5291.48	14.49	5276.99
MW-20	4/23/2024	5291.48	13.08	5278.40
MW-21	1/23/2024	5267.91	7.78	5260.13
MW-21	4/23/2024	5267.91	6.98	5260.93
MW-22	1/23/2024	5299.56	18.89	5280.67
MW-22	4/23/2024	5299.56	16.87	5282.69

Table 3. 1st Half 2024 groundwater elevations.

Well ID	Date of Measurement	Ground Surface Elevation (feet above TOC)	Depth to Water (feet below top of casing)	Water Table Elevation (feet above MSL)
MW-22D 30-35'	1/24/2024	5303.38	14.73	5288.65
MW-22D 30-35'	4/24/2024	5303.38	14.48	5288.90
MW-22D 35-40'	1/24/2024	5303.42	15.00	5288.42
MW-22D 35-40'	4/24/2024	5303.42	13.02	5290.40
MW-22D 41-46'	1/24/2024	5303.17	17.41	5285.76
MW-22D 41-46'	4/23/2024	5303.17	NM	--
MW-22D 48-53'	1/24/2024	5303.15	19.07	5284.08
MW-22D 48-53'	4/23/2024	5303.15	NM	--
MW-22D 55-60'	1/24/2024	5303.27	26.30	5276.97
MW-22D 55-60'	4/24/2024	5303.27	26.53	5276.74
MW-22D 72.5-75'	1/23/2024	5303.44	DRY	--
MW-22D 72.5-75'	4/23/2024	5303.44	NM	--
MW-23	1/23/2024	5290.01	17.13	5272.88
MW-23	4/23/2024	5290.01	16.18	5273.83
MW-23D 31-33.5'	1/23/2024	NA	18.62	NA
MW-23D 31-33.5'	4/23/2024	NA	18.50	NA
MW-23D 47-52'	1/23/2024	NA	21.02	NA
MW-23D 47-52'	4/23/2024	NA	21.25	NA
MW-23D 56.5-61.5'	1/23/2024	5301.16	34.28	5259.87
MW-23D 56.5-61.5'	4/23/2024	5301.16	34.82	5259.87
MW-23D 64-74'	1/23/2024	5301.12	DRY	NA
MW-23D 64-74'	4/23/2024	5301.12	DRY	NA
MW-24	1/23/2024	5283.66	12.43	5271.23
MW-24	4/23/2024	5283.66	11.30	5272.36
MW-25	1/24/2024	5280.03	10.18	5269.85
MW-25	4/24/2024	5280.03	8.94	5271.09
MW-26D	1/23/2024	5284.75	13.14	5271.61
MW-26D	4/23/2024	5284.75	13.28	5271.47
MW-27	1/23/2024	5301.80	11.77	5290.03
MW-27	4/23/2024	5301.80	9.81	5291.99
MW-28	1/23/2024	5301.62	12.60	5289.02
MW-28	4/23/2024	5301.62	10.80	5290.82
MW-29	1/24/2024	5276.07	9.57	5266.50
MW-29	4/24/2024	5276.07	8.36	5267.71
MW-30	1/24/2024	5260.74	11.10	5249.64
MW-30	4/24/2024	5260.74	11.13	5249.61
MW-31	1/23/2024	5246.61	9.66	5236.95
MW-31	4/23/2024	5246.61	8.01	5238.60
MW-32	1/23/2024	5251.06	8.78	5242.28
MW-32	4/23/2024	5251.06	8.14	5242.92
MW-33	1/24/2024	5257.23	9.76	5247.47
MW-33	4/23/2024	5257.23	8.89	5248.34

Table 3. 1st Half 2024 groundwater elevations.

Well ID	Date of Measurement	Ground Surface Elevation (feet above TOC)	Depth to Water (feet below top of casing)	Water Table Elevation (feet above MSL)
MW-34	1/24/2024	5269.36	11.53	5257.83
MW-34	4/23/2024	5269.36	9.78	5259.58
MW-35	1/24/2024	5271.72	10.37	5261.35
MW-35	4/24/2024	5271.72	8.53	5263.19

Table 4. 1st Half 2024 groundwater parameters.

Table 4. 1st Half 2024 groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)	pH	Specific Conductance (µS/cm)	Dissolved Oxygen (mg/L)	ORP (mV)
MW-01	1/23/2024	16.6	7.46	4,216	1.77	165.0
MW-01	4/23/2024	16.5	7.81	4,492	7.33	-67.8
MW-02	1/24/2024	17.0	7.08	6,313	0.35	96.1
MW-02	4/24/2024	17.7	7.19	5,921	0.33	3.2
MW-03	1/24/2024	16.7	7.15	4,813	1.99	108.1
MW-03	4/23/2024	15.5	7.39	2,048	3.29	12.7
MW-04	1/24/2024	16.0	7.33	2364.0	2.40	63.7
MW-04	4/24/2024	14.8	7.31	2574.0	2.85	6.8
MW-05	1/23/2024	17.0	6.88	7,344	4.47	108.0
MW-05	4/23/2024	16.2	7.28	6,410	7.26	-69.0
MW-06	1/24/2024	17.3	1.17	5,480	0.16	105.2
MW-06	4/24/2024	17.0	7.32	5,203	0.16	132.0
MW-08	1/23/2024	15.3	7.21	5,143	0.47	90.8
MW-08	4/23/2024	15.1	7.35	4,939	0.68	7.3
MW-09	1/24/2024	15.8	7.03	5,582	1.13	112.7
MW-09	4/24/2024	17.3	7.07	3,481	0.14	-4.3
MW-10	1/23/2024	16.7	6.80	3,788	6.43	126.4
MW-10	4/23/2024	15.5	6.86	10,893	1.75	9.7
MW-11	1/24/2024	18.0	7.06	1,870	0.49	109.0
MW-11	4/23/2024	NS	NS	NS	NS	NS
MW-12R	1/24/2024	16.1	8.17	828	0.47	71.2
MW-12R	4/24/2024	15.4	8.24	797	0.31	2.7
MW-13	1/24/2024	16.80	6.94	6,520	0.24	123.0
MW-13	4/24/2024	16.90	7.24	6,218	0.41	130.0
MW-14	1/24/2024	16.4	6.79	6,097	0.24	118.0
MW-14	4/24/2024	16.3	7.21	6,466	0.12	124.0
MW-15	1/24/2024	16.5	6.88	5,489	0.20	123.0
MW-15	4/24/2024	16.5	7.19	5,751	1.33	104.0
MW-16	1/24/2024	16.2	6.80	5,374	0.34	117.0
MW-16	4/24/2024	15.6	6.96	5,018	6.74	13.7
MW-17	1/23/2024	16.9	7.35	2,764	3.05	114.8
MW-17	4/23/2024	15.7	7.45	2,942	3.60	11.0
MW-18	1/23/2024	NS	NS	NS	NS	NS
MW-18	4/23/2024	NS	NS	NS	NS	NS
MW-19	1/23/2024	NS	NS	NS	NS	NS
MW-19	4/23/2024	NS	NS	NS	NS	NS
MW-20	1/23/2024	NS	NS	NS	NS	NS
MW-20	4/23/2024	NS	NS	NS	NS	NS
MW-21	1/23/2024	14.7	7.00	6,125	2.17	-29.1
MW-21	4/23/2024	14.3	7.17	5,937	0.14	3.6
MW-22	1/23/2024	15.2	7.29	4,580	2.37	94.1

Table 4. 1st Half 2024 groundwater parameters.

MW-22	4/23/2024	14.9	7.38	4,623	4.32	12.5
MW-22D 30-35'	1/24/2024	16.9	6.89	6,649	1.72	131.0
MW-22D 30-35'	4/24/2024	16.8	7.18	6,279	2.22	134.0
MW-22D 35-40'	1/24/2024	17.0	6.94	5,739	1.85	127.0
MW-22D 35-40'	4/24/2024	16.7	7.32	5,484	3.56	133.0
MW-22D 41-46'	1/24/2024	16.3	6.76	6,731	1.12	126.0
MW-22D 41-46'	4/23/2024	NS	NS	NS	NS	NS
MW-22D 48-53'	1/24/2024	16.3	6.74	6,991	2.23	135.0
MW-22D 48-53'	4/23/2024	NS	NS	NS	NS	NS
MW-22D 55-60'	1/24/2024	16.7	6.71	6,971	1.26	130.3
MW-22D 55-60'	4/24/2024	16.7	7.05	6,732	3.00	158.2
MW-22D 72.5-75'	1/23/2024	NS	NS	NS	NS	NS
MW-22D 72.5-75'	4/23/2024	NS	NS	NS	NS	NS
MW-23	1/23/2024	17.4	6.88	6,573	1.17	112.6
MW-23	4/23/2024	16.9	6.99	6,332	1.10	10.9
MW-23D 31-33.5'	1/23/2024	16.3	7.05	7,196	2.03	86.0
MW-23D 31-33.5'	4/23/2024	16.3	7.36	6,894	3.90	69.9
MW-23D 47-52'	1/23/2024	16.1	7.3	5371.0	2.0	44.0
MW-23D 47-52'	4/23/2024	16.2	7.6	2279.0	2.7	-12.0
MW-23D 56.5-61.5'	1/23/2024	16.8	6.42	7,084.00	1.58	91.0
MW-23D 56.5-61.5'	4/23/2024	15.9	7.27	6,832.00	3.41	135.0
MW-23D 64-74'	1/23/2024	NS	NS	NS	NS	NS
MW-23D 64-74'	4/23/2024	NS	NS	NS	NS	NS
MW-24	1/23/2024	NS	NS	NS	NS	NS
MW-24	4/23/2024	NS	NS	NS	NS	NS
MW-25	1/24/2024	14.2	6.87	6,110	0.74	75.0
MW-25	4/24/2024	20.1	6.97	5,965	1.30	11.5
MW-26D	1/23/2024	15.2	7.03	7,022	1.83	34.4
MW-26D	4/23/2024	14.8	7.35	6,813	2.88	127.2
MW-27	1/23/2024	17.1	6.93	7,379	0.62	106.9
MW-27	4/23/2024	15.4	7.05	7,836	0.60	7.1
MW-28	1/23/2024	17.3	6.97	6,010	1.09	106.6
MW-28	4/23/2024	15.8	7.11	5,925	0.12	10.7
MW-29	1/24/2024	16.4	6.95	6,079	1.52	100.4
MW-29	4/24/2024	15.3	7.14	6,308	0.33	17.0
MW-30	1/24/2024	15.1	7.18	6,335	1.14	107.3
MW-30	4/24/2024	14.5	7.32	6,423	0.40	16.0
MW-31	1/23/2024	15.3	6.90	7,250	1.49	111.7
MW-31	4/23/2024	14.2	7.02	7,617	1.58	8.6
MW-32	1/23/2024	15.7	7.10	5,614	1.56	109.9
MW-32	4/23/2024	14.9	7.21	5,617	0.89	8.1
MW-33	1/24/2024	15.6	7.13	5,533	1.02	102.7
MW-33	4/23/2024	15.1	7.38	6,464	0.65	9.2
MW-34	1/24/2024	15.7	6.89	4,959	1.19	107.7

Table 4. 1st Half 2024 groundwater parameters.

MW-34	4/23/2024	15.0	6.98	4,973	0.21	8.7
MW-35	1/24/2024	15.7	6.87	5,046	3.50	123.6
MW-35	4/24/2024	14.8	7.10	3,973	4.42	20.2

µS/cm = microsiemens per centimeter
mg/L = milligrams per liter
mV = millivolts
°C = Degree Celsius
NS - No parameters taken

Table 5. 1st Half 2024 groundwater sample results.

Table 5. 1st Half 2024 roundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
MW-01	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-01	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-02	ERO	1/24/2024	**789**	3.75 J	3.93 J	<5.00	<5.00	<5.00	--
MW-02	ERO	4/24/2024	**752**	3.51 J	3.25 J	<5.00	<5.00	<5.00	--
MW-03	ERO	1/24/2024	12.8	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-03	ERO	4/23/2024	**28**	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-04	ERO	1/24/2024	**85.9**	2.8	<1.00	<1.00	<1.00	<1.00	--
MW-04	ERO	4/24/2024	**98.4**	2.48	<1.00	<1.00	<1.00	<1.00	--
MW-05	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-05	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-06	ERO	1/24/2024	**2,300**	**21.4**	42.7	<20.0	<20.0	<20.0	--
MW-06	ERO	4/24/2024	**2,890**	**18.1 J**	35.1	<20.0	<20.0	<20.0	--
MW-08	ERO	1/23/2024	1.12 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-08	ERO	4/23/2024	2.9	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-09	ERO	1/24/2024	**8,360**	**42.7 J**	47 J	<100	<100	<100	--
MW-09	ERO	1/24/2024	**7,130**	<200	<200	<200	<200	<200	--
MW-09	ERO	4/24/2024	**10,200**	<100	21.3 J	<100	<100	<100	--
MW-09	ERO	4/24/2024	**8,970**	<100	20.3 J	<100	<100	<100	--
MW-10	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-10	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-11	ERO	1/24/2024	**44,000**	**428 J**	**752**	<500	<500	<500	--
MW-11	ERO	4/23/2024	NA	NA	NA	NA	NA	NA	NA
MW-12R	ERO	1/24/2024	**121**	0.963 J	0.399 J	<1.00	<1.00	<1.00	--
MW-12R	ERO	4/24/2024	**161**	0.53 J	<1.00	<1.00	<1.00	<1.00	--
MW-13	ERO	1/24/2024	**7,890**	50 J	108	<100	<100	<100	**436**
MW-13	ERO	4/24/2024	**9,770**	<100	46.8 J	<100	<100	<100	**467**
MW-14	ERO	1/24/2024	**8,160**	**41 J**	**73.7 J**	<100	<100	<100	**407**
MW-14	ERO	4/24/2024	**8,630**	**25.7 J**	43.4 J	<100	<100	<100	**428**
MW-15	ERO	1/24/2024	**1,870**	**14.2**	22.2	<10.0	<10.0	<10.0	**574**
MW-15	ERO	4/24/2024	**1,930**	10.1	15.7	<10.0	<10.0	<10.0	**631**
MW-16	ERO	1/24/2024	**197**	**9.72**	11.2	<1.00	<1.00	<1.00	--
MW-16	ERO	1/24/2024	**181**	**10.5**	11.7	0.152 J	<1.00	<1.00	--
MW-16	ERO	4/24/2024	**175**	3.5 J	2.92 J	<10.0	<10.0	<10.0	--
MW-16	ERO	4/24/2024	**189**	<10.0	4.18 J	<10.0	<10.0	<10.0	--
MW-17	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-17	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-18	ERO	1/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-18	ERO	4/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-19	ERO	1/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-19	ERO	4/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-20	ERO	1/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-20	ERO	4/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-21	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-21	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-22	ERO	1/23/2024	0.543 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-22	ERO	4/23/2024	0.413 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-22D 30-35'	ERO	1/24/2024	**7,120**	**20.7 J**	<50.0	<50.0	<50.0	<50.0	--
MW-22D 30-35'	ERO	4/24/2024	**7,860**	<50.0	<50.0	<50.0	<50.0	<50.0	--
MW-22D 35-40'	ERO	1/24/2024	**5,000**	**19.9 J**	7.17 J	<50.0	<50.0	<50.0	--
MW-22D 35-40'	ERO	4/24/2024	**12,000**	<200	<200	<200	<200	<200	--
MW-22D 41-46'	ERO	1/24/2024	**8,650**	**21.6 J**	<50.0	<50.0	<50.0	<50.0	--
MW-22D 41-46'	ERO	1/24/2024	**7,980**	**22 J**	<50.0	<50.0	<50.0	<50.0	--
MW-22D 41-46'	ERO	4/23/2024	NA	NA	NA	NA	NA	NA	NA
MW-22D 48-53'	ERO	1/24/2024	**7,220**	**34.1 J**	<50.0	<50.0	<50.0	<50.0	--
MW-22D 48-53'	ERO	4/23/2024	NA	NA	NA	NA	NA	NA	NA
MW-22D 55-60'	ERO	1/24/2024	**132,000**	<1000	<1000	<1000	<1000	<1000	--
MW-22D 55-60'	ERO	4/24/2024	**149,000**	<1000	<1000	<1000	<1000	<1000	--
MW-22D 55-60'	ERO	4/24/2024	**142,000**	<1000	<1000	<1000	<1000	<1000	--
MW-22D 72.5-75'	ERO	1/23/2024	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-22D 72.5-75'	ERO	4/23/2024	NA	NA	NA	NA	NA	NA	NA
MW-23	ERO	1/23/2024	3.71	<1.00	<1.00	<1.00	<1.00	<1.00	208
MW-23	ERO	4/23/2024	5.08	<1.00	<1.00	<1.00	<1.00	<1.00	207

Table 5. 1st Half 2024 roundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
MW-23D 31-33.5'	ERO	1/23/2024	**139**	2.72	2.92	<1.00	<1.00	<1.00	--
MW-23D 31-33.5'	ERO	4/23/2024	**145**	4.35	4.12	<1.00	<1.00	<1.00	--
MW-23D 47-52'	ERO	1/23/2024	**136**	4.55 J	<10.0	<10.0	<10.0	<10.0	--
MW-23D 47-52'	ERO	4/23/2024	**152**	7.05 J	1.55 J	<10.0	<10.0	<10.0	--
MW-23D 56.5-61.5'	ERO	1/23/2024	**131**	4.76	<1.00	<1.00	<1.00	<1.00	--
MW-23D 56.5-61.5'	ERO	4/23/2024	**180**	4.75	<1.00	<1.00	<1.00	<1.00	--
MW-23D 64-74'	ERO	1/23/2024	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-23D 64-74'	ERO	4/23/2024	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-24	ERO	1/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-24	ERO	4/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-25	ERO	1/24/2024	**319**	**39.6**	4.39 J	<5.00	<5.00	<5.00	--
MW-25	ERO	4/24/2024	**228**	**23.8**	1.81 J	<5.00	<5.00	<5.00	--
MW-26D	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	74.4
MW-26D	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	85.1
MW-27	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-27	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-28	ERO	1/23/2024	8.7	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-28	ERO	4/23/2024	6.41	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-29	ERO	1/24/2024	**580**	**44.1**	8.55 J	6.97 J	<10.0	<10.0	--
MW-29	ERO	4/24/2024	**831**	**36.2**	3.43 J	4.08 J	<10.0	<10.0	--
MW-30	ERO	1/24/2024	**205**	**6.18**	0.808 J	<1.00	<1.00	<1.00	--
MW-30	ERO	4/24/2024	**268**	3.41 J	<10.0	<10.0	<10.0	<10.0	--
MW-31	ERO	1/23/2024	**17.5**	3.12	0.566 J	<1.00	<1.00	<1.00	--
MW-31	ERO	4/23/2024	**18.7**	**7.11**	0.422 J	<1.00			--
MW-32	ERO	1/23/2024	**17.7**	2.44	0.794 J	<1.00	<1.00	<1.00	--
MW-32	ERO	4/23/2024	**19.7**	2.69	0.617 J	<1.00	<1.00	<1.00	--
MW-33	ERO	1/24/2024	**76**	2.44	0.794 J	<1.00	<1.00	<1.00	--
MW-33	ERO	4/23/2024	**88.3**	2.82	0.378 J	<1.00	<1.00	<1.00	--
MW-34	ERO	1/24/2024	**94.3**	**145**	39.4	27.1	0.26 J	0.236 J	--
MW-34	ERO	4/23/2024	**115**	**158**	48.6	31.2	<1.00	<1.00	--
MW-35	ERO	1/24/2024	**258**	**7.04**	2.5	0.175 J	<1.00	<1.00	--
MW-35	ERO	4/24/2024	**174**	4.03	0.989 J	<1.00	<1.00	<1.00	--

Blue highlighted cell indicates that the constituent was detected in the water sample at a concentration greater than the lab reporting limit

Bold value indicates that the constituent was detected in the water sample at a concentration greater than the CBGWS

DRY = Well is dry at time of sampling event

NA = Well was inaccessible at the time of sampling event

qual to the laboratory reporting limit. Associated value is the laboratory reporting limit for that constituent, in that water sample.

[a] µg/L = micrograms per liter

[b] mg/L = milligrams per liter

Freedom Environmental Constultants, Inc.

[d] LTE = LT Environmental, Inc.

Remediation Risk Reduction, LLC

ETTEW = Rettew Associates, Inc.

um = Quantum Water & Environment

[h] ND = no detection

= not reported in previous reports

vater sample was not analyzed for the constituent indicated.

ommission Regulation No. 41: The Basic Standards for Ground Water, Table A (June 30, 2020).

art of Post-Injection Monitoring after BOS-100 injections.

r Quality Control Commission Regulation No. 41: The Basic Standards for Ground Water, Table 2 - Domestic Water Supply Well - Drinl

Table 6. Historical groundwater elevations.

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-01	10/15/2005	11.04	5299.16	5288.12
MW-01	3/22/2006	11.18	5299.16	5287.98
MW-01	6/28/2006	9.58	5299.16	5289.58
MW-01	10/12/2006	9.70	5299.16	5289.46
MW-01	1/20/2007	9.56	5299.16	5289.60
MW-01	4/20/2007	8.98	5299.16	5290.18
MW-01	7/14/2007	8.94	5299.16	5290.22
MW-01	6/13/2008	8.92	5299.16	5290.24
MW-01	10/3/2008	8.90	5299.16	5290.26
MW-01	3/31/2009	9.58	5299.16	5289.58
MW-01	6/30/2009	8.88	5299.16	5290.28
MW-01	10/14/2009	9.03	5299.16	5290.13
MW-01	12/15/2009	9.26	5299.16	5289.90
MW-01	3/31/2010	9.61	5299.16	5289.55
MW-01	8/17/2011	8.89	5299.16	5290.27
MW-01	3/30/2012	9.50	5299.16	5289.66
MW-01	6/14/2012	8.40	5299.16	5290.76
MW-01	9/13/2012	8.91	5299.16	5290.25
MW-01	12/13/2012	10.34	5299.16	5288.82
MW-01	3/19/2013	10.56	5299.16	5288.60
MW-01	10/24/2013	9.73	5299.16	5289.43
MW-01	4/22/2014	6.50	5299.16	5292.66
MW-01	10/20/2014	8.36	5299.16	5290.80
MW-01	2/9/2015	10.28	5299.16	5288.88
MW-01	10/7/2015	7.70	5299.16	5291.46
MW-01	4/13/2016	3.73	5299.16	5295.43
MW-01	10/13/2016	8.79	5299.16	5290.37
MW-01	4/11/2017	10.37	5299.16	5288.79
MW-01	10/24/2017	8.69	5299.16	5290.47
MW-01	5/22/2018	8.80	5299.16	5290.36
MW-01	10/11/2018	8.95	5299.16	5290.21
MW-01	4/5/2019	9.82	5299.16	5289.34
MW-01	5/14/2019	9.81	5299.16	5289.35
MW-01	10/7/2019	9.07	5299.16	5290.09
MW-01	4/6/2020	9.61	5299.16	5289.55
MW-01	10/20/2020	9.50	5299.16	5289.66
MW-01	12/6/2021	9.00	5299.16	5290.16
MW-01	3/22/2022	6.33	5299.16	5292.83
MW-01	1/23/2023	9.54	5299.16	5289.62
MW-01	4/24/2023	9.13	5299.16	2590.03
MW-01	7/13/2023	8.63	5299.16	5290.53
MW-01	10/16/2023	8.05	5299.16	5291.11
MW-01	1/23/2024	9.68	5299.16	5289.48
MW-01	4/23/2024	8.26	5299.16	5290.90
MW-02	10/15/2005	25.27	5302.21	5276.94

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-02	3/22/2006	19.80	5302.21	5282.41
MW-02	6/28/2006	17.45	5302.21	5284.76
MW-02	10/12/2006	16.50	5302.21	5285.71
MW-02	1/20/2007	16.03	5302.21	5286.18
MW-02	4/20/2007	17.08	5302.21	5285.13
MW-02	7/14/2007	16.05	5302.21	5286.16
MW-02	6/13/2008	16.03	5302.21	5286.18
MW-02	10/3/2008	15.75	5302.21	5286.46
MW-02	3/31/2009	19.53	5302.21	5282.68
MW-02	6/30/2009	16.83	5302.21	5285.38
MW-02	10/14/2009	14.63	5302.21	5287.58
MW-02	12/15/2009	16.03	5302.21	5286.18
MW-02	3/31/2010	17.73	5302.21	5284.48
MW-02	8/17/2011	15.32	5302.21	5286.89
MW-02	3/30/2012	17.10	5302.21	5285.11
MW-02	6/14/2012	16.52	5302.21	5285.69
MW-02	9/13/2012	16.91	5302.21	5285.30
MW-02	12/13/2012	18.58	5302.21	5283.63
MW-02	3/19/2013	18.68	5302.21	5283.53
MW-02	10/24/2013	15.98	5302.21	5286.23
MW-02	4/22/2014	17.86	5302.21	5284.35
MW-02	10/20/2014	16.10	5302.21	5286.11
MW-02	2/9/2015	18.65	5302.21	5283.56
MW-02	10/7/2015	16.33	5302.21	5285.88
MW-02	4/13/2016	17.13	5302.21	5285.08
MW-02	10/13/2016	16.83	5302.21	5285.38
MW-02	4/11/2017	18.16	5302.21	5284.05
MW-02	10/24/2017	16.10	5302.21	5286.11
MW-02	5/22/2018	16.05	5302.21	5286.16
MW-02	10/11/2018	15.69	5302.21	5286.52
MW-02	4/5/2019	17.10	5302.21	5285.11
MW-02	5/14/2019	17.03	5302.21	5285.18
MW-02	10/7/2019	16.92	5302.21	5285.29
MW-02	4/6/2020	17.73	5302.21	5284.48
MW-02	10/20/2020	17.21	5302.21	5285.00
MW-02	12/9/2021	18.08	5302.21	5284.13
MW-02	3/28/2022	18.67	5302.21	5283.54
MW-02	1/26/2023	18.40	5302.21	5283.81
MW-02	4/25/2023	18.23	5302.21	5283.98
MW-02	7/13/2023	16.48	5302.21	5285.73
MW-02	10/17/2023	16.28	5302.21	5285.93
MW-02	1/24/2024	19.32	5302.21	5282.89
MW-02	4/24/2024	17.53	5302.21	5284.68
MW-03	10/15/2005	11.73	5301.07	5289.34
MW-03	3/22/2006	13.45	5301.07	5287.62

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-03	6/28/2006	12.28	5301.07	5288.79
MW-03	10/12/2006	12.13	5301.07	5288.94
MW-03	1/20/2007	11.36	5301.07	5289.71
MW-03	4/20/2007	11.17	5301.07	5289.90
MW-03	7/14/2007	10.63	5301.07	5290.44
MW-03	6/13/2008	11.54	5301.07	5289.53
MW-03	10/3/2008	10.80	5301.07	5290.27
MW-03	3/31/2009	13.11	5301.07	5287.96
MW-03	6/30/2009	10.33	5301.07	5290.74
MW-03	10/14/2009	11.55	5301.07	5289.52
MW-03	12/15/2009	11.85	5301.07	5289.22
MW-03	3/31/2010	12.07	5301.07	5289.00
MW-03	8/17/2011	10.85	5301.07	5290.22
MW-03	3/30/2012	12.16	5301.07	5288.91
MW-03	6/14/2012	11.15	5301.07	5289.92
MW-03	9/13/2012	11.66	5301.07	5289.41
MW-03	12/13/2012	12.91	5301.07	5288.16
MW-03	3/19/2013	14.02	5301.07	5287.05
MW-03	10/24/2013	11.02	5301.07	5290.05
MW-03	4/22/2014	12.14	5301.07	5288.93
MW-03	10/20/2014	11.06	5301.07	5290.01
MW-03	2/9/2015	13.02	5301.07	5288.05
MW-03	10/7/2015	10.98	5301.07	5290.09
MW-03	4/13/2016	11.46	5301.07	5289.61
MW-03	10/13/2016	11.55	5301.07	5289.52
MW-03	4/11/2017	13.10	5301.07	5287.97
MW-03	10/24/2017	11.39	5301.07	5289.68
MW-03	5/22/2018	11.46	5301.07	5289.61
MW-03	4/5/2019	12.42	5301.07	5288.65
MW-03	5/14/2019	12.36	5301.07	5288.71
MW-03	10/7/2019	11.72	5301.07	5289.35
MW-03	4/6/2020	12.07	5301.07	5289.00
MW-03	10/20/2020	12.02	5301.07	5289.05
MW-03	12/8/2021	11.95	5301.07	5289.12
MW-03	3/22/2022	12.59	5301.07	5288.48
MW-03	1/24/2023	12.31	5301.07	5288.76
MW-03	4/24/2023	11.83	5301.07	5289.24
MW-03	7/13/2023	9.92	5301.07	5291.15
MW-03	10/16/2023	10.90	5301.07	5290.17
MW-03	1/24/2024	12.63	5301.07	5288.44
MW-03	4/23/2024	11.14	5301.07	5289.93
MW-04	10/15/2005	10.41	5299.42	5289.01
MW-04	3/22/2006	12.26	5299.42	5287.16
MW-04	6/28/2006	11.77	5299.42	5287.65
MW-04	10/12/2006	11.30	5299.42	5288.12

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-04	1/20/2007	10.72	5299.42	5288.70
MW-04	4/20/2007	10.40	5299.42	5289.02
MW-04	7/14/2007	9.73	5299.42	5289.69
MW-04	6/13/2008	10.40	5299.42	5289.02
MW-04	10/3/2008	9.70	5299.42	5289.72
MW-04	3/31/2009	12.22	5299.42	5287.20
MW-04	6/30/2009	10.10	5299.42	5289.32
MW-04	10/14/2009	10.80	5299.42	5288.62
MW-04	12/15/2009	10.50	5299.42	5288.92
MW-04	3/31/2010	11.02	5299.42	5288.40
MW-04	8/17/2011	10.14	5299.42	5289.28
MW-04	3/30/2012	11.42	5299.42	5288.00
MW-04	6/14/2012	10.35	5299.42	5289.07
MW-04	9/13/2012	9.95	5299.42	5289.47
MW-04	12/13/2012	11.86	5299.42	5287.56
MW-04	3/19/2013	12.93	5299.42	5286.49
MW-04	10/24/2013	9.96	5299.42	5289.46
MW-04	4/22/2014	11.41	5299.42	5288.01
MW-04	10/20/2014	10.30	5299.42	5289.12
MW-04	2/9/2015	12.06	5299.42	5287.36
MW-04	10/7/2015	10.35	5299.42	5289.07
MW-04	4/13/2016	10.40	5299.42	5289.02
MW-04	10/13/2016	10.81	5299.42	5288.61
MW-04	4/11/2017	12.82	5299.42	5286.60
MW-04	10/24/2017	10.69	5299.42	5288.73
MW-04	5/22/2018	10.93	5299.42	5288.49
MW-04	10/11/2018	10.49	5299.42	5288.93
MW-04	4/5/2019	11.29	5299.42	5288.13
MW-04	5/14/2019	11.41	5299.42	5288.01
MW-04	10/7/2019	11.03	5299.42	5288.39
MW-04	4/6/2020	11.02	5299.42	5288.40
MW-04	10/20/2020	11.21	5299.42	5288.21
MW-04	12/8/2021	11.20	5299.42	5288.22
MW-04	3/22/2022	9.66	5299.42	5289.76
MW-04	1/24/2023	9.13	5299.42	5290.29
MW-04	4/24/2023	11.43	5299.42	5287.99
MW-04	7/13/2023	9.36	5299.42	5290.06
MW-04	10/16/2023	10.11	5299.42	5289.31
MW-04	1/24/2024	11.34	5299.42	5288.08
MW-04	4/24/2024	10.24	5299.42	5289.18
MW-05	10/15/2005	15.94	5302.58	5286.64
MW-05	3/22/2006	18.60	5302.58	5283.98
MW-05	6/28/2006	16.12	5302.58	5286.46
MW-05	10/12/2006	16.49	5302.58	5286.09
MW-05	1/20/2007	15.53	5302.58	5287.05

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-05	4/20/2007	15.63	5302.58	5286.95
MW-05	7/14/2007	15.26	5302.58	5287.32
MW-05	6/13/2008	16.14	5302.58	5286.44
MW-05	10/3/2008	14.96	5302.58	5287.62
MW-05	3/31/2009	18.53	5302.58	5284.05
MW-05	6/30/2009	14.14	5302.58	5288.44
MW-05	10/14/2009	15.71	5302.58	5286.87
MW-05	12/15/2009	15.81	5302.58	5286.77
MW-05	3/31/2010	16.07	5302.58	5286.51
MW-05	8/17/2011	14.48	5302.58	5288.10
MW-05	3/30/2012	15.65	5302.58	5286.93
MW-05	6/14/2012	15.01	5302.58	5287.57
MW-05	9/13/2012	15.60	5302.58	5286.98
MW-05	12/13/2012	16.90	5302.58	5285.68
MW-05	3/19/2013	16.19	5302.58	5286.39
MW-05	10/24/2013	14.48	5302.58	5288.10
MW-05	4/22/2014	15.54	5302.58	5287.04
MW-05	10/20/2014	14.55	5302.58	5288.03
MW-05	2/9/2015	16.93	5302.58	5285.65
MW-05	10/7/2015	15.33	5302.58	5287.25
MW-05	4/13/2016	15.91	5302.58	5286.67
MW-05	10/13/2016	14.64	5302.58	5287.94
MW-05	4/11/2017	16.25	5302.58	5286.33
MW-05	10/24/2017	14.39	5302.58	5288.19
MW-05	5/22/2018	16.01	5302.58	5286.57
MW-05	10/11/2018	14.21	5302.58	5288.37
MW-05	4/5/2019	15.79	5302.58	5286.79
MW-05	5/14/2019	15.78	5302.58	5286.80
MW-05	10/7/2019	15.85	5302.58	5286.73
MW-05	4/6/2020	16.07	5302.58	5286.51
MW-05	10/20/2020	16.18	5302.58	5286.40
MW-05	12/9/2021	16.99	5302.58	5285.59
MW-05	3/28/2022	17.54	5302.58	5285.04
MW-05	2/20/2023	16.90	5302.58	5285.68
MW-05	4/24/2023	17.07	5302.58	5285.51
MW-05	7/13/2023	14.48	5302.58	5288.10
MW-05	10/17/2023	14.82	5302.58	5287.76
MW-05	1/23/2024	18.32	5302.58	5284.26
MW-05	4/23/2024	16.52	5302.58	5286.06
MW-06	10/15/2005	15.20	5303.23	5288.03
MW-06	3/22/2006	17.06	5303.23	5286.17
MW-06	6/28/2006	16.13	5303.23	5287.10
MW-06	10/12/2006	15.47	5303.23	5287.76
MW-06	1/20/2007	15.19	5303.23	5288.04
MW-06	4/20/2007	14.22	5303.23	5289.01

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-06	7/14/2007	13.74	5303.23	5289.49
MW-06	6/13/2008	14.80	5303.23	5288.43
MW-06	10/3/2008	14.95	5303.23	5288.28
MW-06	3/31/2009	16.64	5303.23	5286.59
MW-06	6/30/2009	15.70	5303.23	5287.53
MW-06	10/14/2009	14.72	5303.23	5288.51
MW-06	12/15/2009	15.02	5303.23	5288.21
MW-06	3/31/2010	16.33	5303.23	5286.90
MW-06	8/17/2011	13.98	5303.23	5289.25
MW-06	3/30/2012	15.58	5303.23	5287.65
MW-06	6/14/2012	14.86	5303.23	5288.37
MW-06	9/13/2012	15.31	5303.23	5287.92
MW-06	3/19/2013	17.22	5303.23	5286.01
MW-06	10/24/2013	16.27	5303.23	5286.96
MW-06	4/22/2014	16.42	5303.23	5286.81
MW-06	10/20/2014	15.53	5303.23	5287.70
MW-06	2/9/2015	16.66	5303.23	5286.57
MW-06	10/7/2015	14.90	5303.23	5288.33
MW-06	4/13/2016	14.93	5303.23	5288.30
MW-06	10/13/2016	15.43	5303.23	5287.80
MW-06	4/11/2017	16.84	5303.23	5286.39
MW-06	10/24/2017	14.90	5303.23	5288.33
MW-06	5/22/2018	14.89	5303.23	5288.34
MW-06	10/11/2018	14.94	5303.23	5288.29
MW-06	4/5/2019	16.01	5303.23	5287.22
MW-06	5/14/2019	15.87	5303.23	5287.36
MW-06	10/7/2019	15.40	5303.23	5287.83
MW-06	4/6/2020	16.33	5303.23	5286.90
MW-06	10/20/2020	15.61	5303.23	5287.62
MW-06	12/13/2021	15.92	5303.23	5287.31
MW-06	3/28/2022	16.07	5303.23	5287.16
MW-06	1/26/2023	15.78	5303.23	5287.45
MW-06	4/25/2023	15.70	5303.23	5287.53
MW-06	7/13/2023	13.32	5303.23	5289.91
MW-06	10/17/2023	14.42	5303.23	5288.81
MW-06	1/24/2024	16.50	5303.23	5286.73
MW-06	4/24/2024	14.89	5303.23	5288.34
MW-08	10/15/2005	13.97	5298.95	5284.98
MW-08	3/22/2006	11.70	5298.95	5287.25
MW-08	6/28/2006	10.97	5298.95	5287.98
MW-08	10/12/2006	10.57	5298.95	5288.38
MW-08	1/20/2007	10.35	5298.95	5288.60
MW-08	4/20/2007	9.77	5298.95	5289.18
MW-08	7/14/2007	9.02	5298.95	5289.93
MW-08	6/13/2008	9.35	5298.95	5289.60

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-08	10/3/2008	9.18	5298.95	5289.77
MW-08	3/31/2009	11.63	5298.95	5287.32
MW-08	6/30/2009	9.52	5298.95	5289.43
MW-08	10/14/2009	10.03	5298.95	5288.92
MW-08	12/15/2009	10.02	5298.95	5288.93
MW-08	3/31/2010	10.38	5298.95	5288.57
MW-08	8/17/2011	9.37	5298.95	5289.58
MW-08	3/30/2012	10.58	5298.95	5288.37
MW-08	6/14/2012	9.65	5298.95	5289.30
MW-08	9/13/2012	9.39	5298.95	5289.56
MW-08	12/13/2012	10.98	5298.95	5287.97
MW-08	3/19/2013	12.19	5298.95	5286.76
MW-08	10/24/2013	9.17	5298.95	5289.78
MW-08	4/22/2014	10.56	5298.95	5288.39
MW-08	10/20/2014	9.49	5298.95	5289.46
MW-08	2/9/2015	11.20	5298.95	5287.75
MW-08	10/7/2015	9.55	5298.95	5289.40
MW-08	4/13/2016	9.68	5298.95	5289.27
MW-08	10/13/2016	9.91	5298.95	5289.04
MW-08	12/6/2021	10.10	5298.95	5288.85
MW-08	4/11/2017	11.31	5298.95	5287.64
MW-08	10/24/2017	9.83	5298.95	5289.12
MW-08	5/22/2018	10.06	5298.95	5288.89
MW-08	10/11/2018	9.99	5298.95	5288.96
MW-08	4/5/2019	10.89	5298.95	5288.06
MW-08	5/14/2019	10.85	5298.95	5288.10
MW-08	10/7/2019	10.12	5298.95	5288.83
MW-08	4/6/2020	10.58	5298.95	5288.37
MW-08	10/20/2020	10.30	5298.95	5288.65
MW-08	12/6/2021	10.10	5298.95	5288.85
MW-08	3/22/2022	10.85	5298.95	5288.10
MW-08	1/24/2023	10.79	5298.95	2588.16
MW-08	4/24/2023	10.41	5298.95	5288.54
MW-08	7/12/2023	8.53	5298.95	5290.42
MW-08	10/16/2023	9.04	5298.95	5289.91
MW-08	1/23/2024	10.49	5298.95	5288.46
MW-08	4/23/2024	9.23	5298.95	5289.72
MW-09	3/22/2006	16.80	5302.62	5285.82
MW-09	6/28/2006	15.39	5302.62	5287.23
MW-09	10/12/2006	15.80	5302.62	5286.82
MW-09	1/20/2007	15.25	5302.62	5287.37
MW-09	4/20/2007	14.97	5302.62	5287.65
MW-09	7/14/2007	14.66	5302.62	5287.96
MW-09	6/13/2008	15.58	5302.62	5287.04
MW-09	10/3/2008	14.48	5302.62	5288.14

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-09	3/31/2009	16.68	5302.62	5285.94
MW-09	6/30/2009	13.74	5302.62	5288.88
MW-09	10/14/2009	15.31	5302.62	5287.31
MW-09	12/15/2009	15.69	5302.62	5286.93
MW-09	3/31/2010	16.10	5302.62	5286.52
MW-09	3/30/2012	15.98	5302.62	5286.64
MW-09	6/14/2012	15.38	5302.62	5287.24
MW-09	9/13/2012	15.93	5302.62	5286.69
MW-09	12/13/2012	16.69	5302.62	5285.93
MW-09	3/19/2013	16.72	5302.62	5285.90
MW-09	10/24/2013	15.00	5302.62	5287.62
MW-09	4/22/2014	16.11	5302.62	5286.51
MW-09	10/20/2014	15.37	5302.62	5287.25
MW-09	2/9/2015	16.66	5302.62	5285.96
MW-09	10/7/2015	15.46	5302.62	5287.16
MW-09	4/13/2016	15.22	5302.62	5287.40
MW-09	10/13/2016	15.84	5302.62	5286.78
MW-09	4/11/2017	16.46	5302.62	5286.16
MW-09	10/24/2017	15.19	5302.62	5287.43
MW-09	5/22/2018	14.84	5302.62	5287.78
MW-09	10/11/2018	14.91	5302.62	5287.71
MW-09	4/5/2019	16.04	5302.62	5286.58
MW-09	5/14/2019	15.98	5302.62	5286.64
MW-09	10/7/2019	15.75	5302.62	5286.87
MW-09	4/6/2020	15.98	5302.62	5286.64
MW-09	10/20/2020	15.90	5302.62	5286.72
MW-09	12/9/2021	15.96	5302.62	5286.66
MW-09	3/28/2022	16.15	5302.62	5286.47
MW-09	1/26/2023	16.04	5302.62	5286.58
MW-09	4/25/2023	15.86	5302.62	5286.76
MW-09	7/13/2023	13.78	5302.62	5288.84
MW-09	10/17/2023	15.04	5302.62	5287.58
MW-09	1/24/2024	16.72	5302.62	5285.90
MW-09	4/24/2024	15.38	5302.62	5287.24
MW-10	3/22/2006	13.74	5301.73	5287.99
MW-10	6/28/2006	11.93	5301.73	5289.80
MW-10	10/12/2006	11.85	5301.73	5289.88
MW-10	1/20/2007	12.98	5301.73	5288.75
MW-10	4/20/2007	11.82	5301.73	5289.91
MW-10	7/14/2007	10.46	5301.73	5291.27
MW-10	6/13/2008	11.23	5301.73	5290.50
MW-10	10/3/2008	12.82	5301.73	5288.91
MW-10	3/31/2009	13.59	5301.73	5288.14
MW-10	6/30/2009	11.07	5301.73	5290.66
MW-10	10/14/2009	11.49	5301.73	5290.24

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-10	12/15/2009	11.34	5301.73	5290.39
MW-10	3/31/2010	12.47	5301.73	5289.26
MW-10	8/17/2011	10.98	5301.73	5290.75
MW-10	3/30/2012	10.98	5301.73	5290.75
MW-10	6/14/2012	11.12	5301.73	5290.61
MW-10	9/13/2012	11.50	5301.73	5290.23
MW-10	12/13/2012	12.25	5301.73	5289.48
MW-10	10/24/2013	10.68	5301.73	5291.05
MW-10	4/22/2014	11.37	5301.73	5290.36
MW-10	10/20/2014	10.41	5301.73	5291.32
MW-10	2/9/2015	12.12	5301.73	5289.61
MW-10	10/7/2015	10.83	5301.73	5290.90
MW-10	4/13/2016	11.73	5301.73	5290.00
MW-10	10/13/2016	10.94	5301.73	5290.79
MW-10	4/11/2017	12.73	5301.73	5289.00
MW-10	10/24/2017	10.95	5301.73	5290.78
MW-10	5/22/2018	11.93	5301.73	5289.80
MW-10	10/11/2018	11.06	5301.73	5290.67
MW-10	4/5/2019	12.22	5301.73	5289.51
MW-10	5/14/2019	12.09	5301.73	5289.64
MW-10	10/7/2019	11.97	5301.73	5289.76
MW-10	4/6/2020	10.98	5301.73	5290.75
MW-10	10/20/2020	11.76	5301.73	5289.97
MW-10	12/6/2021	11.38	5301.73	5290.35
MW-10	3/22/2022	12.37	5301.73	5289.36
MW-10	1/23/2023	11.94	5301.73	5289.79
MW-10	4/24/2023	11.53	5301.73	5290.20
MW-10	7/12/2023	11.49	5301.73	5290.24
MW-10	10/16/2023	10.31	5301.73	5291.42
MW-10	1/23/2024	12.52	5301.73	5289.21
MW-10	4/23/2024	11.53	5301.73	5290.20
MW-11	3/22/2006	15.76	5303.25	5287.49
MW-11	6/28/2006	13.97	5303.25	5289.28
MW-11	10/12/2006	14.07	5303.25	5289.18
MW-11	1/20/2007	13.88	5303.25	5289.37
MW-11	4/20/2007	12.95	5303.25	5290.30
MW-11	7/14/2007	12.58	5303.25	5290.67
MW-11	6/13/2008	13.48	5303.25	5289.77
MW-11	10/3/2008	12.72	5303.25	5290.53
MW-11	3/31/2009	15.18	5303.25	5288.07
MW-11	6/30/2009	12.42	5303.25	5290.83
MW-11	10/14/2009	13.39	5303.25	5289.86
MW-11	12/15/2009	13.71	5303.25	5289.54
MW-11	3/31/2010	14.01	5303.25	5289.24
MW-11	8/17/2011	12.45	5303.25	5290.80

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-11	3/30/2012	13.98	5303.25	5289.27
MW-11	6/14/2012	13.22	5303.25	5290.03
MW-11	9/13/2012	13.70	5303.25	5289.55
MW-11	12/13/2012	14.99	5303.25	5288.26
MW-11	3/19/2013	15.64	5303.25	5287.61
MW-11	10/24/2013	12.78	5303.25	5290.47
MW-11	4/22/2014	13.74	5303.25	5289.51
MW-11	10/20/2014	12.87	5303.25	5290.38
MW-11	2/9/2015	14.61	5303.25	5288.64
MW-11	10/7/2015	12.71	5303.25	5290.54
MW-11	4/13/2016	14.26	5303.25	5288.99
MW-11	10/13/2016	13.41	5303.25	5289.84
MW-11	4/11/2017	14.74	5303.25	5288.51
MW-11	10/24/2017	12.91	5303.25	5290.34
MW-11	5/22/2018	12.90	5303.25	5290.35
MW-11	10/11/2018	13.02	5303.25	5290.23
MW-11	4/5/2019	14.10	5303.25	5289.15
MW-11	5/14/2019	14.01	5303.25	5289.24
MW-11	10/7/2019	13.45	5303.25	5289.80
MW-11	4/6/2020	13.98	5303.25	5289.27
MW-11	10/20/2020	13.53	5303.25	5289.72
MW-11	12/13/2021	14.02	5303.25	5289.23
MW-11	3/28/2022	14.00	5303.25	5289.25
MW-11	1/26/2023	13.78	5303.25	5298.47
MW-11	4/25/2023	13.38	5303.25	5289.87
MW-11	7/14/2023	11.59	5303.25	5291.66
MW-11	10/17/2023	12.41	5303.25	5290.84
MW-11	1/24/2024	14.53	5303.25	5288.72
MW-11	4/23/2024	NM	5303.25	--
MW-12R	3/22/2006	15.92	5303.55	5287.63
MW-12R	6/28/2006	14.20	5303.55	5289.35
MW-12R	10/12/2006	14.39	5303.55	5289.16
MW-12R	1/20/2007	14.89	5303.55	5288.66
MW-12R	4/20/2007	14.00	5303.55	5289.55
MW-12R	7/14/2007	12.77	5303.55	5290.78
MW-12R	6/13/2008	13.83	5303.55	5289.72
MW-12R	10/3/2008	12.91	5303.55	5290.64
MW-12R	3/31/2009	15.63	5303.55	5287.92
MW-12R	6/30/2009	13.99	5303.55	5289.56
MW-12R	10/14/2009	13.61	5303.55	5289.94
MW-12R	12/15/2009	13.81	5303.55	5289.74
MW-12R	3/31/2010	14.21	5303.55	5289.34
MW-12R	8/17/2011	12.67	5303.55	5290.88
MW-12R	3/30/2012	14.28	5303.55	5289.27
MW-12R	6/14/2012	13.49	5303.55	5290.06

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-12R	9/13/2012	14.06	5303.55	5289.49
MW-12R	12/13/2012	14.79	5303.55	5288.76
MW-12R	3/19/2013	16.32	5303.55	5287.23
MW-12R	10/24/2013	13.27	5303.55	5290.28
MW-12R	4/22/2014	13.72	5303.55	5289.83
MW-12R	10/20/2014	12.64	5303.55	5290.91
MW-12R	2/9/2015	14.39	5303.55	5289.16
MW-12R	10/7/2015	12.92	5303.55	5290.63
MW-12R	4/13/2016	13.31	5303.55	5290.24
MW-12R	10/13/2016	13.35	5303.55	5290.20
MW-12R	4/11/2017	14.73	5303.55	5288.82
MW-12R	10/24/2017	12.76	5303.55	5290.79
MW-12R	5/22/2018	12.52	5303.55	5291.03
MW-12R	10/11/2018	12.61	5303.55	5290.94
MW-12R	4/5/2019	13.95	5303.55	5289.60
MW-12R	5/14/2019	13.86	5303.55	5289.69
MW-12R	10/7/2019	13.51	5303.55	5290.04
MW-12R	4/6/2020	14.28	5303.55	5289.27
MW-12R	10/20/2020	13.97	5303.55	5289.58
MW-12R	12/13/2021	13.92	5303.55	5289.63
MW-12R	3/28/2022	13.53	5303.55	5290.02
MW-12R	1/26/2023	13.36	5303.55	5290.19
MW-12R	4/25/2023	14.32	5303.55	5289.23
MW-12R	7/13/2023	10.94	5303.55	5292.61
MW-12R	10/17/2023	12.24	5303.55	5291.31
MW-12R	1/24/2024	14.27	5303.55	5289.28
MW-12R	4/24/2024	13.13	5303.55	5290.42
MW-13	3/22/2006	19.47	5301.02	5281.55
MW-13	6/28/2006	17.73	5301.02	5283.29
MW-13	10/12/2006	16.98	5301.02	5284.04
MW-13	1/20/2007	16.80	5301.02	5284.22
MW-13	4/20/2007	16.75	5301.02	5284.27
MW-13	7/14/2007	15.81	5301.02	5285.21
MW-13	6/13/2008	16.54	5301.02	5284.48
MW-13	10/3/2008	15.31	5301.02	5285.71
MW-13	3/31/2009	19.34	5301.02	5281.68
MW-13	6/30/2009	15.50	5301.02	5285.52
MW-13	10/14/2009	15.74	5301.02	5285.28
MW-13	12/15/2009	16.39	5301.02	5284.63
MW-13	3/31/2010	17.23	5301.02	5283.79
MW-13	8/17/2011	15.79	5301.02	5285.23
MW-13	3/30/2012	17.60	5301.02	5283.42
MW-13	6/14/2012	16.89	5301.02	5284.13
MW-13	9/13/2012	16.95	5301.02	5284.07
MW-13	12/13/2012	18.74	5301.02	5282.28

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-13	3/19/2013	19.12	5301.02	5281.90
MW-13	10/24/2013	16.29	5301.02	5284.73
MW-13	4/22/2014	18.16	5301.02	5282.86
MW-13	10/20/2014	16.52	5301.02	5284.50
MW-13	2/9/2015	18.80	5301.02	5282.22
MW-13	10/7/2015	16.84	5301.02	5284.18
MW-13	4/13/2016	16.66	5301.02	5284.36
MW-13	10/13/2016	17.55	5301.02	5283.47
MW-13	4/11/2017	18.88	5301.02	5282.14
MW-13	10/24/2017	16.95	5301.02	5284.07
MW-13	5/22/2018	17.10	5301.02	5283.92
MW-13	10/11/2018	16.69	5301.02	5284.33
MW-13	4/5/2019	17.55	5301.02	5283.47
MW-13	5/14/2019	17.51	5301.02	5283.51
MW-13	10/7/2019	17.41	5301.02	5283.61
MW-13	4/6/2020	17.60	5301.02	5283.42
MW-13	10/20/2020	17.38	5301.02	5283.64
MW-13	7/22/2021	15.84	5301.02	5285.18
MW-13	8/23/2021	16.24	5301.02	5284.78
MW-13	10/7/2021	16.98	5301.02	5284.04
MW-13	11/10/2021	17.77	5301.02	5283.25
MW-13	12/8/2021	18.41	5301.02	5282.61
MW-13	3/25/2022	18.77	5301.02	5282.25
MW-13	1/26/2023	18.44	5301.02	5282.58
MW-13	4/25/2023	18.42	5301.02	5282.60
MW-13	8/25/2023	16.46	5301.02	5284.56
MW-13	7/14/2023	16.04	5301.02	5284.98
MW-13	10/17/2023	17.25	5301.02	5283.77
MW-13	1/24/2024	19.06	5301.02	5281.96
MW-13	4/24/2024	17.73	5301.02	5283.29
MW-14	3/22/2006	18.81	5300.31	5281.50
MW-14	6/28/2006	17.35	5300.31	5282.96
MW-14	10/12/2006	16.76	5300.31	5283.55
MW-14	1/20/2007	16.51	5300.31	5283.80
MW-14	4/20/2007	16.84	5300.31	5283.47
MW-14	7/14/2007	16.30	5300.31	5284.01
MW-14	6/13/2008	16.68	5300.31	5283.63
MW-14	10/3/2008	15.52	5300.31	5284.79
MW-14	3/31/2009	17.23	5300.31	5283.08
MW-14	6/30/2009	14.83	5300.31	5285.48
MW-14	10/14/2009	16.55	5300.31	5283.76
MW-14	12/15/2009	17.00	5300.31	5283.31
MW-14	3/31/2010	16.99	5300.31	5283.32
MW-14	8/17/2011	16.05	5300.31	5284.26
MW-14	3/30/2012	17.28	5300.31	5283.03

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-14	6/14/2012	17.01	5300.31	5283.30
MW-14	9/13/2012	16.82	5300.31	5283.49
MW-14	12/13/2012	18.69	5300.31	5281.62
MW-14	3/19/2013	18.86	5300.31	5281.45
MW-14	10/24/2013	16.40	5300.31	5283.91
MW-14	4/22/2014	18.05	5300.31	5282.26
MW-14	10/20/2014	16.98	5300.31	5283.33
MW-14	2/9/2015	18.40	5300.31	5281.91
MW-14	10/7/2015	17.47	5300.31	5282.84
MW-14	4/13/2016	16.73	5300.31	5283.58
MW-14	10/13/2016	17.94	5300.31	5282.37
MW-14	4/11/2017	18.82	5300.31	5281.49
MW-14	10/24/2017	17.25	5300.31	5283.06
MW-14	5/22/2018	17.70	5300.31	5282.61
MW-14	10/11/2018	17.13	5300.31	5283.18
MW-14	4/5/2019	18.06	5300.31	5282.25
MW-14	5/14/2019	18.05	5300.31	5282.26
MW-14	10/7/2019	18.09	5300.31	5282.22
MW-14	4/6/2020	17.28	5300.31	5283.03
MW-14	10/20/2020	17.82	5300.31	5282.49
MW-14	7/22/2021	16.51	5300.31	5283.80
MW-14	8/23/2021	16.65	5300.31	5283.66
MW-14	10/7/2021	17.46	5300.31	5282.85
MW-14	12/8/2021	18.82	5300.31	5281.49
MW-14	3/28/2022	18.72	5300.31	5281.59
MW-14	1/26/2023	18.41	5300.31	5281.90
MW-14	4/25/2023	18.53	5300.31	5281.78
MW-14	7/13/2023	16.14	5300.31	5284.17
MW-14	10/17/2023	17.50	5300.31	5282.81
MW-14	1/24/2024	19.52	5300.31	5280.79
MW-14	4/24/2024	17.64	5300.31	5282.67
MW-15	6/28/2006	19.46	5300.16	5280.70
MW-15	10/12/2006	18.20	5300.16	5281.96
MW-15	1/20/2007	17.14	5300.16	5283.02
MW-15	4/20/2007	17.43	5300.16	5282.73
MW-15	7/14/2007	17.22	5300.16	5282.94
MW-15	6/13/2008	18.37	5300.16	5281.79
MW-15	10/3/2008	16.81	5300.16	5283.35
MW-15	3/31/2009	19.82	5300.16	5280.34
MW-15	6/30/2009	15.74	5300.16	5284.42
MW-15	10/14/2009	17.87	5300.16	5282.29
MW-15	12/15/2009	18.24	5300.16	5281.92
MW-15	3/31/2010	18.05	5300.16	5282.11
MW-15	8/17/2011	17.08	5300.16	5283.08
MW-15	3/30/2012	19.01	5300.16	5281.15

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-15	6/14/2012	18.30	5300.16	5281.86
MW-15	9/13/2012	18.44	5300.16	5281.72
MW-15	12/13/2012	19.75	5300.16	5280.41
MW-15	3/19/2013	20.39	5300.16	5279.77
MW-15	10/24/2013	17.03	5300.16	5283.13
MW-15	4/22/2014	19.01	5300.16	5281.15
MW-15	10/20/2014	18.10	5300.16	5282.06
MW-15	2/9/2015	19.60	5300.16	5280.56
MW-15	10/7/2015	18.58	5300.16	5281.58
MW-15	4/13/2016	17.47	5300.16	5282.69
MW-15	10/13/2016	19.16	5300.16	5281.00
MW-15	4/11/2017	20.37	5300.16	5279.79
MW-15	10/24/2017	18.46	5300.16	5281.70
MW-15	5/22/2018	18.82	5300.16	5281.34
MW-15	10/11/2018	18.78	5300.16	5281.38
MW-15	4/5/2019	19.23	5300.16	5280.93
MW-15	5/14/2019	19.25	5300.16	5280.91
MW-15	10/7/2019	19.31	5300.16	5280.85
MW-15	4/6/2020	19.01	5300.16	5281.15
MW-15	10/20/2020	18.87	5300.16	5281.29
MW-15	7/22/2021	16.87	5300.16	5283.29
MW-15	8/23/2021	17.16	5300.16	5283.00
MW-15	10/7/2021	18.07	5300.16	5282.09
MW-15	12/8/2021	19.28	5300.16	5280.88
MW-15	3/28/2022	19.48	5300.16	5280.68
MW-15	1/26/2023	19.31	5300.16	5280.85
MW-15	4/25/2023	19.31	5300.16	5280.85
MW-15	7/13/2023	16.57	5300.16	5283.59
MW-15	10/17/2023	18.16	5300.16	5282.00
MW-15	1/24/2024	20.01	5300.16	5280.15
MW-15	4/24/2024	18.60	5300.16	5281.56
MW-16	6/28/2006	17.55	5300.28	5282.73
MW-16	10/12/2006	16.83	5300.28	5283.45
MW-16	1/20/2007	16.98	5300.28	5283.30
MW-16	4/20/2007	15.54	5300.28	5284.74
MW-16	7/14/2007	15.77	5300.28	5284.51
MW-16	6/13/2008	17.09	5300.28	5283.19
MW-16	10/3/2008	14.96	5300.28	5285.32
MW-16	3/31/2009	17.51	5300.28	5282.77
MW-16	6/30/2009	14.83	5300.28	5285.45
MW-16	10/14/2009	15.56	5300.28	5284.72
MW-16	12/15/2009	16.49	5300.28	5283.79
MW-16	3/31/2010	16.45	5300.28	5283.83
MW-16	8/17/2011	15.81	5300.28	5284.47
MW-16	3/30/2012	17.28	5300.28	5283.00

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-16	6/14/2012	16.47	5300.28	5283.81
MW-16	9/13/2012	16.57	5300.28	5283.71
MW-16	12/13/2012	18.70	5300.28	5281.58
MW-16	3/19/2013	18.45	5300.28	5281.83
MW-16	10/24/2013	15.83	5300.28	5284.45
MW-16	4/22/2014	17.31	5300.28	5282.97
MW-16	10/20/2014	16.51	5300.28	5283.77
MW-16	2/9/2015	17.85	5300.28	5282.43
MW-16	10/7/2015	16.45	5300.28	5283.83
MW-16	4/13/2016	15.92	5300.28	5284.36
MW-16	10/13/2016	17.30	5300.28	5282.98
MW-16	4/11/2017	18.52	5300.28	5281.76
MW-16	10/24/2017	17.12	5300.28	5283.16
MW-16	5/22/2018	17.48	5300.28	5282.80
MW-16	10/11/2018	17.40	5300.28	5282.88
MW-16	4/5/2019	17.80	5300.28	5282.48
MW-16	5/14/2019	17.81	5300.28	5282.47
MW-16	10/7/2019	17.58	5300.28	5282.70
MW-16	4/6/2020	17.28	5300.28	5283.00
MW-16	10/20/2020	17.04	5300.28	5283.24
MW-16	12/8/2021	15.42	5300.28	5284.86
MW-16	3/22/2022	17.78	5300.28	5282.50
MW-16	1/24/2023	18.17	5300.28	5282.11
MW-16	4/25/2023	19.97	5300.28	5280.31
MW-16	7/13/2023	15.79	5300.28	5284.49
MW-16	10/17/2023	16.59	5300.28	5283.69
MW-16	1/24/2024	18.05	5300.28	5282.23
MW-16	4/24/2024	17.06	5300.28	5283.22
MW-17	6/28/2006	10.73	5303.10	5292.37
MW-17	10/12/2006	11.05	5303.10	5292.05
MW-17	1/20/2007	13.13	5303.10	5289.97
MW-17	4/20/2007	11.06	5303.10	5292.04
MW-17	7/14/2007	10.77	5303.10	5292.33
MW-17	6/13/2008	11.00	5303.10	5292.10
MW-17	10/3/2008	11.06	5303.10	5292.04
MW-17	3/31/2009	14.38	5303.10	5288.72
MW-17	6/30/2009	11.28	5303.10	5291.82
MW-17	10/14/2009	11.41	5303.10	5291.69
MW-17	12/15/2009	12.67	5303.10	5290.43
MW-17	3/31/2010	12.70	5303.10	5290.40
MW-17	8/17/2011	10.56	5303.10	5292.54
MW-17	3/30/2012	12.30	5303.10	5290.80
MW-17	6/14/2012	11.92	5303.10	5291.18
MW-17	9/13/2012	12.41	5303.10	5290.69
MW-17	12/13/2012	12.71	5303.10	5290.39

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-17	3/19/2013	12.73	5303.10	5290.37
MW-17	10/24/2013	11.59	5303.10	5291.51
MW-17	4/22/2014	13.05	5303.10	5290.05
MW-17	10/20/2014	10.92	5303.10	5292.18
MW-17	2/9/2015	13.20	5303.10	5289.90
MW-17	10/7/2015	11.71	5303.10	5291.39
MW-17	4/13/2016	11.39	5303.10	5291.71
MW-17	10/13/2016	11.53	5303.10	5291.57
MW-17	4/11/2017	11.39	5303.10	5291.71
MW-17	10/24/2017	10.93	5303.10	5292.17
MW-17	5/22/2018	10.80	5303.10	5292.30
MW-17	10/11/2018	10.20	5303.10	5292.90
MW-17	4/5/2019	12.43	5303.10	5290.67
MW-17	5/14/2019	12.35	5303.10	5290.75
MW-17	10/7/2019	12.13	5303.10	5290.97
MW-17	4/6/2020	12.30	5303.10	5290.80
MW-17	10/20/2020	12.56	5303.10	5290.54
MW-17	12/9/2021	13.82	5303.10	5289.28
MW-17	3/28/2022	14.71	5303.10	5288.39
MW-17	1/23/2023	13.91	5303.10	5289.19
MW-17	4/24/2023	13.91	5303.10	5289.19
MW-17	7/12/2023	12.94	5303.10	5290.16
MW-17	10/16/2023	11.96	5303.10	5291.14
MW-17	1/23/2024	13.18	5303.10	5289.92
MW-17	4/23/2024	13.34	5303.10	5289.76
MW-18	8/17/2011	15.08	5292.40	5277.32
MW-18	3/30/2012	16.56	5292.40	5275.84
MW-18	6/14/2012	16.28	5292.40	5276.12
MW-18	9/13/2012	12.20	5292.40	5280.20
MW-18	12/13/2012	17.17	5292.40	5275.23
MW-18	3/19/2013	17.17	5292.40	5275.23
MW-18	10/24/2013	14.86	5292.40	5277.54
MW-18	4/22/2014	16.25	5292.40	5276.15
MW-18	10/20/2014	15.89	5292.40	5276.51
MW-18	2/9/2015	17.06	5292.40	5275.34
MW-18	10/7/2015	16.12	5292.40	5276.28
MW-18	4/13/2016	14.68	5292.40	5277.72
MW-18	10/13/2016	16.65	5292.40	5275.75
MW-18	4/11/2017	17.32	5292.40	5275.08
MW-18	10/24/2017	15.97	5292.40	5276.43
MW-18	5/22/2018	15.81	5292.40	5276.59
MW-18	10/11/2018	16.65	5292.40	5275.75
MW-18	4/5/2019	16.51	5292.40	5275.89
MW-18	5/14/2019	16.50	5292.40	5275.90
MW-18	10/7/2019	19.94	5292.40	5272.46

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-18	4/6/2020	16.56	5292.40	5275.84
MW-18	10/20/2020	16.85	5292.40	5275.55
MW-18	7/19/2021	14.17	5292.40	5278.23
MW-18	12/8/2021	16.60	5292.40	5275.80
MW-18	3/23/2022	16.51	5292.40	5275.89
MW-18	4/24/2023	16.48	5292.40	5275.92
MW-18	7/12/2023	13.28	5292.40	5279.12
MW-18	10/16/2023	15.87	5292.40	5276.53
MW-18	1/23/2024	17.23	5292.40	5275.17
MW-18	4/23/2024	14.66	5292.40	5277.74
MW-19	8/17/2011	9.99	5284.28	5274.29
MW-19	3/30/2012	11.28	5284.28	5273.00
MW-19	6/14/2012	11.28	5284.28	5273.00
MW-19	9/13/2012	10.80	5284.28	5273.48
MW-19	12/13/2012	12.26	5284.28	5272.02
MW-19	3/19/2013	13.06	5284.28	5271.22
MW-19	10/24/2013	10.35	5284.28	5273.93
MW-19	4/22/2014	11.73	5284.28	5272.55
MW-19	10/20/2014	9.37	5284.28	5274.91
MW-19	2/9/2015	12.24	5284.28	5272.04
MW-19	10/13/2016	11.11	5284.28	5273.17
MW-19	4/11/2017	12.60	5284.28	5271.68
MW-19	10/24/2017	10.63	5284.28	5273.65
MW-19	5/22/2018	11.18	5284.28	5273.10
MW-19	10/11/2018	10.43	5284.28	5273.85
MW-19	4/5/2019	11.40	5284.28	5272.88
MW-19	5/14/2019	22.34	5284.28	5261.94
MW-19	10/7/2019	11.40	5284.28	5272.88
MW-19	4/6/2020	11.28	5284.28	5273.00
MW-19	10/20/2020	10.19	5284.28	5274.09
MW-19	7/19/2021	9.99	5284.28	5274.29
MW-19	12/8/2021	11.88	5284.28	5272.40
MW-19	3/24/2022	12.25	5284.28	5272.03
MW-19	4/24/2023	12.01	5284.28	5272.27
MW-19	7/12/2023	10.03	5284.28	5274.25
MW-19	10/16/2023	12.08	5284.28	5272.20
MW-19	1/23/2024	12.06	5284.28	5272.22
MW-19	4/23/2024	10.92	5284.28	5273.36
MW-20	8/17/2011	9.52	5291.48	5281.96
MW-20	3/30/2012	12.33	5291.48	5279.15
MW-20	6/14/2012	11.84	5291.48	5279.64
MW-20	9/13/2012	11.08	5291.48	5280.40
MW-20	12/13/2012	13.34	5291.48	5278.14
MW-20	3/19/2013	14.22	5291.48	5277.26
MW-20	10/24/2013	10.05	5291.48	5281.43

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-20	4/22/2014	13.28	5291.48	5278.20
MW-20	10/20/2014	10.96	5291.48	5280.52
MW-20	2/9/2015	13.59	5291.48	5277.89
MW-20	10/7/2015	11.15	5291.48	5280.33
MW-20	4/13/2016	11.58	5291.48	5279.90
MW-20	10/13/2016	12.29	5291.48	5279.19
MW-20	4/11/2017	14.01	5291.48	5277.47
MW-20	10/24/2017	11.14	5291.48	5280.34
MW-20	5/22/2018	12.83	5291.48	5278.65
MW-20	10/11/2018	10.74	5291.48	5280.74
MW-20	4/5/2019	13.02	5291.48	5278.46
MW-20	5/14/2019	12.99	5291.48	5278.49
MW-20	10/7/2019	11.95	5291.48	5279.53
MW-20	4/6/2020	12.33	5291.48	5279.15
MW-20	10/20/2020	10.89	5291.48	5280.59
MW-20	7/19/2021	10.16	5291.48	5281.32
MW-20	12/8/2021	13.62	5291.48	5277.86
MW-20	3/25/2022	14.26	5291.48	5277.22
MW-20	4/24/2023	14.07	5291.48	5277.22
MW-20	7/12/2023	11.25	5291.48	5280.23
MW-20	10/16/2023	14.18	5291.48	5277.30
MW-20	1/23/2024	14.49	5291.48	5276.99
MW-20	4/23/2024	13.08	5291.48	5278.40
MW-21	8/17/2011	11.92	5267.91	5255.99
MW-21	3/30/2012	7.16	5267.91	5260.75
MW-21	6/14/2012	7.29	5267.91	5260.62
MW-21	9/13/2012	6.37	5267.91	5261.54
MW-21	12/13/2012	6.85	5267.91	5261.06
MW-21	3/19/2013	7.88	5267.91	5260.03
MW-21	10/24/2013	7.16	5267.91	5260.75
MW-21	4/22/2014	6.51	5267.91	5261.40
MW-21	10/20/2014	7.60	5267.91	5260.31
MW-21	2/9/2015	7.12	5267.91	5260.79
MW-21	10/7/2015	5.69	5267.91	5262.22
MW-21	4/13/2016	6.55	5267.91	5261.36
MW-21	10/13/2016	6.57	5267.91	5261.34
MW-21	4/11/2017	8.60	5267.91	5259.31
MW-21	10/24/2017	6.35	5267.91	5261.56
MW-21	5/22/2018	7.17	5267.91	5260.74
MW-21	10/11/2018	5.91	5267.91	5262.00
MW-21	4/5/2019	7.85	5267.91	5260.06
MW-21	5/14/2019	11.73	5267.91	5256.18
MW-21	10/7/2019	6.89	5267.91	5261.02
MW-21	4/6/2020	7.16	5267.91	5260.75
MW-21	12/7/2021	8.47	5267.91	5259.44

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-21	3/23/2022	5.43	5267.91	5262.48
MW-21	1/24/2023	7.02	5267.91	5260.89
MW-21	4/24/2023	7.52	5267.91	5260.39
MW-21	7/12/2023	7.44	5267.91	5260.47
MW-21	10/16/2023	7.06	5267.91	5260.85
MW-21	1/23/2024	7.78	5267.91	5260.13
MW-21	4/23/2024	6.98	5267.91	5260.93
MW-22	10/11/2018	15.18	5299.56	5284.38
MW-22	4/5/2019	16.22	5299.56	5283.34
MW-22	10/7/2019	16.22	5299.56	5283.34
MW-22	4/6/2020	15.87	5299.56	5283.69
MW-22	10/20/2020	15.98	5299.56	5283.58
MW-22	12/13/2021	17.96	5299.56	5281.60
MW-22	3/25/2022	18.08	5299.56	5281.48
MW-22	1/24/2023	17.87	5299.56	5281.69
MW-22	4/24/2023	17.90	5299.56	5281.66
MW-22	7/12/2023	14.77	5299.56	5284.79
MW-22	10/16/2023	16.18	5299.56	5283.38
MW-22	1/23/2024	18.89	5299.56	5280.67
MW-22	4/23/2024	16.87	5299.56	5282.69
MW-22D 30-35'	4/1/2019	15.27	5303.38	5288.11
MW-22D 30-35'	11/10/2021	14.36	5303.38	5289.02
MW-22D 30-35'	12/13/2021	14.37	5303.38	5289.01
MW-22D 30-35'	3/25/2022	14.97	5303.38	5288.41
MW-22D 30-35'	1/27/2023	14.56	5303.38	5288.82
MW-22D 30-35'	4/25/2023	14.46	5303.38	5288.92
MW-22D 30-35'	7/12/2023	9.01	5303.38	5294.37
MW-22D 30-35'	10/17/2023	13.19	5303.38	5290.19
MW-22D 30-35'	1/24/2024	14.73	5303.38	5288.65
MW-22D 30-35'	4/24/2024	14.48	5303.38	5288.90
MW-22D 35-40'	4/1/2019	15.52	5303.42	5287.90
MW-22D 35-40'	11/10/2021	13.47	5303.42	5289.95
MW-22D 35-40'	12/13/2021	14.04	5303.42	5289.38
MW-22D 35-40'	3/25/2022	15.42	5303.42	5288.00
MW-22D 35-40'	1/24/2023	14.43	5303.42	5288.99
MW-22D 35-40'	4/25/2023	14.81	5303.42	5288.61
MW-22D 35-40'	7/12/2023	13.12	5303.42	5290.30
MW-22D 35-40'	10/17/2023	12.72	5303.42	5290.70
MW-22D 35-40'	1/24/2024	15.00	5303.42	5288.42
MW-22D 35-40'	4/24/2024	13.02	5303.42	5290.40
MW-22D 41-46'	4/1/2019	15.75	5303.17	5287.42
MW-22D 41-46'	11/10/2021	14.32	5303.17	5288.85
MW-22D 41-46'	11/10/2021	15.08	5303.17	5288.09
MW-22D 41-46'	3/24/2022	17.59	5303.17	5285.58
MW-22D 41-46'	1/27/2023	17.34	5303.17	5285.83

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-22D 41-46'	4/25/2023	17.42	5303.17	5285.75
MW-22D 41-46'	7/12/2023	17.06	5303.17	5286.11
MW-22D 41-46'	10/17/2023	16.65	5303.17	5286.52
MW-22D 41-46'	1/24/2024	17.41	5303.17	5285.76
MW-22D 41-46'	4/23/2024	NM	5303.17	--
MW-22D 48-53'	4/1/2019	19.40	5303.15	5283.75
MW-22D 48-53'	11/10/2021	18.72	5303.15	5284.43
MW-22D 48-53'	12/13/2021	17.98	5303.15	5285.17
MW-22D 48-53'	3/25/2022	20.07	5303.15	5283.08
MW-22D 48-53'	1/24/2023	19.62	5303.15	5283.53
MW-22D 48-53'	4/25/2023	19.89	5303.15	5283.26
MW-22D 48-53'	7/12/2023	20.05	5303.15	5283.10
MW-22D 48-53'	10/17/2023	19.33	5303.15	5283.82
MW-22D 48-53'	1/24/2024	19.07	5303.15	5284.08
MW-22D 48-53'	4/23/2024	NM	5303.15	--
MW-22D 55-60'	4/1/2019	25.47	5303.27	5277.80
MW-22D 55-60'	11/10/2021	25.75	5303.27	5277.52
MW-22D 55-60'	12/13/2021	25.76	5303.27	5277.51
MW-22D 55-60'	3/24/2022	26.53	5303.27	5276.74
MW-22D 55-60'	4/25/2023	26.53	5303.27	5276.74
MW-22D 55-60'	7/12/2023	26.96	5303.27	5276.31
MW-22D 55-60'	10/17/2023	26.30	5303.27	5276.97
MW-22D 55-60'	1/24/2024	26.30	5303.27	5276.97
MW-22D 55-60'	4/24/2024	26.53	5303.27	5276.74
MW-22D 72.5-75'	4/1/2019	DRY	5303.44	--
MW-22D 72.5-75'	11/10/2021	74.75	5303.44	5228.69
MW-22D 72.5-75'	12/13/2021	74.77	5303.44	5228.67
MW-22D 72.5-75'	3/24/2022	74.91	5303.44	5228.53
MW-22D 72.5-75'	4/24/2023	DRY	5303.44	--
MW-22D 72.5-75'	7/12/2023	74.97	5303.44	5228.47
MW-22D 72.5-75'	10/16/2023	DRY	5303.44	--
MW-22D 72.5-75'	1/23/2024	DRY	5303.44	--
MW-22D 72.5-75'	4/23/2024	NM	5303.44	--
MW-23	5/22/2018	19.78	5290.01	5270.23
MW-23	10/11/2018	15.74	5290.01	5274.27
MW-23	4/5/2019	16.76	5290.01	5273.25
MW-23	10/7/2019	16.01	5290.01	5274.00
MW-23	4/6/2020	16.50	5290.01	5273.51
MW-23	10/20/2020	16.26	5290.01	5273.75
MW-23	7/22/2021	14.47	5290.01	5275.54
MW-23	12/8/2021	16.60	5290.01	5273.41
MW-23	8/23/2021	14.18	5290.01	5275.83
MW-23	10/7/2021	15.67	5290.01	5274.34
MW-23	12/8/2021	16.60	5290.01	5273.41
MW-23	3/25/2022	17.45	5290.01	5272.56

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-23	1/24/2023	17.21	5290.01	5272.80
MW-23	4/24/2023	17.04	5290.01	5272.97
MW-23	7/12/2023	14.36	5290.01	5275.65
MW-23	10/16/2023	16.03	5290.01	5273.98
MW-23	1/23/2024	17.13	5290.01	5272.88
MW-23	4/23/2024	16.18	5290.01	5273.83
MW-23D 31-33.5'	4/1/2019	NA	NA	NA
MW-23D 31-33.5'	11/10/2021	17.52	NA	NA
MW-23D 31-33.5'	12/9/2021	17.87	NA	NA
MW-23D 31-33.5'	3/24/2022	19.10	NA	NA
MW-23D 31-33.5'	1/24/2023	18.69	NA	NA
MW-23D 31-33.5'	4/24/2023	18.66	NA	NA
MW-23D 31-33.5'	7/13/2023	16.81	NA	NA
MW-23D 31-33.5'	8/25/2023	16.81	NA	NA
MW-23D 31-33.5'	10/16/2023	17.35	NA	NA
MW-23D 31-33.5'	1/23/2024	18.62	NA	NA
MW-23D 31-33.5'	4/23/2024	18.50	NA	NA
MW-23D 47-52'	4/1/2019	NA	NA	NA
MW-23D 47-52'	11/10/2021	20.05	NA	NA
MW-23D 47-52'	12/9/2021	20.52	NA	NA
MW-23D 47-52'	3/24/2022	21.02	NA	NA
MW-23D 47-52'	1/24/2023	20.58	NA	NA
MW-23D 47-52'	4/24/2023	21.98	NA	NA
MW-23D 47-52'	7/13/2023	NA	NA	NA
MW-23D 47-52'	8/25/2023	NA	NA	NA
MW-23D 47-52'	10/16/2023	20.86	NA	NA
MW-23D 47-52'	1/23/2024	21.02	NA	NA
MW-23D 47-52'	4/23/2024	21.25	NA	NA
MW-23D 56.5-61.5'	4/1/2019	30.51	5301.16	5270.65
MW-23D 56.5-61.5'	11/10/2021	30.22	5301.16	5270.94
MW-23D 56.5-61.5'	3/24/2022	33.16	5301.16	5268.00
MW-23D 56.5-61.5'	1/24/2023	31.65	5301.16	5269.51
MW-23D 56.5-61.5'	4/24/2023	34.63	5301.16	5266.53
MW-23D 56.5-61.5'	7/13/2023	36.09	5301.16	5265.07
MW-23D 56.5-61.5'	8/25/2023	41.29	5301.16	5259.87
MW-23D 56.5-61.5'	10/16/2023	34.36	5301.16	5259.87
MW-23D 56.5-61.5'	1/23/2024	34.28	5301.16	5259.87
MW-23D 56.5-61.5'	4/23/2024	34.82	5301.16	5259.87
MW-23D 64-74'	4/1/2019	DRY	5301.12	--
MW-23D 64-74'	11/10/2021	DRY	5301.12	--
MW-23D 64-74'	12/9/2021	DRY	5301.12	--
MW-23D 64-74'	3/24/2022	NA	5301.12	--
MW-23D 64-74'	1/24/2023	Dry	5301.12	--
MW-23D 64-74'	4/24/2023	DRY	5301.12	--
MW-23D 64-74'	7/12/2023	74.62	5301.12	5226.50

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-23D 64-74'	8/25/2023	74.64	5301.12	5226.48
MW-23D 64-74'	10/16/2023	DRY	5301.12	--
MW-23D 64-74'	1/23/2024	DRY	5301.12	NA
MW-23D 64-74'	4/23/2024	DRY	5301.12	NA
MW-24	5/22/2018	11.34	5283.66	5272.32
MW-24	10/11/2018	10.73	5283.66	5272.93
MW-24	4/5/2019	11.58	5283.66	5272.08
MW-24	10/7/2019	11.58	5283.66	5272.08
MW-24	4/6/2020	11.39	5283.66	5272.27
MW-24	10/20/2020	10.98	5283.66	5272.68
MW-24	12/8/2021	12.34	5283.66	5271.32
MW-24	3/23/2022	12.54	5283.66	5271.12
MW-24	4/24/2023	12.28	5283.66	5271.38
MW-24	7/12/2023	10.45	5283.66	5273.21
MW-24	10/16/2023	12.73	5283.66	5270.93
MW-24	1/23/2024	12.43	5283.66	5271.23
MW-24	4/23/2024	11.30	5283.66	5272.36
MW-25	5/22/2018	9.09	5280.03	5270.94
MW-25	10/11/2018	8.53	5280.03	5271.50
MW-25	4/5/2019	9.09	5280.03	5270.94
MW-25	5/14/2019	9.06	5280.03	5270.97
MW-25	10/7/2019	9.28	5280.03	5270.75
MW-25	4/6/2020	9.14	5280.03	5270.89
MW-25	10/20/2020	8.92	5280.03	5271.11
MW-25	12/7/2021	10.01	5280.03	5270.02
MW-25	3/24/2022	9.93	5280.03	5270.10
MW-25	1/26/2023	9.62	5280.03	5270.41
MW-25	4/25/2023	9.97	5280.03	5270.06
MW-25	7/13/2023	8.27	5280.03	5271.76
MW-25	10/17/2023	9.11	5280.03	5270.92
MW-25	1/24/2024	10.18	5280.03	5269.85
MW-25	4/24/2024	8.94	5280.03	5271.09
MW-26D	5/14/2019	14.93	5284.75	5269.82
MW-26D	7/22/2021	13.05	5284.75	5271.70
MW-26D	8/23/2021	13.70	5284.75	5271.05
MW-26D	10/7/2021	13.94	5284.75	5270.81
MW-26D	12/8/2021	13.46	5284.75	5271.29
MW-26D	3/24/2022	13.78	5284.75	5270.97
MW-26D	1/24/2023	13.23	5284.75	5271.52
MW-26D	4/24/2023	13.69	5284.75	5271.06
MW-26D	7/13/2023	13.98	5284.75	5270.77
MW-26D	10/16/2023	13.24	5284.75	5271.51
MW-26D	1/23/2024	13.14	5284.75	5271.61
MW-26D	4/23/2024	13.28	5284.75	5271.47
MW-27	5/14/2019	10.97	5301.80	5290.83

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-27	12/6/2021	11.17	5301.80	5290.63
MW-27	3/22/2022	11.39	5301.80	5290.41
MW-27	1/24/2023	10.91	5301.80	5290.89
MW-27	4/24/2023	10.23	5301.80	5291.57
MW-27	7/12/2023	8.81	5301.80	5292.99
MW-27	10/16/2023	9.92	5301.80	5291.88
MW-27	1/23/2024	11.77	5301.80	5290.03
MW-27	4/23/2024	9.81	5301.80	5291.99
MW-28	1/24/2023	11.86	5301.62	5289.76
MW-28	4/24/2023	11.31	5301.62	5290.31
MW-28	7/12/2023	9.41	5301.62	5292.21
MW-28	10/16/2023	10.59	5301.62	5291.03
MW-28	1/23/2024	12.60	5301.62	5289.02
MW-28	4/23/2024	10.80	5301.62	5290.82
MW-29	5/14/2019	8.35	5276.07	5267.72
MW-29	12/7/2021	9.34	5276.07	5266.73
MW-29	3/23/2022	8.80	5276.07	5267.27
MW-29	2/20/2023	8.83	5276.07	5267.24
MW-29	4/25/2023	9.13	5276.07	5266.94
MW-29	7/13/2023	7.64	5276.07	5268.43
MW-29	10/17/2023	8.47	5276.07	5267.60
MW-29	1/24/2024	9.57	5276.07	5266.50
MW-29	4/24/2024	8.36	5276.07	5267.71
MW-30	5/14/2019	7.44	5260.74	5253.30
MW-30	12/7/2021	8.99	5260.74	5251.75
MW-30	3/23/2022	8.10	5260.74	5252.64
MW-30	1/26/2023	8.14	5260.74	5252.60
MW-30	4/25/2023	10.16	5260.74	5250.58
MW-30	7/13/2023	10.09	5260.74	5250.65
MW-30	10/17/2023	10.35	5260.74	5250.39
MW-30	1/24/2024	11.10	5260.74	5249.64
MW-30	4/24/2024	11.13	5260.74	5249.61
MW-31	5/14/2019	8.46	5246.61	5238.15
MW-31	12/6/2021	10.35	5246.61	5236.26
MW-31	3/23/2022	8.35	5246.61	5238.26
MW-31	1/25/2023	8.11	5246.61	5238.50
MW-31	4/24/2023	8.66	5246.61	5237.95
MW-31	7/13/2023	7.40	5246.61	5239.21
MW-31	10/17/2023	10.27	5246.61	5236.34
MW-31	1/23/2024	9.66	5246.61	5236.95
MW-31	4/23/2024	8.01	5246.61	5238.60
MW-32	12/7/2021	8.90	5251.06	5242.16
MW-32	3/23/2022	7.69	5251.06	5243.37
MW-32	1/24/2023	7.41	5251.06	5243.65
MW-32	4/24/2023	7.43	5251.06	5243.63

Table 6. Historical groundwater elevations.

Well ID	Date of Measurement	Depth to Water (feet below top of casing)	Ground Surface Elevation (feet above TOCa)	Water Table Elevation (feet above MSL)
MW-32	7/12/2023	6.28	5251.06	5244.78
MW-32	10/16/2023	8.32	5251.06	5242.74
MW-32	1/23/2024	8.78	5251.06	5242.28
MW-32	4/23/2024	8.14	5251.06	5242.92
MW-33	12/7/2021	10.08	5257.23	5247.15
MW-33	3/23/2022	9.70	5257.23	5247.53
MW-33	1/26/2023	9.71	5257.23	5247.52
MW-33	4/25/2023	9.54	5257.23	5247.69
MW-33	7/13/2023	8.55	5257.23	5248.68
MW-33	10/17/2023	9.91	5257.23	5247.32
MW-33	1/24/2024	9.76	5257.23	5247.47
MW-33	4/23/2024	8.89	5257.23	5248.34
MW-34	12/7/2021	11.89	5269.36	5257.47
MW-34	3/23/2022	11.44	5269.36	5257.92
MW-34	1/26/2023	11.54	5269.36	5257.82
MW-34	4/25/2023	10.91	5269.36	5258.45
MW-34	7/13/2023	8.89	5269.36	5260.47
MW-34	10/17/2023	11.28	5269.36	5258.08
MW-34	1/24/2024	11.53	5269.36	5257.83
MW-34	4/23/2024	9.78	5269.36	5259.58
MW-35	12/7/2021	10.23	5271.72	5261.49
MW-35	3/23/2022	9.61	5271.72	5262.11
MW-35	3/24/2022	9.51	5271.72	5262.21
MW-35	1/26/2023	9.62	5271.72	5262.10

Table 7. Historical groundwater parameters.

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-01	12/6/2021	15.35	7.18	1,303	1.22	-55.9
MW-01	3/22/2022	15.4	7.00	5,308	1.30	-1.9
MW-01	1/23/2023	16.5	7.64	3,590	2.80	-71.0
MW-01	4/24/2023	17.6	7.73	3,679	5.17	85.0
MW-01	7/13/2023	18.2	7.42	3,740	1.90	136.1
MW-01	10/16/2023	18.3	7.67	20	9.55	26.0
MW-01	1/23/2024	16.6	7.46	4,216	1.77	165.0
MW-01	4/23/2024	16.5	7.81	4,492	7.33	-67.8
MW-02	12/9/2021	17.34	7.23	6,061	1.4	121.0
MW-02	3/28/2022	18.1	7.14	6,529	3.43	147.5
MW-02	1/26/2023	17.4	7.24	6,157	0.54	114.0
MW-02	4/25/2023	17.2	7.12	5,978	0.25	135.9
MW-02	7/13/2023	18.2	7.28	6,269	1.06	53.6
MW-02	10/17/2023	18.2	7.39	6,159	0.80	-46.7
MW-02	1/24/2024	17.0	7.08	6,313	0.35	96.1
MW-02	4/24/2024	17.7	7.19	5,921	0.33	3.2
MW-03	12/8/2021	17.89	7.24	4,609	1.41	189.2
MW-03	3/22/2022	15.4	7.18	5,002	1.88	154.6
MW-03	1/24/2023	16.6	7.32	4,881	0.53	208.4
MW-03	4/24/2023	16.0	7.19	4,956	1.66	83.6
MW-03	7/13/2023	17.0	7.27	4,735	2.23	88.7
MW-03	10/16/2023	18.9	7.52	4,853	0.92	-3.0
MW-03	1/24/2024	16.7	7.15	4,813	1.99	108.1
MW-03	4/23/2024	15.5	7.39	2,048	3.29	12.7
MW-04	12/8/2021	17.35	7.6	1,050	0.8	149.1
MW-04	3/22/2022	14.6	7.17	414.6	3.47	160.7
MW-04	1/24/2023	15.1	7.44	346.0	1.70	205.7
MW-04	4/24/2023	15.3	7.46	918.0	1.68	64.8
MW-04	7/13/2023	16.6	7.57	1483	0.18	12.0
MW-04	10/16/2023	18.5	7.75	1701	1.79	-22.0
MW-04	1/24/2024	16.0	7.33	2364	2.40	63.7
MW-04	4/24/2024	14.8	7.31	2574	2.85	6.8
MW-05	12/9/2021	17.04	6.90	1,442	1.15	-104.8
MW-05	3/28/2022	18.9	7.92	2,274	5.02	-99.0
MW-05	2/20/2023	--	--	--	--	--
MW-05	4/24/2023	17.5	6.69	16,675	0.45	-4.6
MW-05	7/13/2023	18.7	6.85	7,999	1.58	-103.7
MW-05	10/17/2023	17.6	7.36	3,804	5.77	-2.0
MW-05	1/23/2024	17.0	6.88	7,344	4.47	108.0
MW-05	4/23/2024	16.2	7.28	6,410	7.26	-69.0
MW-06	2/10/2015	16.7	7.34	5,620	0.56	54
MW-06	10/7/2015	18.7	7.53	5,684	0.17	53
MW-06	5/4/2016	17.8	8.34	5,676	0.46	73
MW-06	10/13/2016	18.2	6.91	5,730	0.12	116

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-06	4/11/2017	17.6	7.18	5,890	0.18	143
MW-06	10/25/2017	18.7	7.25	5,710	0.14	137
MW-06	5/24/2018	17.3	7.28	5,544	1.00	-8
MW-06	10/12/2018	17.7	7.23	5,273	2.40	142
MW-06	4/4/2019	17.4	7.29	5,550	1.80	124
MW-06	10/8/2019	18.9	7.28	5,929	1.70	18
MW-06	4/6/2020	17.3	7.25	5,448	1.00	-12
MW-06	10/21/2020	18.7	7.53	5,273	2.40	65
MW-06	12/13/2021	18.0	7.29	5,847	1.30	144.9
MW-06	3/28/2022	17.7	7.15	5,817	2.09	51.6
MW-06	1/26/2023	17.6	7.31	5,481	0.64	142.0
MW-06	4/25/2023	16.6	7.21	5,653	0.31	135.2
MW-06	7/13/2023	17.9	7.34	5,384	0.56	62.9
MW-06	10/17/2023	18.1	7.66	5,563	0.32	-56.2
MW-06	1/24/2024	17.3	1.17	5,480	0.16	105.2
MW-06	4/24/2024	17.0	7.32	5,203	0.16	132.0
MW-08	12/6/2021	12.78	7.4	5,502	2.36	97.5
MW-08	3/22/2022	14.6	7.18	5,208	1.16	109.9
MW-08	1/24/2023	15.5	7.33	4,861	0.46	193.8
MW-08	4/24/2023	15.4	7.23	5,427	0.14	85.9
MW-08	7/12/2023	16.0	7.25	4,505	0.52	112.4
MW-08	10/16/2023	16.5	7.68	5,389	0.21	-15.5
MW-08	1/23/2024	15.3	7.21	5,143	0.47	90.8
MW-08	4/23/2024	15.1	7.35	4,939	0.68	7.3
MW-09	2/10/2015	15.8	7.35	6,393	2.77	57
MW-09	10/7/2015	19.8	7.17	5,666	0.19	-87
MW-09	5/4/2016	17.1	8.36	5,692	0.63	12
MW-09	10/13/2016	19.7	6.73	4,710	0.35	138
MW-09	4/11/2017	17.4	7.17	5,942	0.72	109
MW-09	10/24/2017	19.4	7.16	5,617	0.17	136
MW-09	5/24/2018	17.1	7.15	5,140	0.17	51
MW-09	10/12/2018	18.8	7.14	5,319	6.90	14
MW-09	4/8/2019	16.5	7.27	5,010	7.50	118
MW-09	10/8/2019	20.4	7.17	4,032	3.40	-10
MW-09	4/6/2020	17.1	6.92	5,650	0.40	42
MW-09	10/21/2020	19.7	6.73	4,710	0.35	46
MW-09	12/9/2021	17.69	7.29	5,872	1.13	65.1
MW-09	3/28/2022	18.10	7.20	5,764	0.06	78.4
MW-09	1/26/2023	15.1	7.32	4,755	3.41	184
MW-09	4/25/2023	15.6	7.08	4,909	0.18	120.7
MW-09	7/13/2023	19.4	7.19	3,488	1.98	46.1
MW-09	10/17/2023	20.2	6.78	2,694	0.15	46.0
MW-09	1/24/2024	15.8	7.03	5,582	1.13	112.7
MW-09	4/24/2024	17.3	7.07	3,481	0.14	-4.3

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-10	12/6/2021	13.48	7.16	8,183	2.80	89.4
MW-10	3/22/2022	14.3	6.77	10,094	2.54	186.4
MW-10	1/23/2023	15.7	6.87	8,536	1.44	-131.8
MW-10	4/24/2023	15.6	6.79	11,367	1.57	117.5
MW-10	7/12/2023	17.3	6.90	10,579	2.26	112.4
MW-10	10/16/2023	18.8	7.25	10,216	0.82	95.6
MW-10	1/23/2024	16.7	6.80	3,788	6.43	126.4
MW-10	4/23/2024	15.5	6.86	10,893	1.75	9.7
MW-11	2/9/2015	18.9	7.87	1,063	0.21	31
MW-11	10/7/2015	20.0	7.66	1,311	0.15	91
MW-11	5/4/2016	16.9	8.59	1,111	0.52	48
MW-11	10/18/2016	20.0	7.61	1,806	0.17	122
MW-11	4/11/2017	17.8	7.54	1,846	0.24	111
MW-11	10/25/2017	19.5	7.57	1,639	0.15	148
MW-11	5/24/2018	17.8	7.56	1,405	1.30	63
MW-11	10/12/2018	19.3	6.52	1,381	2.50	101
MW-11	4/8/2019	17.2	7.55	1,360	2.50	119
MW-11	10/8/2019	19.9	7.45	2,348	1.40	-26
MW-11	4/6/2020	19.7	7.92	1,975	1.70	37
MW-11	10/21/2020	20.0	7.61	1,806	0.17	55
MW-11	12/13/2021	18.74	7.46	2,442	1.27	133.3
MW-11	3/28/2022	17.8	7.21	2,592	0.71	78.7
MW-11	1/26/2023	17.7	7.38	2,115	1.82	128.2
MW-11	4/25/2023	15.5	7.33	1,521	0.19	99.4
MW-11	7/14/2023	18.0	7.34	2,060	3.39	106.8
MW-11	10/17/2023	19.2	7.80	2,233	0.26	-66.1
MW-11	1/24/2024	18.0	7.06	1,870	0.49	109.0
MW-11	4/23/2024	--	--	--	--	--
MW-12R	2/9/2015	17.5	7.92	1,129	0.15	17
MW-12R	10/7/2015	20.7	7.54	1,139	0.24	54
MW-12R	5/4/2016	17.2	8.63	1,572	0.63	60
MW-12R	10/13/2016	19.6	7.21	1,485	0.24	140
MW-12R	4/11/2017	17.8	7.53	1,580	0.28	129
MW-12R	10/24/2017	19.2	7.64	1,330	0.25	141
MW-12R	5/23/2018	17.2	7.81	1,242	2.20	70
MW-12R	10/12/2018	18.4	7.80	1,046	36.5 [g]	103
MW-12R	4/8/2019	16.7	7.96	1,140	2.00	105
MW-12R	10/8/2019	18.7	7.90	1,190	1.30	-54
MW-12R	4/6/2020	17.8	7.75	1,380	1.80	27
MW-12R	10/21/2020	19.6	7.21	1,485	0.24	50
MW-12R	12/13/2021	17.58	7.96	1,169	0.93	109.9
MW-12R	3/28/2022	16.7	7.71	1,020	1.65	89.6
MW-12R	1/26/2023	16.9	8.16	1,004	1.47	131.0
MW-12R	4/25/2023	15.7	7.94	1,036	0.08	103.6

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-12R	7/13/2023	16.7	8.05	1,047	1.48	48.0
MW-12R	10/17/2023	18.0	8.57	907	0.25	-1.5
MW-12R	1/24/2024	16.1	8.17	828	0.47	71.2
MW-12R	4/24/2024	15.4	8.24	797	0.31	2.7
MW-13	3/21/2012	16.2	7.08	7,094	0.29	203
MW-13	6/14/2012	18.5	6.97	6,668	0.25	89
MW-13	9/13/2012	17.5	6.79	6,779	0.27	123
MW-13	12/13/2012	17.0	6.92	6,857	0.32	172
MW-13	3/20/2013	16.8	6.92	6,896	0.29	137
MW-13	10/24/2013	17.5	7.26	4,498	0.43	90
MW-13	4/21/2014	16.3	7.13	7,070	0.46	97
MW-13	10/20/2014	17.4	7.50	6,500	0.50	-99
MW-13	2/10/2015	17.0	7.34	6,717	0.76	-116
MW-13	10/7/2015	19.4	7.08	7,230	0.30	75
MW-13	4/14/2016	17.4	7.27	7,201	1.01	122
MW-13	10/13/2016	18.3	6.80	6,561	0.25	142
MW-13	4/12/2017	18.2	7.13	6,697	0.32	144
MW-13	10/25/2017	18.4	7.12	6,593	0.21	121
MW-13	5/24/2018	17.3	7.12	5,769	1.30	68
MW-13	10/12/2018	17.2	6.62	6,374	13.0	92
MW-13	4/8/2019	16.7	7.21	6,450	1.90	87
MW-13	10/8/2019	18.0	7.21	6,549	3.40	-60
MW-13	4/6/2020	17.5	7.04	5,980	0.98	47
MW-13	10/21/2020	17.4	7.50	6,500	0.50	83
MW-13	7/22/2021	18.1	7.21	6,494	2.00	117
MW-13	8/23/2021	17.8	7.15	6,686	1.78	113
MW-13	10/7/2021	16.8	7.29	6,617	2.49	193
MW-13	12/8/2021	16.16	7.26	6,683	1.50	166.5
MW-13	3/25/2022	17.30	7.12	6,871	1.71	80.5
MW-13	1/26/2023	16.8	7.24	6,374	1.23	78.0
MW-13	4/25/2023	16.4	7.14	6,539	0.10	410.0
MW-13	7/14/2023	17.3	7.28	6,381	1.19	156.2
MW-13	10/17/2023	17.8	7.62	6,485	0.16	-52.3
MW-13	1/24/2024	16.8	6.94	6,520	0.24	123.0
MW-13	4/24/2024	16.9	7.24	6,218	0.41	130.0
MW-14	3/21/2012	16.1	6.95	769	0.47	125
MW-14	6/14/2012	19.3	6.82	2,725	0.13	-139
MW-14	9/13/2012	17.2	6.80	5,781	0.19	79
MW-14	12/13/2012	17.0	7.18	2,263	0.30	-16
MW-14	3/20/2013	16.6	6.67	1,109	0.34	112
MW-14	10/24/2013	16.9	7.10	3,670	0.36	90
MW-14	4/21/2014	16.1	7.13	5,700	0.41	104
MW-14	10/20/2014	16.9	7.48	6,270	0.87	-98
MW-14	2/11/2015	16.7	7.17	4,965	0.65	28

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-14	10/7/2015	18.9	6.94	6,726	0.11	82
MW-14	4/14/2016	17.0	6.90	1,883	1.03	129
MW-14	10/13/2016	18.9	6.45	4,835	0.24	147
MW-14	4/12/2017	18.8	6.92	825	0.37	139
MW-14	10/25/2017	18.2	7.04	6,092	0.15	119
MW-14	5/24/2018	16.9	7.11	5,788	1.20	84
MW-14	10/12/2018	16.6	6.92	5,630	3.10	75
MW-14	4/8/2019	16.3	7.16	4,940	7.90	147
MW-14	10/8/2019	17.3	7.16	5,191	1.40	-68
MW-14	4/6/2020	17.0	7.12	5,240	2.50	50
MW-14	10/20/2020	16.9	7.48	6,270	0.87	48
MW-14	7/22/2021	18.8	7.01	6,228	2.87	239
MW-14	8/23/2021	17.1	7.21	5,946	3.17	83.1
MW-14	10/7/2021	16.8	7.17	6,034	3.44	174.2
MW-14	12/8/2021	15.66	7.20	6,640	1.06	166.8
MW-14	3/28/2022	16.0	6.98	4,941	2.75	192.9
MW-14	1/26/2023	16.2	7.08	4,466	1.12	133.1
MW-14	4/25/2023	15.9	7.03	5,223	0.06	131.0
MW-14	7/13/2023	17.0	7.18	6,469	0.03	82.2
MW-14	10/17/2023	17.1	6.84	6,630	0.13	-17.0
MW-14	1/24/2024	16.4	6.79	6,097	0.24	118.0
MW-14	4/24/2024	16.3	7.21	6,466	0.12	124.0
MW-15	3/21/2012	17.1	7.19	6,130	0.49	118
MW-15	6/14/2012	19.6	6.90	5,954	0.30	257
MW-15	9/13/2012	18.7	6.86	5,893	0.16	90
MW-15	12/13/2012	16.9	7.06	5,913	0.12	2
MW-15	3/20/2013	15.4	7.07	5,628	0.39	172
MW-15	10/24/2013	16.4	7.17	3,989	0.39	87
MW-15	4/22/2014	16.2	7.14	6,187	0.80	130
MW-15	10/20/2014	17.2	7.49	5,723	0.38	-126
MW-15	2/11/2015	16.8	7.15	5,589	0.70	31
MW-15	10/7/2015	18.4	7.06	6,237	0.10	90
MW-15	4/14/2016	16.8	7.02	5,790	1.01	124
MW-15	10/13/2016	17.3	6.80	5,748	0.16	154
MW-15	4/12/2017	17.8	7.11	5,979	0.32	146
MW-15	10/25/2017	18.0	7.12	5,889	0.17	134
MW-15	5/23/2018	16.9	7.18	5,925	1.10	107
MW-15	10/11/2018	16.2	7.06	5,809	1.80	101
MW-15	4/8/2019	17.0	7.16	5,900	29.4[g]	147
MW-15	10/8/2019	17.3	7.17	5,875	1.20	-63
MW-15	4/7/2020	17.1	6.90	5,790	1.40	75
MW-15	10/21/2020	16.4	7.17	3,989	0.39	94
MW-15	7/22/2021	17.8	7.13	5,609	2.15	155
MW-15	8/23/2021	16.9	7.06	5,215	2.58	17.1

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-15	10/7/2021	16.6	7.20	5,460	2.50	139.3
MW-15	12/8/2021	15.70	7.20	5,873	1.10	132.4
MW-15	3/28/2022	16.5	7.02	5,049	0.96	44.1
MW-15	1/26/2023	16.3	7.04	5,133	0.82	31.0
MW-15	4/25/2023	16.1	7.06	5,996	0.06	136.0
MW-15	7/13/2023	17.2	7.20	5,950	0.19	50.0
MW-15	10/17/2023	16.9	6.94	6,041	0.15	29.0
MW-15	1/24/2024	16.5	6.88	5,489	0.20	123.0
MW-15	4/24/2024	16.5	7.19	5,751	1.33	104.0
MW-16	12/8/2021	16.00	7.25	2,404	1.09	0.6
MW-16	3/22/2022	14.5	6.80	1,402	1.05	161.8
MW-16	1/24/2023	15.4	7.22	4,586	0.61	196.2
MW-16	4/25/2023	15.4	6.98	4,961	0.53	132.2
MW-16	7/13/2023	16.2	6.96	4,811	0.87	94.5
MW-16	10/17/2023	16.5	7.19	4,572	0.41	50.1
MW-16	1/24/2024	16.2	6.80	5,374	0.34	117.0
MW-16	4/24/2024	15.6	6.96	5,018	6.74	13.7
MW-17	12/9/2021	17.41	7.33	3,384	1.86	49.5
MW-17	3/28/2022	17.0	7.19	3,325	2.99	71.1
MW-17	1/23/2023	17.1	7.39	2,945	2.37	232.3
MW-17	4/24/2023	16.0	7.33	3,194	4.33	84.0
MW-17	7/12/2023	17.8	7.35	3,180	4.07	113.0
MW-17	10/16/2023	18.1	7.75	2,943	1.98	43.5
MW-17	1/23/2024	16.9	7.35	2,764	3.05	114.8
MW-17	4/23/2024	15.7	7.45	2,942	3.60	11.0
MW-18	3/19/2013	17.3	6.54	3,084	0.76	113
MW-18	4/21/2014	16.6	7.01	2,885	0.92	49
MW-18	2/11/2015	16.3	6.99	1,057	0.73	15
MW-18	4/13/2016	17.0	6.86	1,492	1.66	133
MW-18	4/12/2017	18.8	6.91	3,479	0.60	149
MW-18	5/23/2018	17.1	7.07	3,391	2.10	43
MW-18	10/11/2018	16.6	6.91	4,417	3.40	85
MW-18	4/8/2019	16.1	7.02	4,800	11.0	132
MW-18	10/8/2019	17.4	7.01	4,664	5.30	-45
MW-18	4/7/2020	17.9	7.05	4,240	2.90	95
MW-18	10/20/2020	16.6	7.01	2,885	0.92	33
MW-18	4/24/2023	--	--	--	--	--
MW-18	7/12/2023	--	--	--	--	--
MW-18	10/16/2023	--	--	--	--	--
MW-18	1/23/2024	--	--	--	--	--
MW-18	4/23/2024	--	--	--	--	--
MW-19	3/19/2013	14.8	6.94	6,953	0.79	185
MW-19	4/22/2014	13.9	7.04	6,942	2.57	85
MW-19	2/10/2015	16.5	7.22	6,985	0.90	-19

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-19	4/12/2017	14.7	7.10	6,794	0.89	220
MW-19	5/23/2018	15.1	7.15	6,909	2.50	127
MW-19	10/11/2018	16.2	7.16	6,844	3.50	269
MW-19	4/5/2019	14.6	7.14	6,490	7.40	218
MW-19	10/7/2019	16.7	7.18	5,550	2.10	-82
MW-19	4/7/2020	16.9	7.20	5,550	2.30	112
MW-19	10/20/2020	16.5	7.22	6,985	0.90	-75
MW-19	4/24/2023	--	--	--	--	--
MW-19	7/12/2023	--	--	--	--	--
MW-19	10/16/2023	--	--	--	--	--
MW-19	1/23/2024	--	--	--	--	--
MW-19	4/23/2024	--	--	--	--	--
MW-20	3/19/2013	17.3	7.15	6,998	0.97	154
MW-20	4/21/2014	16.7	7.22	7,012	2.22	62
MW-20	2/11/2015	16.5	7.38	6,607	1.70	18
MW-20	4/13/2016	17.1	7.51	7,004	2.65	119
MW-20	4/12/2017	17.3	7.27	6,576	3.22	168
MW-20	5/23/2018	17.5	7.29	6,516	2.20	142
MW-20	4/5/2019	17.0	7.29	6,530	30.1 [g]	189
MW-20	10/7/2019	18.9	7.30	6,563	1.50	-55
MW-20	4/7/2020	17.5	7.40	6,250	1.70	72
MW-20	10/21/2020	17.3	7.27	6,576	3.25	107
MW-20	4/24/2023	--	--	--	--	--
MW-20	7/12/2023	--	--	--	--	--
MW-20	10/16/2023	--	--	--	--	--
MW-20	1/23/2024	--	--	--	--	--
MW-20	4/23/2024	--	--	--	--	--
MW-21	3/19/2013	13.4	6.79	6,590	1.40	216
MW-21	4/22/2014	14.9	7.04	6,629	1.00	94
MW-21	2/10/2015	15.8	7.08	6,389	0.78	17
MW-21	4/13/2016	14.6	7.15	6,934	1.56	147
MW-21	4/12/2017	15.1	7.00	6,447	1.70	190
MW-21	5/10/2017	13.7	6.70	6,186	2.10	161
MW-21	5/22/2018	16.4	7.39	6,307	3.20	184
MW-21	10/11/2018	16.9	7.04	6,324	2.90	156
MW-21	4/4/2019	14.1	7.05	6,210	10.4	189
MW-21	10/7/2019	18.2	7.07	6,239	7.60	-51
MW-21	4/7/2020	16.3	7.01	6,180	1.20	79
MW-21	12/7/2021	17.55	7.08	6,259	0.97	127.0
MW-21	3/23/2022	14.6	6.91	6,349	1.04	78.5
MW-21	1/24/2023	13.8	7.14	5,965	0.47	89.4
MW-21	4/24/2023	13.8	7.11	6,248	2.23	67.5
MW-21	7/12/2023	16.1	7.12	6,171	2.26	37.3
MW-21	10/16/2023	17.3	7.47	6,177	0.15	-3.3

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-21	1/23/2024	14.7	7.00	6,125	2.17	-29.1
MW-21	4/23/2024	14.3	7.17	5,937	0.14	3.6
MW-22	4/8/2019	16.6	7.41	4,120	8.70	98
MW-22	10/7/2019	16.9	7.32	4,262	15.2 [g]	-50
MW-22	4/7/2020	16.4	7.35	4,190	9.60	84
MW-22	10/20/2020	17.1	7.82	4,890	10.1	86
MW-22	12/13/2021	15.02	7.49	4,597	3.06	129.4
MW-22	3/25/2022	15.7	7.22	4,632	3.71	139.8
MW-22	1/24/2023	14.7	7.42	4,264	4.18	222.2
MW-22	4/24/2023	15.6	7.29	4,414	3.46	79.5
MW-22	7/12/2023	15.8	7.41	4,264	6.81	137.1
MW-22	10/16/2023	16.4	7.73	4,461	4.50	32.8
MW-22	1/23/2024	15.2	7.29	4,580	2.37	94.1
MW-22	4/23/2024	14.9	7.38	4,623	4.32	12.5
MW-22D 30-35'	12/13/2021	18.1	7.23	6,439	1.81	51.0
MW-22D 30-35'	3/25/2022	16.7	7.11	6,689	2.58	231.3
MW-22D 30-35'	1/27/2023	16.8	7.25	6,571	2.37	365.0
MW-22D 30-35'	4/25/2023	17.5	7.03	6,686	2.13	172.0
MW-22D 30-35'	7/12/2023	18.3	7.51	3,206	4.11	140.3
MW-22D 30-35'	10/17/2023	17.4	7.21	6,618	2.11	33.8
MW-22D 30-35'	1/24/2024	16.9	6.89	6,649	1.72	131.0
MW-22D 30-35'	4/24/2024	16.8	7.18	6,279	2.22	134.0
MW-22D 35-40'	12/13/2021	16.7	7.33	6,088	1.90	30.3
MW-22D 35-40'	3/25/2022	16.5	7.08	6,065	0.95	209.4
MW-22D 35-40'	1/24/2023	16.3	7.11	6,082	1.62	122.8
MW-22D 35-40'	4/25/2023	17.4	6.99	6,070	1.87	48.0
MW-22D 35-40'	7/12/2023	17.6	7.16	5,728	3.04	115.1
MW-22D 35-40'	10/17/2023	17.5	7.64	3,295	6.56	15.0
MW-22D 35-40'	1/24/2024	17.0	6.94	5,739	1.85	127.0
MW-22D 35-40'	4/24/2024	16.7	7.32	5,484	3.56	133.0
MW-22D 41-46'	12/13/2021	16.0	7.24	6,848	2.34	53.1
MW-22D 41-46'	3/24/2022	17.6	6.87	6,933	2.24	158.0
MW-22D 41-46'	1/27/2023	16.0	7.15	4,671	2.67	224.0
MW-22D 41-46'	4/25/2023	17.3	6.83	6,792	0.94	-13.0
MW-22D 41-46'	7/12/2023	18.3	6.92	6,689	2.78	127.1
MW-22D 41-46'	10/17/2023	17.3	6.97	6,784	1.40	36.0
MW-22D 41-46'	1/24/2024	16.3	6.76	6,731	1.12	126.0
MW-22D 41-46'	4/23/2024	--	--	--	--	--
MW-22D 48-53'	12/13/2021	16.6	7.16	7,033	1.77	101.6
MW-22D 48-53'	3/25/2022	16.5	6.87	7,055	2.59	211.0
MW-22D 48-53'	1/24/2023	15.9	7.04	6,979	2.18	206.0
MW-22D 48-53'	4/25/2023	17.9	6.89	7,056	2.38	141.0
MW-22D 48-53'	7/12/2023	18.1	7.10	6,985	3.92	86.1
MW-22D 48-53'	10/17/2023	16.9	6.89	7,012	2.49	25.0

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-22D 48-53'	1/24/2024	16.3	6.74	6,991	2.23	135.0
MW-22D 48-53'	4/23/2024	--	--	--	--	--
MW-22D 55-60'	12/13/2021	16.4	7.14	6,971	1.13	82.7
MW-22D 55-60'	3/24/2022	16.9	6.75	7,259	0.76	178.1
MW-22D 55-60'	1/27/2023	16.0	7.05	7,023	6.23	235.2
MW-22D 55-60'	4/25/2023	17.4	6.36	7,050	1.43	173.0
MW-22D 55-60'	7/12/2023	18.3	6.92	7,004	1.51	110.3
MW-22D 55-60'	10/17/2023	17.8	7.04	7,135	3.74	22.6
MW-22D 55-60'	1/24/2024	16.7	6.71	6,971	1.26	130.3
MW-22D 55-60'	4/24/2024	16.7	7.05	6,732	3.00	158.2
MW-22D 72.5-75'	4/24/2023	--	--	--	--	--
MW-22D 72.5-75'	7/12/2023	--	--	--	--	--
MW-22D 72.5-75'	10/16/2023	--	--	--	--	--
MW-22D 72.5-75'	1/23/2024	--	--	--	--	--
MW-22D 72.5-75'	4/23/2024	--	--	--	--	--
MW-23	5/23/2018	17.9	7.53	6,894	2.70	163
MW-23	10/11/2018	17.7	6.98	6,447	4.20	118
MW-23	4/5/2019	17.5	7.31	6,700	3.80	144
MW-23	10/8/2019	18.2	7.37	6,684	5.60	-71
MW-23	4/7/2020	17.9	7.28	6,900	4.10	90
MW-23	10/21/2020	16.9	6.34	5,980	3.75	83
MW-23	7/22/2021	17.7	7.32	6,780	1.16	174
MW-23	8/23/2021	17.6	7.25	6,861	1.62	74.5
MW-23	10/7/2021	17.6	7.33	6,768	1.25	170.3
MW-23	12/8/2021	17.71	7.00	6,711	1.78	210.6
MW-23	3/25/2022	17.5	6.99	6,822	1.22	146.8
MW-23	1/24/2023	17.1	7.06	6,446	0.41	224.0
MW-23	4/24/2023	17.1	6.89	6,733	0.55	101.7
MW-23	7/12/2023	18.1	7.16	6,621	1.41	-7.8
MW-23	10/16/2023	18.2	7.32	6,625	0.39	-10.6
MW-23	1/23/2024	17.4	6.88	6,573	1.17	112.6
MW-23	4/23/2024	16.9	6.99	6,332	1.10	10.9
MW-23D 31-33.5'	12/9/2021	14.24	8.45	6,118	2.73	158.8
MW-23D 31-33.5'	3/24/2022	16.9	7.19	7,114	3.56	190.7
MW-23D 31-33.5'	1/24/2023	16.2	7.35	7,113	2.58	217.1
MW-23D 31-33.5'	4/24/2023	17.5	7.16	7,222	2.47	125.0
MW-23D 31-33.5'	7/13/2023	17.1	7.41	7,099	5.10	158.8
MW-23D 31-33.5'	10/16/2023	16.9	7.20	3,939	2.83	50.1
MW-23D 31-33.5'	1/23/2024	16.3	7.05	7,196	2.03	86.0
MW-23D 31-33.5'	4/23/2024	16.3	7.36	6,894	3.90	69.9
MW-23D 47-52'	12/9/2021	14.73	7.70	1,359	0.51	-90.5
MW-23D 47-52'	3/24/2022	16.3	7.49	4,483	0.23	-94.2
MW-23D 47-52'	1/24/2023	15.7	7.64	6,198	3.18	38.6
MW-23D 47-52'	4/24/2023	16.5	7.38	6,796	1.14	-7.0

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-23D 47-52'	7/13/2023	--	--	--	--	--
MW-23D 47-52'	10/16/2023	--	--	--	--	--
MW-23D 47-52'	1/23/2024	16.1	7.3	5371.0	2.0	44.0
MW-23D 47-52'	4/23/2024	16.2	7.6	2279.0	2.7	-12.0
MW-23D 56.5-61.5'	12/9/2021	15.25	7.07	6,730	3.51	99.6
MW-23D 56.5-61.5'	3/24/2022	16.4	6.94	7,225	3.12	147.0
MW-23D 56.5-61.5'	1/24/2023	15.4	7.11	7,038	3.64	-13.3
MW-23D 56.5-61.5'	4/24/2023	17.0	7.03	7,129	2.76	135.0
MW-23D 56.5-61.5'	7/13/2023	17.5	7.10	7,090	3.77	171.2
MW-23D 56.5-61.5'	10/16/2023	13.8	7.93	0.50	9.33	-33.1
MW-23D 56.5-61.5'	1/23/2024	16.8	6.42	7,084	1.58	91.0
MW-23D 56.5-61.5'	4/23/2024	15.9	7.27	6,832	3.41	135.0
MW-23D 64-74'	4/24/2023	--	--	--	--	--
MW-23D 64-74'	7/12/2023	--	--	--	--	--
MW-23D 64-74'	10/16/2023	--	--	--	--	--
MW-23D 64-74'	1/23/2024	--	--	--	--	--
MW-23D 64-74'	4/23/2024	--	--	--	--	--
MW-24	5/23/2018	16.9	7.36	6,900	4.70	142
MW-24	10/11/2018	16.7	6.68	6,693	3.40	196
MW-24	4/5/2019	15.9	7.22	6,610	12.1	229
MW-24	10/7/2019	19.8	7.25	6,672	6.47	-51
MW-24	4/7/2020	18.7	7.15	6,450	2.96	127
MW-24	10/20/2020	15.7	6.91	7,120	1.75	-15
MW-24	4/24/2023	--	--	--	--	--
MW-24	7/12/2023	--	--	--	--	--
MW-24	10/16/2023	--	--	--	--	--
MW-24	1/23/2024	--	--	--	--	--
MW-24	4/23/2024	--	--	--	--	--
MW-25	5/24/2018	14.4	7.23	6,783	2.40	-313
MW-25	10/11/2018	16.8	7.11	6,825	3.20	67
MW-25	4/4/2019	12.8	6.95	6,740	40.5 [g]	213
MW-25	10/7/2019	17.6	7.01	6,210	7.50	-54
MW-25	4/7/2020	17.1	7.09	6,470	1.90	-46
MW-25	10/20/2020	15.8	7.33	7,020	2.30	-84
MW-25	12/7/2021	15.81	6.98	6,601	1.23	139.8
MW-25	3/24/2022	13.5	6.94	6,578	1.64	93.4
MW-25	1/26/2023	14.0	7.05	6,210	0.41	-32.0
MW-25	4/25/2023	13.1	6.96	6,317	0.91	133.2
MW-25	7/13/2023	16.7	7.07	5,779	1.31	-40.9
MW-25	10/17/2023	17.4	7.30	4,559	0.46	-196.7
MW-25	1/24/2024	14.2	6.87	6,110	0.74	75.0
MW-25	4/24/2024	20.1	6.97	5,965	1.30	11.5
MW-26D	7/22/2021	17.5	7.05	7,203	1.53	211
MW-26D	8/23/2021	16.8	7.20	7,243	1.57	171.1

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-26D	10/7/2021	16.0	7.36	7,239	3.46	206.6
MW-26D	12/8/2021	13.57	7.44	7,096	4.00	126.0
MW-26D	3/24/2022	14.5	7.18	7,384	2.79	177.2
MW-26D	1/24/2023	13.7	7.52	7,070	6.44	112.0
MW-26D	4/24/2023	15.3	7.19	7,113	3.34	7113.0
MW-26D	7/13/2023	17.1	7.30	6,210	3.50	130.6
MW-26D	10/16/2023	15.7	7.29	3,845	2.97	50.3
MW-26D	1/23/2024	15.2	7.03	7,022	1.83	34.4
MW-26D	4/23/2024	14.8	7.35	6,813	2.88	127.2
MW-27	12/6/2021	15.27	7.29	7,569	3.33	186.2
MW-27	3/22/2022	15.0	7.09	7,473	2.31	224.4
MW-27	1/24/2023	16.8	7.03	7,350	0.37	180.2
MW-27	4/24/2023	15.9	7.08	8,284	0.27	83.6
MW-27	7/12/2023	18.0	7.05	7,628	1.60	115.0
MW-27	10/16/2023	19.7	7.38	7,408	1.47	134.2
MW-27	1/23/2024	17.1	6.93	7,379	0.62	106.9
MW-27	4/23/2024	15.4	7.05	7,836	0.60	7.1
MW-28	1/24/2023	17.2	7.12	6,087	0.28	187.2
MW-28	4/24/2023	15.9	7.02	6,119	0.07	91.1
MW-28	7/12/2023	18.1	7.11	6,063	1.45	121.3
MW-28	10/16/2023	18.8	7.42	6,229	0.10	-11.0
MW-28	1/23/2024	17.3	6.97	6,010	1.09	106.6
MW-28	4/23/2024	15.8	7.11	5,925	0.12	10.7
MW-29	12/7/2021	17.98	7.13	6,527	1.08	120.9
MW-29	3/23/2022	15.7	6.94	6,526	1.14	163.0
MW-29	2/20/2023	--	--	--	--	--
MW-29	4/25/2023	14.8	7.05	6,341	0.50	134.7
MW-29	7/13/2023	16.8	7.19	3,012	1.34	32.7
MW-29	10/17/2023	19.4	7.43	6,185	0.19	-56.2
MW-29	1/24/2024	16.4	6.95	6,079	1.52	100.4
MW-29	4/24/2024	15.3	7.14	6,308	0.33	17.0
MW-30	12/7/2021	15.26	7.33	6,447	1.39	122.0
MW-30	3/23/2022	14.0	7.15	6,519	0.99	176.2
MW-30	1/26/2023	14.2	7.54	5,905	2.56	281.0
MW-30	4/25/2023	13.9	7.25	6,544	0.55	136.8
MW-30	7/13/2023	15.5	7.35	6,459	1.17	80.9
MW-30	10/17/2023	17.2	7.70	6,424	0.76	-69.4
MW-30	1/24/2024	15.1	7.18	6,335	1.14	107.3
MW-30	4/24/2024	14.5	7.32	6,423	0.40	16.0
MW-31	12/6/2021	12.50	7.10	6,933	1.34	112.7
MW-31	3/23/2022	13.2	6.97	6,374	2.42	163.6
MW-31	1/22/2023	14.5	7.04	7,455	2.45	334.9
MW-31	4/24/2023	13.8	6.94	8,025	1.60	101.9
MW-31	7/13/2023	15.8	7.02	6,731	1.18	98.6

Table 7. Historical groundwater parameters.

Well ID	Date of Sample Collection	Temperature (°C)[a]	pH	Specific Conductance (µS/cm)[b]	Dissolved Oxygen (mg/L)[c]	ORPd (mV)[e]
MW-31	10/17/2023	17.5	7.42	7,237	0.73	41.5
MW-31	1/23/2024	15.3	6.90	7,250	1.49	111.7
MW-31	4/23/2024	14.2	7.02	7,617	1.58	8.6
MW-32	12/7/2021	16.85	7.23	6,251	3.74	119.8
MW-32	3/23/2022	14.4	7.18	6,107	4.24	205.5
MW-32	1/24/2023	14.9	7.29	4,171	0.48	197.9
MW-32	4/24/2023	14.3	7.16	3,582	0.12	61.9
MW-32	7/12/2023	18.1	7.28	3,311	0.88	-190.0
MW-32	10/16/2023	19.6	7.54	4,961	0.54	-26.2
MW-32	1/23/2024	15.7	7.10	5,614	1.56	109.9
MW-32	4/23/2024	14.9	7.21	5,617	0.89	8.1
MW-33	12/7/2021	16.90	7.27	5,315	2.48	122.0
MW-33	3/23/2022	14.0	7.21	5,117	4.35	160.3
MW-33	1/26/2023	14.9	7.35	4,300	2.90	283.0
MW-33	4/25/2023	13.7	7.27	4,485	2.94	126.1
MW-33	7/13/2023	16.2	7.31	6,448	0.18	72.3
MW-33	10/17/2023	19.0	7.61	5,215	1.80	57.8
MW-33	1/24/2024	15.6	7.13	5,533	1.02	102.7
MW-33	4/23/2024	15.1	7.38	6,464	0.65	9.2
MW-34	12/7/2021	16.61	7.02	5,399	1.11	88.0
MW-34	3/23/2022	15.1	6.82	5,514	1.11	171.3
MW-34	1/26/2023	12.2	7.09	4,955	0.29	299.0
MW-34	4/25/2023	14.5	6.95	4,936	0.11	131.1
MW-34	7/13/2023	16.4	7.05	4,683	1.08	55.4
MW-34	10/17/2023	17.0	7.38	4,942	0.34	42.3
MW-34	1/24/2024	15.7	6.89	4,959	1.19	107.7
MW-34	4/23/2024	15.0	6.98	4,973	0.21	8.7
MW-35	12/7/2021	16.78	7.09	5,672	1.67	100.1
MW-35	3/23/2022	15.1	6.90	5,421	1.70	143.8
MW-35	1/26/2023	14.9	7.12	5,243	3.04	115.3
MW-35	4/25/2023	14.5	7.01	5,359	1.93	130.5
MW-35	7/13/2023	16.8	7.18	3,954	5.18	82.7
MW-35	10/17/2023	18.9	7.45	3,173	2.61	14.3
MW-35	1/24/2024	15.7	6.87	5,046	3.50	123.6
MW-35	4/24/2024	14.8	7.10	3,973	4.42	20.2

[a] °C = degrees Celsius

[b] µS/cm = microsiemens per centimeter

[c] mg/L = milligrams per liter

[d] ORP = oxidation-reduction potential

[e] mV = millivolts

[f] a dash (--) indicates that a parameter was not measured

[g] Values with DO concentrations above 15 mg/L are highlighted and are not believed to be representative.

Table 8. Historical groundwater sample results.

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17[n]*	*5[n]*	*70[n]*	*140[n]*	*7[n]*	*2[n]*	*250[o]*
		Sample Date							
MW-01	Freedom	3/21/2006	ND	ND	ND	NR	NR	NR	--
MW-01	Freedom	6/28/2006	ND	ND	ND	NR	NR	NR	--
MW-01	Freedom	10/12/2006	ND	ND	ND	NR	NR	NR	--
MW-01	Freedom	1/20/2007	ND	ND	ND	NR	NR	NR	--
MW-01	Freedom	4/20/2007	ND	ND	ND	NR	NR	NR	--
MW-01	Freedom	7/17/2007	ND	ND	ND	NR	NR	NR	--
MW-01	Freedom	6/13/2008	ND	ND	ND	NR	NR	NR	--
MW-01	Freedom	10/3/2008	ND	ND	ND	NR	NR	NR	--
MW-01	LTE[d]	3/31/2009	5.8[j]	<1.0l	<1.0	<1.0	<1.0	<2.0	--
MW-01	LTE	6/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-01	LTE	10/14/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-01	LTE	12/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-01	LTE	3/31/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-01	Quantum	12/6/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-01	Quantum	3/23/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-01	ERO	01/23/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-01	ERO	4/25/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-01	ERO	7/14/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-01	ERO	10/16/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-01	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-01	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-02	Freedom	10/15/2005	**68k**	ND	ND	NR	NR	NR	--
MW-02	Freedom	3/22/2006	**48**	ND	ND	NR	NR	NR	--
MW-02	Freedom	6/28/2006	**86**	ND	ND	NR	NR	NR	--
MW-02	Freedom	10/12/2006	**280**	**6.0**	ND	NR	NR	NR	--
MW-02	Freedom	1/20/2007	**160**	ND	ND	NR	NR	NR	--
MW-02	Freedom	4/20/2007	**96**	ND	ND	NR	NR	NR	--
MW-02	Freedom	7/17/2007	**310**	ND	ND	NR	NR	NR	--
MW-02	Freedom	6/13/2008	**180**	ND	ND	NR	NR	NR	--
MW-02	Freedom	10/3/2008	**468**	ND	ND	NR	NR	NR	--
MW-02	LTE	3/30/2009	**380**	1.1	<1.0	<1.0	<1.0	<2.0	--
MW-02	LTE	6/30/2009	**1,700**	4.0	6.2	<1.0	<1.0	<2.0	--
MW-02	LTE	10/14/2009	**2,000**	3.9	6.7	<1.0	<1.0	<1.0	--
MW-02	LTE	12/15/2009	**1,100**	2.4	3.2	<1.0	<1.0	<1.0	--
MW-02	LTE	3/31/2010	**1,800**	**5.3**	8.8	<1.0	<1.0	<1.0	--
MW-02	LTE	2/10/2015	**1,650**	3.1	4.5	<1.0	<1.0	<1.0	--
MW-02	LTE	9/6/2016	**466**	<5.0	<5.0	<5.0	<5.0	<5.0	--
MW-02	Quantum	12/9/2021	**1,700**	3.9	4.7	<1.0	<1.0	<1.0	--
MW-02	Quantum	3/28/2022	**1,000**	2.0	<1.0	<1.0	<1.0	<1.0	--
MW-02	ERO	01/26/2023	**890**	4.5	4.7	<1.00	<1.00	<1.00	--
MW-02	ERO	4/25/2023	**549**	2.81	3.2	<1.00	<1.00	<1.00	--
MW-02	ERO	7/13/2023	**391**	<20.0	<20.0	<20.0	<20.0	<20.0	--
MW-02	ERO	10/17/2023	**349**	<20.0	<20.0	<20.0	<20.0	<20.0	--
MW-02	ERO	1/24/2024	**789**	3.75 J	3.93 J	<5.00	<5.00	<5.00	--
MW-02	ERO	4/24/2024	**752**	3.51 J	3.25 J	<5.00	<5.00	<5.00	--
MW-03	Freedom	10/15/2005	ND	ND	ND	NR	NR	NR	--
MW-03	Freedom	3/21/2006	ND	ND	ND	NR	NR	NR	--
MW-03	Freedom	6/28/2006	ND	ND	ND	NR	NR	NR	--
MW-03	Freedom	10/12/2006	ND	ND	ND	NR	NR	NR	--
MW-03	Freedom	1/20/2007	ND	ND	ND	NR	NR	NR	--
MW-03	Freedom	4/20/2007	ND	ND	ND	NR	NR	NR	--
MW-03	Freedom	7/17/2007	ND	ND	ND	NR	NR	NR	--
MW-03	Freedom	6/13/2008	ND	ND	ND	NR	NR	NR	--
MW-03	Freedom	10/3/2008	3.6	ND	ND	NR	NR	NR	--
MW-03	LTE	3/31/2009	4.2	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-03	LTE	6/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-03	LTE	12/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-03	Quantum	12/8/2021	**21**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-03	Quantum	3/22/2022	8.5	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-03	ERO	01/24/2023	16.0	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-03	ERO	4/24/2023	13.5	<1.00	<1.00	<1.00	<1.00	<1.00	--

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17 [n]*	*5 [n]*	*70 [n]*	*140 [n]*	*7 [n]*	*2 [n]*	*250 [o]*
		Sample Date							
MW-03	ERO	7/13/2023	**17.7**	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-03	ERO	10/16/2023	**18.2**	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-03	ERO	1/24/2024	12.8	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-03	ERO	4/23/2024	**28**	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-04	Freedom	10/15/2005	11	ND	ND	NR	NR	NR	--
MW-04	Freedom	3/21/2006	12	ND	ND	NR	NR	NR	--
MW-04	Freedom	6/28/2006	5.9	ND	ND	NR	NR	NR	--
MW-04	Freedom	10/12/2006	**45**	ND	ND	NR	NR	NR	--
MW-04	Freedom	1/20/2007	**43**	ND	ND	NR	NR	NR	--
MW-04	Freedom	4/20/2007	**35**	1.4	ND	NR	NR	NR	--
MW-04	Freedom	7/17/2007	**160**	5	ND	NR	NR	NR	--
MW-04	Freedom	6/13/2008	**17**	ND	ND	NR	NR	NR	--
MW-04	Freedom	10/3/2008	**179**	**5.8**	ND	NR	NR	NR	--
MW-04	LTE	3/31/2009	**32**	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-04	LTE	6/30/2009	16	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-04	LTE	10/14/2009	**20**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-04	LTE	12/15/2009	**24**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-04	LTE	3/31/2010	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-04	Quantum	12/8/2021	**61**	2.2	<1.0	<1.0	<1.0	<1.0	--
MW-04	Quantum	3/22/2022	**28**	**5.1**	<1.0	<1.0	<1.0	<1.0	--
MW-04	ERO	01/24/2023	**31**	2.5	0.293 J	<1.00	<1.00	<1.00	--
MW-04	ERO	4/24/2023	**29**	2.08	0.144 J	<1.00	<1.00	<1.00	--
MW-04	ERO	7/13/2023	**42.5**	2.15	<1.00	<1.00	<1.00	<1.00	--
MW-04	ERO	10/16/2023	**67.8**	2.74	<1.00	<1.00	<1.00	<1.00	--
MW-04	ERO	1/24/2024	**85.9**	2.8	<1.00	<1.00	<1.00	<1.00	--
MW-04	ERO	4/24/2024	**98.4**	2.48	<1.00	<1.00	<1.00	<1.00	--
MW-05	Freedom	10/15/2005	ND	ND	ND	NR	NR	NR	--
MW-05	Freedom	3/22/2006	ND	ND	ND	NR	NR	NR	--
MW-05	Freedom	6/28/2006	ND	ND	ND	NR	NR	NR	--
MW-05	Freedom	10/12/2006	ND	ND	ND	NR	NR	NR	--
MW-05	Freedom	1/20/2007	ND	ND	ND	NR	NR	NR	--
MW-05	Freedom	4/20/2007	ND	ND	ND	NR	NR	NR	--
MW-05	Freedom	7/17/2007	ND	ND	ND	NR	NR	NR	--
MW-05	Freedom	6/13/2008	ND	ND	ND	NR	NR	NR	--
MW-05	Freedom	10/3/2008	ND	ND	ND	NR	NR	NR	--
MW-05	LTE	3/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-05	LTE	6/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-05	LTE	12/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-05	LTE	2/10/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-05	Quantum	12/9/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-05	Quantum	3/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-05	ERO	2/20/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	
MW-05	ERO	4/24/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-05	ERO	7/14/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-05	ERO	10/17/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-05	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-05	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-06	Freedom	10/15/2005	**3,900**	**40**	**96**	NR	NR	NR	--
MW-06	Freedom	3/22/2006	**5,100**	**29**	**97**	NR	NR	NR	--
MW-06	Freedom	6/28/2006	**6,700**	**39**	**88**	NR	NR	NR	--
MW-06	Freedom	10/12/2006	**16,000**	**78**	**200**	NR	NR	NR	--
MW-06	Freedom	1/20/2007	**15,000**	**68**	**150**	NR	NR	NR	--
MW-06	Freedom	2/21/2007	**14,814**	**57**	**79**	<100	<100	<100	--
MW-06	Freedom	2/28/2007	**32**	<10	6.7	<10	<10	<10	--
MW-06	Freedom	3/8/2007	4.4	<1.0	1.9	<1.0	<1.0	<1.0	--
MW-06	Freedom	3/26/2007	**66**	1.5	3.5	<1.0	<1.0	<1.0	--
MW-06	Freedom	4/9/2007	**37**	0.8	2.4	<1.0	<1.0	<1.0	--
MW-06	Freedom	4/20/2007	**190**	3.3	ND	NR	NR	NR	--
MW-06	Freedom	7/17/2007	**3,000**	**22**	38	NR	NR	NR	--
MW-06	Freedom	6/13/2008	**3,600**	**15**	39	NR	NR	NR	--
MW-06	Freedom	8/15/2008	**3,773**	**13**	35	<0.5	<0.5	<0.5	--

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17[n]*	*5[n]*	*70[n]*	*140[n]*	*7[n]*	*2[n]*	*250[o]*
		Sample Date							
MW-06	Freedom	10/3/2008	**15,800**	**110**	**279**	NR	NR	NR	--
MW-06	LTE	3/30/2009	**2,600**	**13**	38	1.8	<1.0	<2.0	--
MW-06	LTE	6/30/2009	**2,300**	**13**	45	<1.0	<1.0	<2.0	--
MW-06	LTE	10/14/2009	**19,000**	**59**	**160**	<1.0	<1.0	<1.0	--
MW-06	LTE	12/15/2009	**2,300**	**15**	62	<1.0	<1.0	<1.0	--
MW-06	LTE	3/31/2010	**4,000**	**29**	**91**	<1.0	<1.0	<1.0	--
MW-06	LTE	3/21/2013	**5,750**	<10	**139**	<10	<10	<10	--
MW-06	LTE	2/10/2015	**2,530**	**13**	35	<1.0	<1.0	<1.0	--
MW-06	LTE	10/7/2015	**1,640**	**12**	35	<1.0	<1.0	<1.0	--
MW-06	LTE	5/4/2016	**2,160**	**24**	59	<1.0	<1.0	<1.0	--
MW-06	LTE	10/13/2016	**2,060**	**40**	**789**	<1.0	<1.0	<1.0	--
MW-06	LTE	4/11/2017	**4,190**	**62**	**93**	<1.0	<1.0	<1.0	--
MW-06	LTE	10/25/2017	**5,020**	**58**	**108**	<1.0	1.1	**13**	--
MW-06	LTE	5/24/2018	**3,890**	**50**	**96**	<1.0	1.7	**5.2**	--
MW-06	R3e	10/12/2018	**6,300**	**59**	**100**	<1.0	<1.0	**11**	--
MW-06	RETTEWf	2/28/2019	**3,580**	**54**	85.5	<1.00	1.26	**4.03**	--
MW-06	R3	4/8/2019	**5,100**	**44**	<1.0	<1.0	<1.0	<1.0	--
MW-06	R3	10/8/2019	**4,600**	**38**	61	<1.0	<1.0	<1.0	--
MW-06	R3	4/6/2020	**4,300**	**35**	64	<1.0	<1.0	<1.0	--
MW-06	R3	10/21/2020	**3,000**	**28**	57	<1.0	<1.0	**4.1**	--
MW-06	Quantum	12/13/2021	**2,800**	**28**	62	<1.0	<1.0	**23**	--
MW-06	Quantum	3/28/2022	**5,200**	**20**	26	<1.0	<1.0	<1.0	--
MW-06	ERO	01/26/2023	**3,180**	**30**	55	0.179 J	0.865 J	**2.7**	--
MW-06	ERO	4/25/2023	**2,950**	**25**	37.4	0.17 J	0.835 J	**2.65**	--
MW-06	ERO	7/13/2023	**3,220**	<200	<200	<200	<200	<200	--
MW-06	ERO	10/17/2023	**2,090**	**18.8 J**	36	<20.0	<20.0	**5.53 J**	--
MW-06	ERO	1/24/2024	**2,300**	**21.4**	42.7	<20.0	<20.0	<20.0	--
MW-06	ERO	4/24/2024	**2,890**	**18.1 J**	35.1	<20.0	<20.0	<20.0	--
MW-08	Freedom	10/15/2005	ND	ND	ND	NR	NR	NR	--
MW-08	Freedom	3/21/2006	ND	ND	ND	NR	NR	NR	--
MW-08	Freedom	6/28/2006	ND	ND	ND	NR	NR	NR	--
MW-08	Freedom	10/12/2006	ND	ND	ND	NR	NR	NR	--
MW-08	Freedom	1/20/2007	ND	ND	ND	NR	NR	NR	--
MW-08	Freedom	4/20/2007	ND	ND	ND	NR	NR	NR	--
MW-08	Freedom	7/17/2007	ND	ND	ND	NR	NR	NR	--
MW-08	Freedom	6/13/2008	ND	ND	ND	NR	NR	NR	--
MW-08	Freedom	10/3/2008	ND	ND	ND	NR	NR	NR	--
MW-08	LTE	3/31/2009	2.9	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-08	LTE	6/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-08	LTE	12/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-08	Quantum	12/6/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-08	Quantum	3/22/2022	2.3	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-08	ERO	1/24/2023	2.9	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-08	ERO	4/24/2023	0.98 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-08	ERO	7/12/2023	5.78	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-08	ERO	10/16/2023	0.96 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-08	ERO	1/23/2024	1.12 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-08	ERO	4/23/2024	2.9	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-09	Freedom	3/22/2006	**3,300**	**7.5**	24	NR	NR	NR	--
MW-09	Freedom	6/28/2006	**4,800**	**13**	16	NR	NR	NR	--
MW-09	Freedom	10/12/2006	**15,000**	**15**	12	NR	NR	NR	--
MW-09	Freedom	1/20/2007	**6,500**	**14**	21	NR	NR	NR	--
MW-09	Freedom	2/21/2007	**20,096**	**75**	**127**	<100	<100	<100	--
MW-09	Freedom	2/26/2007	**17,932**	**106**	**136**	<100	<100	<100	--
MW-09	Freedom	2/28/2007	**9,714**	**52**	**133**	<100	<100	<100	--
MW-09	Freedom	3/8/2007	**15,085**	**54**	**128**	<100	<100	<100	--
MW-09	Freedom	3/26/2007	**18,034**	**63**	**130**	<100	<100	**105**	--
MW-09	Freedom	4/9/2007	**16,530**	**58**	**128**	<100	<100	<100	--
MW-09	Freedom	4/20/2007	**10,000**	**34**	**100**	NR	NR	NR	--
MW-09	Freedom	7/17/2007	**6,500**	**27**	60	NR	NR	NR	--
MW-09	Freedom	6/13/2008	**20,000**	**15**	20	NR	NR	NR	--

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17 [n]*	*5 [n]*	*70 [n]*	*140 [n]*	*7 [n]*	*2 [n]*	*250 [o]*
		Sample Date							
MW-09	Freedom	8/15/2008	**12,521**	<50	61	<50	<50	<50	--
MW-09	Freedom	10/3/2008	**20,100**	**12**	17.6	NR	NR	NR	--
MW-09	LTE	3/30/2009	**5,900**	**10**	12	<1.0	<1.0	<2.0	--
MW-09	LTE	6/30/2009	**11,000**	**40**	**110**	<1.0	<1.0	<2.0	--
MW-09	LTE	10/14/2009	**2,000**	**12**	61	<1.0	<1.0	<1.0	--
MW-09	LTE	12/15/2009	**13,000**	**31**	**71**	<1.0	<1.0	<1.0	--
MW-09	LTE	3/31/2010	**15,000**	**49**	**130**	1.2	1.2	<1.0	--
MW-09	LTE	3/21/2013	**21,700**	<50	**77**	<50	<50	<50	--
MW-09	LTE	2/10/2015	**11,200**	**10**	7.5	<1.0	<1.0	<1.0	--
MW-09	LTE	10/7/2015	**20,600**	**67**	**104**	<1.0	<1.0	<1.0	--
MW-09	LTE	5/4/2016	**6,550**	**54**	**133**	<1.0	<1.0	1.1	--
MW-09	LTE	10/13/2016	**6,620**	**64**	**114**	<1.0	<1.0	<1.0	--
MW-09	LTE	4/11/2017	**11,000**	**77**	**97**	<1.0	<1.0	<1.0	--
MW-09	LTE	10/24/2017	**9,690**	**82**	**159**	<1.0	1.9	12	--
MW-09	LTE	5/24/2018	**9,820**	**65**	**125**	1.4	2.1	5	--
MW-09	R3	10/12/2018	**13,000**	**81**	**170**	<1.0	<1.0	9.1	--
MW-09	R3	4/8/2019	**11,000**	**57**	**110**	<1.0	<1.0	<1.0	--
MW-09	R3	10/8/2019	**13,000**	**48**	**71**	<1.0	<1.0	<1.0	--
MW-09	R3	4/6/2020	**11,900**	**41**	65	<1.0	<1.0	<1.0	--
MW-09	R3	10/21/2020	**190**	9.5	5.8	<1.0	<1.0	<1.0	--
MW-09	Quantum	12/9/2021	**19,000**	**100**	**150**	1.1	3.8	**7.4**	--
MW-09	Quantum	3/28/2022	**12,000**	**50**	**78**	<1.0	<1.0	**1.8**	--
MW-09	ERO	1/26/2023	**4,760**	**63**	**109**	<10.0	<10.0	**3.79 J**	--
MW-09	ERO	1/26/2023	**8,340**	**42**	66	<10.0	<10.0	<10.0	--
MW-09	ERO	4/25/2023	**7,430**	**51.3**	**74.8**	0.36 J	1.71	**3.68**	--
MW-09	ERO	4/25/2023	**7,150**	**57.1**	**85.4**	0.491 J	1.84	**4.15**	--
MW-09	ERO	7/13/2023	**14,200**	<200	50.7 J	<200	<200	<200	--
MW-09	ERO	7/13/2023	**13,800**	<200	<200	<200	<200	<200	--
MW-09	ERO	10/17/2023	**3,350**	<200	<200	<200	<200	<200	--
MW-09	ERO	10/17/2023	**3,580**	<200	37.6 J	<200	<200	<200	--
MW-09	ERO	1/24/2024	**8,360**	**42.7 J**	47 J	<100	<100	<100	--
MW-09	ERO	1/24/2024	**7,130**	<200	<200	<200	<200	<200	--
MW-09	ERO	4/24/2024	**10,200**	<100	21.3 J	<100	<100	<100	--
MW-09	ERO	4/24/2024	**8,970**	<100	20.3 J	<100	<100	<100	--
MW-10	Freedom	3/21/2006	2.6	ND	ND	NR	NR	NR	--
MW-10	Freedom	6/28/2006	2.2	ND	ND	NR	NR	NR	--
MW-10	Freedom	10/12/2006	ND	ND	ND	NR	NR	NR	--
MW-10	Freedom	1/20/2007	ND	ND	ND	NR	NR	NR	--
MW-10	Freedom	4/20/2007	2.6	ND	ND	NR	NR	NR	--
MW-10	Freedom	7/17/2007	ND	ND	ND	NR	NR	NR	--
MW-10	Freedom	6/13/2008	ND	ND	ND	NR	NR	NR	--
MW-10	Freedom	10/3/2008	ND	ND	ND	NR	NR	NR	--
MW-10	LTE	3/31/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-10	LTE	6/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-10	LTE	12/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-10	RETTEW	3/22/2019	<1.0	54.2	<1.0	<1.0	<1.0	<1.0	--
MW-10	Quantum	12/6/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-10	Quantum	3/22/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-10	ERO	1/23/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-10	ERO	4/24/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-10	ERO	7/12/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-10	ERO	10/16/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-10	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-10	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-11	Freedom	3/22/2006	**9,600**	**36**	**110**	NR	NR	NR	--
MW-11	Freedom	6/28/2006	**3,700**	**33**	**76**	NR	NR	NR	--
MW-11	Freedom	10/12/2006	**15,000**	**230**	**630**	NR	NR	NR	--
MW-11	Freedom	1/20/2007	**9,700**	**36**	**70**	NR	NR	NR	--
MW-11	Freedom	2/21/2007	**17,270**	**114**	**204**	<100	<100	<100	--
MW-11	Freedom	2/26/2007	**14,535**	**807**	**244**	<100	<100	<100	--
MW-11	Freedom	2/28/2007	**27,992**	**237**	**515**	<100	<100	<100	--

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17[n]*	*5[n]*	*70[n]*	*140[n]*	*7[n]*	*2[n]*	*250[o]*
		Sample Date							
MW-11	Freedom	3/8/2007	**14,445**	**88**	**150**	<100	<100	<100	--
MW-11	Freedom	3/8/2007	**32,140**	**236**	**424**	<100	<100	<100	--
MW-11	Freedom	4/9/2007	**36,933**	**229**	**403**	<100	<100	<100	--
MW-11	Freedom	4/20/2007	**6,400**	**21**	ND	NR	NR	NR	--
MW-11	Freedom	7/17/2007	**6,600**	**22**	34	NR	NR	NR	--
MW-11	Freedom	6/13/2008	**17,000**	**39**	79	NR	NR	NR	--
MW-11	Freedom	8/15/2008	**27,886**	**120**	**226**	<50	<50	<50	--
MW-11	Freedom	10/3/2008	**13,400**	**65**	**126**	NR	NR	NR	--
MW-11	LTE	3/30/2009	**29,000**	**82**	**130**	6.1	<1.0	<2.0	--
MW-11	LTE	6/30/2009	**15,000**	**33**	58	<1.0	<1.0	<2.0	--
MW-11	LTE	10/14/2009	**8,200**	**36**	**70**	<1.0	<1.0	<1.0	--
MW-11	LTE	12/15/2009	**5,100**	**41**	**81**	<1.0	<1.0	<1.0	--
MW-11	LTE	3/31/2010	**13,000**	**78**	**170**	1.9	<1.0	<1.0	--
MW-11	LTE	3/21/2013	**8,690**	<50	**74**	<50	<50	<50	--
MW-11	LTE	1/21/2014	**2,760**	**107**	**517**	<5	**20**	<5	--
MW-11	LTE	3/6/2014	**34,400**	**225**	**409**	<5	**25**	**7.4**	--
MW-11	LTE	3/20/2014	**74**	<0.5	<0.5	<0.5	0.84	<0.5	--
MW-11	LTE	4/4/2014	**15,100**	**97**	**98**	<0.5	**7.6**	1.5	--
MW-11	LTE	4/21/2014	**12,700**	<50	**89**	<50	<50	<50	--
MW-11	LTE	2/9/2015	<1.0	**100**	**152**	<1.0	**7.9**	<1.0	--
MW-11	LTE	10/7/2015	**23,800**	**131**	**260**	<1.0	5.1	**3.2**	--
MW-11	LTE	5/4/2016	**17,900**	**231**	**445**	2.8	4.8	**9.8**	--
MW-11	LTE	10/18/2016	**25,400**	**185**	**359**	4.7	6.1	**11**	--
MW-11	LTE	4/11/2017	**25,600**	**289**	**454**	2.2	**9.7**	<1.0	--
MW-11	LTE	10/25/2017	**28,400**	**242**	**286**	2.8	**7.8**	**34**	--
MW-11	LTE	5/24/2018	**43,200**	**336**	**562**	4.2	**8.2**	**11**	--
MW-11	R3	10/12/2018	**27,000**	**340**	**430**	4.2	<1.0	**19**	--
MW-11	R3	4/8/2019	**7,600**	**300**	**1,100**	3.4	<1.0	**12**	--
MW-11	R3	10/8/2019	**42,000**	**210**	3.1	3.4	<1.0	**6.3**	--
MW-11	R3	4/6/2020	**28,200**	**190**	**392**	3.4	<1.0	**7.1**	--
MW-11	R3	10/21/2020	**37,000**	**210**	**220**	**2**	4.2	**6.3**	--
MW-11	Quantum	12/13/2021	**35,000**	**330**	**660**	5.7	**13**	**32**	--
MW-11	Quantum	3/28/2022	**58,000**	**300**	**410**	5.8	<1.0	**2.9**	--
MW-11	ERO	1/26/2023	**29,200**	**398**	**834**	5.77 J	5.56	**6.96**	--
MW-11	ERO	4/25/2023	**61,200**	**508**	**992**	8.06	**7.73**	**6.02**	--
MW-11	ERO	7/14/2023	**33,700**	**414 J**	**942**	<500	<500	<500	--
MW-11	ERO	10/17/2023	**25,700**	**217 J**	**512**	<500	<500	<500	--
MW-11	ERO	1/24/2024	**44,000**	**428 J**	**752**	<500	<500	<500	--
MW-11	ERO	4/23/2024	NA	NA	NA	NA	NA	NA	NA
MW-12R	Freedom	3/22/2006	**6,100**	**6.8**	ND	NR	NR	NR	--
MW-12R	Freedom	6/28/2006	**5,800**	**9.4**	ND	NR	NR	NR	--
MW-12R	Freedom	10/12/2006	**8,800**	**9.1**	ND	NR	NR	NR	--
MW-12R	Freedom	1/20/2007	**8,000**	**6.5**	ND	NR	NR	NR	--
MW-12R	Freedom	4/20/2007	**10,000**	**9.8**	ND	NR	NR	NR	--
MW-12R	Freedom	7/17/2007	**14,000**	**8.2**	ND	NR	NR	NR	--
MW-12R	Freedom	6/13/2008	**19,000**	**9.4**	ND	NR	NR	NR	--
MW-12R	Freedom	10/3/2008	**13,300**	**6.5**	ND	NR	NR	NR	--
MW-12R	LTE	3/31/2009	**6,600**	**6.6**	<1.0	<1.0	<1.0	<2.0	--
MW-12R	LTE	6/30/2009	**11,000**	**9.0**	<1.0	<1.0	<1.0	<2.0	--
MW-12R	LTE	10/14/2009	**20,000**	**9.9**	<1.0	<1.0	<1.0	<1.0	--
MW-12R	LTE	12/15/2009	**3,100**	3.9	<1.0	<1.0	<1.0	<1.0	--
MW-12R	LTE	3/31/2010	**16,000**	**12**	<1.0	<1.0	<1.0	<1.0	--
MW-12R	LTE	3/21/2013	**4,220**	<0.5	<0.5	<0.5	<0.5	<0.5	--
MW-12R	LTE	3/5/2014	**264**	<0.5	<0.5	<0.5	<0.5	<0.5	--
MW-12R	LTE	3/20/2014	**15,300**	<50	**140**	<50	<50	<50	--
MW-12R	LTE	4/4/2014	**7,390**	<50	<50	<50	<50	<50	--
MW-12R	LTE	4/21/2014	**858**	<25	<25	<25	<25	<25	--
MW-12R	LTE	2/9/2015	**141**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-12R	LTE	10/7/2015	**23**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-12R	LTE	5/4/2016	**372**	2.5	<1.0	<1.0	<1.0	<1.0	--
MW-12R	LTE	10/13/2016	**137**	<1.0	<1.0	<1.0	<1.0	<1.0	--

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17 [n]*	*5 [n]*	*70 [n]*	*140 [n]*	*7 [n]*	*2 [n]*	*250 [o]*
		Sample Date							
MW-12R	LTE	4/11/2017	**195**	3.3	<1.0	<1.0	<1.0	<1.0	--
MW-12R	LTE	10/24/2017	**194**	3	1.9	<1.0	<1.0	1.4	--
MW-12R	LTE	5/23/2018	**295**	3	1.9	<1.0	<1.0	<1.0	--
MW-12R	R3	10/12/2018	**91**	2	1.3	<1.0	<1.0	<1.0	--
MW-12R	R3	4/8/2019	**180**	2.6	1.2	<1.0	<1.0	**3.0**	--
MW-12R	R3	10/8/2019	**230**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-12R	R3	4/6/2020	**200**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-12R	R3	10/21/2020	**240**	2.3	<1.0	<1.0	<1.0	<1.0	--
MW-12R	Quantum	12/13/2021	**2,100**	2.5	1.9	<1.0	<1.0	<1.0	--
MW-12R	Quantum	3/28/2022	**170**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-12R	ERO	1/26/2023	**168**	0.992 J	0.537 J	<1.00	<1.00	<1.00	--
MW-12R	ERO	4/25/2023	**185**	1.04	0.433 J	<1.00	<1.00	<1.00	--
MW-12R	ERO	7/13/2023	**160**	0.61 J	<1.00	<1.00	<1.00	<1.00	--
MW-12R	ERO	10/17/2023	**114**	0.866 J	0.42 J	<1.00	<1.00	<1.00	--
MW-12R	ERO	1/24/2024	**121**	0.963 J	0.399 J	<1.00	<1.00	<1.00	--
MW-12R	ERO	4/24/2024	**161**	0.53 J	<1.00	<1.00	<1.00	<1.00	--
MW-13	Freedom	3/22/2006	**2,000**	**19**	**81**	NR	NR	NR	--
MW-13	Freedom	6/28/2006	**5,100**	**42**	**120**	NR	NR	NR	--
MW-13	Freedom	10/12/2006	**7,100**	**43**	**120**	NR	NR	NR	--
MW-13	Freedom	1/20/2007	**7,400**	**41**	**110**	NR	NR	NR	--
MW-13	Freedom	4/20/2007	**11,000**	**49**	**130**	NR	NR	NR	--
MW-13	Freedom	7/17/2007	**10,000**	**43**	**86**	NR	NR	NR	--
MW-13	Freedom	6/13/2008	**16,000**	**45**	**150**	NR	NR	NR	--
MW-13	Freedom	10/3/2008	**12,200**	**45**	**117**	NR	NR	NR	--
MW-13	LTE	3/30/2009	**13,000**	**54**	**130**	3.7	<1.0	<2.0	--
MW-13	LTE	6/30/2009	**14,000**	**42**	**120**	<1.0	<1.0	<2.0	--
MW-13	LTE	10/14/2009	**14,000**	**41**	**120**	<1.0	<1.0	<1.0	--
MW-13	LTE	12/15/2009	**6,100**	**37**	**96**	<1.0	<1.0	<1.0	--
MW-13	LTE	3/31/2010	**5,400**	**40**	**120**	1.1	<1.0	<1.0	--
MW-13	LTE	3/21/2012	**11,000**	**37**	**89**	<1.0	<1.0	<1.0	--
MW-13	LTE	6/14/2012	**6,900**	**30**	**79**	<1.0	<1.0	<1.0	--
MW-13	LTE	9/13/2012	**6,310**	**31**	**79**	<1.0	<1.0	<1.0	--
MW-13	LTE	12/13/2012	**8,010**	**38**	**108**	<1.0	<1.0	<1.0	--
MW-13	LTE	3/20/2013	**12,100**	**36**	**90**	<1.0	<1.0	<1.0	--
MW-13	LTE	3/20/2013	**13,400**	**38**	**95**	<1.0	<1.0	<1.0	--
MW-13	LTE	10/24/2013	**9,050**	**27**	64	<1.0	<1.0	<1.0	--
MW-13	LTE	4/21/2014	**21,800**	**42**	**95**	<1.0	<1.0	<1.0	--
MW-13	LTE	10/20/2014	**9,930**	**32**	**76**	<1.0	<1.0	<1.0	--
MW-13	LTE	2/10/2015	**7,530**	**32**	**84**	<1.0	<1.0	<1.0	--
MW-13	LTE	10/7/2015	**7,800**	**31**	**78**	<1.0	<1.0	<1.0	--
MW-13	LTE	4/14/2016	**10,900**	**43**	**95**	<1.0	<1.0	<1.0	--
MW-13	LTE	10/13/2016	**6,600**	**37**	**88**	<1.0	<1.0	<1.0	--
MW-13	LTE	4/12/2017	**9,550**	**46**	**88**	<1.0	<1.0	<1.0	--
MW-13	LTE	10/25/2017	**10,300**	**45**	**93**	<1.0	<1.0	<1.0	--
MW-13	LTE	5/24/2018	**10,500**	**40**	**83**	1.2	1.4	1.6	--
MW-13	R3	10/12/2018	**12,000**	**43**	**83**	<1.0	1.0	<1.0	--
MW-13	RETTEW	3/5/2019	**8,260**	**47**	**93**	0.612	0.926	1.68	--
MW-13	R3	4/8/2019	**11,000**	**50**	**100**	<1.0	1.0	**3.8**	**--**
MW-13	R3	10/8/2019	**3,200**	**29**	61	<1.0	1.0	1.7	--
MW-13	R3	4/6/2020	**7,500**	**35**	**70**	<1.0	1.0	**2.1**	**--**
MW-13	R3	10/21/2020	**1,900**	**43**	**100**	<1.0	1.0	<1.0	--
MW-13	Quantum	7/22/2021	**9,800**	**43**	**88**	<1.0	<1.0	1.4	**383**
MW-13	Quantum	8/23/2021	**13,000**	**16**	56	<1.0	<1.0	<1.0	**410**
MW-13	Quantum	10/7/2021	**11,000**	**17**	27	<1.0	<1.0	<1.0	**536**
MW-13	Quantum	12/8/2021	**13,000**	**72**	**130**	<1.0	2.2	**3.1**	**414**
MW-13	Quantum	3/25/2022	**9,900**	**33**	**83**	<1.0	<1.0	1.1	**478**
MW-13	ERO	1/26/2023	**6,880**	**44**	**87**	<10.0	<10.0	<10.0	**494**
MW-13	ERO	4/25/2023	**7,760**	**46**	**78**	0.445 J	0.933 J	**1.48**	**466**
MW-13	ERO	7/14/2023	**6,650**	**48.5 J**	**94.3 J**	<200	<200	<200	**471**
MW-13	ERO	10/17/2023	**4,550**	<200	<200	<200	<200	<200	**458**
MW-13	ERO	1/24/2024	**7,890**	50 J	108	<100	<100	<100	**436**

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17[n]*	*5[n]*	*70[n]*	*140[n]*	*7[n]*	*2[n]*	*250[o]*
		Sample Date							
MW-13	ERO	4/24/2024	**9,770**	<100	46.8 J	<100	<100	<100	**467**
MW-14	Freedom	3/22/2006	**5,600**	**30**	66	NR	NR	NR	--
MW-14	Freedom	6/28/2006	**2,200**	**34**	**70**	NR	NR	NR	--
MW-14	Freedom	10/12/2006	**1,200**	**7.3**	10	NR	NR	NR	--
MW-14	Freedom	1/20/2007	**4,900**	**22**	44	NR	NR	NR	--
MW-14	Freedom	4/20/2007	**5,800**	**31**	64	NR	NR	NR	--
MW-14	Freedom	7/17/2007	**4,000**	**22**	33	NR	NR	NR	--
MW-14	Freedom	6/13/2008	**8,400**	**25**	58	NR	NR	NR	--
MW-14	Freedom	10/3/2008	**1,800**	**6.4**	12	NR	NR	NR	--
MW-14	LTE	3/30/2009	**630**	**4.3**	6.6	<1.0	<1.0	<2.0	--
MW-14	LTE	6/30/2009	**3,700**	**22**	49	<1.0	<1.0	<2.0	--
MW-14	LTE	10/14/2009	**9,000**	**42**	**96**	<1.0	<1.0	<1.0	--
MW-14	LTE	12/15/2009	**6,500**	**42**	**90**	<1.0	1.1	<1.0	**--**
MW-14	LTE	3/31/2010	**5,400**	**21**	46	<1.0	<1.0	<1.0	--
MW-14	LTE	3/21/2012	**1,600**	2.8	6.8	<1.0	<1.0	<1.0	--
MW-14	LTE	6/14/2012	**470**	2.6	6.0	<1.0	<1.0	<1.0	--
MW-14	LTE	9/13/2012	**4,850**	**30**	**71**	<1.0	<1.0	<1.0	--
MW-14	LTE	12/13/2012	**1,620**	**13**	29	<1.0	<1.0	<1.0	--
MW-14	LTE	3/20/2013	**3,160**	**10**	23	<1.0	<1.0	<1.0	--
MW-14	LTE	10/24/2013	**5,810**	**25**	48	<1.0	<1.0	<1.0	--
MW-14	LTE	4/21/2014	**9,360**	**35**	68	<1.0	<1.0	<1.0	--
MW-14	LTE	4/21/2014	**11,100**	**37**	**70**	<1.0	<1.0	<1.0	--
MW-14	LTE	10/20/2014	**11,100**	**42**	**90**	<1.0	<1.0	<1.0	--
MW-14	LTE	2/11/2015	**4,310**	**21**	40	<1.0	<1.0	<1.0	--
MW-14	LTE	10/7/2015	**9,850**	**33**	69	<1.0	<1.0	<1.0	--
MW-14	LTE	4/14/2016	**61**	2.3	3.9	<1.0	<1.0	<1.0	--
MW-14	LTE	4/14/2016	**384**	2.2	3.6	<1.0	<1.0	<1.0	--
MW-14	LTE	10/13/2016	**1,870**	**21**	40	<1.0	<1.0	<1.0	--
MW-14	LTE	4/12/2017	**850**	**5.3**	9	<1.0	<1.0	<1.0	--
MW-14	LTE	10/25/2017	**10,600**	**48**	**92**	<1.0	<1.0	<1.0	--
MW-14	LTE	5/24/2018	**9,680**	**33**	67	**1.2**	1.2	<1.0	--
MW-14	R3	10/12/2018	**14,000**	**44**	**83**	<1.0	<1.0	1.2	--
MW-14	R3	4/8/2019	**8,500**	**30**	62	<1.0	<1.0	1.2	--
MW-14	R3	10/8/2019	**3,100**	**17**	38	<1.0	<1.0	1.2	--
MW-14	R3	4/6/2020	**4,000**	**21**	41	<1.0	<1.0	1.1	--
MW-14	R3	10/20/2020	**4,000**	**16**	37	<1.0	<1.0	<1.0	**--**
MW-14	Quantum	12/8/2021	**15,000**	**63**	**130**	<1.0	1.5	<1.0	**295**
MW-14	Quantum	3/28/2022	**10,000**	**21**	37	<1.0	<1.0	<1.0	**338**
MW-14	Quantum [p]	10/7/2021	**9,600**	**47**	**88**	<1.0	<1.0	<1.0	**418**
MW-14	Quantum [p]	7/22/2021	**14,000**	**43**	**94**	<1.0	<1.0	<1.0	**307**
MW-14	Quantum [p]	8/23/2021	**16,000**	**15**	53	<1.0	<1.0	<1.0	**270**
MW-14	ERO	1/26/2023	**4,440**	**32**	58	<10.0	<10.0	<10.0	**369**
MW-14	ERO	4/25/2023	**1,970**	**10.1**	11.3	0.174 J	<1.00	<1.00	**500**
MW-14	ERO	7/13/2023	**12,600**	**36.1 J**	62.8 J	<100	<100	<100	**405**
MW-14	ERO	10/17/2023	**5,060**	**23.4 J**	52.4 J	<100	<100	<100	**425**
MW-14	ERO	1/24/2024	**8,160**	**41 J**	**73.7 J**	<100	<100	<100	**407**
MW-14	ERO	4/24/2024	**8,630**	**25.7 J**	43.4 J	<100	<100	<100	**428**
MW-15	Freedom	5/3/2006	**920**	**11**	38	NR	NR	NR	--
MW-15	Freedom	6/28/2006	**1,200**	**14**	38	NR	NR	NR	--
MW-15	Freedom	10/12/2006	**1,500**	**16**	33	NR	NR	NR	--
MW-15	Freedom	1/20/2007	**290**	**13**	34	NR	NR	NR	--
MW-15	Freedom	4/20/2007	**1,600**	**17**	46	NR	NR	NR	--
MW-15	Freedom	7/17/2007	**1,700**	**16**	34	NR	NR	NR	--
MW-15	Freedom	6/13/2008	**3,400**	**16**	49	NR	NR	NR	--
MW-15	Freedom	10/3/2008	**1,060**	**13**	32	NR	NR	NR	--
MW-15	LTE	3/30/2009	**1,500**	**15**	36	1.2	<1.0	<2.0	--
MW-15	LTE	6/30/2009	**2,300**	**13**	33	<1.0	<1.0	<2.0	--
MW-15	LTE	10/14/2009	**2,500**	**15**	42	<1.0	<1.0	<1.0	--
MW-15	LTE	12/15/2009	**1,900**	**15**	37	<1.0	<1.0	<1.0	**--**
MW-15	LTE	3/31/2010	**1,700**	**16**	45	<1.0	<1.0	<1.0	--

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17 [n]*	*5 [n]*	*70 [n]*	*140 [n]*	*7 [n]*	*2 [n]*	*250 [o]*
		Sample Date							
MW-15	LTE	3/21/2012	**2,600**	**9.8**	35	<1.0	<1.0	<1.0	--
MW-15	LTE	6/14/2012	**2,100**	**14**	44	<1.0	<1.0	<1.0	--
MW-15	LTE	9/13/2012	**1,840**	**13**	40	<1.0	<1.0	<1.0	--
MW-15	LTE	12/13/2012	**1,730**	**14**	40	<1.0	<1.0	<1.0	--
MW-15	LTE	3/20/2013	**2,410**	**12**	37	<1.0	<1.0	<1.0	--
MW-15	LTE	10/24/2013	**2,140**	**12**	33	<1.0	<1.0	<1.0	--
MW-15	LTE	4/22/2014	**2,550**	**15**	42	<1.0	<1.0	<1.0	--
MW-15	LTE	10/20/2014	**2,850**	**13**	38	<1.0	<1.0	<1.0	--
MW-15	LTE	10/20/2014	**2,940**	**13**	37	<1.0	<1.0	<1.0	--
MW-15	LTE	2/11/2015	**1,620**	**9.8**	29	<1.0	<1.0	<1.0	--
MW-15	LTE	10/7/2015	**2,270**	**11**	31	<1.0	<1.0	<1.0	--
MW-15	LTE	4/14/2016	**1,660**	**11**	28	<1.0	<1.0	<1.0	--
MW-15	LTE	10/13/2016	**1,080**	9.1	29	<1.0	<1.0	<1.0	--
MW-15	LTE	4/12/2017	**1,590**	**12**	25	<1.0	<1.0	<1.0	--
MW-15	LTE	10/25/2017	**3,100**	**13**	35	<1.0	<1.0	<1.0	--
MW-15	LTE	5/23/2018	**2,500**	**12**	29	<1.0	<1.0	<1.0	--
MW-15	R3	10/11/2018	**3,500**	**13**	32	<1.0	<1.0	<1.0	--
MW-15	R3	4/8/2019	**1,700**	**12**	<1.0	<1.0	<1.0	<1.0	--
MW-15	R3	10/8/2019	**1,900**	4.8	16	<1.0	<1.0	<1.0	--
MW-15	R3	4/7/2020	**2,100**	**5.1**	18	<1.0	<1.0	<1.0	--
MW-15	R3	10/21/2020	**1,400**	**7.9**	22	<1.0	<1.0	<1.0	**--**
MW-15	Quantum	12/8/2021	**2,600**	**14**	31	<1.0	<1.0	<1.0	**434**
MW-15	Quantum	3/28/2022	**1,600**	**6.3**	11	<1.0	<1.0	<1.0	**428**
MW-15	Quantum [p]	10/7/2021	**1,500**	**9.7**	21	<1.0	<1.0	<1.0	**537**
MW-15	Quantum [p]	7/22/2021	**2,400**	**8.4**	22	<1.0	<1.0	<1.0	51.0
MW-15	Quantum [p]	8/23/2021	**4,100**	2.0	9.6	<1.0	<1.0	<1.0	**389**
MW-15	ERO	1/26/2023	**1,470**	**10.4**	18.3	<1.00	<1.00	<1.00	**601**
MW-15	ERO	4/25/2023	**270**	3.51	4.01	<1.00	<1.00	<1.00	**553**
MW-15	ERO	7/13/2023	**2,050**	**10.9**	15.9	<10.0	<10.0	<10.0	**596**
MW-15	ERO	10/17/2023	**1,710**	**11.5**	17.9	<10.0	<10.0	<10.0	**591**
MW-15	ERO	1/24/2024	**1,870**	**14.2**	22.2	<10.0	<10.0	<10.0	**574**
MW-15	ERO	4/24/2024	**1,930**	10.1	15.7	<10.0	<10.0	<10.0	**631**
MW-16	Freedom	5/3/2006	**130**	ND	8.4	NR	NR	NR	--
MW-16	Freedom	6/28/2006	**190**	**6.6**	9.5	NR	NR	NR	--
MW-16	Freedom	10/12/2006	**170**	**6.5**	9.1	NR	NR	NR	--
MW-16	Freedom	1/20/2007	**160**	3.2	ND	NR	NR	NR	--
MW-16	Freedom	4/20/2007	**280**	4.9	11	NR	NR	NR	--
MW-16	Freedom	7/17/2007	**610**	4.8	13	NR	NR	NR	--
MW-16	Freedom	6/13/2008	**210**	4.4	11	NR	NR	NR	--
MW-16	Freedom	10/3/2008	**213**	4.5	11	NR	NR	NR	--
MW-16	LTE	3/30/2009	**88**	2.7	6.9	<1.0	<1.0	<2.0	--
MW-16	LTE	6/30/2009	**240**	3.3	<1.0	<1.0	<1.0	<2.0	--
MW-16	LTE	10/14/2009	**250**	3.1	9.6	<1.0	<1.0	<1.0	--
MW-16	LTE	12/15/2009	**220**	3.8	10	<1.0	<1.0	<1.0	**--**
MW-16	LTE	3/31/2010	**150**	4.4	9.9	<1.0	<1.0	<1.0	--
MW-16	LTE	3/21/2013	**179**	4.1	11	<0.5	<0.5	<0.5	--
MW-16	LTE	2/11/2015	2.4	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-16	LTE	9/6/2016	**78**	4.6	3.8	<0.5	<0.5	<0.5	--
MW-16	Quantum	12/8/2021	**110**	4.8	4.8	<1.0	<1.0	<1.0	--
MW-16	Quantum	3/22/2022	8.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-16	ERO	1/24/2023	**164**	**6.2**	6.9	<1.00	<1.00	<1.00	--
MW-16	ERO	1/24/2023	**150**	**9.3**	9.3	<1.00	<1.00	<1.00	--
MW-16	ERO	4/25/2023	**134**	**5.54**	8.13	<1.00	<1.00	<1.00	--
MW-16	ERO	7/13/2023	**111**	2.78	3.25	<1.00	<1.00	<1.00	--
MW-16	ERO	7/13/2023	**107**	2.56	2.91	<1.00	<1.00	<1.00	--
MW-16	ERO	10/17/2023	**178**	3.98	4.96	<1.00	<1.00	<1.00	--
MW-16	ERO	10/17/2023	**185**	4.8	5.81	<1.00	<1.00	<1.00	--
MW-16	ERO	1/24/2024	**197**	**9.72**	11.2	<1.00	<1.00	<1.00	--
MW-16	ERO	1/24/2024	**181**	**10.5**	11.7	0.152 J	<1.00	<1.00	--
MW-16	ERO	4/24/2024	**175**	3.5 J	2.92 J	<10.0	<10.0	<10.0	--

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17 [n]*	*5 [n]*	*70 [n]*	*140 [n]*	*7 [n]*	*2 [n]*	*250 [o]*
		Sample Date							
MW-16	ERO	4/24/2024	**189**	<10.0	4.18 J	<10.0	<10.0	<10.0	--
MW-17	Freedom	5/3/2006	ND	ND	ND	NR	NR	NR	--
MW-17	Freedom	6/28/2006	1.3	2.5	ND	NR	NR	NR	--
MW-17	Freedom	10/12/2006	2.9	4.1	ND	NR	NR	NR	--
MW-17	Freedom	1/20/2007	ND	ND	ND	NR	NR	NR	--
MW-17	Freedom	4/20/2007	ND	ND	ND	NR	NR	NR	--
MW-17	Freedom	7/17/2007	ND	ND	ND	NR	NR	NR	--
MW-17	Freedom	6/13/2008	ND	ND	ND	NR	NR	NR	--
MW-17	Freedom	10/3/2008	ND	ND	ND	NR	NR	NR	--
MW-17	LTE	3/30/2009	**11**	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-17	LTE	6/30/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	--
MW-17	LTE	10/14/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-17	LTE	12/15/2009	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-17	LTE	3/31/2010	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-17	RETTEW	3/22/2019	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-17	Quantum	12/9/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-17	Quantum	3/28/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-17	ERO	1/23/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-17	ERO	4/24/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-17	ERO	7/12/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-17	ERO	10/16/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-17	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-17	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-18	LTE	7/27/2011	**250**	2.5	3.7	<1.0	<1.0	<1.0	--
MW-18	LTE	3/19/2013	**29**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-18	LTE	4/21/2014	**230**	4.7	3.6	<1.0	<1.0	<1.0	--
MW-18	LTE	2/11/2015	**17**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-18	LTE	4/13/2016	5.7	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-18	LTE	4/12/2017	**206**	**3**	<1.0	<1.0	<1.0	<1.0	--
MW-18	LTE	5/23/2018	**162**	4.2	2.6	<1.0	<1.0	<1.0	--
MW-18	R3	10/11/2018	**480**	**7.4**	4.4	<1.0	<1.0	<1.0	--
MW-18	R3	4/8/2019	**550**	**7.1**	5.3	<1.0	<1.0	<1.0	--
MW-18	R3	10/8/2019	**3,900**	**36**	2.6	<1.0	<1.0	<1.0	--
MW-18	R3	4/7/2020	**2,500**	**24**	2.1	<1.0	<1.0	<1.0	--
MW-18	R3	10/20/2020	**270**	3	1.9	<1.0	<1.0	<1.0	--
MW-18	Quantum	7/19/2021	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-18	ERO	1/22/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-18	ERO	4/24/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-18	ERO	7/28/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	BOS
MW-18	ERO	10/16/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-18	ERO	1/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-18	ERO	4/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-19	LTE	7/7/2011	**510**	3.8	3.2	<1.0	<1.0	<1.0	--
MW-19	LTE	3/19/2013	**515**	**14**	5.1	<1.0	<1.0	<1.0	--
MW-19	LTE	4/22/2014	**717**	**19**	6.3	<1.0	<1.0	<1.0	--
MW-19	LTE	2/10/2015	**496**	**11**	4.6	<1.0	<1.0	<1.0	--
MW-19	LTE	10/12/2016	**492**	**17**	4.7	<0.5	<0.5	<0.5	--
MW-19	LTE	4/12/2017	**578**	**21**	4.7	<1.0	<1.0	<1.0	--
MW-19	LTE	5/23/2018	**772**	**20**	5.8	<1.0	<1.0	<1.0	--
MW-19	R3	10/11/2018	**1,100**	**14**	7.1	<1.0	<1.0	<1.0	--
MW-19	RETTEW	2/28/2019	**750**	**27.4**	6.8	0.435	<1.00	<1.00	--
MW-19	R3	4/5/2019	**1,000**	**19**	5.4	<1.0	<1.0	<1.0	--
MW-19	R3	10/7/2019	**4,500**	**120**	2.4	<1.0	<1.0	<1.0	--
MW-19	R3	4/7/2020	**3,000**	**100**	2.4	<1.0	<1.0	<1.0	--
MW-19	R3	10/20/2020	**10,000**	**56**	**100**	<1.0	1.3	4.1	--
MW-19	Quantum	7/19/2021	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-19	ERO	1/22/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-19	ERO	4/24/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-19	ERO	7/28/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	BOS
MW-19	ERO	10/16/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-19	ERO	1/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17[n]*	*5[n]*	*70[n]*	*140[n]*	*7[n]*	*2[n]*	*250[o]*
		Sample Date							
MW-19	ERO	4/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-20	LTE	7/11/2011	**140**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-20	LTE	3/19/2013	**32**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-20	LTE	4/21/2014	**38**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-20	LTE	2/11/2015	**31**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-20	LTE	4/13/2016	**22**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-20	LTE	4/12/2017	**45**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-20	LTE	5/23/2018	**31**	1.4	<1.0	<1.0	<1.0	<1.0	--
MW-20	R3	10/12/2018	**110**	1.4	<1.0	<1.0	<1.0	<1.0	--
MW-20	R3	4/5/2019	**78**	1.2	<1.0	<1.0	<1.0	<1.0	--
MW-20	R3	10/7/2019	**47**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-20	R3	4/7/2020	**35**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-20	R3	10/21/2020	**79**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-20	Quantum	7/19/2021	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-20	ERO	1/22/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-20	ERO	4/24/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-20	ERO	7/12/2023	5.04	<1.00	<1.00	<1.00	<1.00	<1.00	BOS
MW-20	ERO	10/16/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-20	ERO	1/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-20	ERO	4/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-21	LTE	8/3/2011	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	LTE	3/19/2013	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	LTE	4/22/2014	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	LTE	2/10/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	LTE	2/10/2015	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	LTE	4/13/2016	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	LTE	4/12/2017	7.5	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	LTE	5/10/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	LTE	5/10/2017	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	LTE	5/22/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	R3	10/11/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	R3	4/5/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	R3	10/7/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	R3	4/7/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	R3	10/21/2020	NS	NS	NS	NS	NS	NS	--
MW-21	Quantum	12/7/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	Quantum	3/23/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-21	ERO	1/24/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-21	ERO	4/24/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-21	ERO	7/12/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-21	ERO	10/16/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-21	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-21	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-22	LTE	5/30/2018	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-22	R3	10/11/2018	8.9	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-22	R3	4/8/2019	**190**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-22	R3	10/7/2019	6.4	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-22	R3	4/7/2020	7.8	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-22	R3	10/21/2020	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-22	Quantum	12/13/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-22	Quantum	3/25/2022	2.8	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-22	ERO	1/24/2023	0.565 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-22	ERO	4/24/2023	0.626 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-22	ERO	7/12/2023	0.486 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-22	ERO	10/16/2023	0.543 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-22	ERO	1/23/2024	0.543 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-22	ERO	4/23/2024	0.413 J	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-22D 30-35'	LTE	11/8/2016	**4,290**	**42**	51	<5.0	<5.0	<5.0	--
MW-22D 30-35'	Quantum	12/13/2021	**7,200**	**28**	1.4	<1.0	<1.0	<1.0	--
MW-22D 30-35'	Quantum	3/25/2022	**7,300**	**14**	1.7	<1.0	<1.0	<1.0	--
MW-22D 30-35'	ERO	1/27/2023	**6,650**	**20**	2.1	<1.00	<1.00	<1.00	--

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17 [n]*	*5 [n]*	*70 [n]*	*140 [n]*	*7 [n]*	*2 [n]*	*250 [o]*
		Sample Date							
MW-22D 30-35'	ERO	4/25/2023	**4,960**	**20.9**	1.9	<1.00	<1.00	<1.00	--
MW-22D 30-35'	ERO	7/13/2023	**18,300**	<200	<200	<200	<200	<200	--
MW-22D 30-35'	ERO	10/17/2023	**4,670**	<200	<200	<200	<200	<200	--
MW-22D 30-35'	ERO	1/24/2024	**7,120**	**20.7 J**	<50.0	<50.0	<50.0	<50.0	--
MW-22D 30-35'	ERO	4/24/2024	**7,860**	<50.0	<50.0	<50.0	<50.0	<50.0	--
MW-22D 35-40'	LTE	11/8/2016	**2,320**	**15**	<5.0	<5.0	<5.0	<5.0	--
MW-22D 35-40'	Quantum	12/13/2021	**4,900**	**36**	20	<1.0	<1.0	<1.0	--
MW-22D 35-40'	Quantum	3/25/2022	**10,000**	**18**	14	<1.0	<1.0	<1.0	--
MW-22D 35-40'	ERO	1/24/2023	**5,620**	**24**	10	<1.00	<1.00	<1.00	--
MW-22D 35-40'	ERO	4/25/2023	**4,010**	**17.5**	9.41	<1.00	<1.00	<1.00	--
MW-22D 35-40'	ERO	7/13/2023	**9,120**	<200	<200	<200	<200	<200	--
MW-22D 35-40'	ERO	10/17/2023	**4,680**	<200	<200	<200	<200	<200	--
MW-22D 35-40'	ERO	1/24/2024	**5,000**	**19.9 J**	7.17 J	<50.0	<50.0	<50.0	--
MW-22D 35-40'	ERO	4/24/2024	**12,000**	<200	<200	<200	<200	<200	--
MW-22D 41-46'	LTE	11/8/2016	**6,680**	<25	<25	<25	<25	<25	--
MW-22D 41-46'	Quantum	12/13/2021	**6,100**	**16**	7.2	<1.0	<1.0	<1.0	--
MW-22D 41-46'	Quantum	3/25/2022	**6,500**	**10**	4.8	<1.0	<1.0	<1.0	--
MW-22D 41-46'	ERO	1/27/2023	**2,970**	**11.8**	5.1	<1.00	<1.00	<1.00	--
MW-22D 41-46'	ERO	4/25/2023	**3,640**	**17**	5.06	<1.00	<1.00	<1.00	--
MW-22D 41-46'	ERO	4/25/2023	**4,640**	**15.9**	4.75	<1.00	<1.00	<1.00	--
MW-22D 41-46'	ERO	7/13/2023	**15,400**	<200	<200	<200	<200	<200	--
MW-22D 41-46'	ERO	7/13/2023	**15,800**	<200	<200	<200	<200	<200	--
MW-22D 41-46'	ERO	10/17/2023	**3,200**	<200	<200	<200	<200	<200	--
MW-22D 41-46'	ERO	10/17/2023	**2,810**	<200	<200	<200	<200	<200	--
MW-22D 41-46'	ERO	1/24/2024	**8,650**	**21.6 J**	<50.0	<50.0	<50.0	<50.0	--
MW-22D 41-46'	ERO	1/24/2024	**7,980**	**22 J**	<50.0	<50.0	<50.0	<50.0	--
MW-22D 41-46'	ERO	4/23/2024	NA	NA	NA	NA	NA	NA	NA
MW-22D 48-53'	LTE	11/8/2016	**3,680**	**39**	11	<5.0	<5.0	<5.0	--
MW-22D 48-53'	Quantum	12/13/2021	**4,600**	**24**	2.9	<1.0	<1.0	<1.0	--
MW-22D 48-53'	Quantum	3/25/2022	**3,700**	**15**	2.1	<1.0	<1.0	<1.0	--
MW-22D 48-53'	ERO	1/24/2023	**4,280**	**33.7**	1.53	<1.00	<1.00	<1.00	--
MW-22D 48-53'	ERO	4/25/2023	**3,760**	**25.4**	1.33	<1.00	0.202 J	<1.00	--
MW-22D 48-53'	ERO	7/13/2023	**7,090**	**22.3 J**	<100	<100	<100	<100	--
MW-22D 48-53'	ERO	10/17/2023	**3,500**	<100	<100	<100	<100	<100	--
MW-22D 48-53'	ERO	1/24/2024	**7,220**	**34.1 J**	<50.0	<50.0	<50.0	<50.0	--
MW-22D 48-53'	ERO	4/23/2024	NA	NA	NA	NA	NA	NA	NA
MW-22D 55-60'	LTE	11/8/2016	**72,800**	**38**	<5.0	<5.0	<5.0	<5.0	--
MW-22D 55-60'	Quantum	12/13/2021	**1,100,000**	**65**	<1.0	<1.0	**24**	<1.0	--
MW-22D 55-60'	Quantum	3/24/2022	**75,000**	<1,000	<1,000	<1,000	<1,000	<1,000	--
MW-22D 55-60'	ERO	1/27/2023	**103,000**	**52**	<10.0	<10.0	6.42 J	<10.0	--
MW-22D 55-60'	ERO	4/25/2023	**98,900**	**51.5**	0.272 J	<1.00	**7.76**	<1.00	--
MW-22D 55-60'	ERO	7/12/2023	**13,600**	<100	<100	<100	<100	<100	--
MW-22D 55-60'	ERO	10/17/2023	**104,000**	<100	<100	<100	<100	<100	--
MW-22D 55-60'	ERO	1/24/2024	**132,000**	<1000	<1000	<1000	<1000	<1000	--
MW-22D 55-60'	ERO	4/24/2024	**149,000**	<1000	<1000	<1000	<1000	<1000	--
MW-22D 55-60'	ERO	4/24/2024	**142,000**	<1000	<1000	<1000	<1000	<1000	--
MW-22D 72.5-75'	LTE	11/8/2016	8.0	1.5	<0.5	<0.5	<0.5	<0.5	--
MW-22D 72.5-75'	Quantum	12/13/2021	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-22D 72.5-75'	Quantum	3/24/2022	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-22D 72.5-75'	ERO	1/23/2023	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-22D 72.5-75'	ERO	4/24/2023	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-22D 72.5-75'	ERO	7/12/2023	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-22D 72.5-75'	ERO	10/16/2023	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-22D 72.5-75'	ERO	1/23/2024	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-22D 72.5-75'	ERO	4/23/2024	NA	NA	NA	NA	NA	NA	NA
MW-23	LTE	5/23/2018	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-23	R3	10/11/2018	4.9	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-23	R3	4/5/2019	8.6	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-23	R3	10/8/2019	2.2	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-23	R3	4/7/2020	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-23	R3	10/21/2020	**22**	<1.0	<1.0	<1.0	<1.0	<1.0	--

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17[n]*	*5[n]*	*70[n]*	*140[n]*	*7[n]*	*2[n]*	*250[o]*
		Sample Date							
MW-23	Quantum[p]	10/7/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	198
MW-23	Quantum[p]	7/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	146
MW-23	Quantum[p]	8/23/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	160
MW-23	Quantum	12/8/2021	2.5	<1.0	<1.0	<1.0	<1.0	<1.0	191
MW-23	Quantum	3/25/2022	7.4	<1.0	<1.0	<1.0	<1.0	<1.0	212
MW-23	ERO	1/24/2023	5.0	<1.00	<1.00	<1.00	<1.00	<1.00	238
MW-23	ERO	4/24/2023	4.12	0.599 J	0.127 J	<1.00	<1.00	<1.00	199
MW-23	ERO	7/12/2023	2.99	<1.00	<1.00	<1.00	<1.00	<1.00	187
MW-23	ERO	10/16/2023	3.4	<1.00	<1.00	<1.00	<1.00	<1.00	211
MW-23	ERO	1/23/2024	3.71	<1.00	<1.00	<1.00	<1.00	<1.00	208
MW-23	ERO	4/23/2024	5.08	<1.00	<1.00	<1.00	<1.00	<1.00	207
MW-23D 31-33.5'	LTE	11/8/2016	**608**	<5.0	<5.0	<5.0	<5.0	<5.0	--
MW-23D 31-33.5'	Quantum	12/10/2021	**170**	3.1	1.6	<1.0	<1.0	<1.0	--
MW-23D 31-33.5'	Quantum	3/25/2022	**71**	2.2	2.4	<1.0	<1.0	<1.0	--
MW-23D 31-33.5'	ERO	1/24/2023	**121**	2.8	1.7	<1.00	<1.00	<1.00	--
MW-23D 31-33.5'	ERO	4/24/2023	**103**	2.63	2.43	<1.00	<1.00	<1.00	--
MW-23D 31-33.5'	ERO	7/14/2023	**310**	3.96	4.08	<1.00	<1.00	<1.00	--
MW-23D 31-33.5'	ERO	10/16/2023	**192**	3.02	3.1	<1.00	<1.00	<1.00	--
MW-23D 31-33.5'	ERO	1/23/2024	**139**	2.72	2.92	<1.00	<1.00	<1.00	--
MW-23D 31-33.5'	ERO	4/23/2024	**145**	4.35	4.12	<1.00	<1.00	<1.00	--
MW-23D 35-40'	LTE	10/25/2016	**3,930**	**22**	13	<5.0	<5.0	<5.0	--
MW-23D 41-46'	LTE	10/25/2016	**1,480**	**9.5**	23	<5.0	<5.0	<5.0	--
MW-23D 47-52'	LTE	11/8/2016	**2,090**	**15**	36	<5.0	<5.0	<5.0	--
MW-23D 47-52'	Quantum	12/10/2021	**150**	**16**	17	<1.0	<1.0	<1.0	--
MW-23D 47-52'	Quantum	3/25/2022	**100**	**9.8**	7.5	<1.0	<1.0	<1.0	--
MW-23D 47-52'	ERO	1/24/2023	**190**	**12.8**	5.0	<1.00	<1.00	<1.00	--
MW-23D 47-52'	ERO	4/24/2023	**181**	**10.1**	4.31 J	<10.0	<10.0	<10.0	--
MW-23D 47-52'	ERO	7/13/2023	**--**	--	--	--	--	--	--
MW-23D 47-52'	ERO	7/19/2023	**102**	4.99	1.37	<1.0	<1.0	<1.0	--
MW-23D 47-52'	ERO	7/19/2023	**136**	**7.62**	3.12	<1.0	<1.0	<1.0	--
MW-23D 47-52'	ERO	10/16/2023	**149**	**8.49**	2.55	<1.0	<1.0	<1.0	--
MW-23D 47-52'	ERO	1/23/2024	**136**	4.55 J	<10.0	<10.0	<10.0	<10.0	--
MW-23D 47-52'	ERO	4/23/2024	**152**	7.05 J	1.55 J	<10.0	<10.0	<10.0	--
MW-23D 56.5-61.5'	LTE	10/26/2016	**1,260**	**7.7**	8.0	<5.0	<5.0	<5.0	--
MW-23D 56.5-61.5'	Quantum	12/10/2021	**440**	**9.7**	<1.0	<1.0	<1.0	<1.0	--
MW-23D 56.5-61.5'	Quantum	3/25/2022	**140**	**5.3**	<1.0	<1.0	<1.0	<1.0	--
MW-23D 56.5-61.5'	ERO	1/24/2023	**182**	**6.8**	0.287 J	<1.00	<1.00	<1.00	--
MW-23D 56.5-61.5'	ERO	4/24/2023	**186**	**6.01 J**	<10.0	<10.0	<10.0	<10.0	--
MW-23D 56.5-61.5'	ERO	7/14/2023	**94.2**	3.13 J	<10.0	<10.0	<10.0	<10.0	--
MW-23D 56.5-61.5'	ERO	10/16/2023	**166**	3.97	0.147 J	<1.00	<1.00	<1.00	--
MW-23D 56.5-61.5'	ERO	1/23/2024	**131**	4.76	<1.00	<1.00	<1.00	<1.00	--
MW-23D 56.5-61.5'	ERO	4/23/2024	**180**	4.75	<1.00	<1.00	<1.00	<1.00	--
MW-23D 64-74'	LTE	11/8/2016	**51**	<0.5	<0.5	<0.5	<0.5	<0.5	--
MW-23D 64-74'	Quantum	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-23D 64-74'	ERO	1/24/2023	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-23D 64-74'	ERO	4/24/2023	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-23D 64-74'	ERO	7/12/2023	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-23D 64-74'	ERO	10/16/2023	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-23D 64-74'	ERO	1/23/2024	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-23D 64-74'	ERO	4/23/2024	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW-24	LTE	5/23/2018	**748**	**6.7**	7.7	<1.0	<1.0	<1.0	--
MW-24	R3	10/11/2018	**1,600**	**9.8**	13	<1.0	<1.0	<1.0	--
MW-24	R3	4/5/2019	**1,800**	**8.2**	11	<1.0	<1.0	<1.0	--
MW-24	R3	10/7/2019	**13,000**	**120**	5.8	<1.0	<1.0	<1.0	--
MW-24	R3	4/7/2020	**11,800**	**110**	5.8	<1.0	<1.0	<1.0	--
MW-24	R3	10/20/2020	**1,400**	**9**	12	<1.0	<1.0	<1.0	--
MW-24	Quantum	10/8/2021	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-24	ERO	1/22/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-24	ERO	4/24/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-24	ERO	7/28/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	BOS

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17[n]*	*5[n]*	*70[n]*	*140[n]*	*7[n]*	*2[n]*	*250[o]*
		Sample Date							
MW-24	ERO	10/16/2023	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-24	ERO	1/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-24	ERO	4/23/2024	BOS	BOS	BOS	BOS	BOS	BOS	BOS
MW-25	LTE	5/24/2018	**274**	**19**	2.4	<1.0	<1.0	<1.0	--
MW-25	R3	10/11/2018	**110**	**6.7**	<1.0	<1.0	<1.0	<1.0	--
MW-25	R3	4/5/2019	**110**	**7.0**	<1.0	<1.0	<1.0	<1.0	--
MW-25	R3	10/7/2019	**4,200**	**15**	2.0	<1.0	<1.0	<1.0	--
MW-25	R3	4/7/2020	**2,200**	**17**	3.0	<1.0	<1.0	<1.0	--
MW-25	R3	10/20/2020	**270**	**20**	1.9	<1.0	<1.0	<1.0	--
MW-25	Quantum	12/7/2021	**180**	**15**	1.6	<1.0	<1.0	<1.0	--
MW-25	Quantum	3/24/2022	**380**	**36**	<10	<10	<10	<10	--
MW-25	ERO	1/26/2023	**276**	**42**	3.4	0.287 J	<1.00	<1.00	--
MW-25	ERO	4/25/2023	**244**	**38.1**	2.94	0.188 J	<1.00	<1.00	--
MW-25	ERO	7/13/2023	**232**	**16.5**	<10.0	<10.0	<10.0	<10.0	--
MW-25	ERO	10/17/2023	**270**	**21.5**	<10.0	<10.0	<10.0	<10.0	--
MW-25	ERO	1/24/2024	**319**	**39.6**	4.39 J	<5.00	<5.00	<5.00	--
MW-25	ERO	4/24/2024	**228**	**23.8**	1.81 J	<5.00	<5.00	<5.00	--
MW-26D	RETTEW	3/22/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-26D	Quantum[p]	7/22/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**418**
MW-26D	Quantum[p]	8/23/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	57.6
MW-26D	Quantum[p]	10/7/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	79.4
MW-26D	Quantum	12/9/2021	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	93.2
MW-26D	Quantum	3/25/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	73.2
MW-26D	ERO	1/24/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	98.3
MW-26D	ERO	4/24/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	84.8
MW-26D	ERO	7/14/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	82.2
MW-26D	ERO	10/16/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	84.6
MW-26D	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	74.4
MW-26D	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	85.1
MW-27	RETTEW	4/4/2019	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-27	Quantum	12/6/2021	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-27	Quantum	3/22/2022	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-27	ERO	1/24/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-27	ERO	4/24/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-27	ERO	7/12/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-27	ERO	10/16/2023	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-27	ERO	1/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-27	ERO	4/23/2024	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-28	RETTEW	4/4/2019	0.668	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-28	ERO	1/24/2023	3.330	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-28	ERO	4/24/2023	2.51	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-28	ERO	7/12/2023	2.22	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-28	ERO	10/16/2023	8.68	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-28	ERO	1/23/2024	8.7	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-28	ERO	4/23/2024	6.41	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-29	RETTEW	4/4/2019	**535**	24.5	5.65	1.37	<1.0	<1.0	--
MW-29	Quantum	12/7/2021	**600**	**16**	4.8	1.4	<1.0	<1.0	--
MW-29	Quantum	3/23/2022	**770**	**130**	<1.0	<1.0	<1.0	<1.0	--
MW-29	ERO	2/20/2023	**744**	**42**	7.3	3.7	<1.00	<1.00	--
MW-29	ERO	4/25/2023	**722**	**45.3**	8.29	4.58	<1.00	<1.00	--
MW-29	ERO	7/13/2023	**900**	**34.9**	4.54 J	<20.0	<20.0	<20.0	--
MW-29	ERO	10/17/2023	**550**	**33.9**	3.33 J	<20.0	<20.0	<20.0	--
MW-29	ERO	1/24/2024	**580**	**44.1**	8.55 J	6.97 J	<10.0	<10.0	--
MW-29	ERO	4/24/2024	**831**	**36.2**	3.43 J	4.08 J	<10.0	<10.0	--
MW-30	RETTEW	4/4/2019	**177**	3.57	0.547	<1.0	<1.0	<1.0	--
MW-30	Quantum	12/7/2021	**93**	2.1	<1.0	<1.0	<1.0	<1.0	--
MW-30	Quantum	3/23/2022	**170**	**17**	<1.0	<1.0	<1.0	<1.0	--
MW-30	ERO	1/26/2023	**207**	**6**	0.948 J	<1.00	<1.00	<1.00	--
MW-30	ERO	4/25/2023	**188**	**5.55**	0.761 J	<1.00	<1.00	<1.00	--
MW-30	ERO	7/13/2023	**280**	4.47 J	<10.0	<10.0	<10.0	<10.0	--

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17 [n]*	*5 [n]*	*70 [n]*	*140 [n]*	*7 [n]*	*2 [n]*	*250 [o]*
		Sample Date							
MW-30	ERO	10/17/2023	**165**	4.41 J	<10.0	<10.0	<10.0	<10.0	--
MW-30	ERO	1/24/2024	**205**	**6.18**	0.808 J	<1.00	<1.00	<1.00	--
MW-30	ERO	4/24/2024	**268**	3.41 J	<10.0	<10.0	<10.0	<10.0	--
MW-31	RETTEW	4/4/2019	14.4	1.7	<1.0	<1.0	<1.0	<1.0	--
MW-31	Quantum	12/6/2021	**20**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-31	Quantum	3/23/2022	**29**	**11**	<1.0	<1.0	<1.0	<1.0	--
MW-31	ERO	1/25/2023	**23**	2.7	0.752 J	<1.00	<1.00	<1.00	--
MW-31	ERO	4/24/2023	14.4	3.72	0.401 J	<1.00	<1.00	<1.00	--
MW-31	ERO	7/13/2023	**45.2**	4.69	5.61	<1.00	<1.00	<1.00	--
MW-31	ERO	10/17/2023	14.3	2.2	0.288 J	<1.00	<1.00	<1.00	--
MW-31	ERO	1/23/2024	**17.5**	3.12	0.566 J	<1.00	<1.00	<1.00	--
MW-31	ERO	4/23/2024	**18.7**	**7.11**	0.422 J	<1.00			--
MW-32	Quantum	12/7/2021	4.2	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-32	Quantum	3/23/2022	6.3	2.9	<1.0	<1.0	<1.0	<1.0	--
MW-32	ERO	1/24/2023	11.5	1.6	0.253 J	<1.00	<1.00	<1.00	--
MW-32	ERO	4/24/2023	3.52	<1.00	<1.00	<1.00	<1.00	<1.00	--
MW-32	ERO	7/12/2023	14.1	1.31	0.308 J	<1.00	<1.00	<1.00	--
MW-32	ERO	10/16/2023	**17.5**	2.26	0.665 J	<1.00	<1.00	<1.00	--
MW-32	ERO	1/23/2024	**17.7**	2.44	0.794 J	<1.00	<1.00	<1.00	--
MW-32	ERO	4/23/2024	**19.7**	2.69	0.617 J	<1.00	<1.00	<1.00	--
MW-33	Quantum	12/7/2021	**64**	<1.0	<1.0	<1.0	<1.0	<1.0	--
MW-33	Quantum	3/23/2022	**66**	**5.3**	<1.0	<1.0	<1.0	<1.0	--
MW-33	ERO	1/26/2023	**46**	1.8	0.309 J	<1.00	<1.00	<1.00	--
MW-33	ERO	4/25/2023	**49**	1.51	0.192 J	<1.00	<1.00	<1.00	--
MW-33	ERO	7/13/2023	**81.4**	2.81	0.333 J	<1.00	<1.00	<1.00	--
MW-33	ERO	10/17/2023	**70**	2.08	<1.00	<1.00	<1.00	<1.00	--
MW-33	ERO	1/24/2024	**76**	2.44	0.794 J	<1.00	<1.00	<1.00	--
MW-33	ERO	4/23/2024	**88.3**	2.82	0.378 J	<1.00	<1.00	<1.00	--
MW-34	Quantum	12/7/2021	**35**	**67**	27	20	<1.0	<1.0	--
MW-34	Quantum	3/23/2022	**58**	**370**	<1.0	<1.0	<1.0	<1.0	--
MW-34	ERO	1/26/2023	**49**	**110**	39.9 J	26	<1.00	<1.00	--
MW-34	ERO	4/25/2023	**47**	**109**	39.4	26.3	<1.00	<1.00	--
MW-34	ERO	7/13/2023	**65.5**	**114**	40.6	26.7	0.53 J	0.872 J	--
MW-34	ERO	10/17/2023	**75.4**	**117**	42.4	25	0.479 J	0.39 J	--
MW-34	ERO	1/24/2024	**94.3**	**145**	39.4	27.1	0.26 J	0.236 J	--
MW-34	ERO	4/23/2024	**115**	**158**	48.6	31.2	<1.00	<1.00	--
MW-35	Quantum	12/7/2021	**290**	3.9	1.6	<1.0	<1.0	<1.0	--
MW-35	Quantum	3/23/2022	**380**	**31**	<1.0	<1.0	<1.0	<1.0	--
MW-35	ERO	1/26/2023	**311**	**9.0**	2.5	<1.00	<1.00	<1.00	--
MW-35	ERO	1/26/2023	**352**	**8.9**	2.4	<1.00	<1.00	<1.00	--
MW-35	ERO	4/25/2023	**286**	**6.57**	1.83	<1.00	<1.00	<1.00	--
MW-35	ERO	7/13/2023	**222**	2.46 J	<10.0	<10.0	<10.0	<10.0	--
MW-35	ERO	10/17/2023	**91.8**	1.97	0.532 J	<1.00	<1.00	<1.00	--
MW-35	ERO	1/24/2024	**258**	**7.04**	2.5	0.175 J	<1.00	<1.00	--
MW-35	ERO	4/24/2024	**174**	4.03	0.989 J	<1.00	<1.00	<1.00	--
TMW-10	RETTEW	3/8/2019	9.69	1.24	<1.0	<1.0	<1.0	<1.0	--
TMW-2	RETTEW	3/8/2019	**122**	4.69	0.913	<1.0	<1.0	<1.0	--
TMW-3	RETTEW	3/7/2019	**595**	**9.16**	4.87	<1.0	<1.0	<1.0	--
TMW-4	RETTEW	3/8/2019	**787**	**31.9**	8.83	1.95	<1.0	<1.0	--
TMW-5	RETTEW	3/7/2019	**824**	**25.0**	9.48	<1.0	<1.0	<1.0	--
TMW-7	RETTEW	3/7/2019	**70.8**	2.44	<1.0	<1.0	<1.0	<1.0	--

Shaded - Most recent sampling

Blue highlighted cell indicates that the constituent was detected in the water sample at a concentration greater than the lab reporting limit

Bold value indicates that the constituent was detected in the water sample at a concentration greater than the CBGWS

DRY = Well is dry at time of sampling event

NA = Well was inaccessible at the time of sampling event

ual to the laboratory reporting limit. Associated value is the laboratory reporting limit for that constituent, in that water sample.

[a] µg/L = micrograms per liter

Table 8. Historical groundwater sample results.

Well ID	Contractor	Constituent	Tetrachloroethene	Trichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Vinyl Chloride	Chloride
		Units	µg/L[a]	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L[b]
		Method	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*8260B/ 8260C*	*325.3*
		CGS	*17*[n]	*5*[n]	*70*[n]	*140*[n]	*7*[n]	*2*[n]	*250*[o]
		Sample Date							

[b] mg/L = milligrams per liter

reedom Environmental Constultants, Inc.

[f] LTE = LT Environmental, Inc.

Remediation Risk Reduction, LLC

TTEW = Rettew Associates, Inc.

m = Quantum Water & Environment

[h] ND = no detection

not reported in previous reports

/ater sample was not analyzed for the constituent indicated.

ommission Regulation No. 41: The Basic Standards for Ground Water, Table A (June 30, 2020).

rt of Post-Injection Monitoring after BOS-100 injections.

r Quality Control Commission Regulation No. 41: The Basic Standards for Ground Water, Table 2 - Domestic Water Supply Well - D

Appendix A Field Sheets

Groundwater Sample Field Data Sheet

Sample Identification No. MW-01

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS / JR

Well Information

Well No: MW-01 Well Dia. (in) 2
Screen Interval Depth: 10-30
Total Well Depth: 29.06

Well Purging Information

Date and time of Well Purging: 1/23/24 0905
Depth to Water Level (ft-below TOC): 9.08
Well Casing Volume (gallons): 3.16
Volume to be Evacuated During Purging (gallons): 9.48
Total volume purged (gallons) 7 → DM

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0910	0920	0930			
Volume (gallons)		0.5	3	6			
pH (SI units) .....+/-0.2		7.37	7.41	[illegible]			
Temperature (°C) .....+/-3%		17.5	17.0	16.6			
SC (umhos/cm) .....+/-3%		3644	3803	4216			
ORP (milivlts) .....+/-20		185.2	176	165			
DO (mg/l) .....+/-10%		1.43	3.12	1.77			
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1015

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-02

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW02 Well Dia. (in) 2"
Screen Interval Depth: 20
Total Well Depth: 29

Well Purging Information

Date and time of Well Purging: 1/24/24 1230
Depth to Water Level (ft-below TOC): 19.32
Well Casing Volume (gallons): 1.5
Volume to be Evacuated During Purging (gallons): 4.6
Total volume purged (gallons) 0.75

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1230	1235	1240	1245		
Volume (gallons)		0	0.25	0.5	0.75		
pH (SI units) .....+/-0.2		7.09	7.09	7.09	7.08		
Temperature (°C) .....+/-3%		16.1	16.9	16.9	17.0		
SC (umhos/cm) .....+/-3%		6413	6447	6353	6313		
ORP (milivlts) .....+/-20		124.3	109.7	101.7	96.1		
DO (mg/l) .....+/-10%		0.34	0.64	0.43	0.35		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1245

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-03

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-03 Well Dia. (in) 2"
Screen Interval Depth: 25
Total Well Depth: 29

Well Purging Information

Date and time of Well Purging: 1/24/24 0851
Depth to Water Level (ft-below TOC): 12.63
Well Casing Volume (gallons): 2.6
Volume to be Evacuated During Purging (gallons): 7.9
Total volume purged (gallons) 2

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0851	0856	0901	0906		
Volume (gallons)		0	0.5	1	2		
pH (SI units) .....+/-0.2		7.27	7.16	7.14	7.15		
Temperature (°C) .....+/-3%		15.8	17.0	16.9	16.7		
SC (umhos/cm) .....+/-3%		4896	4871	4797	4813		
ORP (milivlts) .....+/-20		111.9	112.6	109.2	108.1		
DO (mg/l) .....+/-10%		1.85	2.48	2.06	1.99		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 0906

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-04

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-04 Well Dia. (in) 2"
Screen Interval Depth: 20
Total Well Depth: 29

Well Purging Information

Date and time of Well Purging: 1/24/24 0913
Depth to Water Level (ft-below TOC): 11.34
Well Casing Volume (gallons): 2.8
Volume to be Evacuated During Purging (gallons): 8.5
Total volume purged (gallons) ____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0913	0918	0923	0928		
Volume (gallons)		0	0.25	0.5	1		
pH (SI units) .....+/-0.2		7.57	7.40	7.34	7.33		
Temperature (°C) .....+/-3%		15.8	16.1	16.1	16.0		
SC (umhos/cm) .....+/-3%		2415	2469	2384	2364		
ORP (milivlts) .....+/-20		25.0	24.9	51.7	63.7		
DO (mg/l) .....+/-10%		4.70	3.92	3.06	2.40		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 0928

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40mlVOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-05

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS / JR

Well Information

Well No: MW-05 Well Dia. (in) 2

Screen Interval Depth: 10-40

Total Well Depth: 40

Well Purging Information

Date and time of Well Purging: 1/23/24 0945

Depth to Water Level (ft-below TOC): 18.32

Well Casing Volume (gallons): 3.5

Volume to be Evacuated During Purging (gallons): 10.6

Total volume purged (gallons) 6 → DRY

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0952	1000	1010			
Volume (gallons)		0.5	2	4			
pH (SI units) .....+/-0.2		6.83	6.83	6.85			
Temperature (°C) .....+/-3%		16.6	17.3	17.6			
SC (umhos/cm) .....+/-3%		7267	0311	7374			
ORP (milivlts) .....+/-20		148	137	108			
DO (mg/l) .....+/-10%		4.15	3.49	4.47			
DTW		black	black	black			
Color							

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1025

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-06

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/SK

Well Information

Well No: MW-06 Well Dia. (in) 2"
Screen Interval Depth: 20
Total Well Depth: 26

Well Purging Information

Date and time of Well Purging: 1/24/24 1325
Depth to Water Level (ft-below TOC): 16.50
Well Casing Volume (gallons): 1.5
Volume to be Evacuated During Purging (gallons): 4.6
Total volume purged (gallons) 0.75

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1325	1330	1335	1340		
Volume (gallons)		0	0.25	0.5	0.75		
pH (SI units) .....+/-0.2		7.17	7.16	7.17	7.17		
Temperature (°C) .....+/-3%		16.8	17.3	17.4	17.3		
SC (umhos/cm) .....+/-3%		5446	5464	5502	5480		
ORP (milivlts) .....+/-20		133.6	124.0	111.5	105.2		
DO (mg/l) .....+/-10%		0.80	0.61	0.13	0.16		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1340

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-08

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-08 Well Dia. (in) 2"

Screen Interval Depth: 20

Total Well Depth: 29

Well Purging Information

Date and time of Well Purging: 1/23/24 1205

Depth to Water Level (ft-below TOC): 10.49

Well Casing Volume (gallons): 3

Volume to be Evacuated During Purging (gallons): 8.9

Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1205	1210	1215	1220		
Volume (gallons)		0	0.5	1	1.5		
pH (SI units) .....+/-0.2		7.32	7.21	7.22	7.21		
Temperature (°C) .....+/-3%		14.4	15.4	15.4	15.3		
SC (umhos/cm) .....+/-3%		5404	5405	5262	5143		
ORP (milivlts) .....+/-20		92.7	95.1	92.5	90.8		
DO (mg/l) .....+/-10%		0.53	0.84	0.56	0.47		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1220

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-09

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-09 Well Dia. (in) 2"
Screen Interval Depth: 10
Total Well Depth: 20

Well Purging Information

Date and time of Well Purging: 1/24/24 1353
Depth to Water Level (ft-below TOC): 16.72
Well Casing Volume (gallons): 1
Volume to be Evacuated During Purging (gallons): 3
Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1353	1358	1403	1408		
Volume (gallons)		0	0.5	1			
pH (SI units) .....+/-0.2		7.18	6.88	7.15	7.03		
Temperature (°C) .....+/-3%		17.2	17.6	16.6	15.8		
SC (umhos/cm) .....+/-3%		5769	3246	5570	5582		
ORP (milivlts) .....+/-20		118.1	112.0	114.5	112.7		
DO (mg/l) .....+/-10%		3.77	1.93	1.44	1.13		
DTW		—	—	—	—		
Color		turbid brown	same	same	same		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1408

Sampling Method (circle): Bailer ~~Peristaltic Pump~~ Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40 ml VOA	6	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: MW-09 DUP @ 1/24/24 1408

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-10

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-10 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 1/23/24 0940
Depth to Water Level (ft-below TOC): 12.52
Well Casing Volume (gallons): 2
Volume to be Evacuated During Purging (gallons): 6
Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0946	0945	0950	0955		
Volume (gallons)		0	0.5	1	1.5		
pH (SI units) .....+/-0.2		6.73	6.89	6.81	6.80		
Temperature (°C) .....+/-3%		16.0	16.7	16.6	16.7		
SC (umhos/cm) .....+/-3%		10415	3159	2658	3788		
ORP (milivlts) .....+/-20		128.8	117.0	121.8	126.4		
DO (mg/l) .....+/-10%		5.94	6.51	6.53	6.43		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 0955

Sampling Method (circle): Bailer ~~Peristaltic Pump~~ Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-11

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-11 Well Dia. (in) 2

Screen Interval Depth: 15

Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 1/24/24 1355

Depth to Water Level (ft-below TOC): 14.53

Well Casing Volume (gallons):

Volume to be Evacuated During Purging (gallons):

Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1400	1403	1406			
Volume (gallons)		0.1	0.5	1.0			
pH (SI units) .....+/-0.2		7.13	7.07	7.06			
Temperature (°C) .....+/-3%		17.8	18.0	18.0			
SC (umhos/cm) .....+/-3%		1611	1484	1870			
ORP (milivlts) .....+/-20		109	108	109			
DO (mg/l) .....+/-10%		0.4	0.39	0.49			
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: 1/24/22 1410

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-12R

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-12R Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 24.5

Well Purging Information

Date and time of Well Purging: 1/24/24 1208
Depth to Water Level (ft-below TOC): 14.27
Well Casing Volume (gallons): 1.6
Volume to be Evacuated During Purging (gallons): 4.9
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1208	1213	1218	1223		
Volume (gallons)		0	0.25	0.5	1		
pH (SI units) .....+/-0.2		8.13	8.23	8.18	8.17		
Temperature (°C) .....+/-3%		16.5	16.7	16.6	16.1		
SC (umhos/cm) .....+/-3%		1021	825	815	828		
ORP (milivlts) .....+/-20		95.6	84.7	77.1	71.2		
DO (mg/l) .....+/-10%		0.76	0.73	0.54	0.47		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1223

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (OCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-13

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-13 Well Dia. (in) 2
Screen Interval Depth: 15
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 1/24/24 1325
Depth to Water Level (ft-below TOC): 19.06
Well Casing Volume (gallons):
Volume to be Evacuated During Purging (gallons):
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1330	1333	1336			
Volume (gallons)		0.1	0.5	1.0			
pH (SI units) .....+/-0.2		6.94	6.94	6.94			
Temperature (°C) .....+/-3%		16.8	16.8	16.8			
SC (umhos/cm) .....+/-3%		6522	6523	6520			
ORP (milivlts) .....+/-20		125	123	123			
DO (mg/l) .....+/-10%		1.20	0.24	0.24			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1345

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOA	3	HCl	VOCs
125 ML	1		Chloride

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-14

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-14 Well Dia. (in) 2
Screen Interval Depth: 15
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 11/24/22 1305
Depth to Water Level (ft-below TOC): 19.52
Well Casing Volume (gallons):
Volume to be Evacuated During Purging (gallons):
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1303	1307	1310			
Volume (gallons)		0.1	0.5	1.0			
pH (SI units) .....+/-0.2		6.83	6.83	6.79			
Temperature (°C) .....+/-3%		16.0	16.4	16.4			
SC (umhos/cm) .....+/-3%		6381	6223	6097			
ORP (milivlts) .....+/-20		115	117	118			
DO (mg/l) .....+/-10%		0.50	0.23	0.24			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 11/24/22 1315

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
Vials	3	HCl	VOCs
125 mL	1	—	Chloride

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-15

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-15 Well Dia. (in) 2

Screen Interval Depth: 5'

Total Well Depth: 24.5'

Well Purging Information

Date and time of Well Purging: 1/24/24 1240

Depth to Water Level (ft-below TOC): 20.01

Well Casing Volume (gallons):

Volume to be Evacuated During Purging (gallons):

Total volume purged (gallons)

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1240	1243	1245			
Volume (gallons)		0.1	0.5	1.0			
pH (SI units) .....+/-0.2		6.84	6.88	6.88			
Temperature (°C) .....+/-3%		16.2	16.4	16.5			
SC (umhos/cm) .....+/-3%		6472	6020	5489			
ORP (milivlts) .....+/-20		124	123	123			
DO (mg/l) .....+/-10%		0.21	0.1	0.2			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1248

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs
125 mL	1		chloride

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-16

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-16 Well Dia. (in) 2

Screen Interval Depth: 5

Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 1/24/24 1215

Depth to Water Level (ft-below TOC): 18.05

Well Casing Volume (gallons):

Volume to be Evacuated During Purging (gallons):

Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1215	1220	1225			
Volume (gallons)		0.1	0.5	1.0			
pH (SI units) .....+/-0.2		7.15	6.76	6.81			
Temperature (°C) .....+/-3%		15.9	16.2	16.2			
SC (umhos/cm) .....+/-3%		6102	5129	5374			
ORP (milivlts) .....+/-20		103	113	117			
DO (mg/l) .....+/-10%		0.33	0.34	0.34			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1230

Sampling Method (circle): ~~Bailer~~ Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	6	HCl	VOAs

Associated QA/QC Samples: MW-16 Dup 1232

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-17

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-17 Well Dia. (in) 2"
Screen Interval Depth: 5
Total Well Depth: 24.5

Well Purging Information

Date and time of Well Purging: 1/23/24 1005
Depth to Water Level (ft-below TOC): 13.18
Well Casing Volume (gallons): 1.8
Volume to be Evacuated During Purging (gallons): 5.4
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1005	1010	1015	1020		
Volume (gallons)		0	0.25	0.75	1		
pH (SI units) .....+/-0.2		7.29	7.28	7.34	7.35		
Temperature (°C) .....+/-3%		15.5	16.5	16.6	16.9		
SC (umhos/cm) .....+/-3%		3601	3366	2820	2764		
ORP (milivlts) .....+/-20		114.9	113.5	113.1	114.8		
DO (mg/l) .....+/-10%		1.31	0.94	2.89	3.05		
DTW		~~dtr~~	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1020

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (OCC)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-18

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-18 Well Dia. (in) 2

Screen Interval Depth: 15

Total Well Depth: 23

Well Purging Information

Date and time of Well Purging: 1/23/24

Depth to Water Level (ft-below TOC): 17.23

Well Casing Volume (gallons):

Volume to be Evacuated During Purging (gallons):

Total volume purged (gallons)

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units)	+/-0.2						
Temperature (°C)	+/-3%						
SC (umhos/cm)	+/-3%						
ORP (milivlts)	+/-20						
DO (mg/l)	+/-10%						
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection:

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples:

Comments/Observations

contains BOS

Groundwater Sample Field Data Sheet

Sample Identification No. MW-19

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-19 Well Dia. (in) 2

Screen Interval Depth: 10

Total Well Depth: 21.35

Well Purging Information

Date and time of Well Purging: 1/23/24

Depth to Water Level (ft-below TOC): 12.06

Well Casing Volume (gallons):

Volume to be Evacuated During Purging (gallons):

Total volume purged (gallons)

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units) .....+/-0.2							
Temperature (°C) .....+/-3%							
SC (umhos/cm) .....+/-3%							
ORP (milivlts) .....+/-20							
DO (mg/l) .....+/-10%							
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection:

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples:

Comments/Observations

Contains BOS

Groundwater Sample Field Data Sheet

Sample Identification No. MW-20

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-20 Well Dia. (in) 2

Screen Interval Depth: 10

Total Well Depth: 23

Well Purging Information

Date and time of Well Purging: 1/23/24

Depth to Water Level (ft-below TOC): 14.49

Well Casing Volume (gallons):

Volume to be Evacuated During Purging (gallons):

Total volume purged (gallons)

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units) .....+/-0.2							
Temperature (°C) .....+/-3%							
SC (umhos/cm) .....+/-3%							
ORP (milivlts) .....+/-20							
DO (mg/l) .....+/-10%							
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection:

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples:

Comments/Observations

Contains BOS

Groundwater Sample Field Data Sheet

Sample Identification No. MW-21

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-21 Well Dia. (in) 2"

Screen Interval Depth: 15

Total Well Depth: 22

Well Purging Information

Date and time of Well Purging: 1/23/24 1058

Depth to Water Level (ft-below TOC): 7.78

Well Casing Volume (gallons): 2.3

Volume to be Evacuated During Purging (gallons): 6.8

Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1058	1103	1108	1113		
Volume (gallons)		0	0.5	1	1.5		
pH (SI units) .....+/-0.2		7.13	7.00	7.01	7.00		
Temperature (°C) .....+/-3%		13.9	14.9	14.2	14.7		
SC (umhos/cm) .....+/-3%		6040	6161	6088	6125		
ORP (milivlts) .....+/-20		130.9	130.9	121.3	-29.1		
DO (mg/l) .....+/-10%		1.61	1.78	2.65	2.17		
DTW		—	—	—	—		
Color		clear	clear	turbid grey	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1113

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-22 Well Dia. (in) 2"
Screen Interval Depth: —
Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 1/23/24 1125
Depth to Water Level (ft-below TOC): 18.89
Well Casing Volume (gallons): 0.8
Volume to be Evacuated During Purging (gallons): 2.5
Total volume purged (gallons) 0.75

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1125	1130	1135	1140		
Volume (gallons)		0	0.25	0.5	0.75		
pH (SI units) .....+/-0.2		7.32	7.29	7.31	7.29		
Temperature (°C) .....+/-3%		14.2	15.0	15.2	15.2		
SC (umhos/cm) .....+/-3%		4617	4657	4609	4580		
ORP (milivlts) .....+/-20		75.0	76.5	85.8	94.1		
DO (mg/l) .....+/-10%		0.88	1.67	2.04	2.37		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1140

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 30-35

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-22D 30-35 Well Dia. (in) 2

Screen Interval Depth: 5

Total Well Depth: 35

Well Purging Information

Date and time of Well Purging: 1/24/24 1030

Depth to Water Level (ft-below TOC): 14.73

Well Casing Volume (gallons): 3.31

Volume to be Evacuated During Purging (gallons): 9.93

Total volume purged (gallons) 5.5 → Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1005	1010	1015			
Volume (gallons)		0.5	3	5			
pH (SI units) .....+/-0.2		7.11	6.91	6.89			
Temperature (°C) .....+/-3%		17.8	17.2	16.9			
SC (umhos/cm) .....+/-3%		6215	6429	6649			
ORP (milivlts) .....+/-20		130	131	131			
DO (mg/l) .....+/-10%		3.80	2.25	1.72			
DTW							
Color		clear	clear	Turbid			

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1040

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-220 35-40

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-220 35-40 Well Dia. (in) 2

Screen Interval Depth: 5

Total Well Depth: 40

Well Purging Information

Date and time of Well Purging: 1/24/24 1020

Depth to Water Level (ft-below TOC): 15.00

Well Casing Volume (gallons): 4.08

Volume to be Evacuated During Purging (gallons): 12.24

Total volume purged (gallons) 6 → DRY

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1020	1025	1030			
Volume (gallons)		0.5	2	4			
pH (SI units) .....+/-0.2		7.06	7.04	6.94			
Temperature (°C) .....+/-3%		17.7	17.5	17.0			
SC (umhos/cm) .....+/-3%		5556	5536	5739			
ORP (milivlts) .....+/-20		126	126	127			
DO (mg/l) .....+/-10%		2.98	2.97	1.85			
DTW							
Color		Clear	Turbid	Turbid			

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1100

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 41-46

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAJ

Well Information

Well No: MW-22D 41-46 Well Dia. (in) 2

Screen Interval Depth: 5

Total Well Depth: 46

Well Purging Information

Date and time of Well Purging: 1/24/24 0945

Depth to Water Level (ft-below TOC): 17.41

Well Casing Volume (gallons): 4.66

Volume to be Evacuated During Purging (gallons): 13.98

Total volume purged (gallons) 6 → Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0950	0953	1000			
Volume (gallons)		0.5	2	5			
pH (SI units) .....+/-0.2		6.91	6.77	6.76			
Temperature (°C) .....+/-3%		17.2	16.7	16.3			
SC (umhos/cm) .....+/-3%		6556	6710	6731			
ORP (milivlts) .....+/-20		126	116	126			
DO (mg/l) .....+/-10%		2.95	1.96	1.12			
DTW							
Color		Beige	Beige	Beige			

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1045

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	6	HCl	VOCs

Associated QA/QC Samples: MW-22D 41-46 Dup 1048

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 48-53

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-22D 48-53 Well Dia. (in) 2

Screen Interval Depth: 5

Total Well Depth: 53

Well Purging Information

Date and time of Well Purging: 1/24/23 1005

Depth to Water Level (ft-below TOC): 17.47

Well Casing Volume (gallons): 5.43

Volume to be Evacuated During Purging (gallons): 16.29

Total volume purged (gallons) 7 5 DRY

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1010	1015	1025			
Volume (gallons)		0.5	3	6			
pH (SI units) .....+/-0.2		6.90	6.74	6.74			
Temperature (°C) .....+/-3%		16.8	16.2	16.3			
SC (umhos/cm) .....+/-3%		6918	6972	6991			
ORP (milivlts) .....+/-20		128	134	135			
DO (mg/l) .....+/-10%		4.32	3.60	2.23			
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1000

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 55-60

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-22D 55-60 Well Dia. (in) 2

Screen Interval Depth: 5

Total Well Depth: 60

Well Purging Information

Date and time of Well Purging: 1/24/24 1045

Depth to Water Level (ft-below TOC): 26.30

Well Casing Volume (gallons): 5.5

Volume to be Evacuated During Purging (gallons): 16.5

Total volume purged (gallons) 16.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1045	1112	1122			
Volume (gallons)		0.5	5.5	11.0			
pH (SI units) .....+/-0.2		6.69	6.73	6.71			
Temperature (°C) .....+/-3%		17.7	16.9	16.7			
SC (umhos/cm) .....+/-3%		6982	6982	6971			
ORP (milivlts) .....+/-20		141.1	136.1	130.3			
DO (mg/l) .....+/-10%		1.40	1.19	1.26			
DTW							
Color		clr	clr	clr			

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1140

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 72.5-75

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS / SR

Well Information

Well No: MW-22D 72.5-75 Well Dia. (in) 2

Screen Interval Depth: 1.5

Total Well Depth: 75

Well Purging Information

Date and time of Well Purging: 1/23/24 1150

Depth to Water Level (ft-below TOC): Dry

Well Casing Volume (gallons):

Volume to be Evacuated During Purging (gallons):

Total volume purged (gallons)

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units)	+/-0.2						
Temperature (°C)	+/-3%						
SC (umhos/cm)	+/-3%						
ORP (milivlts)	+/-20						
DO (mg/l)	+/-10%						
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection:

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples:

Comments/Observations Dry

Groundwater Sample Field Data Sheet

Sample Identification No. MW-23

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-23 Well Dia. (in) 2"
Screen Interval Depth: —
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 1/23/24 1337
Depth to Water Level (ft-below TOC): 17.13
Well Casing Volume (gallons): 1.3
Volume to be Evacuated During Purging (gallons): 3.8
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1337	1342	1347	1352		
Volume (gallons)		0	0.25	0.75	1		
pH (SI units) .....+/-0.2		7.17	7.15	6.92	6.88		
Temperature (°C) .....+/-3%		16.3	17.1	17.5	17.4		
SC (umhos/cm) .....+/-3%		6480	6666	6600	6573		
ORP (milivlts) .....+/-20		115.3	115.2	113.9	112.6		
DO (mg/l) .....+/-10%		2.86	2.15	1.38	1.17		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1352

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40 ml VOA	3	HCl	VOCs 8260 (DCL)
125 ml poly	1	—	chloride

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-23D 31-33.5

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-23D 31-33.5 Well Dia. (in) 2

Screen Interval Depth: 2.5

Total Well Depth: 33.5

Well Purging Information

Date and time of Well Purging: 1/23/24 1400

Depth to Water Level (ft-below TOC): 18.62

Well Casing Volume (gallons): 2.43

Volume to be Evacuated During Purging (gallons): 7.29

Total volume purged (gallons) 2.25 → Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1402	1405	1410			
Volume (gallons)		0.5	1.25	2			
pH (SI units) .....+/-0.2		7.15	6.96	7.05			
Temperature (°C) .....+/-3%		17.2	16.8	16.3			
SC (umhos/cm) .....+/-3%		7142	7128	7196			
ORP (milivlts) .....+/-20		82	88	86			
DO (mg/l) .....+/-10%		2.11	1.61	2.03			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1420

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-23D 47-52

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-23D 47-52 Well Dia. (in) 2

Screen Interval Depth: 5'

Total Well Depth: ~~47~~ 52

Well Purging Information

Date and time of Well Purging: 1/23/24 1210

Depth to Water Level (ft-below TOC): 21.02

Well Casing Volume (gallons): 3.06

Volume to be Evacuated During Purging (gallons): 15.18

Total volume purged (gallons) 6 → Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1210	1215	1220			
Volume (gallons)		0.5	2.5	5			
pH (SI units) .....+/-0.2		7.17	7.23	7.25			
Temperature (°C) .....+/-3%		16.5	16.2	16.1			
SC (umhos/cm) .....+/-3%		6421	6300	5771			
ORP (milivlts) .....+/-20		44	43	44			
DO (mg/l) .....+/-10%		0.47	0.73	2.01			
DTW							
Color		clear	turbid	turbid			

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1324

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VoAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-23D 56.5-61.5

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS

Well Information

Well No: MW-23D 56.5-61.5 Well Dia. (in) 2

Screen Interval Depth: 56-61

Total Well Depth: 61.5

Well Purging Information

Date and time of Well Purging: 1/23/24 1330

Depth to Water Level (ft-below TOC): 34.28

Well Casing Volume (gallons): 4.44

Volume to be Evacuated During Purging (gallons): 13.32

Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1334	1342	1347			
Volume (gallons)		0.5	4.5	6.0			
pH (SI units) .....+/-0.2		6.76	6.80	6.42			
Temperature (°C) .....+/-3%		16.7	15.8	16.8			
SC (umhos/cm) .....+/-3%		2006	7024	7084			
ORP (milivlts) .....+/-20		79.6	87.8	91.0			
DO (mg/l) .....+/-10%		2.44	1.60	1.58			
DTW							
Color		clr	sl. turbid	sl. turbid			

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1350

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples: _____

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-23D 64-74

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CJS/JR

Well Information

Well No: MW-23D 64-74 Well Dia. (in) 2

Screen Interval Depth: 10

Total Well Depth: 74

Well Purging Information

Date and time of Well Purging: 1/23/24 1200

Depth to Water Level (ft-below TOC): Dry

Well Casing Volume (gallons):

Volume to be Evacuated During Purging (gallons):

Total volume purged (gallons)

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units)	+/-0.2						
Temperature (°C)	+/-3%						
SC (umhos/cm)	+/-3%						
ORP (milivlts)	+/-20						
DO (mg/l)	+/-10%						
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection:

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples:

Comments/Observations

Dry

Groundwater Sample Field Data Sheet

Sample Identification No. MW-24

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-24 Well Dia. (in) 2
Screen Interval Depth: NA
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 1/23/24
Depth to Water Level (ft-below TOC): 12.43
Well Casing Volume (gallons):
Volume to be Evacuated During Purging (gallons):
Total volume purged (gallons)

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units)	+/-0.2						
Temperature (°C)	+/-3%						
SC (umhos/cm)	+/-3%						
ORP (milivlts)	+/-20						
DO (mg/l)	+/-10%						
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection:

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples:

Comments/Observations

Contains BOS

Groundwater Sample Field Data Sheet

Sample Identification No. MW-25

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-25 Well Dia. (in) 2"
Screen Interval Depth: —
Total Well Depth: 12.5

Well Purging Information

Date and time of Well Purging: 1/24/24 1121
Depth to Water Level (ft-below TOC): 10.18
Well Casing Volume (gallons): 0.4
Volume to be Evacuated During Purging (gallons): 1.1
Total volume purged (gallons) 0.75

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1121	1126	1131	1136		
Volume (gallons)		0	0.25	0.5	0.75		
pH (SI units) .....+/-0.2		6.70	6.74	6.83	6.87		
Temperature (°C) .....+/-3%		14.1	14.1	14.2	14.2		
SC (umhos/cm) .....+/-3%		6274	6311	6211	6110		
ORP (milivlts) .....+/-20		131.7	120.4	81.0	75.0		
DO (mg/l) .....+/-10%		1.92	1.60	0.83	0.74		
DTW		—	—	—	—		
Color		mud turb brown	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1136

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-26D

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS/JR

Well Information

Well No: MW-26D Well Dia. (in) 2
Screen Interval Depth: 45-55'
Total Well Depth: 55'

Well Purging Information

Date and time of Well Purging: 1/23/24 1040
Depth to Water Level (ft-below TOC): 13.14
Well Casing Volume (gallons): 6.83
Volume to be Evacuated During Purging (gallons): 20.49
Total volume purged (gallons) 18 → Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1040	1050	1058	1119		
Volume (gallons)		0.5	5.0	10.0	15.0		
pH (SI units) .....+/-0.2		7.04	7.06	7.14	7.03		
Temperature (°C) .....+/-3%		14.7	14.5	14.6	15.4		
SC (umhos/cm) .....+/-3%		6877	6662	6961	7022		
ORP (milivlts) .....+/-20		-97.1	-97.2	-35.8	34.4		
DO (mg/l) .....+/-10%		2.44	2.11	2.34	1.93		
DTW							
Color		clr	sl. turbid	sl. turbid	sl. turbid		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1130

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
8 VOAs 125ml	3	HCl	VOCs
	1	-	Chloride

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-27

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-27 Well Dia. (in) 2"
Screen Interval Depth: 15'
Total Well Depth: 25'

Well Purging Information

Date and time of Well Purging: 1/23/24 0915
Depth to Water Level (ft-below TOC): 11.77
Well Casing Volume (gallons): 2.11
Volume to be Evacuated During Purging (gallons): 6.4
Total volume purged (gallons) 1.25

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0915	0920	0925	0930		
Volume (gallons)		0	0.5	0.75	1.25		
pH (SI units) .....+/-0.2		6.95	7.03	7.02	6.93		
Temperature (°C) .....+/-3%		16.5	17.2	17.2	17.1		
SC (umhos/cm) .....+/-3%		8148	8245	7732	7379		
ORP (milivlts) .....+/-20		119.9	112.5	107.6	106.9		
DO (mg/l) .....+/-10%		0.48	0.82	0.62	0.62		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 0930

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	8260 VOC (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-28

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-28 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 1/23/24 1416
Depth to Water Level (ft-below TOC): 12.60
Well Casing Volume (gallons): 2
Volume to be Evacuated During Purging (gallons): 6
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1410	1415	1420	1425		
Volume (gallons)		0	0.5	1	1.5		
pH (SI units) .....+/-0.2		6.86	6.89	6.97	6.97		
Temperature (°C) .....+/-3%		16.1	17.3	17.3	17.3		
SC (umhos/cm) .....+/-3%		6244	6178	6046	6016		
ORP (milivlts) .....+/-20		129.3	120.6	111.4	106.6		
DO (mg/l) .....+/-10%		1.86	1.55	1.43	1.09		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1425

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-29

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM / JK

Well Information

Well No: MW-29 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 24.5

Well Purging Information

Date and time of Well Purging: 1/24/24 1257
Depth to Water Level (ft-below TOC): 9.57
Well Casing Volume (gallons): 2.4
Volume to be Evacuated During Purging (gallons): 7.2
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1257	1302	1307	1312		
Volume (gallons)		0	0.25	0.5	1		
pH (SI units) .....+/-0.2		6.94	6.94	6.95	6.95		
Temperature (°C) .....+/-3%		16.3	16.2	16.4	16.4		
SC (umhos/cm) .....+/-3%		6148	6171	6125	6079		
ORP (milivlts) .....+/-20		122.7	113.3	105.9	100.4		
DO (mg/l) .....+/-10%		1.37	1.56	1.73	1.52		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1312

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-30

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-30 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 24.5

Well Purging Information

Date and time of Well Purging: 1/24/24 1057
Depth to Water Level (ft-below TOC): 11.10
Well Casing Volume (gallons): 2.1
Volume to be Evacuated During Purging (gallons): 6.4
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1057	1102	1107	1112		
Volume (gallons)		0	0.25	1	1.5		
pH (SI units) .....+/-0.2		7.26	7.19	7.18	7.18		
Temperature (°C) .....+/-3%		15.2	15.3	15.2	15.1		
SC (umhos/cm) .....+/-3%		6399	6426	6340	6335		
ORP (milivlts) .....+/-20		130.3	120.6	111.4	107.3		
DO (mg/l) .....+/-10%		0.93	1.39	1.26	1.14		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1112

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-31

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-31 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 1/23/24 1448
Depth to Water Level (ft-below TOC): 9.66
Well Casing Volume (gallons): 2.3
Volume to be Evacuated During Purging (gallons): 6.9
Total volume purged (gallons) 1.25

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1448	1453	1458	1503		
Volume (gallons)		0	0.5	1	1.25		
pH (SI units) .....+/-0.2		6.92	6.91	6.91	6.90		
Temperature (°C) .....+/-3%		15.3	15.4	15.3	15.3		
SC (umhos/cm) .....+/-3%		7388	7382	7288	7256		
ORP (milivlts) .....+/-20		111.9	117.0	113.5	111.7		
DO (mg/l) .....+/-10%		1.42	1.68	1.71	1.49		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1503

Sampling Method (circle): Bailer ~~Peristaltic Pump~~ Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40 ml VOA	3	HCl	VOCs 8260 (OCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-32

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-32 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 1/23/24 1515
Depth to Water Level (ft-below TOC): 8.78
Well Casing Volume (gallons): 2.4
Volume to be Evacuated During Purging (gallons): 7.3
Total volume purged (gallons) 1.25

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1515	1520	1525	1530		
Volume (gallons)		0	0.5	0.75	1.25		
pH (SI units) .....+/-0.2		7.14	7.11	7.11	7.10		
Temperature (°C) .....+/-3%		15.7	16.0	15.8	15.7		
SC (umhos/cm) .....+/-3%		5664	5713	5692	5614		
ORP (milivlts) .....+/-20		124.3	119.2	113.1	109.9		
DO (mg/l) .....+/-10%		1.40	1.54	1.57	1.56		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/23/24 1530

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-33

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-33 Well Dia. (in) 2"

Screen Interval Depth: 15

Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 1/24/24 0939

Depth to Water Level (ft-below TOC): 9.76

Well Casing Volume (gallons): 2.3

Volume to be Evacuated During Purging (gallons): 6.8

Total volume purged (gallons) \

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0939	0944	0949	0954		
Volume (gallons)		0	0.25	0.5	1		
pH (SI units) .....+/-0.2		7.29	7.32	7.17	7.13		
Temperature (°C) .....+/-3%		13.7	15.6	15.8	15.6		
SC (umhos/cm) .....+/-3%		6863	6657	6440	5533		
ORP (milivlts) .....+/-20		111.8	109.2	104.5	102.7		
DO (mg/l) .....+/-10%		0.76	0.94	0.52	1.02		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 0954

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-34

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-34 Well Dia. (in) 2"

Screen Interval Depth: 15

Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 1/24/24 1005

Depth to Water Level (ft-below TOC): 11.53

Well Casing Volume (gallons): 2

Volume to be Evacuated During Purging (gallons): 6

Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1005	1610	1615	1620		
Volume (gallons)		0	0.25	1	1.5		
pH (SI units) .....+/-0.2		7.03	6.86	6.88	6.89		
Temperature (°C) .....+/-3%		15.2	15.6	15.6	15.7		
SC (umhos/cm) .....+/-3%		4978	5024	4991	4959		
ORP (milivlts) .....+/-20		123.7	121.3	111.9	107.7		
DO (mg/l) .....+/-10%		2.43	1.89	1.43	1.19		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1020

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-35

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-35 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 1/24/24 1031
Depth to Water Level (ft-below TOC): 10.37
Well Casing Volume (gallons): 2.2
Volume to be Evacuated During Purging (gallons): 6.5
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1031	1036	1041	1046		
Volume (gallons)		0	0.5	1	1.5		
pH (SI units) .....+/-0.2		6.95	6.88	6.88	6.87		
Temperature (°C) .....+/-3%		15.1	15.7	15.6	15.7		
SC (umhos/cm) .....+/-3%		4947	4965	5023	5046		
ORP (milivlts) .....+/-20		144.9	133.2	126.7	123.6		
DO (mg/l) .....+/-10%		5.26	4.36	3.76	3.56		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 1/24/24 1046

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml Vial	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-01

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS

Well Information

Well No: _____ Well Dia. (in) 2
Screen Interval Depth: 9-29
Total Well Depth: 29.06

Well Purging Information

Date and time of Well Purging: 4/23/24 1015
Depth to Water Level (ft-below TOC): 8.26
Well Casing Volume (gallons): 3.39
Volume to be Evacuated During Purging (gallons): 10.17
Total volume purged (gallons) 6½ to Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1020	1030	1105			
Volume (gallons)		0.5	5	6			
pH (SI units) .....+/-0.2		14.95	7.67	7.81			
Temperature (°C) .....+/-3%		2.31	16.4	16.5			
SC (umhos/cm) .....+/-3%		1774	3521	4492			
ORP (milivlts) .....+/-20		216	186	-67.8			
DO (mg/l) .....+/-10%		2.20	1.12	7.33			
DTW							
Color		clear	clear	tinted			

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1300

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples: _____

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-02

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-02 Well Dia. (in) 2"
Screen Interval Depth: 20'
Total Well Depth: 29'

Well Purging Information

Date and time of Well Purging: 4/24/24 1202
Depth to Water Level (ft-below TOC): 17.53
Well Casing Volume (gallons): 1.8
Volume to be Evacuated During Purging (gallons): 5.5
Total volume purged (gallons) 1.25

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1202	1207	1212	1217		
Volume (gallons)		0	0.25	0.75	1.25		
pH (SI units) .....+/-0.2		7.10	7.19	7.18	7.19		
Temperature (°C) .....+/-3%		17.9	17.8	17.7	17.7		
SC (umhos/cm) .....+/-3%		6658	5976	5948	5921		
ORP (milivlts) .....+/-20		10.1	4.0	4.2	3.2		
DO (mg/l) .....+/-10%		0.91	0.36	0.46	0.33		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1217

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOC

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-03

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-03 Well Dia. (in) 2"
Screen Interval Depth: 25
Total Well Depth: 29

Well Purging Information

Date and time of Well Purging: 4/23/24 1234
Depth to Water Level (ft-below TOC): 11.14
Well Casing Volume (gallons): 2.9
Volume to be Evacuated During Purging (gallons): 8.6
Total volume purged (gallons) 2

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1234	1239	1244	1249		
Volume (gallons)		0	0.5	1.25	2		
pH (SI units) .....+/-0.2		7.48	7.33	7.44	7.39		
Temperature (°C) .....+/-3%		16.3	16.3	15.8	15.5		
SC (umhos/cm) .....+/-3%		4991	4880	2948	2048		
ORP (milivlts) .....+/-20		17.7	12.3	12.0	12.7		
DO (mg/l) .....+/-10%		1.56	1.12	2.08	3.29		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1249

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-04

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-04 Well Dia. (in) 2"
Screen Interval Depth: ~~10.24~~ 9m 20'
Total Well Depth: 29'

Well Purging Information

Date and time of Well Purging: 4/24/24 0855
Depth to Water Level (ft-below TOC): 10.24
Well Casing Volume (gallons): 3.0
Volume to be Evacuated During Purging (gallons): 9.0
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0855	0900	0905	0910		
Volume (gallons)		0	0.5	1	1.5		
pH (SI units) .....+/-0.2		7.52	7.37	7.33	7.31		
Temperature (°C) .....+/-3%		14.9	15.0	14.8	14.8		
SC (umhos/cm) .....+/-3%		2645	2668	2576	2574		
ORP (milivlts) .....+/-20		-0.5	3.6	5.7	6.8		
DO (mg/l) .....+/-10%		2.58	2.54	2.68	2.85		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 0910

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
3 40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-5

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS / JR

Well Information

Well No: MW-5 Well Dia. (in) 2

Screen Interval Depth: 30-40

Total Well Depth: 40

Well Purging Information

Date and time of Well Purging: 4/23/24 1035

Depth to Water Level (ft-below TOC): 16.52

Well Casing Volume (gallons): 3.83

Volume to be Evacuated During Purging (gallons): 11.49

Total volume purged (gallons) 5 → Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1040	1045	1055			
Volume (gallons)		0.5	2	4			
pH (SI units) +/-0.2		6.68	7.04	7.28			
Temperature (°C) +/-3%		15.9	16.5	16.2			
SC (umhos/cm) +/-3%		6070	6051	6410			
ORP (milivlts) +/-20		-78	-84	-69			
DO (mg/l) +/-10%		1.67	1.54	7.26			
DTW							
Color		Gray	Gray	Gray			

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1115

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Gray/black swampy smelling

Groundwater Sample Field Data Sheet

Sample Identification No. MW-6

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS/JR

Well Information

Well No: MW-6 Well Dia. (in) 2
Screen Interval Depth: 6-26
Total Well Depth: 26

Well Purging Information

Date and time of Well Purging: 4/24/24 1200
Depth to Water Level (ft-below TOC): 14.89
Well Casing Volume (gallons):
Volume to be Evacuated During Purging (gallons):
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1205	1210	1215			
Volume (gallons)		0.25	0.5	0.75			
pH (SI units) .....+/-0.2		~~7.67~~ 7.31	7.32	7.32			
Temperature (°C) .....+/-3%		17.2	17.2	17.0			
SC (umhos/cm) .....+/-3%		~~5188~~	5192	5203			
ORP (milivlts) .....+/-20		137	134	132			
DO (mg/l) .....+/-10%		0.21	0.24	0.16			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1220

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-08

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-08 Well Dia. (in) 2"
Screen Interval Depth: 20
Total Well Depth: 29

Well Purging Information

Date and time of Well Purging: 4/23/24 1120
Depth to Water Level (ft-below TOC): 9.23
Well Casing Volume (gallons): 3.2
Volume to be Evacuated During Purging (gallons): 9.5
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1120	1125	1130	1135		
Volume (gallons)		0	0.5	1	1.5		
pH (SI units) .....+/-0.2		7.27	7.31	7.33	7.35		
Temperature (°C) .....+/-3%		14.8	15.3	15.3	15.1		
SC (umhos/cm) .....+/-3%		5457	5410	5288	4939		
ORP (milivlts) .....+/-20		14.2	9.7	8.9	7.3		
DO (mg/l) .....+/-10%		0.60	0.29	0.46	0.68		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1135

Sampling Method (circle): Bailer ~~Peristaltic Pump~~ Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-09

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-09 Well Dia. (in) 2"
Screen Interval Depth: 10'
Total Well Depth: 20'

Well Purging Information

Date and time of Well Purging: 4/24/24 1225
Depth to Water Level (ft-below TOC): 15.38
Well Casing Volume (gallons): 0.7
Volume to be Evacuated During Purging (gallons): 2.2
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1225	1230	1235	1240		
Volume (gallons)		0	0.25	0.75	1		
pH (SI units) .....+/-0.2		7.26	7.27	6.87	7.07		
Temperature (°C) .....+/-3%		17.3	17.2	16.8	17.3		
SC (umhos/cm) .....+/-3%		5851	5731	2085	3481		
ORP (milivlts) .....+/-20		3.2	-0.0	-1.4	-4.3		
DO (mg/l) .....+/-10%		0.15	0.09	0.12	0.14		
DTW		—	—	—	—		
Color		slight turbidity, brown	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1240

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	6	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: MW-09 DUP 4/24/24 1240

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-16

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-16 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 4/23/24 0942
Depth to Water Level (ft-below TOC): 11.53
Well Casing Volume (gallons): 2.2
Volume to be Evacuated During Purging (gallons): 6.5
Total volume purged (gallons) 7

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0942	0947	0952	0957		
Volume (gallons)		0	0.25	0.75	1		
pH (SI units) .....+/-0.2		6.72	6.83	6.86	6.86		
Temperature (°C) .....+/-3%		15.4	15.6	15.6	15.5		
SC (umhos/cm) .....+/-3%		10681	11196	10932	10893		
ORP (milivlts) .....+/-20		14.7	10.6	9.7	9.7		
DO (mg/l) .....+/-10%		2.19	1.85	1.81	1.75		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 0957

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-11

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-11 Well Dia. (in) _____
Screen Interval Depth: _____
Total Well Depth: _____

Well Purging Information

Date and time of Well Purging: —
Depth to Water Level (ft-below TOC): _____
Well Casing Volume (gallons): _____
Volume to be Evacuated During Purging (gallons): _____
Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units) .....+/-0.2							
Temperature (°C) .....+/-3%							
SC (umhos/cm) .....+/-3%							
ORP (milivlts) .....+/-20							
DO (mg/l) .....+/-10%							
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: _____

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
—	—	—	—

Associated QA/QC Samples: _____

Comments/Observations Under debris pile

Groundwater Sample Field Data Sheet

Sample Identification No. MW-12R

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-12R Well Dia. (in) 2"
Screen Interval Depth: 15'
Total Well Depth: 24.5'

Well Purging Information

Date and time of Well Purging: 4/24/24 0919
Depth to Water Level (ft-below TOC): 13.13
Well Casing Volume (gallons): 1.8
Volume to be Evacuated During Purging (gallons): 5.5
Total volume purged (gallons) 1.25

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0919	0924	0929	0934		
Volume (gallons)		0	0.5	1	1.25		
pH (SI units) .....+/-0.2		8.32	8.32	8.29	8.24		
Temperature (°C) .....+/-3%		15.4	15.3	15.4	15.4		
SC (umhos/cm) .....+/-3%		825	781	768	797		
ORP (milivlts) .....+/-20		6.1	1.1	1.8	2.7		
DO (mg/l) .....+/-10%		0.47	0.17	0.25	0.31		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 0934

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-13

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CLS/JR

Well Information

Well No: MW-13 Well Dia. (in) 2
Screen Interval Depth: 15-25
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 4/24/24 1300
Depth to Water Level (ft-below TOC): 17.73
Well Casing Volume (gallons):
Volume to be Evacuated During Purging (gallons):
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1305	1310	1315			
Volume (gallons)		0.25	0.5	0.75			
pH (SI units) .....+/-0.2		7.22	7.23	7.24			
Temperature (°C) .....+/-3%		17.1	16.9	16.9			
SC (umhos/cm) .....+/-3%		6270	6220	6218			
ORP (milivlts) .....+/-20		143	136	130			
DO (mg/l) .....+/-10%		3.22	0.67	0.41			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1220

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs
125 mL	1	-	Chloride

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-14

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS/JR

Well Information

Well No: MW-14 Well Dia. (in) 2
Screen Interval Depth: 10-25
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 4/24/24 1230
Depth to Water Level (ft-below TOC): 17.64
Well Casing Volume (gallons):
Volume to be Evacuated During Purging (gallons):
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1235	1240	1245			
Volume (gallons)		0.25	0.5	0.75			
pH (SI units) .....+/-0.2		7.24	7.22	7.21			
Temperature (°C) .....+/-3%		16.4	16.4	16.3			
SC (umhos/cm) .....+/-3%		6545	6507	6466			
ORP (milivlts) .....+/-20		125	125	124			
DO (mg/l) .....+/-10%		0.18	0.11	0.12			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1250

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOA, 125 mL	3	HCl	VOCs
	1	-	Chloride

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-15

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS/JR

Well Information

Well No: MW-15 Well Dia. (in) 2

Screen Interval Depth: ~~20~~ 19.5-24.5

Total Well Depth: 24.5

Well Purging Information

Date and time of Well Purging: 4/24/24 1135

Depth to Water Level (ft-below TOC): 18.16

Well Casing Volume (gallons):

Volume to be Evacuated During Purging (gallons):

Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1140	1145	1150			
Volume (gallons)		0.25	0.5	0.75			
pH (SI units) .....+/-0.2		7.19	7.19	7.19			
Temperature (°C) .....+/-3%		16.5	16.5	16.5			
SC (umhos/cm) .....+/-3%		5745	5767	5751			
ORP (milivlts) .....+/-20		108	105	104			
DO (mg/l) .....+/-10%		1.52	1.37	1.33			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1155

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs
125 mL	1	-	Chloride

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-16

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-16 Well Dia. (in) 2"
Screen Interval Depth: 5
Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 4/24/24 0944
Depth to Water Level (ft-below TOC): 17.06
Well Casing Volume (gallons): 1.1
Volume to be Evacuated During Purging (gallons): 3.3
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0944	0949	0954	0959		
Volume (gallons)		0	0.25	0.75	1		
pH (SI units) .....+/-0.2		7.28	7.14	6.90	6.96		
Temperature (°C) .....+/-3%		15.8	15.8	15.6	15.6		
SC (umhos/cm) .....+/-3%		5759	5688	4952	5018		
ORP (milivlts) .....+/-20		8.2	11.9	15.8	13.7		
DO (mg/l) .....+/-10%		3.79	4.12	6.46	6.74		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 0959

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	6	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: MW-16 DUP 4/24/24 0959

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-17

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-17 Well Dia. (in) 2"
Screen Interval Depth: 5
Total Well Depth: 24.5

Well Purging Information

Date and time of Well Purging: 4/23/24 1003
Depth to Water Level (ft-below TOC): 13.34
Well Casing Volume (gallons): 1.8
Volume to be Evacuated During Purging (gallons): 5.4
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1003	1008	1013	1018		
Volume (gallons)		0	0.25	0.5	1		
pH (SI units) .....+/-0.2		7.23	7.37	7.46	7.45		
Temperature (°C) .....+/-3%		16.6	16.2	15.8	15.7		
SC (umhos/cm) .....+/-3%		4302	3319	2875	2942		
ORP (milivlts) .....+/-20		11.6	7.9	9.8	11.0		
DO (mg/l) .....+/-10%		2.13	1.68	2.87	3.60		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1018

Sampling Method (circle): Bailer ~~Peristaltic Pump~~ Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml vial	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-18

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS / JK

Well Information

Well No: MW-18 Well Dia. (in) _____
Screen Interval Depth: _____
Total Well Depth: _____

Well Purging Information

Date and time of Well Purging: 4/23/24
Depth to Water Level (ft-below TOC): 14.66
Well Casing Volume (gallons): _____
Volume to be Evacuated During Purging (gallons): _____
Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units)	+/-0.2						
Temperature (°C)	+/-3%						
SC (umhos/cm)	+/-3%						
ORP (milivlts)	+/-20						
DO (mg/l)	+/-10%						
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: —

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples: _____

Comments/Observations BOS

Groundwater Sample Field Data Sheet

Sample Identification No. MW-19

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS/JR

Well Information

Well No: MW-19 Well Dia. (in) _____
Screen Interval Depth: _____
Total Well Depth: _____

Well Purging Information

Date and time of Well Purging: 4/23/24
Depth to Water Level (ft-below TOC): 10.92
Well Casing Volume (gallons): _____
Volume to be Evacuated During Purging (gallons): _____
Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units)	+/-0.2						
Temperature (°C)	+/-3%						
SC (umhos/cm)	+/-3%						
ORP (milivlts)	+/-20						
DO (mg/l)	+/-10%						
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: _____

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples: _____

Comments/Observations BOS

Groundwater Sample Field Data Sheet

Sample Identification No. MW-20

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CLS / JR

Well Information

Well No: MW-20 Well Dia. (in) _____

Screen Interval Depth: _____

Total Well Depth: _____

Well Purging Information

Date and time of Well Purging: 4/23/24

Depth to Water Level (ft-below TOC): 13.08

Well Casing Volume (gallons): _____

Volume to be Evacuated During Purging (gallons): _____

Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units) .....+/-0.2							
Temperature (°C) .....+/-3%							
SC (umhos/cm) .....+/-3%							
ORP (milivlts) .....+/-20							
DO (mg/l) .....+/-10%							
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: _____

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples: _____

Comments/Observations BOS

Groundwater Sample Field Data Sheet

Sample Identification No. MW-21

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-21 Well Dia. (in) 2"
Screen Interval Depth: 15'
Total Well Depth: 22'

Well Purging Information

Date and time of Well Purging: 4/23/24 1031
Depth to Water Level (ft-below TOC): 6.98
Well Casing Volume (gallons): 2.4
Volume to be Evacuated During Purging (gallons): 7.2
Total volume purged (gallons) 1.25

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1031	1036	1041	1046		
Volume (gallons)		0	0.5	1	1.25		
pH (SI units) .....+/-0.2		7.20	7.17	7.17	7.17		
Temperature (°C) .....+/-3%		14.4	14.4	14.3	14.3		
SC (umhos/cm) .....+/-3%		5513	6075	6069	5937		
ORP (milivlts) .....+/-20		10.3	5.6	3.8	3.6		
DO (mg/l) .....+/-10%		0.78	0.24	0.16	0.14		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1046

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM / JK

Well Information

Well No: MW-22 Well Dia. (in) 2"
Screen Interval Depth: —
Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 4/23/24 1054
Depth to Water Level (ft-below TOC): 16.87
Well Casing Volume (gallons): 1.14
Volume to be Evacuated During Purging (gallons): 3.4
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1054	1059	1104	1109		
Volume (gallons)		0	0.5	0.75	1		
pH (SI units) .....+/-0.2		7.29	7.43	7.38	7.38		
Temperature (°C) .....+/-3%		15.2	15.2	14.9	14.9		
SC (umhos/cm) .....+/-3%		4854	4698	4662	4623		
ORP (milivlts) .....+/-20		9.4	8.5	11.0	12.5		
DO (mg/l) .....+/-10%		0.71	1.33	2.51	4.32		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1109

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 30-35

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS/JR

Well Information

Well No: MW-22D 30-35 Well Dia. (in) 2
Screen Interval Depth: 30-35
Total Well Depth: 35

Well Purging Information

Date and time of Well Purging: 4/24/24 0925
Depth to Water Level (ft-below TOC): 14.48
Well Casing Volume (gallons): 3.35
Volume to be Evacuated During Purging (gallons): 10.05
Total volume purged (gallons) 5 → Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0930	0940	0945			
Volume (gallons)		0.5	4	5			
pH (SI units) .....+/-0.2		7.33	7.25	7.18			
Temperature (°C) .....+/-3%		16.1	16.7	16.8			
SC (umhos/cm) .....+/-3%		5954	6217	6279			
ORP (milivlts) .....+/-20		133	134	134			
DO (mg/l) .....+/-10%		4.21	2.74	2.22			
DTW							
Color		clear	cloudy	cloudy			

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1110

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 35-40

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS/JR

Well Information

Well No: MW-22D 35-40 Well Dia. (in) 2
Screen Interval Depth: 35-40
Total Well Depth: 40

Well Purging Information

Date and time of Well Purging: 4/24/24 0850
Depth to Water Level (ft-below TOC): 13.02
Well Casing Volume (gallons): 4.4
Volume to be Evacuated During Purging (gallons): 13.2
Total volume purged (gallons) 6 → Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0855	0905	0915			
Volume (gallons)		0.5	2.5	5			
pH (SI units) .....+/-0.2		7.52	7.49	7.32			
Temperature (°C) .....+/-3%		15.7	16.6	16.7			
SC (umhos/cm) .....+/-3%		5470	5466	5487			
ORP (milivlts) .....+/-20		136	133	133			
DO (mg/l) .....+/-10%		4.86	4.38	3.56			
DTW							
Color		clear	clear	cloudy			

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1100

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 41-46

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: _____

Well Information

Well No: MW-22D 41-46 Well Dia. (in) _____

Screen Interval Depth: _____

Total Well Depth: _____

Well Purging Information

Date and time of Well Purging: _____

Depth to Water Level (ft-below TOC): _____

Well Casing Volume (gallons): _____

Volume to be Evacuated During Purging (gallons): _____

Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units)	+/-0.2						
Temperature (°C)	+/-3%						
SC (umhos/cm)	+/-3%						
ORP (milivlts)	+/-20						
DO (mg/l)	+/-10%						
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: _____

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples: _____

Comments/Observations Under debris pile

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 48-53

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: _____

Well Information

Well No: MW-22D 48-53 Well Dia. (in) _____

Screen Interval Depth: _____

Total Well Depth: _____

Well Purging Information

Date and time of Well Purging: _____

Depth to Water Level (ft-below TOC): _____

Well Casing Volume (gallons): _____

Volume to be Evacuated During Purging (gallons): _____

Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units) .....+/-0.2							
Temperature (°C) .....+/-3%							
SC (umhos/cm) .....+/-3%							
ORP (milivlts) .....+/-20							
DO (mg/l) .....+/-10%							
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: _____

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples: _____

Comments/Observations Under debris pile

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 55-60

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS / JR

Well Information

Well No: MW-22D 55-60 Well Dia. (in) 2
Screen Interval Depth: 55-60
Total Well Depth: 60

Well Purging Information

Date and time of Well Purging: 4/24/24 0945
Depth to Water Level (ft-below TOC): 26.53
Well Casing Volume (gallons): 5.46
Volume to be Evacuated During Purging (gallons): 16.38
Total volume purged (gallons) 16.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0950	1010	1035			
Volume (gallons)		0.5	8	15			
pH (SI units) .....+/-0.2		7.04	6.98	7.05			
Temperature (°C) .....+/-3%		16.7	16.3	16.7			
SC (umhos/cm) .....+/-3%		6668	6667	6732			
ORP (milivlts) .....+/-20		152	155	158.2			
DO (mg/l) .....+/-10%		2.76	1.73	3.00			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1045

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	6	HCl	VOCs

Associated QA/QC Samples: MW-22D 55-60 Dup. 1046

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-22D 72.5-75

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: _____

Well Information

Well No: MW-22D 72.5-75 Well Dia. (in) _____

Screen Interval Depth: _____

Total Well Depth: _____

Well Purging Information

Date and time of Well Purging: _____

Depth to Water Level (ft-below TOC): _____

Well Casing Volume (gallons): _____

Volume to be Evacuated During Purging (gallons): _____

Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units)	+/-0.2						
Temperature (°C)	+/-3%						
SC (umhos/cm)	+/-3%						
ORP (milivlts)	+/-20						
DO (mg/l)	+/-10%						
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: _____

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples: _____

Comments/Observations Under debris pile

Groundwater Sample Field Data Sheet

Sample Identification No. MW-23

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-23 Well Dia. (in) 2"
Screen Interval Depth: —
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 4/23/24 1145
Depth to Water Level (ft-below TOC): 16.18
Well Casing Volume (gallons): 1.4
Volume to be Evacuated During Purging (gallons): 4.2
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1145	1150	1155	1200		
Volume (gallons)		0	0.25	0.5	1		
pH (SI units) .....+/-0.2		7.00	6.98	6.97	6.99		
Temperature (°C) .....+/-3%		16.8	17.0	16.9	16.9		
SC (umhos/cm) .....+/-3%		6721	6712	6583	6332		
ORP (milivlts) .....+/-20		16.3	12.6	11.8	10.9		
DO (mg/l) .....+/-10%		0.89	0.60	0.95	1.10		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1200

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOA 40ml	3	HCl	VOCs 8260 (DCL)
125ml Poly	1	—	Chloride

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-23D 31-33.5

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS/SR

Well Information

Well No: MW-23D 31-33.5 Well Dia. (in) 2

Screen Interval Depth: 31-33.5

Total Well Depth: 33.5

Well Purging Information

Date and time of Well Purging: 4/23/24

Depth to Water Level (ft-below TOC): 18.50

Well Casing Volume (gallons): 2.43

Volume to be Evacuated During Purging (gallons): 7.29

Total volume purged (gallons) 2.5 (dry)

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1420	1422	1424			
Volume (gallons)		0.5	1.5	2.25			
pH (SI units) .....+/-0.2		7.47	7.39	7.36			
Temperature (°C) .....+/-3%		16.4	16.7	16.3			
SC (umhos/cm) .....+/-3%		6807	6890	6894			
ORP (milivlts) .....+/-20		39.5	59.1	69.9			
DO (mg/l) .....+/-10%		4.91	3.93	3.90			
DTW							
Color		clear	clear	clear			

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1500

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-23D 47-52

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS/SR

Well Information

Well No: MW-23D 47-52 Well Dia. (in) 2
Screen Interval Depth: 47-52
Total Well Depth: 52

Well Purging Information

Date and time of Well Purging: 4/23/24 1345
Depth to Water Level (ft-below TOC): 41.25
Well Casing Volume (gallons): 5
Volume to be Evacuated During Purging (gallons): 15
Total volume purged (gallons) 6 ← Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1350	1355	1400			
Volume (gallons)		0.5	2	5			
pH (SI units) .....+/-0.2		7.88	7.77	7.57			
Temperature (°C) .....+/-3%		16.6	16.4	16.2			
SC (umhos/cm) .....+/-3%		925	810	2279			
ORP (milivlts) .....+/-20		-35	-83	-12			
DO (mg/l) .....+/-10%		6.35	2.47	2.05			
DTW							
Color		clear	cloudy	cloudy			

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1445

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Greasy feeling to water

Groundwater Sample Field Data Sheet

Sample Identification No. MW-23D 56.5 - 61.5

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS/SR

Well Information

Well No: MW-23D 56.5 - 61.5 Well Dia. (in) 2

Screen Interval Depth: 56.5 - 61.5

Total Well Depth: 61.5

Well Purging Information

Date and time of Well Purging: 4/23/24 1310

Depth to Water Level (ft-below TOC): 34.82

Well Casing Volume (gallons): 4.35

Volume to be Evacuated During Purging (gallons): 13.05

Total volume purged (gallons) 7 + Dry

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1315	1325	1335			
Volume (gallons)		0.5	4	6			
pH (SI units) .....+/-0.2		7.29	7.11	7.27			
Temperature (°C) .....+/-3%		16.3	15.8	15.9			
SC (umhos/cm) .....+/-3%		6829	6821	6832			
ORP (milivlts) .....+/-20		134	138	135			
DO (mg/l) .....+/-10%		4.65	0.23	3.41			
DTW							
Color		clear	cloudy	cloudy			

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1430

Sampling Method (circle): (Bailer) Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HCl	VOCs

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-23D 64-74'

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS / JR

Well Information

Well No: MW-23D 64-74' Well Dia. (in) 2"

Screen Interval Depth: 15

Total Well Depth: 74.71

Well Purging Information

Date and time of Well Purging: 4/23/24

Depth to Water Level (ft-below TOC): Dry!

Well Casing Volume (gallons):

Volume to be Evacuated During Purging (gallons):

Total volume purged (gallons)

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units) .....+/-0.2							
Temperature (°C) .....+/-3%							
SC (umhos/cm) .....+/-3%							
ORP (milivlts) .....+/-20							
DO (mg/l) .....+/-10%							
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection:

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-24

Project Information

Project Name: Thornton Shopping Center

Contractor: ERO Sample Tech.: CAS/JSL

Well Information

Well No: MW-24 Well Dia. (in) _____

Screen Interval Depth: _____

Total Well Depth: _____

Well Purging Information

Date and time of Well Purging: 4/23/24

Depth to Water Level (ft-below TOC): 11.30

Well Casing Volume (gallons): _____

Volume to be Evacuated During Purging (gallons): _____

Total volume purged (gallons) _____

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time							
Volume (gallons)							
pH (SI units)	+/-0.2						
Temperature (°C)	+/-3%						
SC (umhos/cm)	+/-3%						
ORP (milivlts)	+/-20						
DO (mg/l)	+/-10%						
DTW							
Color							

Sample Collection Information

Date and Time of Sample Collection: _____

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses

Associated QA/QC Samples: _____

Comments/Observations

BOS

Groundwater Sample Field Data Sheet

Sample Identification No. MW-25

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-25 Well Dia. (in) 2"
Screen Interval Depth: —
Total Well Depth: 12.5

Well Purging Information

Date and time of Well Purging: 4/24/24 1130
Depth to Water Level (ft-below TOC): 8.94
Well Casing Volume (gallons): 0.5
Volume to be Evacuated During Purging (gallons): 1.7
Total volume purged (gallons) 0.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1130	1135	1140	1145		
Volume (gallons)		0	0.25	0.25	0.5		
pH (SI units) .....+/-0.2		7.08	6.99	6.98	6.97		
Temperature (°C) .....+/-3%		14.1	13.9	17.2	20.1		
SC (umhos/cm) .....+/-3%		6277	5879	6019	5965		
ORP (milivlts) .....+/-20		16.9	12.4	11.2	11.5		
DO (mg/l) .....+/-10%		1.31	0.88	1.18	1.30		
DTW		—	—	—	—		
Color		light tan	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1145

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-26D

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: CAS/JR

Well Information

Well No: MW-26D Well Dia. (in) 2
Screen Interval Depth: 44-54
Total Well Depth: 54.23

Well Purging Information

Date and time of Well Purging: 4/23/24 1130
Depth to Water Level (ft-below TOC): 13.28
Well Casing Volume (gallons): 6.68
Volume to be Evacuated During Purging (gallons): 20.04
Total volume purged (gallons) 20

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1035	1150	1210			
Volume (gallons)		0.5	7.5	15			
pH (SI units) .....+/-0.2		7.70	7.32	7.35			
Temperature (°C) .....+/-3%		14.1	14.7	14.8			
SC (umhos/cm) .....+/-3%		1129	6631	6813			
ORP (milivlts) .....+/-20		95	108	122.2			
DO (mg/l) .....+/-10%		6.13	1.43	2.88			
DTW							
Color		clear		clear			

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1245

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
VOAs	3	HC	VOCs
125ml	1	—	Chloride

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-27

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-27 Well Dia. (in) 2"
Screen Interval Depth: 15'
Total Well Depth: 25'

Well Purging Information

Date and time of Well Purging: 4/23/24 0919
Depth to Water Level (ft-below TOC): 9.81
Well Casing Volume (gallons): 2.4
Volume to be Evacuated During Purging (gallons): 7.3
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		0919	0924	0929	0934		
Volume (gallons)		0	0.25	1	1.5		
pH (SI units) .....+/-0.2		7.07	7.05	7.06	7.05		
Temperature (°C) .....+/-3%		16.6	15,7	15,5	15,4		
SC (umhos/cm) .....+/-3%		7865	7776	7973	7836		
ORP (milivlts) .....+/-20		14.2	9,7	7,2	7,1		
DO (mg/l) .....+/-10%		58.03	0.70	0.43	0.66		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 0934

Sampling Method (circle): Bailer ~~Peristaltic Pump~~ Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-28

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-28 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 25

Well Purging Information

Date and time of Well Purging: 4/23/24 1212
Depth to Water Level (ft-below TOC): 10.80
Well Casing Volume (gallons): 2.3
Volume to be Evacuated During Purging (gallons): 6.8
Total volume purged (gallons) 7

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1212	1217	1222	1227		
Volume (gallons)		0	0.25	0.75	1		
pH (SI units) .....+/-0.2		7.02	7.11	7.11	7.11		
Temperature (°C) .....+/-3%		15.8	15.8	15.8	15.8		
SC (umhos/cm) .....+/-3%		6061	5953	5948	5925		
ORP (milivlts) .....+/-20		13.5	10.4	9.9	10.7		
DO (mg/l) .....+/-10%		0.19	0.12	0.11	0.12		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1227

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40 ml VOA	3	HCl	VOCs 8260 (OCL)

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-29

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-29 Well Dia. (in) 2"
Screen Interval Depth: 15'
Total Well Depth: 24.5'

Well Purging Information

Date and time of Well Purging: 4/24/24 1103
Depth to Water Level (ft-below TOC): 8.36
Well Casing Volume (gallons): 2.3
Volume to be Evacuated During Purging (gallons): 7.7
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1103	1108	1113	1118		
Volume (gallons)		0	0.5	1	1.5		
pH (SI units) .....+/-0.2		7.15	7.14	7.14	7.14		
Temperature (°C) .....+/-3%		15.6	15.4	15.3	15.3		
SC (umhos/cm) .....+/-3%		6333	6363	6326	6308		
ORP (milivlts) .....+/-20		22.4	18.5	17.3	17.0		
DO (mg/l) .....+/-10%		0.77	0.31	0.77	0.33		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1118

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-30

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-30 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 24.5

Well Purging Information

Date and time of Well Purging: 4/24/24 1018
Depth to Water Level (ft-below TOC): 11.13
Well Casing Volume (gallons): 2.1
Volume to be Evacuated During Purging (gallons): 6.4
Total volume purged (gallons) 1.25

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1018	1023	1028	1033		
Volume (gallons)		0	0.5	0.75	1.25		
pH (SI units) .....+/-0.2		7.24	7.31	7.32	7.32		
Temperature (°C) .....+/-3%		14.6	14.5	14.5	14.5		
SC (umhos/cm) .....+/-3%		6511	6371	6430	6423		
ORP (milivlts) .....+/-20		15.9	13.7	14.8	16.0		
DO (mg/l) .....+/-10%		0.75	0.41	0.41	0.46		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1033

Sampling Method (circle): Bailer ~~Peristaltic Pump~~ Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-31

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-31 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 4/23/24 1317
Depth to Water Level (ft-below TOC): 8.01
Well Casing Volume (gallons): 2.6
Volume to be Evacuated During Purging (gallons): 7.7
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1317	1322	1327	1332		
Volume (gallons)		0	0.5	1	1.5		
pH (SI units) .....+/-0.2		6.80	7.01	7.02	7.02		
Temperature (°C) .....+/-3%		14.7	14.4	14.3	14.2		
SC (umhos/cm) .....+/-3%		7806	7757	7715	7617		
ORP (milivlts) .....+/-20		9.8	7.2	8.7	8.6		
DO (mg/l) .....+/-10%		2.11	1.73	1.65	1.58		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1332

Sampling Method (circle): Bailer ~~Peristaltic Pump~~ Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples:

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-32

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-32 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 4/23/24 1346
Depth to Water Level (ft-below TOC): 8.14
Well Casing Volume (gallons): 2.5
Volume to be Evacuated During Purging (gallons): 7.6
Total volume purged (gallons) 1.5

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1346	1351	1356	1401		
Volume (gallons)		0	0.5	1	1.5		
pH (SI units) .....+/-0.2		7.22	7.22	7.22	7.21		
Temperature (°C) .....+/-3%		15.6	15.2	15.0	14.9		
SC (umhos/cm) .....+/-3%		6033	5819	5614	5617		
ORP (milivlts) .....+/-20		14.1	8.5	8.4	8.1		
DO (mg/l) .....+/-10%		1.56	1.35	0.96	0.89		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1401

Sampling Method (circle): Bailer ~~Peristaltic Pump~~ Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml Vial	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

—

Groundwater Sample Field Data Sheet

Sample Identification No. MW-33

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-33 Well Dia. (in) 2"
Screen Interval Depth: 15'
Total Well Depth: 24'

Well Purging Information

Date and time of Well Purging: 4/23/24 1409
Depth to Water Level (ft-below TOC): 8.89
Well Casing Volume (gallons): 2.4
Volume to be Evacuated During Purging (gallons): 7.3
Total volume purged (gallons) 1

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1409	1414	1419	1424		
Volume (gallons)		0	0.5	0.75	1		
pH (SI units) .....+/-0.2		7.40	7.40	7.40	7.38		
Temperature (°C) .....+/-3%		15.4	15.1	15.0	15.1		
SC (umhos/cm) .....+/-3%		6711	6519	6615	6464		
ORP (milivlts) .....+/-20		15.3	8.9	8.6	9.2		
DO (mg/l) .....+/-10%		0.51	0.61	0.63	0.65		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1424

Sampling Method (circle): Bailer ~~Peristaltic Pump~~ Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-34

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-34 Well Dia. (in) 2"
Screen Interval Depth: 15'
Total Well Depth: 24'

Well Purging Information

Date and time of Well Purging: 4/23/24 1432
Depth to Water Level (ft-below TOC): 9.78
Well Casing Volume (gallons): 2.3
Volume to be Evacuated During Purging (gallons): 6.8
Total volume purged (gallons) 0.75

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1432	1437	1442	1447		
Volume (gallons)		0	0.25	0.5	0.75		
pH (SI units) .....+/-0.2		7.01	7.00	7.01	6.98		
Temperature (°C) .....+/-3%		15.1	15.2	15.0	15.0		
SC (umhos/cm) .....+/-3%		5177	5093	5030	4973		
ORP (milivlts) .....+/-20		17.2	11.0	8.5	8.7		
DO (mg/l) .....+/-10%		0.49	0.26	0.24	0.21		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/23/24 1447

Sampling Method (circle): Bailer Peristaltic Pump Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml VOA	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Groundwater Sample Field Data Sheet

Sample Identification No. MW-35

Project Information

Project Name: Thornton Shopping Center
Contractor: ERO Sample Tech.: GM/JK

Well Information

Well No: MW-35 Well Dia. (in) 2"
Screen Interval Depth: 15
Total Well Depth: 24

Well Purging Information

Date and time of Well Purging: 4/24/24 1041
Depth to Water Level (ft-below TOC): 8.53
Well Casing Volume (gallons): 2.5
Volume to be Evacuated During Purging (gallons): 7.4
Total volume purged (gallons) 1.25

Field Water Quality Parameters During Well Purging

	Stabilize	Initial	1st Vol	2nd Vol	3rd Vol	4th Vol	Sample
Time		1041	1046	1051	1056		
Volume (gallons)		0	0.25	0.75	1.25		
pH (SI units) .....+/-0.2		7.09	7.09	7.09	7.10		
Temperature (°C) .....+/-3%		15.2	15.0	15.0	14.8		
SC (umhos/cm) .....+/-3%		4540	4454	4419	~~20.24~~ 3973		
ORP (milivlts) .....+/-20		21.6	19.3	19.5	20.2		
DO (mg/l) .....+/-10%		4.21	3.76	3.66	4.42		
DTW		—	—	—	—		
Color		clear	clear	clear	clear		

Sample Collection Information

Date and Time of Sample Collection: 4/24/24 1056

Sampling Method (circle): Bailer (Peristaltic Pump) Diffuser Micro-Purge

Containers	Number	Preservatives	Analyses
40ml vial	3	HCl	VOCs 8260 (DCL)

Associated QA/QC Samples: —

Comments/Observations

Appendix B Laboratory Sheets

ANALYTICAL REPORT

February 05, 2024

ERO Resources

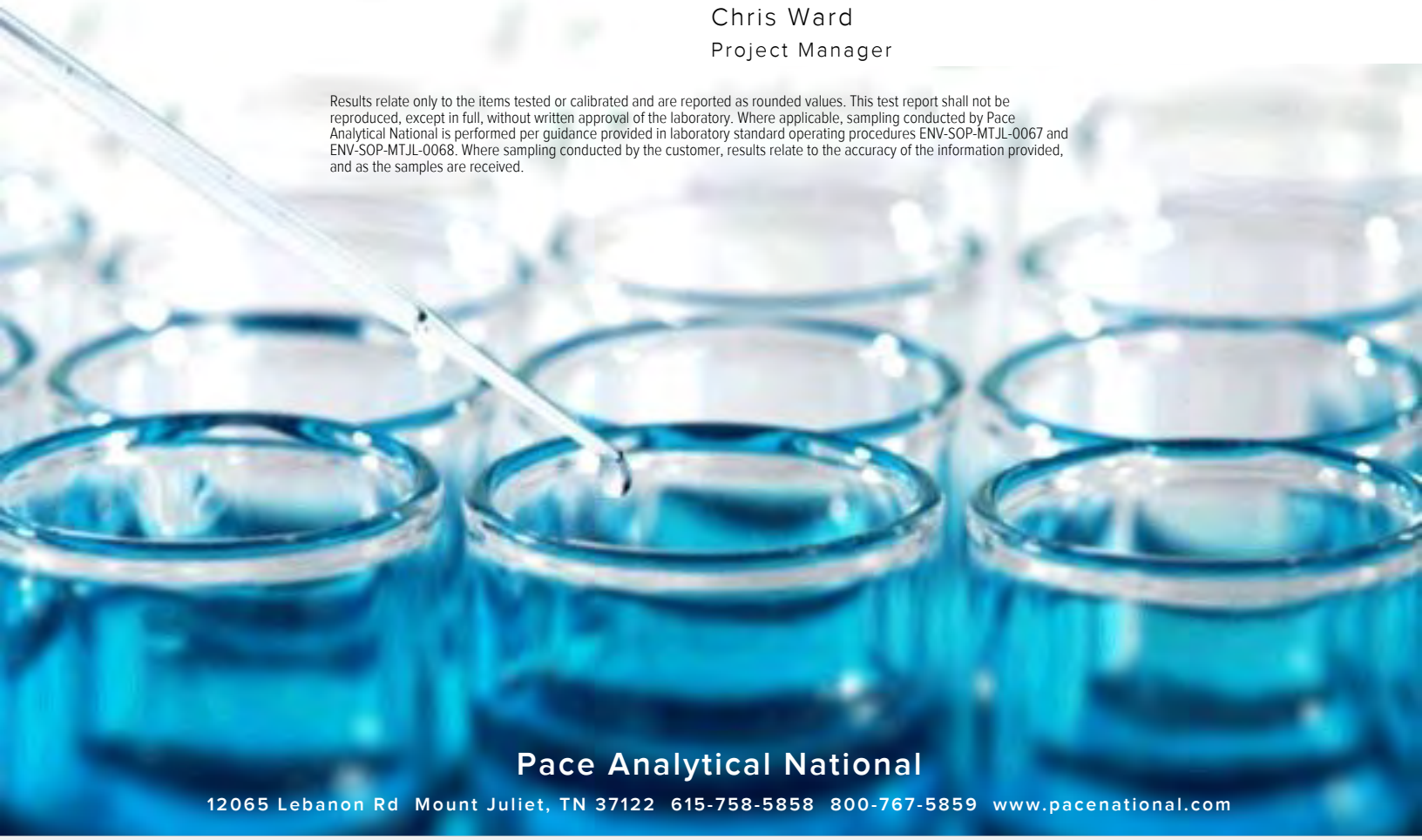
Sample Delivery Group:	L1700104
Samples Received:	01/29/2024
Project Number:	10197
Description:	Thornton Shopping Ctr.

Report To:

Jack Denman
1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Entire Report Reviewed By:

Chris Ward
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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MW-27 L1700104-01 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 09:30 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 15:20	01/30/24 15:20	DYW	Mt. Juliet, TN

MW-10 L1700104-02 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 09:55 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 15:42	01/30/24 15:42	DYW	Mt. Juliet, TN

MW-01 L1700104-03 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 10:15 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 16:04	01/30/24 16:04	DYW	Mt. Juliet, TN

MW-17 L1700104-04 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 10:20 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 16:26	01/30/24 16:26	DYW	Mt. Juliet, TN

MW-05 L1700104-05 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 10:25 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 16:48	01/30/24 16:48	DYW	Mt. Juliet, TN

MW-21 L1700104-06 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 11:13 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 17:10	01/30/24 17:10	DYW	Mt. Juliet, TN

MW-26D L1700104-07 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 11:30 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2215837	10	01/31/24 05:19	01/31/24 05:19	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 17:32	01/30/24 17:32	DYW	Mt. Juliet, TN

MW-22 L1700104-08 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 11:40 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 17:54	01/30/24 17:54	DYW	Mt. Juliet, TN

MW-08 L1700104-09 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 12:20 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 18:16	01/30/24 18:16	DYW	Mt. Juliet, TN

MW-23D 47-52 L1700104-10 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 13:20 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	10	01/30/24 20:28	01/30/24 20:28	DYW	Mt. Juliet, TN

MW-23D 56.5-61.5 L1700104-11 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 13:50 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 18:38	01/30/24 18:38	DYW	Mt. Juliet, TN

MW-23 L1700104-12 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 13:52 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2215837	10	01/31/24 05:46	01/31/24 05:46	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 19:00	01/30/24 19:00	DYW	Mt. Juliet, TN

MW-23D 31-33.5 L1700104-13 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 14:20 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 19:22	01/30/24 19:22	DYW	Mt. Juliet, TN

MW-28 L1700104-14 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 14:25 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216068	1	01/30/24 19:44	01/30/24 19:44	DYW	Mt. Juliet, TN

MW-31 L1700104-15 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 15:03 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 00:24	01/31/24 00:24	DYW	Mt. Juliet, TN

MW-32 L1700104-16 GW

Collected by: Craig Sovka | Collected date/time: 01/23/24 15:30 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 00:45	01/31/24 00:45	DYW	Mt. Juliet, TN

MW-03 L1700104-17 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 09:06 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 01:05	01/31/24 01:05	DYW	Mt. Juliet, TN

MW-04 L1700104-18 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 09:28 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 01:26	01/31/24 01:26	DYW	Mt. Juliet, TN

MW-33 L1700104-19 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 09:54 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 01:46	01/31/24 01:46	DYW	Mt. Juliet, TN

MW-22D 48-53 L1700104-20 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 10:00 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	50	01/31/24 20:40	01/31/24 20:40	ADM	Mt. Juliet, TN

MW-34 L1700104-21 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 10:20 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 02:07	01/31/24 02:07	DYW	Mt. Juliet, TN

MW-22D 30-35 L1700104-22 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 10:40 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	50	01/31/24 21:16	01/31/24 21:16	ADM	Mt. Juliet, TN

MW-22D 41-46 L1700104-23 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 10:45 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	50	01/31/24 21:35	01/31/24 21:35	ADM	Mt. Juliet, TN

MW-22D 41-46 DUP L1700104-24 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 10:48 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	50	01/31/24 21:54	01/31/24 21:54	ADM	Mt. Juliet, TN

MW-35 L1700104-25 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 10:46 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 02:27	01/31/24 02:27	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	10	01/31/24 22:13	01/31/24 22:13	ADM	Mt. Juliet, TN

MW-22D 35-40 L1700104-26 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 11:00 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	50	01/31/24 22:32	01/31/24 22:32	ADM	Mt. Juliet, TN

MW-30 L1700104-27 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 11:12 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 02:48	01/31/24 02:48	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	10	01/31/24 22:50	01/31/24 22:50	ADM	Mt. Juliet, TN

MW-25 L1700104-28 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 11:36 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	5	01/31/24 23:09	01/31/24 23:09	ADM	Mt. Juliet, TN

MW-22D 55-60 L1700104-29 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 11:40 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	1000	01/31/24 23:28	01/31/24 23:28	ADM	Mt. Juliet, TN

MW-12R L1700104-30 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 12:23 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 03:09	01/31/24 03:09	DYW	Mt. Juliet, TN

MW-16 L1700104-31 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 12:30 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 03:29	01/31/24 03:29	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	10	01/31/24 23:47	01/31/24 23:47	ADM	Mt. Juliet, TN

MW-16 DUP L1700104-32 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 12:32 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216568	1	01/31/24 03:50	01/31/24 03:50	DYW	Mt. Juliet, TN

MW-02 L1700104-33 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 12:45 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2217423	5	02/01/24 00:05	02/01/24 00:05	ADM	Mt. Juliet, TN

MW-15 L1700104-34 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 12:48 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2215837	10	01/31/24 06:12	01/31/24 06:12	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216580	10	01/31/24 05:32	01/31/24 05:32	JCP	Mt. Juliet, TN

MW-29 L1700104-35 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 13:12 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216580	10	01/31/24 05:53	01/31/24 05:53	JCP	Mt. Juliet, TN

MW-14 L1700104-36 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 13:15 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2215837	10	01/31/24 07:04	01/31/24 07:04	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216580	100	01/31/24 06:33	01/31/24 06:33	JCP	Mt. Juliet, TN

MW-06 L1700104-37 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 13:40 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216580	20	01/31/24 06:13	01/31/24 06:13	JCP	Mt. Juliet, TN

MW-13 L1700104-38 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 13:45 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2215837	10	01/31/24 07:29	01/31/24 07:29	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216580	100	01/31/24 06:53	01/31/24 06:53	JCP	Mt. Juliet, TN

MW-09 L1700104-39 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 14:08 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216580	100	01/31/24 07:14	01/31/24 07:14	JCP	Mt. Juliet, TN

MW-09 DUP L1700104-40 GW

Collected by: Craig Sovka | Collected date/time: 01/24/24 14:08 | Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216590	200	01/31/24 07:22	01/31/24 07:22	JCP	Mt. Juliet, TN

SAMPLE SUMMARY

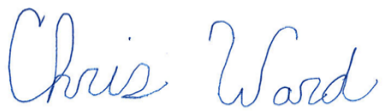
MW-11 L1700104-41 GW

Collected by: Craig Sovka
Collected date/time: 01/24/24 14:10
Received date/time: 01/29/24 09:15

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2216590	500	01/31/24 07:43	01/31/24 07:43	JCP	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	01/30/2024 15:20	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 15:20	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 15:20	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 15:20	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 15:20	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 15:20	WG2216068
(S) Toluene-d8	*103*			*80.0-120*		*01/30/2024 15:20*	WG2216068
(S) 4-Bromofluorobenzene	*98.7*			*77.0-126*		*01/30/2024 15:20*	WG2216068
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*01/30/2024 15:20*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	01/30/2024 15:42	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 15:42	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 15:42	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 15:42	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 15:42	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 15:42	WG2216068
(S) Toluene-d8	*104*			*80.0-120*		*01/30/2024 15:42*	WG2216068
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*01/30/2024 15:42*	WG2216068
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*01/30/2024 15:42*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	01/30/2024 16:04	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 16:04	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 16:04	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 16:04	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 16:04	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 16:04	WG2216068
(S) Toluene-d8	*103*			*80.0-120*		*01/30/2024 16:04*	WG2216068
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*		*01/30/2024 16:04*	WG2216068
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*01/30/2024 16:04*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	01/30/2024 16:26	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 16:26	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 16:26	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 16:26	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 16:26	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 16:26	WG2216068
(S) Toluene-d8	*104*			*80.0-120*		*01/30/2024 16:26*	WG2216068
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*01/30/2024 16:26*	WG2216068
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*01/30/2024 16:26*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	01/30/2024 16:48	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 16:48	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 16:48	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 16:48	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 16:48	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 16:48	WG2216068
(S) Toluene-d8	*103*			*80.0-120*		*01/30/2024 16:48*	WG2216068
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*01/30/2024 16:48*	WG2216068
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*01/30/2024 16:48*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	01/30/2024 17:10	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 17:10	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 17:10	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 17:10	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 17:10	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 17:10	WG2216068
(S) Toluene-d8	*103*			*80.0-120*		*01/30/2024 17:10*	WG2216068
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*01/30/2024 17:10*	WG2216068
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*01/30/2024 17:10*	WG2216068

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	74.4		3.79	10.0	10	01/31/2024 05:19	WG2215837

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	01/30/2024 17:32	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 17:32	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 17:32	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 17:32	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 17:32	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 17:32	WG2216068
(S) Toluene-d8	*101*			*80.0-120*		*01/30/2024 17:32*	WG2216068
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*01/30/2024 17:32*	WG2216068
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*01/30/2024 17:32*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.000543	J	0.000300	0.00100	1	01/30/2024 17:54	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 17:54	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 17:54	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 17:54	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 17:54	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 17:54	WG2216068
(S) Toluene-d8	*101*			*80.0-120*		*01/30/2024 17:54*	WG2216068
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*01/30/2024 17:54*	WG2216068
(S) 1,2-Dichloroethane-d4	*100*			*70.0-130*		*01/30/2024 17:54*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.00112		0.000300	0.00100	1	01/30/2024 18:16	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 18:16	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 18:16	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 18:16	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 18:16	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 18:16	WG2216068
(S) Toluene-d8	*103*			*80.0-120*		*01/30/2024 18:16*	WG2216068
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*01/30/2024 18:16*	WG2216068
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*01/30/2024 18:16*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	0.136		0.00300	0.0100	10	01/30/2024 20:28	WG2216068
Trichloroethene	0.00455	J	0.00190	0.0100	10	01/30/2024 20:28	WG2216068
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	01/30/2024 20:28	WG2216068
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	01/30/2024 20:28	WG2216068
1,1-Dichloroethene	U		0.00188	0.0100	10	01/30/2024 20:28	WG2216068
Vinyl chloride	U		0.00234	0.0100	10	01/30/2024 20:28	WG2216068
(S) Toluene-d8	*104*			*80.0-120*		*01/30/2024 20:28*	WG2216068
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*01/30/2024 20:28*	WG2216068
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*01/30/2024 20:28*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.131		0.000300	0.00100	1	01/30/2024 18:38	WG2216068
Trichloroethene	0.00476		0.000190	0.00100	1	01/30/2024 18:38	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 18:38	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 18:38	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 18:38	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 18:38	WG2216068
(S) Toluene-d8	*106*			*80.0-120*		*01/30/2024 18:38*	WG2216068
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*01/30/2024 18:38*	WG2216068
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*01/30/2024 18:38*	WG2216068

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	208		3.79	10.0	10	01/31/2024 05:46	WG2215837

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.00371		0.000300	0.00100	1	01/30/2024 19:00	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 19:00	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 19:00	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 19:00	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 19:00	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 19:00	WG2216068
(S) Toluene-d8	*104*			*80.0-120*		*01/30/2024 19:00*	WG2216068
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*01/30/2024 19:00*	WG2216068
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*		*01/30/2024 19:00*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.139		0.000300	0.00100	1	01/30/2024 19:22	WG2216068
Trichloroethene	0.00272		0.000190	0.00100	1	01/30/2024 19:22	WG2216068
cis-1,2-Dichloroethene	0.00292		0.000126	0.00100	1	01/30/2024 19:22	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 19:22	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 19:22	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 19:22	WG2216068
(S) Toluene-d8	*104*			*80.0-120*		*01/30/2024 19:22*	WG2216068
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*01/30/2024 19:22*	WG2216068
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*01/30/2024 19:22*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.00870		0.000300	0.00100	1	01/30/2024 19:44	WG2216068
Trichloroethene	U		0.000190	0.00100	1	01/30/2024 19:44	WG2216068
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/30/2024 19:44	WG2216068
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/30/2024 19:44	WG2216068
1,1-Dichloroethene	U		0.000188	0.00100	1	01/30/2024 19:44	WG2216068
Vinyl chloride	U		0.000234	0.00100	1	01/30/2024 19:44	WG2216068
(S) Toluene-d8	*102*			*80.0-120*		*01/30/2024 19:44*	WG2216068
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*01/30/2024 19:44*	WG2216068
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*01/30/2024 19:44*	WG2216068

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.0175		0.000300	0.00100	1	01/31/2024 00:24	WG2216568
Trichloroethene	0.00312		0.000190	0.00100	1	01/31/2024 00:24	WG2216568
cis-1,2-Dichloroethene	0.000566	J	0.000126	0.00100	1	01/31/2024 00:24	WG2216568
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/31/2024 00:24	WG2216568
1,1-Dichloroethene	U		0.000188	0.00100	1	01/31/2024 00:24	WG2216568
Vinyl chloride	U		0.000234	0.00100	1	01/31/2024 00:24	WG2216568
(S) Toluene-d8	*103*			*80.0-120*		*01/31/2024 00:24*	WG2216568
(S) 4-Bromofluorobenzene	*84.7*			*77.0-126*		*01/31/2024 00:24*	WG2216568
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*01/31/2024 00:24*	WG2216568

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.0177		0.000300	0.00100	1	01/31/2024 00:45	WG2216568
Trichloroethene	0.00244		0.000190	0.00100	1	01/31/2024 00:45	WG2216568
cis-1,2-Dichloroethene	0.000794	J	0.000126	0.00100	1	01/31/2024 00:45	WG2216568
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/31/2024 00:45	WG2216568
1,1-Dichloroethene	U		0.000188	0.00100	1	01/31/2024 00:45	WG2216568
Vinyl chloride	U		0.000234	0.00100	1	01/31/2024 00:45	WG2216568
(S) Toluene-d8	*105*			*80.0-120*		*01/31/2024 00:45*	WG2216568
(S) 4-Bromofluorobenzene	*87.2*			*77.0-126*		*01/31/2024 00:45*	WG2216568
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*01/31/2024 00:45*	WG2216568

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.0128		0.000300	0.00100	1	01/31/2024 01:05	WG2216568
Trichloroethene	U		0.000190	0.00100	1	01/31/2024 01:05	WG2216568
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/31/2024 01:05	WG2216568
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/31/2024 01:05	WG2216568
1,1-Dichloroethene	U		0.000188	0.00100	1	01/31/2024 01:05	WG2216568
Vinyl chloride	U		0.000234	0.00100	1	01/31/2024 01:05	WG2216568
(S) Toluene-d8	*101*			*80.0-120*		*01/31/2024 01:05*	WG2216568
(S) 4-Bromofluorobenzene	*84.0*			*77.0-126*		*01/31/2024 01:05*	WG2216568
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*01/31/2024 01:05*	WG2216568

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.0859		0.000300	0.00100	1	01/31/2024 01:26	WG2216568
Trichloroethene	0.00280		0.000190	0.00100	1	01/31/2024 01:26	WG2216568
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/31/2024 01:26	WG2216568
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/31/2024 01:26	WG2216568
1,1-Dichloroethene	U		0.000188	0.00100	1	01/31/2024 01:26	WG2216568
Vinyl chloride	U		0.000234	0.00100	1	01/31/2024 01:26	WG2216568
(S) Toluene-d8	*103*			*80.0-120*		*01/31/2024 01:26*	WG2216568
(S) 4-Bromofluorobenzene	*85.0*			*77.0-126*		*01/31/2024 01:26*	WG2216568
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*01/31/2024 01:26*	WG2216568

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.0760		0.000300	0.00100	1	01/31/2024 01:46	WG2216568
Trichloroethene	0.00197		0.000190	0.00100	1	01/31/2024 01:46	WG2216568
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/31/2024 01:46	WG2216568
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/31/2024 01:46	WG2216568
1,1-Dichloroethene	U		0.000188	0.00100	1	01/31/2024 01:46	WG2216568
Vinyl chloride	U		0.000234	0.00100	1	01/31/2024 01:46	WG2216568
(S) Toluene-d8	*104*			*80.0-120*		*01/31/2024 01:46*	WG2216568
(S) 4-Bromofluorobenzene	*87.4*			*77.0-126*		*01/31/2024 01:46*	WG2216568
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*		*01/31/2024 01:46*	WG2216568

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	7.22		0.0150	0.0500	50	01/31/2024 20:40	WG2217423
Trichloroethene	0.0341	J	0.00950	0.0500	50	01/31/2024 20:40	WG2217423
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	01/31/2024 20:40	WG2217423
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	01/31/2024 20:40	WG2217423
1,1-Dichloroethene	U		0.00940	0.0500	50	01/31/2024 20:40	WG2217423
Vinyl chloride	U		0.0117	0.0500	50	01/31/2024 20:40	WG2217423
(S) Toluene-d8	*99.9*			*80.0-120*		*01/31/2024 20:40*	WG2217423
(S) 4-Bromofluorobenzene	*93.8*			*77.0-126*		*01/31/2024 20:40*	WG2217423
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*01/31/2024 20:40*	WG2217423

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.0943		0.000300	0.00100	1	01/31/2024 02:07	WG2216568
Trichloroethene	0.145		0.000190	0.00100	1	01/31/2024 02:07	WG2216568
cis-1,2-Dichloroethene	0.0394		0.000126	0.00100	1	01/31/2024 02:07	WG2216568
trans-1,2-Dichloroethene	0.0271		0.000149	0.00100	1	01/31/2024 02:07	WG2216568
1,1-Dichloroethene	0.000260	J	0.000188	0.00100	1	01/31/2024 02:07	WG2216568
Vinyl chloride	0.000236	J	0.000234	0.00100	1	01/31/2024 02:07	WG2216568
(S) Toluene-d8	*103*			*80.0-120*		*01/31/2024 02:07*	WG2216568
(S) 4-Bromofluorobenzene	*86.3*			*77.0-126*		*01/31/2024 02:07*	WG2216568
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*01/31/2024 02:07*	WG2216568

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	7.12		0.0150	0.0500	50	01/31/2024 21:16	WG2217423
Trichloroethene	0.0207	J	0.00950	0.0500	50	01/31/2024 21:16	WG2217423
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	01/31/2024 21:16	WG2217423
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	01/31/2024 21:16	WG2217423
1,1-Dichloroethene	U		0.00940	0.0500	50	01/31/2024 21:16	WG2217423
Vinyl chloride	U		0.0117	0.0500	50	01/31/2024 21:16	WG2217423
(S) Toluene-d8	*103*			*80.0-120*		*01/31/2024 21:16*	WG2217423
(S) 4-Bromofluorobenzene	*94.7*			*77.0-126*		*01/31/2024 21:16*	WG2217423
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*01/31/2024 21:16*	WG2217423

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	8.65		0.0150	0.0500	50	01/31/2024 21:35	WG2217423
Trichloroethene	0.0216	J	0.00950	0.0500	50	01/31/2024 21:35	WG2217423
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	01/31/2024 21:35	WG2217423
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	01/31/2024 21:35	WG2217423
1,1-Dichloroethene	U		0.00940	0.0500	50	01/31/2024 21:35	WG2217423
Vinyl chloride	U		0.0117	0.0500	50	01/31/2024 21:35	WG2217423
(S) Toluene-d8	*104*			*80.0-120*		*01/31/2024 21:35*	WG2217423
(S) 4-Bromofluorobenzene	*94.6*			*77.0-126*		*01/31/2024 21:35*	WG2217423
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*01/31/2024 21:35*	WG2217423

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	7.98		0.0150	0.0500	50	01/31/2024 21:54	WG2217423
Trichloroethene	0.0220	J	0.00950	0.0500	50	01/31/2024 21:54	WG2217423
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	01/31/2024 21:54	WG2217423
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	01/31/2024 21:54	WG2217423
1,1-Dichloroethene	U		0.00940	0.0500	50	01/31/2024 21:54	WG2217423
Vinyl chloride	U		0.0117	0.0500	50	01/31/2024 21:54	WG2217423
(S) Toluene-d8	*102*			*80.0-120*		*01/31/2024 21:54*	WG2217423
(S) 4-Bromofluorobenzene	*91.8*			*77.0-126*		*01/31/2024 21:54*	WG2217423
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*01/31/2024 21:54*	WG2217423

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.258		0.00300	0.0100	10	01/31/2024 22:13	WG2217423
Trichloroethene	0.00704		0.000190	0.00100	1	01/31/2024 02:27	WG2216568
cis-1,2-Dichloroethene	0.00250		0.000126	0.00100	1	01/31/2024 02:27	WG2216568
trans-1,2-Dichloroethene	0.000175	J	0.000149	0.00100	1	01/31/2024 02:27	WG2216568
1,1-Dichloroethene	U		0.000188	0.00100	1	01/31/2024 02:27	WG2216568
Vinyl chloride	U		0.000234	0.00100	1	01/31/2024 02:27	WG2216568
(S) Toluene-d8	*102*			*80.0-120*		*01/31/2024 02:27*	WG2216568
(S) Toluene-d8	*105*			*80.0-120*		*01/31/2024 22:13*	WG2217423
(S) 4-Bromofluorobenzene	*82.5*			*77.0-126*		*01/31/2024 02:27*	WG2216568
(S) 4-Bromofluorobenzene	*92.8*			*77.0-126*		*01/31/2024 22:13*	WG2217423
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*01/31/2024 02:27*	WG2216568
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*01/31/2024 22:13*	WG2217423

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	5.00		0.0150	0.0500	50	01/31/2024 22:32	WG2217423
Trichloroethene	0.0129	J	0.00950	0.0500	50	01/31/2024 22:32	WG2217423
cis-1,2-Dichloroethene	0.00717	J	0.00630	0.0500	50	01/31/2024 22:32	WG2217423
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	01/31/2024 22:32	WG2217423
1,1-Dichloroethene	U		0.00940	0.0500	50	01/31/2024 22:32	WG2217423
Vinyl chloride	U		0.0117	0.0500	50	01/31/2024 22:32	WG2217423
(S) Toluene-d8	*104*			*80.0-120*		*01/31/2024 22:32*	WG2217423
(S) 4-Bromofluorobenzene	*96.0*			*77.0-126*		*01/31/2024 22:32*	WG2217423
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*01/31/2024 22:32*	WG2217423

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.205		0.00300	0.0100	10	01/31/2024 22:50	WG2217423
Trichloroethene	0.00618		0.000190	0.00100	1	01/31/2024 02:48	WG2216568
cis-1,2-Dichloroethene	0.000808	J	0.000126	0.00100	1	01/31/2024 02:48	WG2216568
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/31/2024 02:48	WG2216568
1,1-Dichloroethene	U		0.000188	0.00100	1	01/31/2024 02:48	WG2216568
Vinyl chloride	U		0.000234	0.00100	1	01/31/2024 02:48	WG2216568
(S) Toluene-d8	*99.7*			*80.0-120*		*01/31/2024 02:48*	WG2216568
(S) Toluene-d8	*102*			*80.0-120*		*01/31/2024 22:50*	WG2217423
(S) 4-Bromofluorobenzene	*83.3*			*77.0-126*		*01/31/2024 02:48*	WG2216568
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*		*01/31/2024 22:50*	WG2217423
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*01/31/2024 02:48*	WG2216568
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*01/31/2024 22:50*	WG2217423

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.319		0.00150	0.00500	5	01/31/2024 23:09	WG2217423
Trichloroethene	0.0396		0.000950	0.00500	5	01/31/2024 23:09	WG2217423
cis-1,2-Dichloroethene	0.00439	J	0.000630	0.00500	5	01/31/2024 23:09	WG2217423
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	01/31/2024 23:09	WG2217423
1,1-Dichloroethene	U		0.000940	0.00500	5	01/31/2024 23:09	WG2217423
Vinyl chloride	U		0.00117	0.00500	5	01/31/2024 23:09	WG2217423
(S) Toluene-d8	*102*			*80.0-120*		*01/31/2024 23:09*	WG2217423
(S) 4-Bromofluorobenzene	*94.7*			*77.0-126*		*01/31/2024 23:09*	WG2217423
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*01/31/2024 23:09*	WG2217423

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	132		0.300	1.00	1000	01/31/2024 23:28	WG2217423
Trichloroethene	U		0.190	1.00	1000	01/31/2024 23:28	WG2217423
cis-1,2-Dichloroethene	U		0.126	1.00	1000	01/31/2024 23:28	WG2217423
trans-1,2-Dichloroethene	U		0.149	1.00	1000	01/31/2024 23:28	WG2217423
1,1-Dichloroethene	U		0.188	1.00	1000	01/31/2024 23:28	WG2217423
Vinyl chloride	U		0.234	1.00	1000	01/31/2024 23:28	WG2217423
(S) Toluene-d8	*105*			*80.0-120*		*01/31/2024 23:28*	WG2217423
(S) 4-Bromofluorobenzene	*93.6*			*77.0-126*		*01/31/2024 23:28*	WG2217423
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*01/31/2024 23:28*	WG2217423

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.121		0.000300	0.00100	1	01/31/2024 03:09	WG2216568
Trichloroethene	0.000963	J	0.000190	0.00100	1	01/31/2024 03:09	WG2216568
cis-1,2-Dichloroethene	0.000399	J	0.000126	0.00100	1	01/31/2024 03:09	WG2216568
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/31/2024 03:09	WG2216568
1,1-Dichloroethene	U		0.000188	0.00100	1	01/31/2024 03:09	WG2216568
Vinyl chloride	U		0.000234	0.00100	1	01/31/2024 03:09	WG2216568
(S) Toluene-d8	*98.9*			*80.0-120*		*01/31/2024 03:09*	WG2216568
(S) 4-Bromofluorobenzene	*85.1*			*77.0-126*		*01/31/2024 03:09*	WG2216568
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*		*01/31/2024 03:09*	WG2216568

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.197		0.00300	0.0100	10	01/31/2024 23:47	WG2217423
Trichloroethene	0.00972		0.000190	0.00100	1	01/31/2024 03:29	WG2216568
cis-1,2-Dichloroethene	0.0112		0.000126	0.00100	1	01/31/2024 03:29	WG2216568
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/31/2024 03:29	WG2216568
1,1-Dichloroethene	U		0.000188	0.00100	1	01/31/2024 03:29	WG2216568
Vinyl chloride	U		0.000234	0.00100	1	01/31/2024 03:29	WG2216568
(S) Toluene-d8	*101*			*80.0-120*		*01/31/2024 03:29*	WG2216568
(S) Toluene-d8	*103*			*80.0-120*		*01/31/2024 23:47*	WG2217423
(S) 4-Bromofluorobenzene	*84.5*			*77.0-126*		*01/31/2024 03:29*	WG2216568
(S) 4-Bromofluorobenzene	*89.3*			*77.0-126*		*01/31/2024 23:47*	WG2217423
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*01/31/2024 03:29*	WG2216568
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*01/31/2024 23:47*	WG2217423

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.181		0.000300	0.00100	1	01/31/2024 03:50	WG2216568
Trichloroethene	0.0105		0.000190	0.00100	1	01/31/2024 03:50	WG2216568
cis-1,2-Dichloroethene	0.0117		0.000126	0.00100	1	01/31/2024 03:50	WG2216568
trans-1,2-Dichloroethene	0.000152	J	0.000149	0.00100	1	01/31/2024 03:50	WG2216568
1,1-Dichloroethene	U		0.000188	0.00100	1	01/31/2024 03:50	WG2216568
Vinyl chloride	U		0.000234	0.00100	1	01/31/2024 03:50	WG2216568
(S) Toluene-d8	*101*			*80.0-120*		*01/31/2024 03:50*	WG2216568
(S) 4-Bromofluorobenzene	*89.4*			*77.0-126*		*01/31/2024 03:50*	WG2216568
(S) 1,2-Dichloroethane-d4	*129*			*70.0-130*		*01/31/2024 03:50*	WG2216568

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.789		0.00150	0.00500	5	02/01/2024 00:05	WG2217423
Trichloroethene	0.00375	J	0.000950	0.00500	5	02/01/2024 00:05	WG2217423
cis-1,2-Dichloroethene	0.00393	J	0.000630	0.00500	5	02/01/2024 00:05	WG2217423
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	02/01/2024 00:05	WG2217423
1,1-Dichloroethene	U		0.000940	0.00500	5	02/01/2024 00:05	WG2217423
Vinyl chloride	U		0.00117	0.00500	5	02/01/2024 00:05	WG2217423
(S) Toluene-d8	*101*			*80.0-120*		*02/01/2024 00:05*	WG2217423
(S) 4-Bromofluorobenzene	*92.9*			*77.0-126*		*02/01/2024 00:05*	WG2217423
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*02/01/2024 00:05*	WG2217423

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	574		3.79	10.0	10	01/31/2024 06:12	WG2215837

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	1.87		0.00300	0.0100	10	01/31/2024 05:32	WG2216580
Trichloroethene	0.0142		0.00190	0.0100	10	01/31/2024 05:32	WG2216580
cis-1,2-Dichloroethene	0.0222		0.00126	0.0100	10	01/31/2024 05:32	WG2216580
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	01/31/2024 05:32	WG2216580
1,1-Dichloroethene	U		0.00188	0.0100	10	01/31/2024 05:32	WG2216580
Vinyl chloride	U		0.00234	0.0100	10	01/31/2024 05:32	WG2216580
(S) Toluene-d8	*99.5*			*80.0-120*		*01/31/2024 05:32*	WG2216580
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*01/31/2024 05:32*	WG2216580
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*		*01/31/2024 05:32*	WG2216580

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.580		0.00300	0.0100	10	01/31/2024 05:53	WG2216580
Trichloroethene	0.0441		0.00190	0.0100	10	01/31/2024 05:53	WG2216580
cis-1,2-Dichloroethene	0.00855	J	0.00126	0.0100	10	01/31/2024 05:53	WG2216580
trans-1,2-Dichloroethene	0.00697	J	0.00149	0.0100	10	01/31/2024 05:53	WG2216580
1,1-Dichloroethene	U		0.00188	0.0100	10	01/31/2024 05:53	WG2216580
Vinyl chloride	U		0.00234	0.0100	10	01/31/2024 05:53	WG2216580
(S) Toluene-d8	*99.4*			*80.0-120*		*01/31/2024 05:53*	WG2216580
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*01/31/2024 05:53*	WG2216580
(S) 1,2-Dichloroethane-d4	*96.3*			*70.0-130*		*01/31/2024 05:53*	WG2216580

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	407		3.79	10.0	10	01/31/2024 07:04	WG2215837

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	8.16		0.0300	0.100	100	01/31/2024 06:33	WG2216580
Trichloroethene	0.0410	J	0.0190	0.100	100	01/31/2024 06:33	WG2216580
cis-1,2-Dichloroethene	0.0737	J	0.0126	0.100	100	01/31/2024 06:33	WG2216580
trans-1,2-Dichloroethene	U		0.0149	0.100	100	01/31/2024 06:33	WG2216580
1,1-Dichloroethene	U		0.0188	0.100	100	01/31/2024 06:33	WG2216580
Vinyl chloride	U		0.0234	0.100	100	01/31/2024 06:33	WG2216580
(S) Toluene-d8	*98.6*			*80.0-120*		*01/31/2024 06:33*	WG2216580
(S) 4-Bromofluorobenzene	*98.3*			*77.0-126*		*01/31/2024 06:33*	WG2216580
(S) 1,2-Dichloroethane-d4	*96.9*			*70.0-130*		*01/31/2024 06:33*	WG2216580

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	2.30		0.00600	0.0200	20	01/31/2024 06:13	WG2216580
Trichloroethene	0.0214		0.00380	0.0200	20	01/31/2024 06:13	WG2216580
cis-1,2-Dichloroethene	0.0427		0.00252	0.0200	20	01/31/2024 06:13	WG2216580
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	01/31/2024 06:13	WG2216580
1,1-Dichloroethene	U		0.00376	0.0200	20	01/31/2024 06:13	WG2216580
Vinyl chloride	U		0.00468	0.0200	20	01/31/2024 06:13	WG2216580
(S) Toluene-d8	*98.0*			*80.0-120*		*01/31/2024 06:13*	WG2216580
(S) 4-Bromofluorobenzene	*98.6*			*77.0-126*		*01/31/2024 06:13*	WG2216580
(S) 1,2-Dichloroethane-d4	*96.2*			*70.0-130*		*01/31/2024 06:13*	WG2216580

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	436		3.79	10.0	10	01/31/2024 07:29	WG2215837

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	7.89		0.0300	0.100	100	01/31/2024 06:53	WG2216580
Trichloroethene	0.0500	J	0.0190	0.100	100	01/31/2024 06:53	WG2216580
cis-1,2-Dichloroethene	0.108		0.0126	0.100	100	01/31/2024 06:53	WG2216580
trans-1,2-Dichloroethene	U		0.0149	0.100	100	01/31/2024 06:53	WG2216580
1,1-Dichloroethene	U		0.0188	0.100	100	01/31/2024 06:53	WG2216580
Vinyl chloride	U		0.0234	0.100	100	01/31/2024 06:53	WG2216580
(S) Toluene-d8	*99.7*			*80.0-120*		*01/31/2024 06:53*	WG2216580
(S) 4-Bromofluorobenzene	*99.3*			*77.0-126*		*01/31/2024 06:53*	WG2216580
(S) 1,2-Dichloroethane-d4	*96.6*			*70.0-130*		*01/31/2024 06:53*	WG2216580

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	8.36		0.0300	0.100	100	01/31/2024 07:14	WG2216580
Trichloroethene	0.0427	J	0.0190	0.100	100	01/31/2024 07:14	WG2216580
cis-1,2-Dichloroethene	0.0470	J	0.0126	0.100	100	01/31/2024 07:14	WG2216580
trans-1,2-Dichloroethene	U		0.0149	0.100	100	01/31/2024 07:14	WG2216580
1,1-Dichloroethene	U		0.0188	0.100	100	01/31/2024 07:14	WG2216580
Vinyl chloride	U		0.0234	0.100	100	01/31/2024 07:14	WG2216580
(S) Toluene-d8	*101*			*80.0-120*		*01/31/2024 07:14*	WG2216580
(S) 4-Bromofluorobenzene	*98.9*			*77.0-126*		*01/31/2024 07:14*	WG2216580
(S) 1,2-Dichloroethane-d4	*97.0*			*70.0-130*		*01/31/2024 07:14*	WG2216580

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	7.13		0.0600	0.200	200	01/31/2024 07:22	WG2216590
Trichloroethene	U		0.0380	0.200	200	01/31/2024 07:22	WG2216590
cis-1,2-Dichloroethene	U		0.0252	0.200	200	01/31/2024 07:22	WG2216590
trans-1,2-Dichloroethene	U		0.0298	0.200	200	01/31/2024 07:22	WG2216590
1,1-Dichloroethene	U		0.0376	0.200	200	01/31/2024 07:22	WG2216590
Vinyl chloride	U		0.0468	0.200	200	01/31/2024 07:22	WG2216590
(S) Toluene-d8	*103*			*80.0-120*		*01/31/2024 07:22*	WG2216590
(S) 4-Bromofluorobenzene	*99.3*			*77.0-126*		*01/31/2024 07:22*	WG2216590
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*01/31/2024 07:22*	WG2216590

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	44.0		0.150	0.500	500	01/31/2024 07:43	WG2216590
Trichloroethene	0.428	J	0.0950	0.500	500	01/31/2024 07:43	WG2216590
cis-1,2-Dichloroethene	0.752		0.0630	0.500	500	01/31/2024 07:43	WG2216590
trans-1,2-Dichloroethene	U		0.0745	0.500	500	01/31/2024 07:43	WG2216590
1,1-Dichloroethene	U		0.0940	0.500	500	01/31/2024 07:43	WG2216590
Vinyl chloride	U		0.117	0.500	500	01/31/2024 07:43	WG2216590
(S) Toluene-d8	*104*			*80.0-120*		*01/31/2024 07:43*	WG2216590
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*01/31/2024 07:43*	WG2216590
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*01/31/2024 07:43*	WG2216590

Method Blank (MB)

(MB) R4028411-1 01/30/24 22:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00

L1700062-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1700062-01 01/31/24 02:36 • (DUP) R4028411-3 01/31/24 02:49

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	32.2	32.0	1	0.587		15

Laboratory Control Sample (LCS)

(LCS) R4028411-2 01/30/24 22:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	40.0	99.9	80.0-120	

L1700062-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1700062-01 01/31/24 02:36 • (MS) R4028411-4 01/31/24 03:03

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	32.2	66.0	84.5	1	80.0-120	

Method Blank (MB)

(MB) R4028355-3 01/30/24 10:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000300	0.00100
Trichloroethene	U		0.000190	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
Vinyl chloride	U		0.000234	0.00100
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*108*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*

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

(LCS) R4028355-1 01/30/24 09:02 • (LCSD) R4028355-2 01/30/24 09:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.00500	0.00441	0.00415	88.2	83.0	72.0-132			6.07	20
Trichloroethene	0.00500	0.00533	0.00461	107	92.2	78.0-124			14.5	20
cis-1,2-Dichloroethene	0.00500	0.00579	0.00503	116	101	73.0-120			14.0	20
trans-1,2-Dichloroethene	0.00500	0.00515	0.00518	103	104	73.0-120			0.581	20
1,1-Dichloroethene	0.00500	0.00529	0.00461	106	92.2	71.0-124			13.7	20
Vinyl chloride	0.00500	0.00471	0.00419	94.2	83.8	67.0-131			11.7	20
(S) Toluene-d8				*101*	*98.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*104*	*103*	*70.0-130*				

Method Blank (MB)

(MB) R4028403-4 01/30/24 21:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000300	0.00100
Trichloroethene	U		0.000190	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
Vinyl chloride	U		0.000234	0.00100
(S) Toluene-d8	*104*			*80.0-120*
(S) 4-Bromofluorobenzene	*88.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*

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

(LCS) R4028403-1 01/30/24 20:06 • (LCSD) R4028403-2 01/30/24 20:26

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.00500	0.00498	0.00506	99.6	101	72.0-132			1.59	20
Trichloroethene	0.00500	0.00508	0.00515	102	103	78.0-124			1.37	20
cis-1,2-Dichloroethene	0.00500	0.00500	0.00463	100	92.6	73.0-120			7.68	20
trans-1,2-Dichloroethene	0.00500	0.00480	0.00480	96.0	96.0	73.0-120			0.000	20
1,1-Dichloroethene	0.00500	0.00472	0.00448	94.4	89.6	71.0-124			5.22	20
Vinyl chloride	0.00500	0.00568	0.00547	114	109	67.0-131			3.77	20
(S) Toluene-d8				*103*	*104*	*80.0-120*				
(S) 4-Bromofluorobenzene				*89.9*	*91.3*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*117*	*117*	*70.0-130*				

Method Blank (MB)

(MB) R4028980-3 01/30/24 22:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000300	0.00100
Trichloroethene	U		0.000190	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
Vinyl chloride	U		0.000234	0.00100
(S) Toluene-d8	*100*			*80.0-120*
(S) 4-Bromofluorobenzene	*101*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*95.6*			*70.0-130*

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

(LCS) R4028980-1 01/30/24 20:39 • (LCSD) R4028980-2 01/30/24 20:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.00500	0.00465	0.00462	93.0	92.4	72.0-132			0.647	20
Trichloroethene	0.00500	0.00535	0.00533	107	107	78.0-124			0.375	20
cis-1,2-Dichloroethene	0.00500	0.00527	0.00518	105	104	73.0-120			1.72	20
trans-1,2-Dichloroethene	0.00500	0.00528	0.00509	106	102	73.0-120			3.66	20
1,1-Dichloroethene	0.00500	0.00539	0.00531	108	106	71.0-124			1.50	20
Vinyl chloride	0.00500	0.00560	0.00563	112	113	67.0-131			0.534	20
(S) Toluene-d8				*97.6*	*97.9*	*80.0-120*				
(S) 4-Bromofluorobenzene				*99.6*	*99.7*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*93.8*	*94.6*	*70.0-130*				

L1700106-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1700106-01 01/31/24 03:51 • (MS) R4028980-4 01/31/24 07:34 • (MSD) R4028980-5 01/31/24 07:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.00500	U	0.00375	0.00377	75.0	75.4	1	10.0-160			0.532	27
Trichloroethene	0.00500	U	0.00420	0.00431	84.0	86.2	1	10.0-160			2.59	25
cis-1,2-Dichloroethene	0.00500	U	0.00437	0.00453	87.4	90.6	1	10.0-160			3.60	27
trans-1,2-Dichloroethene	0.00500	U	0.00359	0.00364	71.8	72.8	1	17.0-153			1.38	27
1,1-Dichloroethene	0.00500	U	0.00394	0.00412	78.8	82.4	1	11.0-160			4.47	29
Vinyl chloride	0.00500	U	0.00379	0.00391	75.8	78.2	1	10.0-160			3.12	27
(S) Toluene-d8					*94.9*	*96.6*		*80.0-120*				
(S) 4-Bromofluorobenzene					*102*	*101*		*77.0-126*				
(S) 1,2-Dichloroethane-d4					*97.5*	*94.9*		*70.0-130*				

Method Blank (MB)

(MB) R4028398-2 01/30/24 22:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000300	0.00100
Trichloroethene	U		0.000190	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
Vinyl chloride	U		0.000234	0.00100
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*96.1*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4028398-1 01/30/24 21:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Tetrachloroethene	0.00500	0.00402	80.4	72.0-132	
Trichloroethene	0.00500	0.00486	97.2	78.0-124	
cis-1,2-Dichloroethene	0.00500	0.00515	103	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00493	98.6	73.0-120	
1,1-Dichloroethene	0.00500	0.00471	94.2	71.0-124	
Vinyl chloride	0.00500	0.00439	87.8	67.0-131	
(S) Toluene-d8			*98.6*	*80.0-120*	
(S) 4-Bromofluorobenzene			*101*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*104*	*70.0-130*	

Method Blank (MB)

(MB) R4028814-3 01/31/24 19:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000300	0.00100
Trichloroethene	U		0.000190	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
Vinyl chloride	U		0.000234	0.00100
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*119*			*70.0-130*

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

(LCS) R4028814-1 01/31/24 18:22 • (LCSD) R4028814-2 01/31/24 18:41

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.00500	0.00484	0.00446	96.8	89.2	72.0-132			8.17	20
Trichloroethene	0.00500	0.00494	0.00523	98.8	105	78.0-124			5.70	20
cis-1,2-Dichloroethene	0.00500	0.00464	0.00464	92.8	92.8	73.0-120			0.000	20
trans-1,2-Dichloroethene	0.00500	0.00453	0.00416	90.6	83.2	73.0-120			8.52	20
1,1-Dichloroethene	0.00500	0.00468	0.00445	93.6	89.0	71.0-124			5.04	20
Vinyl chloride	0.00500	0.00483	0.00485	96.6	97.0	67.0-131			0.413	20
(S) Toluene-d8				*102*	*98.2*	*80.0-120*				
(S) 4-Bromofluorobenzene				*95.7*	*97.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*121*	*123*	*70.0-130*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:	Billing Information:	
ERO Resources 1626 Cole Blvd. Suite 100 Lakewood, CO 80401	ERO Resources 1626 Cole Blvd. Suite 100 Lakewood, CO 80401	Pres Chk
Report to: Jack Denman	Email To: jdenman@eroresources.com;csovka@eroresour	
Project Description: Thornton Shopping Ctr.	City/State Collected: Thornton CO	Please Circle: PT (MT) CT ET
Phone: 303-830-1188	Client Project # 10197	Lab Project # ERORESDCO-10197
Collected by (print): Craig Sovka	Site/Facility ID #	P.O. #
Collected by (signature): Craig Sovka	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
Immediately Packed on Ice N___ Y X		

Analysis / Container / Preservative

Chain of Custody Page 1 of 5

Pace PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1700104
Table B217
Acctnum: ERORESDCO
Template: T228756
Prelogin: P1049638
PM: 824 - Chris Ward
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-27	G	GW		1/23/24	0930	3		X		-01
MW-10	↓	GW		↓	0955	3		↓		-02
MW-01	↓	GW		↓	1015	3		↓		-03
MW-17	↓	GW		↓	1020	3		↓		-04
MW-05	↓	GW		↓	1025	3		↓		-05
MW-21	↓	GW		↓	1113	3		↓		-06
MW-26D	↓	GW		↓	1130	4	X	↓		-07
MW-22	↓	GW		↓	1140	3		↓		-08
MW-08	↓	GW		↓	1220	3		↓		-09
MW-23D 47-52	↓	GW		↓	1320	3		↓		-10

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

Remarks: Dilution sensitive project, see notes

pH ______ Temp ______
Flow ______ Other ______

Samples returned via: __ UPS ✓ FedEx __ Courier ________

Tracking # 715503025888

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	
Craig Sovka	1/25/24	10:00	[signature]		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 4.4+0=4.4 TDA8 °C Bottles Received: 128	If preservation required by Login: Date/Time
[signature]	1-25-24				
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 01-29-24 Time: 0915	Hold: Condition: NCF / (OK)
			CRodenp		

Company Name/Address:
ERO Resources

1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Billing Information:
ERO Resources
1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Pres Chk

Report to:
Jack Denman

Email To:
jdenman@eroresources.com;csovka@eroresour

Project Description:
Thornton Shopping Ctr.

City/State Collected: **Thornton CO**

Please Circle: PT MT CT ET

Phone: **303-830-1188**

Client Project #
10197

Lab Project #
ERORESDCO-10197

Collected by (print):
Craig Sovka

Site/Facility ID #

P.O. #

Collected by (signature):
Craig Sovka

Immediately Packed on Ice N ___ Y X

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

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-23D 56.5-61.5	G	GW		1/23/24	1350	3		X		-11
MW-23		GW			1352	4	X			-12
MW-23D 31-33.5		GW			1420	3				-13
MW-28		GW			1425	3				-14
MW-31		GW			1503	3				-15
MW-32		GW			1530	3				-16
MW-03		GW		1/24/24	0906	3				-17
MW-04		GW			0928	3				-18
MW-33		GW			0954	3				-19
MW-22D 48-53		GW			1000	3				-20

Analysis / Container / Preservative

Chain of Custody Page 2 of 5

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L700104

Table #

Acctnum: **ERORESDCO**
Template: **T228756**
Prelogin: **P1049638**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

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

Remarks:
Dilution sensitive project, see notes

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS ✓ FedEx __ Courier _____

Tracking # 715503025888

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

	Date:	Time:		
Relinquished by: (Signature) Craig Sovka	1/25/24	10:00	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
Relinquished by: (Signature)	1-25-24	18:00	Received by: (Signature) FedEx	Temp: °C 4.4+0=4.4 TOAB 128 Bottles Received:
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) CR Roberts	Date: 01.29.24 Time: 0915

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Chain of Custody Page 3 of 5

Company Name/Address:	ERO Resources 1626 Cole Blvd. Suite 100 Lakewood, CO 80401
Billing Information:	ERO Resources 1626 Cole Blvd. Suite 100 Lakewood, CO 80401
Report to:	Jack Denman
Email To:	jdenman@eroresources.com;csovka@eroresour
Project Description:	Thornton Shopping Ctr.
City/State Collected:	Thornton CO
Please Circle:	PT MT CT ET
Phone:	303-830-1188
Client Project #	10197
Lab Project #	ERORESDCO-10197
Collected by (print):	Craig Sovka
Site/Facility ID #	
P.O. #	
Collected by (signature):	Craig Sovka
Immediately Packed on Ice N ___ Y X	
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	

Pres Chk

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-34	G	GW		1/24/24	1020	3		X		-21
MW-22D 30-35		GW			1040	3				-22
MW-22D 41-46		GW			1045	3				-23
MW-22D 41-46 Dup		GW			1048	3				-24
MW-35		GW			1046	3				-25
MW-22D 35-40		GW			1100	3				-26
MW-30		GW			1112	3				-27
MW-25		GW			1136	3				-28
MW-22D 55-60		GW			1140	3				-29
MW-12R		GW			1223	3		V		-30

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1700104

Table #

Acctnum: ERORESDCO

Template: T228756

Prelogin: P1049638

PM: 824 - Chris Ward

PB:

Shipped Via: FedEX Ground

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

Remarks: Dilution sensitive project, see notes

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __ UPS _X FedEx __ Courier _____

Tracking # 715503025888

	Date:	Time:		
Relinquished by: (Signature) Craig Sovka	1/25/24	10:00	Received by: (Signature)	Trip Blank Received: Yes / No (No) HCL / MeoH TBR
Relinquished by: (Signature)	1-25-24	18:00	Received by: (Signature) FedEx	Temp: 4.4+0.4=4.4 °C TDAB Bottles Received: 128
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) CRoberts	Date: 01.29.24 Time: 0915

Sample Receipt Checklist

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

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Chain of Custody Page 4 of 5

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Company Name/Address:	**ERO Resources** **1626 Cole Blvd.** **Suite 100** **Lakewood. CO 80401**
Billing Information:	**ERO Resources** **1626 Cole Blvd.** **Suite 100** **Lakewood, CO 80401**
Report to:	**Jack Denman**
Email To:	**jdenman@eroresources.com;csovka@eroresour**
Project Description:	**Thornton Shopping Ctr.**
City/State Collected:	Thornton CO
Please Circle:	PT MT CT ET
Phone:	**303-830-1188**
Client Project #	**10197**
Lab Project #	**ERORESDCO-10197**
Collected by (print):	Craig Sovka
Site/Facility ID #	
P.O. #	
Collected by (signature):	Craig Sovka
Immediately Packed on Ice N ___ Y X	
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	

SDG # UT00104

Table #

Acctnum: **ERORESDCO**

Template: **T228756**

Prelogin: **P1049638**

PM: **824 - Chris Ward**

PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-16	G	GW		1/24/24	1230	3		X		-31
MW-16 Dup		GW			1232	3				-32
MW-02		GW			1245	3				-33
MW-15		GW			1248	4	X			-34
MW-29		GW			1312	3				-35
MW-14		GW			1315	4	X			-36
MW-06		GW			1340	3				-37
MW-13		GW			1345	4	X			-38
MW-09		GW			1408	3				-39
MW-09 Dup	↓	GW		↓	1408	3		↓		-40

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

Remarks: Dilution sensitive project, sounders

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __UPS ✓FedEx __Courier _____

Tracking # 715503025888

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)
Craig Sovka	1/25/24	10:00	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1-25-24	18:06	Fedex
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			CRoberts

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 4.4+0-4.4 °C Bottles Received: 128

Date: 01.29.24 Time: 0915

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

Chain of Custody Page 5 of 5

Company Name/Address:
ERO Resources
1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Billing Information:
ERO Resources
1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Pres Chk

Report to: **Jack Denman**

Email To: **jdenman@eroresources.com;csovka@eroresour**

Project Description: **Thornton Shopping Ctr.**

City/State Collected: **Thornton CO**

Please Circle: PT MT CT ET

Phone: **303-830-1188**

Client Project # **10197**

Lab Project # **ERORESDCO-10197**

Collected by (print): **Craig Sovka**

Site/Facility ID #

P.O. #

Collected by (signature): **Craig Sovka**

Immediately Packed on Ice N ___ Y X

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-11	G	GW		1/24/24	1410	3		X		41
		GW								
		GW								
		GW								
		GW								
		GW								
		GW								
		GW								
		GW								
		GW								

Shipped Via: **FedEX Ground**

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1700104

Table #

Acctnum: **ERORESDCO**

Template: **T228756**

Prelogin: **P1049638**

PM: **824 - Chris Ward**

PB:

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

Remarks: Dilution sensitive project, see notes

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: __UPS ✓FedEx __Courier _____

Tracking # 715503025888

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)
craigsovka	1/25/24	10:00	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	1-25-24	18:00	FedEx
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			CRoberts

Trip Blank Received: Yes / (No) HCL / MeoH TBR

Temp: 4.4+0=4.4 °C Bottles Received: 10 18 128

Date: 01.29.24 Time: 0918

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

ANALYTICAL REPORT

May 06, 2024

ERO Resources

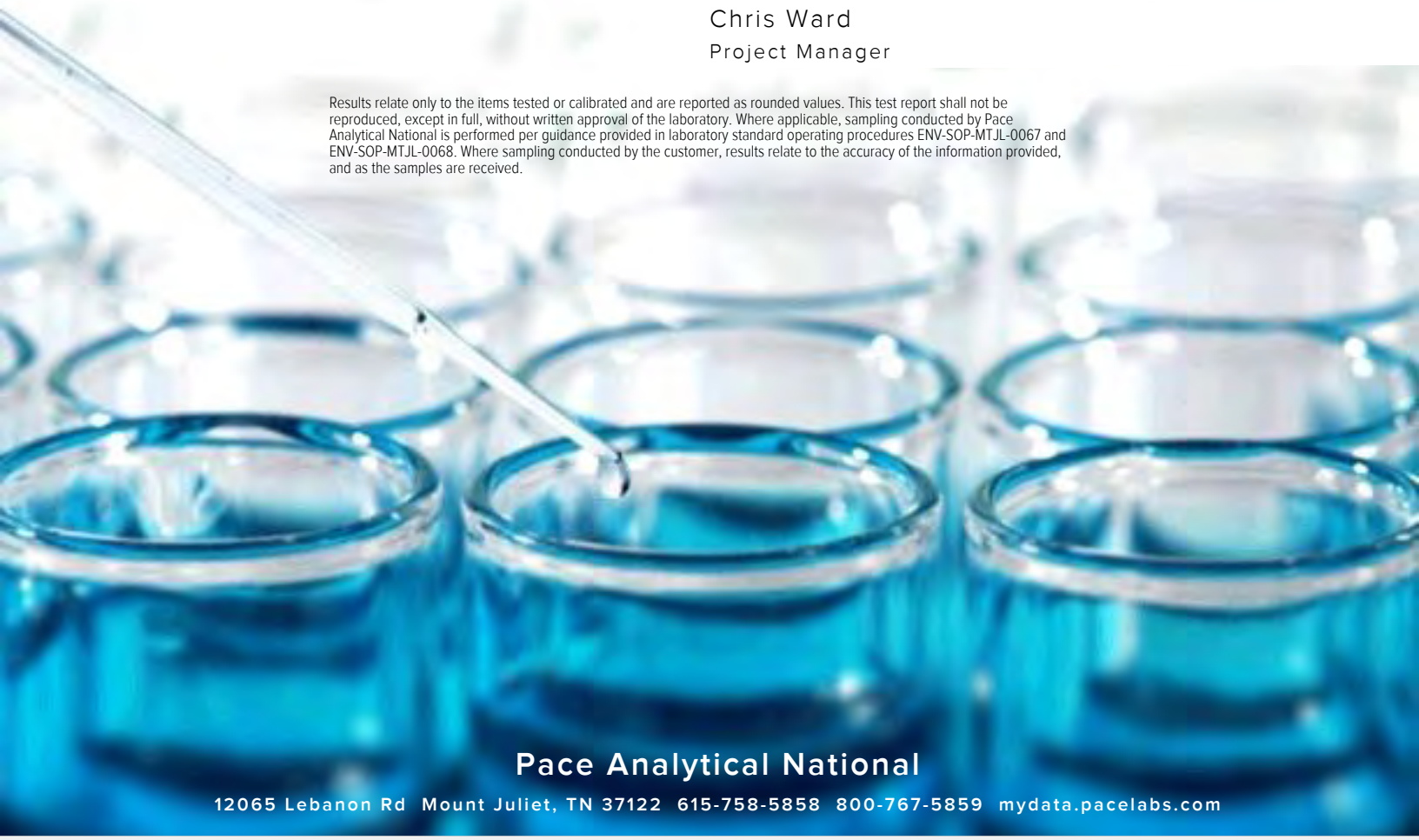
Sample Delivery Group:	L1729700
Samples Received:	04/26/2024
Project Number:	10197
Description:	Thornton Shopping Ctr.

Report To:

Jack Denman
1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Entire Report Reviewed By:

Chris Ward
Project Manager



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

TABLE OF CONTENTS

MW-27 L1729700-01 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 09:34 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 02:52	05/01/24 02:52	DYW	Mt. Juliet, TN

MW-10 L1729700-02 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 09:57 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 03:13	05/01/24 03:13	DYW	Mt. Juliet, TN

MW-17 L1729700-03 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 10:18 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 03:34	05/01/24 03:34	DYW	Mt. Juliet, TN

MW-21 L1729700-04 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 10:46 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 03:54	05/01/24 03:54	DYW	Mt. Juliet, TN

MW-22 L1729700-05 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 11:09 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 04:15	05/01/24 04:15	DYW	Mt. Juliet, TN

MW-05 L1729700-06 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 11:15 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 04:35	05/01/24 04:35	DYW	Mt. Juliet, TN

MW-08 L1729700-07 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 11:35 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 04:56	05/01/24 04:56	DYW	Mt. Juliet, TN

MW-23 L1729700-08 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 12:00 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2277905	5	05/01/24 18:22	05/01/24 18:22	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 05:16	05/01/24 05:16	DYW	Mt. Juliet, TN

MW-28 L1729700-09 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 12:27 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 05:37	05/01/24 05:37	DYW	Mt. Juliet, TN

MW-26D L1729700-10 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 12:45 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2277905	1	05/01/24 18:51	05/01/24 18:51	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 05:58	05/01/24 05:58	DYW	Mt. Juliet, TN

MW-03 L1729700-11 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 12:49 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 06:18	05/01/24 06:18	DYW	Mt. Juliet, TN

MW-01 L1729700-12 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 13:00 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 06:39	05/01/24 06:39	DYW	Mt. Juliet, TN

MW-31 L1729700-13 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 13:32 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 06:59	05/01/24 06:59	DYW	Mt. Juliet, TN

MW-32 L1729700-14 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 14:01 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 07:20	05/01/24 07:20	DYW	Mt. Juliet, TN

MW-33 L1729700-15 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 14:24 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 07:41	05/01/24 07:41	DYW	Mt. Juliet, TN

MW-23D 56.5-61.5 L1729700-16 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 14:30 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 08:01	05/01/24 08:01	DYW	Mt. Juliet, TN

MW-23D 47-52 L1729700-17 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 14:45 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	10	05/01/24 09:03	05/01/24 09:03	DYW	Mt. Juliet, TN

MW-34 L1729700-18 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 14:47 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 08:22	05/01/24 08:22	DYW	Mt. Juliet, TN

MW-23D 31-33.5 L1729700-19 GW

Collected by: Craig Sovka | Collected date/time: 04/23/24 15:00 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277755	1	05/01/24 08:42	05/01/24 08:42	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2280053	10	05/03/24 22:12	05/03/24 22:12	KSD	Mt. Juliet, TN

MW-04 L1729700-20 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 09:10 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	1	05/01/24 03:42	05/01/24 03:42	DYW	Mt. Juliet, TN

MW-12R L1729700-21 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 09:34 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	1	05/01/24 04:07	05/01/24 04:07	DYW	Mt. Juliet, TN

MW-16 L1729700-22 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 09:59 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	10	05/01/24 05:19	05/01/24 05:19	DYW	Mt. Juliet, TN

MW-16 DUP L1729700-23 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 09:59 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	10	05/01/24 05:43	05/01/24 05:43	DYW	Mt. Juliet, TN

MW-30 L1729700-24 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 10:33 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	10	05/01/24 06:07	05/01/24 06:07	DYW	Mt. Juliet, TN

MW-22D 55-60 L1729700-25 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 10:45 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	1000	05/01/24 06:31	05/01/24 06:31	DYW	Mt. Juliet, TN

MW-22D 55-60 DUP L1729700-26 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 10:46 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	1000	05/01/24 06:55	05/01/24 06:55	DYW	Mt. Juliet, TN

MW-35 L1729700-27 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 10:56 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	1	05/01/24 04:31	05/01/24 04:31	DYW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2279323	10	05/02/24 21:13	05/02/24 21:13	DYW	Mt. Juliet, TN

MW-22D 35-40 L1729700-28 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 11:00 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	200	05/01/24 07:19	05/01/24 07:19	DYW	Mt. Juliet, TN

MW-22D 30-35 L1729700-29 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 11:10 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	50	05/01/24 07:43	05/01/24 07:43	DYW	Mt. Juliet, TN

MW-29 L1729700-30 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 11:18 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	10	05/01/24 08:07	05/01/24 08:07	DYW	Mt. Juliet, TN

MW-25 L1729700-31 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 11:45 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	5	05/01/24 08:31	05/01/24 08:31	DYW	Mt. Juliet, TN

MW-15 L1729700-32 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 11:55 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2277905	10	05/01/24 19:00	05/01/24 19:00	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	10	05/01/24 08:55	05/01/24 08:55	DYW	Mt. Juliet, TN

MW-02 L1729700-33 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 12:17 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	5	05/01/24 09:20	05/01/24 09:20	DYW	Mt. Juliet, TN

MW-06 L1729700-34 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 12:20 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	20	05/01/24 09:44	05/01/24 09:44	DYW	Mt. Juliet, TN

MW-09 L1729700-35 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 12:40 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	100	05/01/24 10:08	05/01/24 10:08	DYW	Mt. Juliet, TN

MW-09 DUP L1729700-36 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 12:40 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	100	05/01/24 10:31	05/01/24 10:31	DYW	Mt. Juliet, TN

MW-14 L1729700-37 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 12:50 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2278730	10	05/02/24 17:28	05/02/24 17:28	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	100	05/01/24 10:55	05/01/24 10:55	DYW	Mt. Juliet, TN

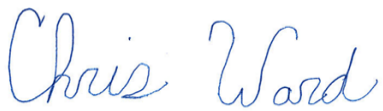
MW-13 L1729700-38 GW

Collected by: Craig Sovka | Collected date/time: 04/24/24 13:20 | Received date/time: 04/26/24 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Wet Chemistry by Method 9056A	WG2278730	10	05/02/24 17:46	05/02/24 17:46	GEB	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG2277756	100	05/01/24 11:19	05/01/24 11:19	DYW	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Chris Ward
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	05/01/2024 02:52	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 02:52	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 02:52	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 02:52	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 02:52	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 02:52	WG2277755
(S) Toluene-d8	*100*			*80.0-120*		*05/01/2024 02:52*	WG2277755
(S) 4-Bromofluorobenzene	*99.6*			*77.0-126*		*05/01/2024 02:52*	WG2277755
(S) 1,2-Dichloroethane-d4	*125*			*70.0-130*		*05/01/2024 02:52*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	05/01/2024 03:13	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 03:13	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 03:13	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 03:13	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 03:13	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 03:13	WG2277755
(S) Toluene-d8	*99.7*			*80.0-120*		*05/01/2024 03:13*	WG2277755
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*		*05/01/2024 03:13*	WG2277755
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*05/01/2024 03:13*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	05/01/2024 03:34	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 03:34	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 03:34	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 03:34	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 03:34	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 03:34	WG2277755
(S) Toluene-d8	*98.3*			*80.0-120*		*05/01/2024 03:34*	WG2277755
(S) 4-Bromofluorobenzene	*95.2*			*77.0-126*		*05/01/2024 03:34*	WG2277755
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/01/2024 03:34*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	05/01/2024 03:54	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 03:54	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 03:54	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 03:54	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 03:54	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 03:54	WG2277755
(S) Toluene-d8	*103*			*80.0-120*		*05/01/2024 03:54*	WG2277755
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*05/01/2024 03:54*	WG2277755
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/01/2024 03:54*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.000413	J	0.000300	0.00100	1	05/01/2024 04:15	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 04:15	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 04:15	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 04:15	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 04:15	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 04:15	WG2277755
(S) Toluene-d8	*103*			*80.0-120*		*05/01/2024 04:15*	WG2277755
(S) 4-Bromofluorobenzene	*99.4*			*77.0-126*		*05/01/2024 04:15*	WG2277755
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*05/01/2024 04:15*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	05/01/2024 04:35	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 04:35	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 04:35	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 04:35	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 04:35	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 04:35	WG2277755
(S) Toluene-d8	*106*			*80.0-120*		*05/01/2024 04:35*	WG2277755
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/01/2024 04:35*	WG2277755
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*05/01/2024 04:35*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.00290		0.000300	0.00100	1	05/01/2024 04:56	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 04:56	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 04:56	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 04:56	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 04:56	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 04:56	WG2277755
(S) Toluene-d8	*99.5*			*80.0-120*		*05/01/2024 04:56*	WG2277755
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*05/01/2024 04:56*	WG2277755
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*05/01/2024 04:56*	WG2277755

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	207		1.90	5.00	5	05/01/2024 18:22	WG2277905

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.00508		0.000300	0.00100	1	05/01/2024 05:16	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 05:16	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 05:16	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 05:16	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 05:16	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 05:16	WG2277755
(S) Toluene-d8	*101*			*80.0-120*		*05/01/2024 05:16*	WG2277755
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*05/01/2024 05:16*	WG2277755
(S) 1,2-Dichloroethane-d4	*124*			*70.0-130*		*05/01/2024 05:16*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.00641		0.000300	0.00100	1	05/01/2024 05:37	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 05:37	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 05:37	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 05:37	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 05:37	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 05:37	WG2277755
(S) Toluene-d8	*99.1*			*80.0-120*		*05/01/2024 05:37*	WG2277755
(S) 4-Bromofluorobenzene	*101*			*77.0-126*		*05/01/2024 05:37*	WG2277755
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*05/01/2024 05:37*	WG2277755

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	85.1		0.379	1.00	1	05/01/2024 18:51	WG2277905

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	05/01/2024 05:58	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 05:58	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 05:58	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 05:58	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 05:58	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 05:58	WG2277755
(S) Toluene-d8	*101*			*80.0-120*		*05/01/2024 05:58*	WG2277755
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*05/01/2024 05:58*	WG2277755
(S) 1,2-Dichloroethane-d4	*122*			*70.0-130*		*05/01/2024 05:58*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.0280		0.000300	0.00100	1	05/01/2024 06:18	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 06:18	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 06:18	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 06:18	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 06:18	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 06:18	WG2277755
(S) Toluene-d8	*101*			*80.0-120*		*05/01/2024 06:18*	WG2277755
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*		*05/01/2024 06:18*	WG2277755
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*05/01/2024 06:18*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	U		0.000300	0.00100	1	05/01/2024 06:39	WG2277755
Trichloroethene	U		0.000190	0.00100	1	05/01/2024 06:39	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 06:39	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 06:39	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 06:39	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 06:39	WG2277755
(S) Toluene-d8	*104*			*80.0-120*		*05/01/2024 06:39*	WG2277755
(S) 4-Bromofluorobenzene	*99.2*			*77.0-126*		*05/01/2024 06:39*	WG2277755
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*05/01/2024 06:39*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	0.0187		0.000300	0.00100	1	05/01/2024 06:59	WG2277755
Trichloroethene	0.00711		0.000190	0.00100	1	05/01/2024 06:59	WG2277755
cis-1,2-Dichloroethene	0.000422	J	0.000126	0.00100	1	05/01/2024 06:59	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 06:59	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 06:59	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 06:59	WG2277755
(S) Toluene-d8	*100*			*80.0-120*		*05/01/2024 06:59*	WG2277755
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*05/01/2024 06:59*	WG2277755
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*05/01/2024 06:59*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.0197		0.000300	0.00100	1	05/01/2024 07:20	WG2277755
Trichloroethene	0.00269		0.000190	0.00100	1	05/01/2024 07:20	WG2277755
cis-1,2-Dichloroethene	0.000617	J	0.000126	0.00100	1	05/01/2024 07:20	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 07:20	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 07:20	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 07:20	WG2277755
(S) Toluene-d8	*99.1*			*80.0-120*		*05/01/2024 07:20*	WG2277755
(S) 4-Bromofluorobenzene	*97.8*			*77.0-126*		*05/01/2024 07:20*	WG2277755
(S) 1,2-Dichloroethane-d4	*130*			*70.0-130*		*05/01/2024 07:20*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.0883		0.000300	0.00100	1	05/01/2024 07:41	WG2277755
Trichloroethene	0.00282		0.000190	0.00100	1	05/01/2024 07:41	WG2277755
cis-1,2-Dichloroethene	0.000378	J	0.000126	0.00100	1	05/01/2024 07:41	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 07:41	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 07:41	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 07:41	WG2277755
(S) Toluene-d8	*103*			*80.0-120*		*05/01/2024 07:41*	WG2277755
(S) 4-Bromofluorobenzene	*97.7*			*77.0-126*		*05/01/2024 07:41*	WG2277755
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*05/01/2024 07:41*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.180		0.000300	0.00100	1	05/01/2024 08:01	WG2277755
Trichloroethene	0.00475		0.000190	0.00100	1	05/01/2024 08:01	WG2277755
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 08:01	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 08:01	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 08:01	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 08:01	WG2277755
(S) Toluene-d8	*96.9*			*80.0-120*		*05/01/2024 08:01*	WG2277755
(S) 4-Bromofluorobenzene	*98.4*			*77.0-126*		*05/01/2024 08:01*	WG2277755
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/01/2024 08:01*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	0.152		0.00300	0.0100	10	05/01/2024 09:03	WG2277755
Trichloroethene	0.00705	J	0.00190	0.0100	10	05/01/2024 09:03	WG2277755
cis-1,2-Dichloroethene	0.00155	J	0.00126	0.0100	10	05/01/2024 09:03	WG2277755
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	05/01/2024 09:03	WG2277755
1,1-Dichloroethene	U		0.00188	0.0100	10	05/01/2024 09:03	WG2277755
Vinyl chloride	U		0.00234	0.0100	10	05/01/2024 09:03	WG2277755
(S) Toluene-d8	*97.1*			*80.0-120*		*05/01/2024 09:03*	WG2277755
(S) 4-Bromofluorobenzene	*94.7*			*77.0-126*		*05/01/2024 09:03*	WG2277755
(S) 1,2-Dichloroethane-d4	*127*			*70.0-130*		*05/01/2024 09:03*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.115		0.000300	0.00100	1	05/01/2024 08:22	WG2277755
Trichloroethene	0.158		0.000190	0.00100	1	05/01/2024 08:22	WG2277755
cis-1,2-Dichloroethene	0.0486		0.000126	0.00100	1	05/01/2024 08:22	WG2277755
trans-1,2-Dichloroethene	0.0312		0.000149	0.00100	1	05/01/2024 08:22	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 08:22	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 08:22	WG2277755
(S) Toluene-d8	*103*			*80.0-120*		*05/01/2024 08:22*	WG2277755
(S) 4-Bromofluorobenzene	*97.4*			*77.0-126*		*05/01/2024 08:22*	WG2277755
(S) 1,2-Dichloroethane-d4	*129*			*70.0-130*		*05/01/2024 08:22*	WG2277755

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.145		0.00300	0.0100	10	05/03/2024 22:12	WG2280053
Trichloroethene	0.00435		0.000190	0.00100	1	05/01/2024 08:42	WG2277755
cis-1,2-Dichloroethene	0.00412		0.000126	0.00100	1	05/01/2024 08:42	WG2277755
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 08:42	WG2277755
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 08:42	WG2277755
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 08:42	WG2277755
(S) Toluene-d8	*99.1*			*80.0-120*		*05/01/2024 08:42*	WG2277755
(S) Toluene-d8	*97.2*			*80.0-120*		*05/03/2024 22:12*	WG2280053
(S) 4-Bromofluorobenzene	*94.9*			*77.0-126*		*05/01/2024 08:42*	WG2277755
(S) 4-Bromofluorobenzene	*80.6*			*77.0-126*		*05/03/2024 22:12*	WG2280053
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*		*05/01/2024 08:42*	WG2277755
(S) 1,2-Dichloroethane-d4	*128*			*70.0-130*		*05/03/2024 22:12*	WG2280053

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.0984		0.000300	0.00100	1	05/01/2024 03:42	WG2277756
Trichloroethene	0.00248		0.000190	0.00100	1	05/01/2024 03:42	WG2277756
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 03:42	WG2277756
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 03:42	WG2277756
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 03:42	WG2277756
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 03:42	WG2277756
(S) Toluene-d8	*122*	J1		*80.0-120*		*05/01/2024 03:42*	WG2277756
(S) 4-Bromofluorobenzene	*113*			*77.0-126*		*05/01/2024 03:42*	WG2277756
(S) 1,2-Dichloroethane-d4	*87.2*			*70.0-130*		*05/01/2024 03:42*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	0.161		0.000300	0.00100	1	05/01/2024 04:07	WG2277756
Trichloroethene	0.000530	J	0.000190	0.00100	1	05/01/2024 04:07	WG2277756
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	05/01/2024 04:07	WG2277756
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 04:07	WG2277756
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 04:07	WG2277756
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 04:07	WG2277756
(S) Toluene-d8	*121*	J1		*80.0-120*		*05/01/2024 04:07*	WG2277756
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/01/2024 04:07*	WG2277756
(S) 1,2-Dichloroethane-d4	*90.1*			*70.0-130*		*05/01/2024 04:07*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.175		0.00300	0.0100	10	05/01/2024 05:19	WG2277756
Trichloroethene	0.00350	J	0.00190	0.0100	10	05/01/2024 05:19	WG2277756
cis-1,2-Dichloroethene	0.00292	J	0.00126	0.0100	10	05/01/2024 05:19	WG2277756
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	05/01/2024 05:19	WG2277756
1,1-Dichloroethene	U		0.00188	0.0100	10	05/01/2024 05:19	WG2277756
Vinyl chloride	U		0.00234	0.0100	10	05/01/2024 05:19	WG2277756
(S) Toluene-d8	*119*			*80.0-120*		*05/01/2024 05:19*	WG2277756
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*05/01/2024 05:19*	WG2277756
(S) 1,2-Dichloroethane-d4	*94.4*			*70.0-130*		*05/01/2024 05:19*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.189		0.00300	0.0100	10	05/01/2024 05:43	WG2277756
Trichloroethene	U		0.00190	0.0100	10	05/01/2024 05:43	WG2277756
cis-1,2-Dichloroethene	0.00418	J	0.00126	0.0100	10	05/01/2024 05:43	WG2277756
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	05/01/2024 05:43	WG2277756
1,1-Dichloroethene	U		0.00188	0.0100	10	05/01/2024 05:43	WG2277756
Vinyl chloride	U		0.00234	0.0100	10	05/01/2024 05:43	WG2277756
(S) Toluene-d8	*118*			*80.0-120*		*05/01/2024 05:43*	WG2277756
(S) 4-Bromofluorobenzene	*114*			*77.0-126*		*05/01/2024 05:43*	WG2277756
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*05/01/2024 05:43*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.268		0.00300	0.0100	10	05/01/2024 06:07	WG2277756
Trichloroethene	0.00341	J	0.00190	0.0100	10	05/01/2024 06:07	WG2277756
cis-1,2-Dichloroethene	U		0.00126	0.0100	10	05/01/2024 06:07	WG2277756
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	05/01/2024 06:07	WG2277756
1,1-Dichloroethene	U		0.00188	0.0100	10	05/01/2024 06:07	WG2277756
Vinyl chloride	U		0.00234	0.0100	10	05/01/2024 06:07	WG2277756
(S) Toluene-d8	*124*	J1		*80.0-120*		*05/01/2024 06:07*	WG2277756
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*05/01/2024 06:07*	WG2277756
(S) 1,2-Dichloroethane-d4	*92.3*			*70.0-130*		*05/01/2024 06:07*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	149		0.300	1.00	1000	05/01/2024 06:31	WG2277756
Trichloroethene	U		0.190	1.00	1000	05/01/2024 06:31	WG2277756
cis-1,2-Dichloroethene	U		0.126	1.00	1000	05/01/2024 06:31	WG2277756
trans-1,2-Dichloroethene	U		0.149	1.00	1000	05/01/2024 06:31	WG2277756
1,1-Dichloroethene	U		0.188	1.00	1000	05/01/2024 06:31	WG2277756
Vinyl chloride	U		0.234	1.00	1000	05/01/2024 06:31	WG2277756
(S) Toluene-d8	*126*	J1		*80.0-120*		*05/01/2024 06:31*	WG2277756
(S) 4-Bromofluorobenzene	*122*			*77.0-126*		*05/01/2024 06:31*	WG2277756
(S) 1,2-Dichloroethane-d4	*89.6*			*70.0-130*		*05/01/2024 06:31*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	142		0.300	1.00	1000	05/01/2024 06:55	WG2277756
Trichloroethene	U		0.190	1.00	1000	05/01/2024 06:55	WG2277756
cis-1,2-Dichloroethene	U		0.126	1.00	1000	05/01/2024 06:55	WG2277756
trans-1,2-Dichloroethene	U		0.149	1.00	1000	05/01/2024 06:55	WG2277756
1,1-Dichloroethene	U		0.188	1.00	1000	05/01/2024 06:55	WG2277756
Vinyl chloride	U		0.234	1.00	1000	05/01/2024 06:55	WG2277756
(S) Toluene-d8	*121*	J1		*80.0-120*		*05/01/2024 06:55*	WG2277756
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*05/01/2024 06:55*	WG2277756
(S) 1,2-Dichloroethane-d4	*87.7*			*70.0-130*		*05/01/2024 06:55*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	0.174		0.00300	0.0100	10	05/02/2024 21:13	WG2279323
Trichloroethene	0.00403		0.000190	0.00100	1	05/01/2024 04:31	WG2277756
cis-1,2-Dichloroethene	0.000989	J	0.000126	0.00100	1	05/01/2024 04:31	WG2277756
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	05/01/2024 04:31	WG2277756
1,1-Dichloroethene	U		0.000188	0.00100	1	05/01/2024 04:31	WG2277756
Vinyl chloride	U		0.000234	0.00100	1	05/01/2024 04:31	WG2277756
(S) Toluene-d8	*115*			*80.0-120*		*05/01/2024 04:31*	WG2277756
(S) Toluene-d8	*108*			*80.0-120*		*05/02/2024 21:13*	WG2279323
(S) 4-Bromofluorobenzene	*109*			*77.0-126*		*05/01/2024 04:31*	WG2277756
(S) 4-Bromofluorobenzene	*92.1*			*77.0-126*		*05/02/2024 21:13*	WG2279323
(S) 1,2-Dichloroethane-d4	*86.9*			*70.0-130*		*05/01/2024 04:31*	WG2277756
(S) 1,2-Dichloroethane-d4	*121*			*70.0-130*		*05/02/2024 21:13*	WG2279323

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	12.0		0.0600	0.200	200	05/01/2024 07:19	WG2277756
Trichloroethene	U		0.0380	0.200	200	05/01/2024 07:19	WG2277756
cis-1,2-Dichloroethene	U		0.0252	0.200	200	05/01/2024 07:19	WG2277756
trans-1,2-Dichloroethene	U		0.0298	0.200	200	05/01/2024 07:19	WG2277756
1,1-Dichloroethene	U		0.0376	0.200	200	05/01/2024 07:19	WG2277756
Vinyl chloride	U		0.0468	0.200	200	05/01/2024 07:19	WG2277756
(S) Toluene-d8	*122*	J1		*80.0-120*		*05/01/2024 07:19*	WG2277756
(S) 4-Bromofluorobenzene	*106*			*77.0-126*		*05/01/2024 07:19*	WG2277756
(S) 1,2-Dichloroethane-d4	*91.2*			*70.0-130*		*05/01/2024 07:19*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	7.86		0.0150	0.0500	50	05/01/2024 07:43	WG2277756
Trichloroethene	U		0.00950	0.0500	50	05/01/2024 07:43	WG2277756
cis-1,2-Dichloroethene	U		0.00630	0.0500	50	05/01/2024 07:43	WG2277756
trans-1,2-Dichloroethene	U		0.00745	0.0500	50	05/01/2024 07:43	WG2277756
1,1-Dichloroethene	U		0.00940	0.0500	50	05/01/2024 07:43	WG2277756
Vinyl chloride	U		0.0117	0.0500	50	05/01/2024 07:43	WG2277756
(S) Toluene-d8	*120*			*80.0-120*		*05/01/2024 07:43*	WG2277756
(S) 4-Bromofluorobenzene	*114*			*77.0-126*		*05/01/2024 07:43*	WG2277756
(S) 1,2-Dichloroethane-d4	*84.1*			*70.0-130*		*05/01/2024 07:43*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.831		0.00300	0.0100	10	05/01/2024 08:07	WG2277756
Trichloroethene	0.0362		0.00190	0.0100	10	05/01/2024 08:07	WG2277756
cis-1,2-Dichloroethene	0.00343	J	0.00126	0.0100	10	05/01/2024 08:07	WG2277756
trans-1,2-Dichloroethene	0.00408	J	0.00149	0.0100	10	05/01/2024 08:07	WG2277756
1,1-Dichloroethene	U		0.00188	0.0100	10	05/01/2024 08:07	WG2277756
Vinyl chloride	U		0.00234	0.0100	10	05/01/2024 08:07	WG2277756
(S) Toluene-d8	*114*			*80.0-120*		*05/01/2024 08:07*	WG2277756
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/01/2024 08:07*	WG2277756
(S) 1,2-Dichloroethane-d4	*90.3*			*70.0-130*		*05/01/2024 08:07*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	0.228		0.00150	0.00500	5	05/01/2024 08:31	WG2277756
Trichloroethene	0.0238		0.000950	0.00500	5	05/01/2024 08:31	WG2277756
cis-1,2-Dichloroethene	0.00181	J	0.000630	0.00500	5	05/01/2024 08:31	WG2277756
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	05/01/2024 08:31	WG2277756
1,1-Dichloroethene	U		0.000940	0.00500	5	05/01/2024 08:31	WG2277756
Vinyl chloride	U		0.00117	0.00500	5	05/01/2024 08:31	WG2277756
(S) Toluene-d8	*119*			*80.0-120*		*05/01/2024 08:31*	WG2277756
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*05/01/2024 08:31*	WG2277756
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*05/01/2024 08:31*	WG2277756

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	631		3.79	10.0	10	05/01/2024 19:00	WG2277905

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	1.93		0.00300	0.0100	10	05/01/2024 08:55	WG2277756
Trichloroethene	0.0101		0.00190	0.0100	10	05/01/2024 08:55	WG2277756
cis-1,2-Dichloroethene	0.0157		0.00126	0.0100	10	05/01/2024 08:55	WG2277756
trans-1,2-Dichloroethene	U		0.00149	0.0100	10	05/01/2024 08:55	WG2277756
1,1-Dichloroethene	U		0.00188	0.0100	10	05/01/2024 08:55	WG2277756
Vinyl chloride	U		0.00234	0.0100	10	05/01/2024 08:55	WG2277756
(S) Toluene-d8	*118*			*80.0-120*		*05/01/2024 08:55*	WG2277756
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*05/01/2024 08:55*	WG2277756
(S) 1,2-Dichloroethane-d4	*94.6*			*70.0-130*		*05/01/2024 08:55*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	0.752		0.00150	0.00500	5	05/01/2024 09:20	WG2277756
Trichloroethene	0.00351	J	0.000950	0.00500	5	05/01/2024 09:20	WG2277756
cis-1,2-Dichloroethene	0.00325	J	0.000630	0.00500	5	05/01/2024 09:20	WG2277756
trans-1,2-Dichloroethene	U		0.000745	0.00500	5	05/01/2024 09:20	WG2277756
1,1-Dichloroethene	U		0.000940	0.00500	5	05/01/2024 09:20	WG2277756
Vinyl chloride	U		0.00117	0.00500	5	05/01/2024 09:20	WG2277756
(S) Toluene-d8	*113*			*80.0-120*		*05/01/2024 09:20*	WG2277756
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*05/01/2024 09:20*	WG2277756
(S) 1,2-Dichloroethane-d4	*82.3*			*70.0-130*		*05/01/2024 09:20*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	2.89		0.00600	0.0200	20	05/01/2024 09:44	WG2277756
Trichloroethene	0.0181	J	0.00380	0.0200	20	05/01/2024 09:44	WG2277756
cis-1,2-Dichloroethene	0.0351		0.00252	0.0200	20	05/01/2024 09:44	WG2277756
trans-1,2-Dichloroethene	U		0.00298	0.0200	20	05/01/2024 09:44	WG2277756
1,1-Dichloroethene	U		0.00376	0.0200	20	05/01/2024 09:44	WG2277756
Vinyl chloride	U		0.00468	0.0200	20	05/01/2024 09:44	WG2277756
(S) Toluene-d8	*119*			*80.0-120*		*05/01/2024 09:44*	WG2277756
(S) 4-Bromofluorobenzene	*102*			*77.0-126*		*05/01/2024 09:44*	WG2277756
(S) 1,2-Dichloroethane-d4	*92.2*			*70.0-130*		*05/01/2024 09:44*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Tetrachloroethene	10.2		0.0300	0.100	100	05/01/2024 10:08	WG2277756
Trichloroethene	U		0.0190	0.100	100	05/01/2024 10:08	WG2277756
cis-1,2-Dichloroethene	0.0213	J	0.0126	0.100	100	05/01/2024 10:08	WG2277756
trans-1,2-Dichloroethene	U		0.0149	0.100	100	05/01/2024 10:08	WG2277756
1,1-Dichloroethene	U		0.0188	0.100	100	05/01/2024 10:08	WG2277756
Vinyl chloride	U		0.0234	0.100	100	05/01/2024 10:08	WG2277756
(S) Toluene-d8	*129*	J1		*80.0-120*		*05/01/2024 10:08*	WG2277756
(S) 4-Bromofluorobenzene	*113*			*77.0-126*		*05/01/2024 10:08*	WG2277756
(S) 1,2-Dichloroethane-d4	*96.1*			*70.0-130*		*05/01/2024 10:08*	WG2277756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	8.97		0.0300	0.100	100	05/01/2024 10:31	WG2277756
Trichloroethene	U		0.0190	0.100	100	05/01/2024 10:31	WG2277756
cis-1,2-Dichloroethene	0.0203	J	0.0126	0.100	100	05/01/2024 10:31	WG2277756
trans-1,2-Dichloroethene	U		0.0149	0.100	100	05/01/2024 10:31	WG2277756
1,1-Dichloroethene	U		0.0188	0.100	100	05/01/2024 10:31	WG2277756
Vinyl chloride	U		0.0234	0.100	100	05/01/2024 10:31	WG2277756
(S) Toluene-d8	*119*			*80.0-120*		*05/01/2024 10:31*	WG2277756
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*05/01/2024 10:31*	WG2277756
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*05/01/2024 10:31*	WG2277756

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	428		3.79	10.0	10	05/02/2024 17:28	WG2278730

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	8.63		0.0300	0.100	100	05/01/2024 10:55	WG2277756
Trichloroethene	0.0257	J	0.0190	0.100	100	05/01/2024 10:55	WG2277756
cis-1,2-Dichloroethene	0.0434	J	0.0126	0.100	100	05/01/2024 10:55	WG2277756
trans-1,2-Dichloroethene	U		0.0149	0.100	100	05/01/2024 10:55	WG2277756
1,1-Dichloroethene	U		0.0188	0.100	100	05/01/2024 10:55	WG2277756
Vinyl chloride	U		0.0234	0.100	100	05/01/2024 10:55	WG2277756
(S) Toluene-d8	*121*	J1		*80.0-120*		*05/01/2024 10:55*	WG2277756
(S) 4-Bromofluorobenzene	*111*			*77.0-126*		*05/01/2024 10:55*	WG2277756
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*05/01/2024 10:55*	WG2277756

Wet Chemistry by Method 9056A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Chloride	467		3.79	10.0	10	05/02/2024 17:46	WG2278730

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Tetrachloroethene	9.77		0.0300	0.100	100	05/01/2024 11:19	WG2277756
Trichloroethene	U		0.0190	0.100	100	05/01/2024 11:19	WG2277756
cis-1,2-Dichloroethene	0.0468	J	0.0126	0.100	100	05/01/2024 11:19	WG2277756
trans-1,2-Dichloroethene	U		0.0149	0.100	100	05/01/2024 11:19	WG2277756
1,1-Dichloroethene	U		0.0188	0.100	100	05/01/2024 11:19	WG2277756
Vinyl chloride	U		0.0234	0.100	100	05/01/2024 11:19	WG2277756
(S) Toluene-d8	*126*	J1		*80.0-120*		*05/01/2024 11:19*	WG2277756
(S) 4-Bromofluorobenzene	*110*			*77.0-126*		*05/01/2024 11:19*	WG2277756
(S) 1,2-Dichloroethane-d4	*89.8*			*70.0-130*		*05/01/2024 11:19*	WG2277756

QUALITY CONTROL SUMMARY

L1729700-08,10,32

Method Blank (MB)

(MB) R4065154-1 05/01/24 08:57

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Chloride	U		0.379	1.00

L1729344-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1729344-01 05/01/24 15:50 • (DUP) R4065154-3 05/01/24 16:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	13.3	13.1	1	0.850		15

L1729815-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1729815-01 05/01/24 19:29 • (DUP) R4065154-6 05/01/24 19:38

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	mg/l	mg/l		%		%
Chloride	77.2	77.2	1	0.0373		15

Laboratory Control Sample (LCS)

(LCS) R4065154-2 05/01/24 09:06

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	mg/l	mg/l	%	%	
Chloride	40.0	40.7	102	80.0-120	

L1729344-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1729344-01 05/01/24 15:50 • (MS) R4065154-4 05/01/24 16:09 • (MSD) R4065154-5 05/01/24 16:19

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Chloride	40.0	13.3	52.2	51.9	97.3	96.6	1	80.0-120			0.545	15

L1729815-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1729815-01 05/01/24 19:29 • (MS) R4065154-7 05/01/24 19:48

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
	mg/l	mg/l	mg/l	%		%	
Chloride	40.0	77.2	104	66.0	1	80.0-120	J6

L1729815-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L1729815-01 05/01/24 19:29 • (MS) R4065154-7 05/01/24 19:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier

Sample Narrative:

MS: spike failed due to sample matrix

Method Blank (MB)

(MB) R4065282-1 05/02/24 08:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chloride	U		0.379	1.00

L1729964-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1729964-03 05/02/24 18:53 • (DUP) R4065282-3 05/02/24 19:02

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	67.5	67.8	1	0.373		15

L1730132-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1730132-05 05/02/24 21:06 • (DUP) R4065282-6 05/02/24 21:16

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Chloride	30.8	30.7	1	0.120		15

Laboratory Control Sample (LCS)

(LCS) R4065282-2 05/02/24 08:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Chloride	40.0	41.6	104	80.0-120	

L1729964-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1729964-03 05/02/24 18:53 • (MS) R4065282-4 05/02/24 19:12 • (MSD) R4065282-5 05/02/24 19:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chloride	40.0	67.5	95.0	95.1	68.8	68.9	1	80.0-120	J6	J6	0.0301	15

Sample Narrative:

MS: Spike failure due to matrix interference

MSD: Spike failure due to matrix interference

L1730132-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L1730132-05 05/02/24 21:06 • (MS) R4065282-7 05/02/24 21:25

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Chloride	40.0	30.8	65.6	87.1	1	80.0-120	

Method Blank (MB)

(MB) R4065703-3 05/01/24 01:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000300	0.00100
Trichloroethene	U		0.000190	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
Vinyl chloride	U		0.000234	0.00100
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*99.0*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*

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

(LCS) R4065703-1 05/01/24 00:23 • (LCSD) R4065703-2 05/01/24 00:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.00500	0.00534	0.00569	107	114	72.0-132			6.35	20
Trichloroethene	0.00500	0.00572	0.00594	114	119	78.0-124			3.77	20
cis-1,2-Dichloroethene	0.00500	0.00501	0.00498	100	99.6	73.0-120			0.601	20
trans-1,2-Dichloroethene	0.00500	0.00533	0.00518	107	104	73.0-120			2.85	20
1,1-Dichloroethene	0.00500	0.00571	0.00529	114	106	71.0-124			7.64	20
Vinyl chloride	0.00500	0.00454	0.00449	90.8	89.8	67.0-131			1.11	20
(S) Toluene-d8				*95.9*	*99.3*	*80.0-120*				
(S) 4-Bromofluorobenzene				*97.8*	*99.6*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*125*	*124*	*70.0-130*				

Method Blank (MB)

(MB) R4065180-3 05/01/24 03:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000300	0.00100
Trichloroethene	U		0.000190	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
Vinyl chloride	U		0.000234	0.00100
(S) Toluene-d8	*114*			*80.0-120*
(S) 4-Bromofluorobenzene	*110*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*92.5*			*70.0-130*

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

(LCS) R4065180-1 05/01/24 02:06 • (LCSD) R4065180-2 05/01/24 02:30

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.00500	0.00535	0.00484	107	96.8	72.0-132			10.0	20
Trichloroethene	0.00500	0.00500	0.00537	100	107	78.0-124			7.14	20
cis-1,2-Dichloroethene	0.00500	0.00495	0.00503	99.0	101	73.0-120			1.60	20
trans-1,2-Dichloroethene	0.00500	0.00484	0.00502	96.8	100	73.0-120			3.65	20
1,1-Dichloroethene	0.00500	0.00477	0.00439	95.4	87.8	71.0-124			8.30	20
Vinyl chloride	0.00500	0.00543	0.00560	109	112	67.0-131			3.08	20
(S) Toluene-d8				*104*	*102*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*95.2*	*94.8*	*70.0-130*				

Method Blank (MB)

(MB) R4065427-3 05/02/24 19:51

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000300	0.00100
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*90.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*

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

(LCS) R4065427-1 05/02/24 18:45 • (LCSD) R4065427-2 05/02/24 19:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Tetrachloroethene	0.00500	0.00552	0.00564	110	113	72.0-132			2.15	20
(S) Toluene-d8				*104*	*105*	*80.0-120*				
(S) 4-Bromofluorobenzene				*96.3*	*96.8*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*115*	*116*	*70.0-130*				

Method Blank (MB)

(MB) R4065793-3 05/03/24 20:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Tetrachloroethene	U		0.000300	0.00100
(S) Toluene-d8	*102*			*80.0-120*
(S) 4-Bromofluorobenzene	*81.7*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*120*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R4065793-1 05/03/24 19:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Tetrachloroethene	0.00500	0.00566	113	72.0-132	
(S) Toluene-d8			*98.2*	*80.0-120*	
(S) 4-Bromofluorobenzene			*86.7*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*123*	*70.0-130*	

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
ERO Resources

1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Report to:
Jack Denman

Billing Information:
ERO Resources
1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Email To:
jdenman@eroresources.com;csovka@eroresour

Project Description:
Thornton Shopping Ctr.

City/State Collected: Thornton CO

Please Circle: PT MT CT ET

Phone: **303-830-1188**

Client Project #
10197

Lab Project #
ERORESDCO-10197

Collected by (print):
Craig Sovka

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Analysis / Container / Preservative

Chain of Custody Page 1 of 4

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1719700
J216

Acctnum: **ERORESDCO**
Template: **T228756**
Prelogin: **P1070350**
PM: **824 - Chris Ward**
PB:
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	CHLORIDE 125mlHDPE-NoPres	V8260 40mlAmb-HCl	Remarks	Sample # (lab only)
MW-27	G	GW		4/23/24	0934	3			X		-01
MW-10		GW			0957						-02
MW-17		GW			1018						-03
MW-21		GW			1046						-04
MW-22		GW			1109						-05
MW-05		GW			1115						-06
MW-08		GW			1135						-07
MW-23		GW			1200	4		X			-08
MW-28		GW			1227	3					-09
MW-26D		GW			1245	4		X	X		-10

* 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 # 7315 3188 3054

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

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeoH TBR
Craig Sovka	4/24/24	16:40		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	4-24-24	18:00	Fedex	DPA6 3.0 + 0.1 = 3.1 119
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			tomcem	4-26-24 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
ERO Resources

1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Report to:
Jack Denman

Billing Information:
ERO Resources
1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Email To:
jdenman@eroresources.com;csovka@eroresour

Project Description:
Thornton Shopping Ctr.

City/State Collected:

Please Circle: PT MT CT ET

Phone: **303-830-1188**

Client Project #
10197

Lab Project #
ERORESDCO-10197

Collected by (print):
Craig Sovka

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	CHLORIDE 125mlHDPE-NoPres	V8260 40mlAmb-HCl								Remarks	Sample # (lab only)
MW-03	G	GW		4/23/24	1249	3			X									-11
MW-01		GW			1300													-12
MW-31		GW			1332													-13
MW-32		GW			1401													-14
MW-33		GW			1424													-15
MW-23D 56.5-61.5		GW			1430													-16
MW-23D 47-52		GW			1445													-17
MW-34		GW			1447													-18
MW-23D 31-33.5		GW			1500													-19
MW-04		GW		4/24/24	0910													-20

Chain of Custody Page 2 of 4

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1729700

Table #

Acctnum: **ERORESDCO**
Template: **T228756**
Prelogin: **P1070350**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

* 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
Craig Sovka	4/24/24	1640		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	4-24-24	1800	FedEx	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 4-26-24 Time: 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
ERO Resources

1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Report to:
Jack Denman

Billing Information:
ERO Resources
1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Email To:
jdenman@eroresources.com;csovka@eroresour

Project Description:
Thornton Shopping Ctr.

City/State Collected:

Please Circle: PT MT CT ET

Phone: **303-830-1188**

Client Project #
10197

Lab Project #
ERORESDCO-10197

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 3 of 4

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L729700

Table #

Acctnum: **ERORESDCO**
Template: **T228756**
Prelogin: **P1070350**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Pres Chk	CHLORIDE 125mlHDPE-NoPres	V8260 40mlAmb-HCl							Remarks	Sample # (lab only)
MW-12R	G	GW		4/24/24	0934	3			X								-21
MW-16		GW			0959												-22
MW-16 Dup		GW			0959												-23
MW-30		GW			1033												-24
MW-22D 55-60		GW			1045												-25
MW-22D 55-60 Dup		GW			1046												-26
MW-35		GW			1056												-27
MW-22D 35-40		GW			1100												-28
MW-22D 30-35		GW			1110												-29
MW-29		GW			1118												-30

* Matrix:
S - 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 X N
COC Signed/Accurate: X N
Bottles arrive intact: X N
Correct bottles used: X N
Sufficient volume sent: X N
If Applicable
VOA Zero Headspace: X 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	
Craig Sovka	4/24/24	16:40			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
	4-24-24	18:00	FedEx		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
				4-26-24 0900	

Company Name/Address:
ERO Resources

1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Report to:
Jack Denman

Billing Information:
ERO Resources
1626 Cole Blvd.
Suite 100
Lakewood, CO 80401

Email To:
jdenman@eroresources.com;csovka@eroresour

Project Description:
Thornton Shopping Ctr.

City/State Collected:

Please Circle: PT MT CT ET

Phone: **303-830-1188**

Client Project #
10197

Lab Project #
ERORESDCO-10197

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Analysis / Container / Preservative

Pres Chk

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	CHLORIDE 125mlHDPE-NoPres	V8260 40mlAmb-HCl								Remarks	Sample # (lab only)
MW-25	G	GW		4/24/24	1145	3		X									-31
MW-15		GW			1155	4	X										-32
MW-02		GW			1217	3											-33
MW-06		GW			1220												-34
MW-09		GW			1240												-35
MW-09 Dup		GW			1240												-36
MW-14		GW			1250	4	X										-37
MW-13		GW			1320	4	X										-38
		GW															
		GW															

Chain of Custody Page 4 of 4

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L729700

Table #

Acctnum: **ERORESDCO**
Template: **T228756**
Prelogin: **P1070350**
PM: **824 - Chris Ward**
PB:

Shipped Via: **FedEX Ground**

* 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 X N
COC Signed/Accurate: X N
Bottles arrive intact: X N
Correct bottles used: X N
Sufficient volume sent: X N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: X 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
Craig Sovka	4/24/24	16:40		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
	4-24-24	18:00	FedEx	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				4-26-24 0900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Appendix C Waste Manifest

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. N/A	Manifest Doc No. 6435	2. Page 1 of 1	

GENERATOR

3. Generator's Mailing Address: Thornton Development Authority 9500 Civic Center Dr Thornton, CO 80229 Attn: Chad Howell	Generator's Site Address (If different than mailing): THORNTON SHOPPING CENTER 8866 Washington Street THORNTON, CO 80229	A. Manifest Number WMNA 13566435
4. Generator's Phone 303 538 7390		B. State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID COD180603581
Region 8 Enviro, LLC	COD180603581	D. Transporter's Phone 303-424-4887
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address CONSERVATION SERVICES, INC. (CSI) 41800 E 88TH AVENUE BENNETT, CO 80102	10. US EPA ID Number	G. State Facility ID
		H. State Facility Phone 303-644-4335

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. NON REGULATED LIQUID – Monitoring Well Purge Water WM Profile # 137224CO	16	DM	800	G	
b. CONTROL # 9428 APPROVED for the following 16 drums only: 88, 95, 96, 97, 106, 107, 108, 109, 110, 115, 116, 117, 118, DM101623, DM101723, DM101823.					
c. WM Profile #					

REGULATORY AGENCY:
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, CO 80222-1530

J. Additional Descriptions for Materials Listed Above: CUST ACCT: CSI 2065 CUST NAME: REGION 8 ENVIRO LLC

K. Disposal Location: Elev 5346 N 39 51.125 W 104 37.130 Cell Level Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.: 1-800-424-9300 24HR TOLL FREE

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Chad Howell	for TDA	04	08	24

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Michael Heim		04	08	24

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Sonya Haddock		4	12	2024

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY