



REPORT

GROUNDWATER MONITORING MARCH 2025 BEAR CREEK VILLAGE SHOPPING CENTER

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1.0 INTRODUCTION

This report presents the results of groundwater monitoring conducted by WSP USA Inc. (WSP) at the Bear Creek Village Shopping Center (site) during the month of March 2025.

1.1 Site Description

The site is currently developed as a shopping center known as the Bear Creek Village Shopping Center, located at 17100 - 17262 Redmond Way, in Redmond, King County, Washington. Figure 1 depicts the location of the site on a United States Geological Survey (USGS) topographic map. The existing shopping center development was constructed in phases in approximately 1969, 1977, and 1985. Before the existing shopping center, the site was agricultural land with several houses, outbuildings, and a small warehouse complex along the northern side. The shopping center includes two core building complexes, one stand-alone multi-tenant retail-strip building, and three pad buildings (Taco Time, Jiffy Lube [previously Q-Lube], and O'Reilly Auto Parts [previously Schuck's]). Paved parking areas and limited landscaped areas comprise the remaining area. A dry cleaning establishment known as Bear Creek Cleaners formerly operated on the site. Bear Creek Cleaners was located at the southeastern portion of the site and is the focus of this groundwater monitoring program. A brief background on the history of Bear Creek Cleaners and the resulting remedial investigations is provided in previous monitoring reports (Golder 2020a).

1.2 Purpose and Scope

The purpose of conducting this groundwater monitoring event was to determine groundwater quality with respect to the presence of halogenated volatile organic compounds (HVOCs) due to the former Bear Creek Cleaners operations, and to obtain groundwater elevation data to determine the groundwater flow direction. Golder (now WSP) submitted a request to the Washington State Department of Ecology (Ecology) dated January 14, 2020 (Golder 2020b) to temporarily reduce the number of groundwater monitoring wells sampled from six to two monitoring wells. Ecology approved the request. The reduction in the number of wells sampled is reflected in the scope of work outlined below.

The scope of work for this groundwater monitoring event included the following:

- Collection of groundwater samples from two on-site groundwater-monitoring wells (MW-10A and MW-13).
- Collection of an investigative-derived waste (IDW) sample for waste characterization required for disposal.
- Collection of additional data from these wells including groundwater level measurements, pH, conductivity, dissolved oxygen, turbidity, oxidation-reduction potential, and temperature.
- Implemented field quality control procedures, including collection and analysis of an equipment blank and a duplicate sample from MW-10A.
- Analysis of the groundwater and quality control samples for the presence of HVOCs using United States Environmental Protection Agency (EPA) Method 8260C.
- Analysis of waste characterization sample for the presence of Resource Conservation and Recovery Act (RCRA) 8 metals using EPA Method 200.8/7470A.
- Measurement of static groundwater levels in all on-site monitoring wells.

2.0 MARCH 2025 GROUNDWATER SAMPLING

2.1 Groundwater Investigation Methods

On March 6, 2025, WSP sampled groundwater from two groundwater monitoring wells (MW-10A and MW-13). The wells were purged and sampled in accordance with EPA low-flow sampling guidelines. Figure 2 depicts the location of all pertinent on-site monitoring wells. The March 2025 analytical results are presented in Table 1. Historical analytical results for groundwater sampling conducted since 1999 are summarized in Table 2. A narrative of historical sampling activities was provided in previous monitoring reports (Golder 2020a). Sampling conditions and data collected during the monitoring event were recorded on the Sample Integrity Data Sheets (SIDS) provided in Appendix A and summarized in Table 3. The following methods and procedures were used for measuring water levels in site monitoring wells and collecting groundwater samples:

- Depth to groundwater was measured in all on-site wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-9, MW-10A, MW-13, and MW-14) prior to purging and sampling. Water levels were recorded in the field notes and on the SIDS. Table 4 presents depth to water measurements and elevations. Figure 3 depicts groundwater elevations and approximated contours.
- Dedicated tubing is located in all groundwater monitoring wells and is replaced as needed. Each well was slowly purged of water at a rate of approximately 250-300 milliliters (mL) per minute using a peristaltic pump connected to the dedicated tubing.
- Field parameters of temperature, pH, conductivity, turbidity, dissolved oxygen, and oxidation-reduction potential were measured and recorded during purging at approximately 5-minute intervals until parameters were stable (Table 3). All field parameters were recorded on the SIDS (Appendix A).
- Upon completion of purging, groundwater samples were collected by directly capturing groundwater in three laboratory-provided 40-mL vials pre-preserved with hydrochloric acid. The 40-mL VOA vials were sealed with septa-lined caps and sealed void of air bubbles. The samples were labeled and placed in a cooler with ice.
- For quality control purposes, a duplicate sample and equipment blank were collected. The duplicate sample was collected from MW-10A, which was identified with the sample label MW-20. The equipment blank was collected after sampling at MW-13.
- For waste disposal purposes, an IDW sample was collected from the on-site 55-gallon drum using a clean, unpreserved glass bottle (used as a hand bailer) and then transferred into the nitric acid-preserved bottle necessary for analysis.
- The collected samples were transported to OnSite Environmental Inc. in Redmond, Washington for chemical analysis on the same day as sample collection, following chain-of-custody protocols.

All groundwater and quality control samples were analyzed for the presence of HVOCs using EPA Method 8260C. The quality control goal for the project analytical data is to achieve a control limit of +/- 20 percent relative percent difference (RPD) between an original and its duplicate sample for an individual well. For the March 2025 event, the duplicate sample identification number MW-20 was collected at the same time from well MW-10A. Results for the duplicate are included in Table 2 as bracketed results associated with MW-10A. Figure 4 depicts the detected HVOC concentrations for the wells sampled in March 2025. Figures 5 and 6 depict the detected concentrations of HVOCs for each well over time.

2.2 Water Level Measurements and Groundwater Flow Direction

Static groundwater levels were measured in all on-site monitoring wells (including those that are not sampled for HVOCs) on March 6, 2025 for the March 2025 groundwater sampling event. The groundwater levels measured that day (as well as during historical sampling) are summarized in Table 4. Groundwater elevations on the site are generally at their highest levels during the wetter winter/spring months and lower during the drier summer/fall months. The March 2025 sampling event groundwater levels were similar to previous summer/fall events and the seasonal trend remained consistent with previous events.

The groundwater elevation contour map for March 6, 2025 data is presented in Figure 3. There is some variability in groundwater flow direction across the site, but the inferred groundwater flow direction is generally west or northwesterly, away from Bear Creek, which suggests that Bear Creek loses water to the aquifer in this area. The groundwater gradient measured on March 6, 2025 is generally consistent with historical monitoring results. Low groundwater elevations are observed in MW-4 and MW-10A compared with elevation in surrounding wells. Possible causes for the low groundwater elevations could be from excavations in the area during cleanup actions or stormwater pipe installations. MW-4 and MW-10A values were not used in contouring for Figure 3.

2.3 Groundwater Quality

The groundwater analytical data for PCE, and PCE's HVOC degradation compounds trichloroethene (TCE), 1,3-dichlorobenzene (1,3-DCE), cis-1,2-dichloroethene (cis-1,2-DCE), and vinyl chloride detected in this round of sampling are summarized in Table 1. Table 2 contains the historical sampling results. Appendix B contains a copy of the laboratory analytical data report and data validation. The HVOC concentrations detected during this round of sampling are depicted in Figure 4. Groundwater HVOC concentrations and elevations with respect to time for MW-10/10A and MW-13 are depicted in Figures 5 and 6 for the last 28 years.

PCE or its degradation compounds were detected in both monitoring wells sampled during this period. Both wells are located on the eastern side of the former dry cleaner facility.

2.3.1 Perchloroethylene

PCE was detected in MW-13 at a concentration of 1.7 micrograms per liter ($\mu\text{g/L}$) during the March 2025 sampling event. The practical quantitation limit, or PQL, is 0.20 $\mu\text{g/L}$. PCE was non detect ($<0.20 \mu\text{g/L}$) in MW-10A during the March 2025 sampling round. Figure 7 depicts the PCE detections for the routinely sampled wells since 1999. This figure shows an overall decline in PCE concentrations across the site over time. PCE concentrations did not exceed the Model Toxics Control Act (MTCA) Method A Cleanup Level of 5.0 $\mu\text{g/L}$ in either well during the March 2025 sampling event. PCE concentrations have not exceeded the MTCA Method A Cleanup Level of 5.0 $\mu\text{g/L}$ in any site monitoring well since the March 2013 sampling event.

2.3.2 Trichloroethene

TCE was detected in MW-13 at a concentration slightly greater than the PQL (0.20 $\mu\text{g/L}$) during the March 2025 sampling event at a concentration of 1.3 $\mu\text{g/L}$. TCE was non-detect ($<0.20 \mu\text{g/L}$) in MW-10A during the March 2025 sampling round. Figure 8 depicts the TCE detections for MW-2, MW-3, MW-4, MW-10A, and MW-13 since 1997. TCE concentrations did not exceed the MTCA Method A Cleanup Level of 5.0 $\mu\text{g/L}$ in either well during the March 2025 sampling event. Figure 8 shows an overall decline of TCE concentrations across the site over time. MW-13 had a slight increasing TCE trend from 2011 to 2017 but concentrations appear to be stable since 2017. Seasonal fluctuations remain common. TCE concentrations have not exceeded the MTCA Method A Cleanup Level of 5.0 $\mu\text{g/L}$ in any site monitoring wells since the March 2005 sampling event with only two exceptions. The

exceptions being TCE was detected during the September 2017 (5.1 µg/L) and September 2021 (5.2 µg/L) monitoring events.

2.3.3 Cis-1,2-Dichlorethene

Cis-1,2-DCE was detected at concentrations greater than the PQL (0.20 µg/L) in MW-10A and MW-13 at concentrations of 2.2 µg/L, and 0.99 µg/L, respectively. Cis-1,2-DCE was also detected in the duplicate taken at MW-10A (MW-20) at the same concentration as the parent sample. The concentrations of cis-1,2-DCE detected during the March 2025 sampling event were all less than the current MTCA Method B Cleanup Level of 16 µg/L. Cis-1,2-DCE has never been detected at a concentration exceeding the current or historical (80 µg/L) MTCA Method B Cleanup Level in effect in any of the site wells.

2.3.4 Vinyl Chloride

Vinyl chloride was detected (0.90 µg/L) in MW-10A during the March 2025 sampling event. Vinyl chloride was detected (0.88 µg/L) in the duplicate (MW-20), with a relative percent difference (RPD) of 2.2, well within standard control limits of +/- 20 percent. Figure 9 depicts the vinyl chloride detections for MW-2, MW-3, MW-4, MW-10A, and MW-13 since 1997. This figure shows a general overall site-wide decline of vinyl chloride concentrations with only one exception, MW-10A. Vinyl chloride concentrations have not exceeded the MTCA Method A Cleanup Level of 0.2 µg/L in any site monitoring well since the March 2007 sampling event except at MW-10A.

2.3.5 1,3-Dichlorobenzene

1,3-Dichlorobenzene was not detected in any of the groundwater samples nor equipment blank samples collected during the March 2025 event. 1,3-Dichlorobenzene has not been detected at concentrations greater than the PQL (0.20 µg/L) in Site groundwater samples since September 2011.

2.4 Waste Characterization

2.4.1 RCRA 8 Metals

No RCRA 8 metals were detected in the waste characterization sample above their respective reporting limits.

3.0 CONCLUSIONS AND RECOMMENDATIONS

3.1 Findings and Conclusions

The findings and conclusions of this Groundwater Monitoring Report are summarized as follows:

- During the March 2025 sampling event, there were no detections of any of the constituents of concern (COCs) exceeding MTCA Method A Cleanup Levels, with one exception; MW-10A and associated duplicate sample had a detection of vinyl chloride exceeding the MTCA Method A Cleanup Level (0.2 mg/L).
- Groundwater monitoring data indicates that groundwater is in compliance with State groundwater cleanup criteria under WAC 173-340-720(9)(c) with the exception of vinyl chloride at monitoring well MW-10A.
- WSP will coordinate proper disposal of the drum located on site.

3.2 Recommendations

Based on the findings and conclusions of the March 2025 groundwater monitoring period, the following recommendations are made:

- The sampling program at the site will continue on the semi-annual sampling schedule (typically March and September) until two consecutive monitoring events below MTCA cleanup levels are achieved at which time the frequency will be increased to quarterly sampling to confirm that results are representative of all seasons of the year. Thus, the next routine semi-annual monitoring event schedule should be continued, and the September 2025 sample event scheduled.
- The wells sampled during the next groundwater monitoring event should include MW-10A and MW-13 to confirm trends in HVOC concentrations and to support the goal of four consecutive sampling periods with HVOC concentrations that are less than MTCA Cleanup Levels.

4.0 CLOSING

WSP is pleased to continue working with you on the Bear Creek Village Shopping Center project. If you have any questions regarding this report, please feel free to contact Eric Adams at (425) 883-0777.

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[https://wspnlinenam.sharepoint.com/sites/gld-171576/project files/6 deliverables/2025/march 2025 sampling/31407569.000-r-rev0-march2025 bear creek-2024-04032025.docx](https://wspnlinenam.sharepoint.com/sites/gld-171576/project%20files/6%20deliverables/2025/march%2025%20sampling/31407569.000-r-rev0-march2025%20bear%20creek-2024-04032025.docx)

5.0 REFERENCES

Golder Associates Inc. (Golder). 2020a. Groundwater Monitoring March 2020 Bear Creek Village Shopping Center. June 3.

Golder. 2020b. Correspondence Re: Request to reduce number of wells sampled at Bear Creek Village Shopping Center. Prepared for Grant Yang, Washington State Department of Ecology. January 14.

Tables

Table 1: March 2025 Groundwater Analytical Results

Analytes	Cleanup Level	Units	Monitoring Well		
			MW-10A	MW-20*	MW-13
PCE	5.0 (A)	µg/L	<0.20	<0.20	1.7
TCE	5.0 (A)	µg/L	<0.20	<0.20	1.3
VC	0.2 (A)	µg/L	0.90	0.88	<0.20
cis-1,2-DCE	16 (B)	µg/L	2.2	2.2	0.99
1,3-DCB	---	µg/L	<0.20	<0.20	<0.20
Groundwater Elevation		ft amsl	34.35	34.35	39.62

Notes:

cis -1,2-DCE = *cis* -1,2-Dichloroethene

PCE = Perchloroethylene = Tetrachloroethene

1,3-DCB = 1,3-Dichlorobenzene

TCE = Trichloroethene

VC = Vinyl Chloride

<0.20 = indicates sample was not detected above the laboratory analytical detection limit.

(A) = MTCA Method A Cleanup Level (Model Toxics Control Act Cleanup Regulation - Chapter 173-340 WAC).

(B) = MTCA Method B formula value (Model Toxics Control Act Cleanup Regulation - Chapter 173-340 WAC and Model Toxics Control Act Cleanup Levels and Risk Calculations - February 1996).

Analytical results in parentheses represent duplicate samples.

Bold Italic = indicates the analytical result exceeds the MTCA Method A or B Cleanup Level.

* Duplicate sample collected at MW-10A.

Groundwater elevation determined using the surveyed elevation (NAVD 88 datum) of the top of each well casing.

Elevations given in feet above mean sea level.

Table 2: Historical Groundwater Analytical Results

Monitoring Well ID	Sampling Date	Volatile Organic Compounds (µg/L)			
		PCE	TCE	VC	cis -1,2-DCE
MW-2	10/22/1997	36.7	2.23	<5.0	7.52
	2/19/1999	270	6	<5.0	6
	6/29/1999	<5.0	<5.0	<5.0	<5.0
	9/15/1999	51	<5.0	<5.0	<5.0
	12/14/1999	150	<5.0	<5.0	<5.0
	3/22/2000	39	<5.0	<5.0	<5.0
	9/27/2000	41	<2.0	<2.0	<2.0
	12/20/2000	34	<2.0	<2.0	<2.0
	3/29/2001	82	2.3	<0.20	3
	6/14/2001	51	1.7	<0.20	0.42
	9/12/2001	36	3.8	0.22	3.3
	12/18/2001	50	1.2	<0.20	0.33
	3/26/2002	17 (18)	0.46 (0.45)	<0.20	0.31 (0.37)
	6/10/2002	21 (21)	8.6 (7.0)	<0.20 (<0.20)	2.6 (2.4)
	9/12/2002	4.4	<0.20	<0.20	<0.20
	12/9/2002	4.8	0.46	<0.20	0.33
	3/13/2003	11	1.2	<0.20	1.1
	6/17/2003	11	2.1	0.47	3
	9/9/2003	*	*	*	*
	12/9/2003	30 (28)	0.63 (0.68)	<0.20	<0.20
	3/10/2004	17	0.6	<0.20	<0.20
	6/9/2004	5.2	3.6	<0.20	2.3
	9/22/2004	11	5.2	<0.20	3.6
	12/13/2004	19	0.35	<0.20	<0.20
	3/23/2005	10	2.1	<0.20	1.5
	6/20/2005	13	0.74	<0.20	<0.20
	9/8/2005	4.5	5.4	<0.20	6.2
	3/6/2006	16	0.33	<0.20	<0.20
	9/21/2006	6.1	3.6	<0.20	3.6
	3/16/2007	14	0.47	<0.20	0.28
	9/13/2007	8.8	4.4	<0.20	4.5
	2/28/2008	9.6	0.22	<0.20	<0.20
	9/8/2008	8.6 (8.1)	1.9 (1.9)	<0.20	0.96 (1.0)
	3/24/2009	11(11)	0.38 (0.28)	<0.20	<0.20
	9/18/2009	5.2	4	<0.20	6.4
	5/18/2010	6	<0.20	<0.20	<0.20
	10/7/2010	8.3	1.3	<0.20	1.1
	3/23/2011	7.9	<0.20	<0.20	<0.20
	9/8/2011	7.2	1.5	<0.20	1.2
	3/23/2012	7.0	<0.20	<0.20	<0.20
	9/14/2012	5.3	0.74	<0.20	0.52
	3/28/2013	2.8	<0.20	<0.20	<0.20
	9/4/2013	4.4	0.70	<0.20	0.53
	4/4/2014	3.3	<0.20	<0.20	<0.20
	9/23/2014	2.9	0.73	<0.20	1.7
	3/17/2015	2.6	<0.20	<0.20	<0.20
	9/28/2015	1.2	0.54	<0.20	6.2
	6/15/2016	2.3	0.2	<0.20	<0.20
	9/27/2016	1.6	0.47	<0.20	4.4
	3/29/2017	0.6	<0.20	<0.20	<0.20
	9/14/2017	*	*	*	*
	3/27/2018	0.57	<0.20	<0.20	<0.20
	11/28/2018	2.2	<0.20	<0.20	<0.20
	3/21/2019	1.4	<0.20	<0.20	<0.20
	9/25/2019	1.7	<0.20	<0.20	0.75

Table 2: Historical Groundwater Analytical Results

Monitoring Well ID	Sampling Date	Volatile Organic Compounds (µg/L)			
		PCE	TCE	VC	cis -1,2-DCE
MW-3	10/22/1997	<5.0	<5.0	<5.0	1.09
	2/19/1999	28	11	7	18
	6/29/1999	12	8	4	8
	9/15/1999	<5.0	10	<5.0	10
	12/14/1999	12	8	10	14
	3/22/2000	7	5	<5.0	7
	9/27/2000	<2.0	<2.0	<2.0	12
	12/20/2000	2	<2.0	<2.0	8
	3/29/2001	3.8	4.5	3.3	8.5
	6/14/2001	3.8	4.6	1.5	4.1
	9/12/2001	<0.20	1.4	0.79	6.2
	12/18/2001	1.8	5.7	0.98	5.2
	3/26/2002	0.39	1.5	0.9	3.5
	6/10/2002	<0.20	0.95	0.96	3.3
	9/10/2002	0.23	1.3	0.74	4.3
	12/9/2002	<0.20	0.55	0.74	2.6
	3/13/2003	<0.20	0.5(0.50)	0.45(0.45)	2.7(2.7)
	6/17/2003	<0.20	0.22	0.53	3
	9/9/2003	<0.20	<0.20	0.36	2.7
	12/9/2003	<0.20	0.45	0.33	3.1
	3/11/2004	<0.20	0.48	0.42	1.8
	6/9/2004	<0.20	<0.20	0.35	1.9
	9/22/2004	<0.20	<0.20	0.51	2.0
	12/13/2004	<0.20	0.25	0.31	2.4
	3/23/2005	<0.20	<0.20	0.28	2.0
	6/20/2005	<0.20	<0.20	<0.20	1.2 (1.3)
	9/8/2005	<0.20	<0.20	0.23	1.1
	3/16/2007	<0.20	<0.20	<0.20	0.88
	9/13/2007	<0.20	<0.20	<0.20	0.62
	2/28/2008	<0.20	<0.20	0.22	0.88
	9/8/2008	<0.20	<0.20	<0.20	0.47
	3/24/2009	<0.20	<0.20	<0.20	0.56
	9/18/2009	<0.20	<0.20	<0.20	0.72 (0.73)
	5/18/2010	<0.20	<0.20	<0.20	0.48 (0.52)
	10/7/2010	<0.20	<0.20	<0.20	0.36
	3/23/2011	<0.20	<0.20	<0.20	0.41
	9/8/2011	<0.20	<0.20	<0.20	0.32
	3/23/2012	<0.20	<0.20	<0.20	0.53
	9/14/2012	<0.20	<0.20	<0.20	0.24
	3/28/2013	<0.20	<0.20	<0.20	0.35
	9/4/2013	<0.20	<0.20	<0.20	0.34
	4/4/2014	<0.20	<0.20	<0.20	0.38
	9/23/2014	<0.20	<0.20	<0.20	0.23
	3/17/2015	<0.20	<0.20	<0.20	0.41
	9/28/2015	<0.20	<0.20	<0.20	0.31
	6/15/2016	<0.20	<0.20	<0.20	0.27
	9/27/2016	*	*	*	*
	3/29/2017	<0.20	<0.20	<0.20	0.29
	9/14/2017	*	*	*	*
	3/27/2018	<0.20 (<0.20)	<0.20 (<0.20)	<0.20 (<0.20)	<0.20 (<0.20)
	11/28/2018	<0.20 (<0.20)	<0.20 (<0.20)	<0.20 (<0.20)	0.27 (0.25)
	3/21/2019	<0.20 (<0.20)	<0.20 (<0.20)	<0.20 (<0.20)	<0.20 (<0.20)
	9/25/2019	<0.20 (<0.20)	<0.20 (<0.20)	<0.20 (<0.20)	0.21 (<0.20)

Table 2: Historical Groundwater Analytical Results

Monitoring Well ID	Sampling Date	Volatile Organic Compounds (µg/L)			
		PCE	TCE	VC	cis -1,2-DCE
MW-4	10/22/1997	11.8	5.99(0.50)	1.9	6.84
	2/19/1999	74	17	16	26
	6/29/1999	60	16	14	14
	9/15/1999	42	19	19	16
	12/14/1999	38	14	12	12
	3/22/2000	36	9	<5.0	8
	9/27/2000	16	12	8	14
	12/20/2000	16	8	<2.0	8
	3/29/2001	11	7.5	2.8	5.1
	6/14/2001	6.8	6.1	1	2.1
	9/12/2001	8.3	6.8	1.3	5.7
	12/18/2001	12	6.3	1.7	3.4
	3/26/2002	5.1	2.4	<0.20	1.1
	6/10/2002	5.7	2.7	0.57	2
	9/12/2002	5.4	3.9	0.66	3.4
	12/9/2002	5	3	1.6	2.9
	3/13/2003	6.3	1.8	<0.20	0.71
	6/17/2003	2.7	2.6	0.69	4.4
	9/9/2003	3.5	2.8	0.42	3.2
	12/9/2003	5.7	2.5	0.37	2.9
	3/11/2004	4.1	1.8	0.23	2.0
	6/9/2004	1.8	2.2	0.33	2.4
	9/22/2004	1	1.4	0.68	2.1
	12/13/2004	3.8	1.3	<0.20	0.93
	3/23/2005	2.2	1.0	<0.20	1.5
	6/20/2005	0.74	0.93	0.57	2.1
	9/8/2005	0.64 (0.65)	0.88 (0.88)	<0.20 (<0.20)	2.3 (2.3)
	3/6/2006	1.5 (1.4)	1.2 (1.3)	0.36 (0.33)	0.82 (0.85)
	9/21/2006	0.99 (0.85)	1.1 (1.1)	0.22 (0.25)	1.7 (2.1)
	3/16/2007	2.6 (2.7)	1.7 (1.7)	<0.20 (<0.20)	1.2 (1.2)
	9/13/2007	0.68 (0.63)	0.65 (0.71)	<0.20 (<0.20)	1.2 (1.3)
	2/28/2008	0.73 (0.72)	0.64 (0.61)	0.2 (<0.20)	1.1 (1.1)
	9/8/2008	0.23	2.2	<0.20	4.6
	3/24/2009	0.56	2.9	<0.20	4.8
	9/18/2009	<0.20	1.2	<0.20	8.8
	5/18/2010	0.27	1.6	<0.20	6.9
	10/7/2010	<0.20	0.52	<0.20	2.4
	3/23/2011	0.46	0.48	<0.20	0.66
	9/8/2011	0.23 (0.25)	0.52 (0.58)	<0.20 (<0.20)	5.6 (5.1)
	3/23/2012	0.36 (0.34)	0.58 (0.57)	<0.20 (<0.20)	0.48 (0.47)
	9/14/2012	<0.20 (<0.20)	0.23 (0.29)	<0.20 (<0.20)	5.4 (6.1)
	3/28/2013	<0.20 (<0.20)	0.63 (0.62)	<0.20 (<0.20)	3.4 (3.5)
	9/4/2013	<0.20 (<0.20)	0.21 (0.21)	<0.20 (<0.20)	6.8 (6.7)
	4/4/2014	0.31 (0.29)	0.37 (0.36)	<0.20 (<0.20)	0.83 (0.85)
	9/23/2014	<0.20 (<0.20)	<0.20 (<0.20)	<0.20 (<0.20)	3.8 (3.9)
	3/17/2015	<0.20 (<0.20)	0.32 (0.34)	<0.20 (<0.20)	5.1 (5.4)
	9/28/2015	<0.20 (<0.20)	<0.20 (<0.20)	<0.20 (<0.20)	4.6 (4.6)
	6/15/2016	<0.20 (<0.20)	<0.20 (<0.20)	<0.20 (<0.20)	6.0 (5.7)
	9/27/2016	0.42 (0.37)	1.1 (1.1)	<0.20 (<0.20)	5.5 (5.5)
	3/29/2017	<0.20 (<0.20)	0.35 (0.36)	<0.20 (<0.20)	3.6 (3.8)
	9/14/2017	1.4 (1.5)	3.0 (3.0)	<0.20 (<0.20)	8.0 (8.1)
	3/27/2018	<0.20	<0.20	<0.20	2.4
	11/28/2018	<0.20	<0.20	<0.20	5.2
	3/21/2019	<0.20	<0.20	<0.20	2.8
	9/25/2019	<0.20	<0.20	<0.20	6.0

Table 2: Historical Groundwater Analytical Results

Monitoring Well ID	Sampling Date	Volatile Organic Compounds (µg/L)			
		PCE	TCE	VC	cis -1,2-DCE
MW-9	10/22/1997	<5.0	<5.0	<5.0	<5.0
	2/19/1999	<5.0	<5.0	<5.0	<5.0
	6/29/1999	<5.0	<5.0	<5.0	<5.0
	9/15/1999	<5.0	<5.0	<5.0	<5.0
	12/14/1999	<5.0	<5.0	<5.0	<5.0
	3/22/2000	<5.0	<5.0	<5.0	<5.0
	9/28/2000	<2.0	<2.0	<2.0	<2.0
	12/20/2000	<2.0	<2.0	<2.0	<2.0
	3/28/2001	<0.20	<0.20	<0.20	<0.20
	6/14/2001	<0.20	<0.20	<0.20	<0.20
	9/12/2001	<0.20	<0.20	<0.20	<0.20
	12/18/2001	<0.20	<0.20	<0.20	<0.20
	3/26/2002	<0.20	<0.20	0.21	0.44
	6/10/2002	<0.20	<0.20	<0.20	0.21
	9/10/2002	<0.20	<0.20	<0.20	0.46
	12/9/2002	<0.20	<0.20	<0.20	0.26
	3/13/2003	<0.20	<0.20	<0.20	<0.20
	6/18/2003	<0.20	<0.20	<0.20	<0.20
	9/9/2003	<0.20	<0.20	<0.20	<0.20
	12/9/2003	<0.20	<0.20	<0.20	<0.20
	3/10/2004	<0.20	<0.20	<0.20	<0.20
	6/9/2004	<0.20	<0.20	<0.20	<0.20
	9/22/2004	<0.20	<0.20	<0.20	<0.20
	12/13/2004	<0.20	<0.20	<0.20	<0.20
	3/23/2005	<0.20	<0.20	<0.20	<0.20
	6/20/2005	<0.20	<0.20	<0.20	<0.20
	9/8/2005	<0.20	<0.20	<0.20	<0.20
	3/6/2006	<0.20	<0.20	<0.20	<0.20
	9/21/2006	<0.20	<0.20	<0.20	<0.20
	3/16/2007	<0.20	<0.20	<0.20	<0.20
	9/13/2007	<0.20	<0.20	<0.20	<0.20
	2/28/2008	<0.20	<0.20	<0.20	<0.20
	9/8/2008	<0.20	<0.20	<0.20	<0.20
	3/24/2009	<0.20	<0.20	<0.20	<0.20
	9/18/2009	<0.20	<0.20	<0.20	<0.20
	5/18/2010	<0.20	<0.20	<0.20	<0.20
	10/7/2010	<0.20	<0.20	<0.20	<0.20
	3/23/2011	<0.20	<0.20	<0.20	<0.20
	9/8/2011	<0.20	<0.20	<0.20	<0.20
	3/23/2012	<0.20	<0.20	<0.20	<0.20
	9/14/2012	<0.20	<0.20	<0.20	<0.20
	3/28/2013	<0.20	<0.20	<0.20	<0.20
	9/4/2013	<0.20	<0.20	<0.20	<0.20
	4/4/2014	<0.20	<0.20	<0.20	<0.20
	9/23/2014	<0.20	<0.20	<0.20	<0.20
	3/17/2015	<0.20	<0.20	<0.20	<0.20
	9/28/2015	<0.20	<0.20	<0.20	<0.20
	6/15/2016	<0.20	<0.20	<0.20	<0.20
	9/27/2016	<0.20	<0.20	<0.20	<0.20
	3/29/2017	<0.20	<0.20	<0.20	<0.20
	9/14/2017	<0.20	<0.20	<0.20	<0.20
	3/27/2018	<0.20	<0.20	<0.20	<0.20
	11/28/2018	<0.20	<0.20	<0.20	<0.20
	3/21/2019	<0.20	<0.20	<0.20	<0.20
	9/25/2019	<0.20	<0.20	<0.20	<0.20

Table 2: Historical Groundwater Analytical Results

Monitoring Well ID	Sampling Date	Volatile Organic Compounds (µg/L)			
		PCE	TCE	VC	cis -1,2-DCE
MW-10	10/22/1997	<5.0	<5.0	1.39	2.53
	2/19/1999	67	14	<5.0	22
	6/29/1999	30	14	<5.0	11
	9/15/1999	7	8	<5.0	7
	12/14/1999	15	14	<5.0	21
	3/22/2000	17	9	<5.0	11
	9/28/2000	3	5	<2.0	5
	12/20/2000	4	<2.0	<2.0	6
	3/28/2001	4.2 (4.6)	6.6 (6.2)	2.1 (2.2)	11 (10)
	6/14/2001	4.4	6	0.97	4.6
	9/12/2001	1.1	4.4	1.2	3.6
	12/18/2001	1.8	5.7	0.98	5.2
	3/26/2002	1.1	5.1	0.76	5.1
	6/10/2002	0.28	4.8	0.95	4.5
	9/10/2002	1.3	2	<0.20	2.4
	12/9/2002	<0.20	2.5	0.61	4.9
	3/13/2003	<0.20	2.2	0.22	3.1
	6/18/2003	<0.20	1.6	0.38	5.7
	9/9/2003	<0.20	0.84	0.33	1.9
	12/9/2003	0.31	3.6	0.59	7.5
	3/11/2004	<0.20	2.8	0.53	5.7
	6/9/2004	<0.20	0.64	1.3	4.4
	9/22/2004	<0.20	0.94	1.1	3.2
	12/13/2004	<0.20	0.81	0.51	4.8
	3/23/2005	<0.20	0.62	0.62	4.1
	6/20/2005	0.5	1.5	0.25	3.9
MW-10A	3/16/2007	1.1	1.1	0.28	7.10
	9/13/2007	<0.20	1.5	<0.20	9.1
	2/28/2008	<0.20	0.82	0.33	14
	9/8/2008	<0.20	0.21	0.34	8.7
	3/24/2009	<0.20	<0.20	0.24	6.5
	9/18/2009	<0.20	<0.20	0.27	5
	5/18/2010	<0.20	<0.20	0.52	5.2
	10/7/2010	<0.20	<0.20	0.26 (0.21)	6.4 (6.3)
	3/23/2011	<0.20	<0.20	<0.20 (<0.20)	6.8 (6.8)
	9/8/2011	<0.20	<0.20	0.43	4.1
	3/23/2012	<0.20	<0.20	0.21	4.5
	9/14/2012	<0.20	<0.20	<0.20	4.1
	3/28/2013	<0.20	<0.20	<0.20	4.7
	9/4/2013	<0.20	<0.20	0.54	5.9
	4/4/2014	<0.20	<0.20	<0.20	4.2
	9/23/2014	<0.20	<0.20	0.39	5.5
	3/17/2015	<0.20	<0.20	0.65	5.9
	9/28/2015	<0.20	<0.20	0.41	3.7
	6/15/2016	<0.20	<0.20	0.91	5.8
	9/27/2016	<0.20	<0.20	0.37	3.2
	3/29/2017	<0.20	<0.20	0.59	3.8
	9/14/2017	<0.20	<0.20	0.29	2.3
	3/27/2018	<0.20	<0.20	1.3	3.7
	11/28/2018	<0.20	<0.20	0.32	3.7
	3/21/2019	<0.20	<0.20	1.0	2.9
	9/25/2019	<0.20	<0.20	<0.20	3.1
	3/17/2020	<0.20	<0.20	0.7	3.1
	9/28/2020	<0.20	<0.20	<0.20	2.1
	3/9/2021	<0.20	<0.20	0.39	3.0
	9/21/2021	<0.20 (<0.20)	<0.20 (<0.20)	<0.20 (<0.20)	2.4 (2.4)
	3/23/2022	<0.20 (<0.20)	<0.20 (<0.20)	0.77 (0.79)	3.0 (3.2)
	9/1/2022	<0.20 (<0.20)	<0.20 (<0.20)	1.7 (1.6)	1.7 (1.7)
	3/16/2023	<0.20 (<0.20)	<0.20 (<0.20)	0.24 (0.25)	2.8 (2.9)
	9/7/2023	<0.20 (<0.20)	<0.20 (<0.20)	0.30 (0.31)	2.5 (2.5)
	3/6/2024	<0.20 (<0.20)	0.24 (0.21)	0.52 (0.57)	2.5 (2.4)
	9/4/2024	<0.20 (<0.20)	0.21 (<0.20)	0.26 (0.24)	2.2 (2.2)
	3/6/2025	<0.20 (<0.20)	<0.20 (<0.20)	0.90 (0.88)	2.2 (2.2)

Table 2: Historical Groundwater Analytical Results

Monitoring Well ID	Sampling Date	Volatile Organic Compounds (µg/L)			
		PCE	TCE	VC	cis -1,2-DCE
MW-13	6/29/1999	54	42	<5.0	45
	9/15/1999	38	35	<5.0	41
	12/14/1999	53	48	<5.0	67
	3/22/2000	58	40	<5.0	28
	9/27/2000	27	19	<2.0	16
	12/20/2000	24	13	<2.0	9
	3/28/2001	19	18	0.78	15
	6/14/2001	24	17	0.49	6
	9/12/2001	20	12	<0.20	4.5
	12/18/2001	26	27	0.44	14
	3/26/2002	24	21	<0.20	12
	6/11/2002	22	14	<0.20	6.5
	9/12/2002	14 (12)	11 (9.2)	<0.20 (0.24)	5.8 (4.6)
	12/9/2002	10 (10)	6.5 (6.6)	0.30 (0.29)	2.8 (2.7)
	3/13/2003	12	9.3	0.27	3.8
	6/18/2003	10	6.8	<0.20	4.3
	9/9/2003	10	6.7	<0.20	1.9
	12/9/2003	12	7.2	<0.20	2.7
	3/10/2004	16 (15)	7.7 (7.4)	<0.20	2.2 (2.2)
	6/9/2004	7.9	5.9	<0.20	2.3
	9/22/2004	11(11)	7.7 (7.8)	<0.20 (<0.20)	2.7 (2.7)
	12/13/2004	9.7	5.9	<0.20	2.3
	3/23/2005	8.0	5.1	<0.20	1.7
	6/20/2005	4.9	3.1	<0.20	1.0
	9/8/2005	5.0	3.9	<0.20	1.5
	3/6/2006	8.2	3.5	<0.20	0.78
	9/21/2006	4.2	2.8	<0.20	0.67
	3/16/2007	6.8	3.1	<0.20	0.81
	9/13/2007	3.1	2.2	<0.20	0.59
	2/28/2008	5.7	1.4	<0.20	0.35
	9/8/2008	1.8	2.4	<0.20	0.57
	3/24/2009	4.3	1.4	<0.20	0.47
	9/18/2009	2	2.2	<0.20	0.66
	5/18/2010	4	1.4	<0.20	0.37
	10/7/2010	1.9	2.5	<0.20	0.66
	3/23/2011	4.8	1	<0.20	<0.20
	9/8/2011	1.5	2.2	<0.20	0.47
	3/23/2012	4.5	2.1	<0.20	0.55
	9/14/2012	1.5	2	<0.20	0.51
	3/28/2013	4.1	2.7	<0.20	0.87
	9/4/2013	3.1	3.4	<0.20	1.4
	4/4/2014	4.4	2.2	<0.20	0.54
	9/23/2014	3.7	3.8	<0.20	1.1
	3/17/2015	3.5	2.9	<0.20	1.2
	9/28/2015	4.3	3.6	<0.20	1.1
	6/15/2016	3	3.4	<0.20	0.74
	9/27/2016	3.2	3.9	<0.20	1.1
	3/29/2017	3.6	2.3	<0.20	0.49
	9/14/2017	1.2	5.1	<0.20	1.5
	3/27/2018	2.9	2	<0.20	0.46
	11/28/2018	4	2.5	<0.20	0.64
	3/21/2019	2.9	1.9	<0.20	0.46
	9/25/2019	3	1.9	<0.20	0.47
	3/17/2020	2.7 (2.7)	1.9 (1.9)	<0.20 (<0.20)	0.46 (0.45)
	9/28/2020	2.7 (2.8)	2.6 (2.6)	<0.20 (<0.20)	0.82 (0.82)
	3/9/2021	2.3 (2.2)	2.0 (2.1)	<0.20 (<0.20)	0.84 (0.77)
	9/21/2021	1.4	5.2	<0.20	1.8
	3/23/2022	2.1	2.3	<0.20	1.1
	9/1/2022	1.9	3.2	<0.20	1.6
	3/16/2023	1.9	2.8	<0.20	1.8
	9/7/2023	1.9	2.9	<0.20	1.3
	3/6/2024	3.0	2.3	<0.20	1.1
	9/4/2024	2.2	2.4	<0.20	0.81
	3/6/2025	1.7	1.3	<0.20	0.99

Table 2: Historical Groundwater Analytical Results

Monitoring Well ID	Sampling Date	Volatile Organic Compounds (µg/L)			
		PCE	TCE	VC	<i>cis</i> -1,2-DCE
MW-1	10/22/1997	<5.0	<5.0	7.7	25.2
	2/19/1999	<5.0	<5.0	<5.0	<5.0
	6/29/1999	<5.0	<5.0	<5.0	<5.0
	9/15/1999	<5.0	<5.0	<5.0	<5.0
	12/14/1999	<5.0	<5.0	<5.0	<5.0
	3/22/2000	<5.0	<5.0	<5.0	<5.0
MW-5	10/22/1997	1.58	2.55	<5.0	<5.0
	2/19/1999	<5.0	<5.0	<5.0	<5.0
	6/29/1999	<5.0	<5.0	<5.0	<5.0
	9/15/1999	<5.0	<5.0	<5.0	<5.0
	12/14/1999	<5.0	<5.0	<5.0	<5.0
	3/22/2000	<5.0	<5.0	<5.0	<5.0
MW-6	10/22/1997	<5.0	<5.0	<5.0	<5.0
	2/19/1999	<5.0	<5.0	<5.0	<5.0
MW-7	10/22/1997	<5.0	<5.0	<5.0	<5.0
	2/18/1999	<5.0	<5.0	<5.0	<5.0
MW-8	10/22/1997	<5.0	<5.0	<5.0	<5.0
	2/18/1999	<5.0	<5.0	<5.0	<5.0
MW-11	10/22/1997	<5.0	<5.0	<5.0	<5.0
	2/18/1999	<5.0	<5.0	<5.0	<5.0
MW-12	10/22/1997	<5.0	<5.0	<5.0	<5.0
	2/19/1999	<5.0	<5.0	<5.0	<5.0
MW-14	6/29/1999	<5.0	<5.0	<5.0	<5.0
	9/15/1999	<5.0	<5.0	<5.0	<5.0
	12/14/1999	<5.0	<5.0	<5.0	<5.0
	3/22/2000	<5.0	<5.0	<5.0	<5.0
	9/27/2000	<2.0	<2.0	<2.0	<2.0
	12/20/2000	<2.0	<2.0	<2.0	<2.0
	3/28/2001	<0.20	<0.20	<0.20	<0.20
	6/14/2001	<0.20	<0.20	<0.20	<0.20
	9/12/2001	<0.20	<0.20	<0.20	<0.20
MTCA Cleanup Levels		5.0 A	5.0 A	0.2 A	16 B¹

Notes:

Analytical results in parentheses represent duplicate samples.

Bold Italic = indicates the analytical result exceeds the MTCA Method A or B Cleanup Level.

<0.20 = indicates sample was not detected above the laboratory analytical detection limit.

A = MTCA Method A Cleanup Level (Model Toxics Control Act Cleanup Regulation - Chapter 173-340 WAC).

B = MTCA Method B formula value (Model Toxics Control Act Cleanup Regulation - Chapter 173-340 WAC and

¹ Current (2014) MTCA Method B value. Historical value was 80 µg/L.

* Groundwater elevation resided beneath the well screen. Sample could not be collected.

cis-1,2-DCE = *cis*-1,2-Dichloroethene

PCE = Perchloroethylene = Tetrachloroethene

TCE = Trichloroethene

VC = Vinyl Chloride

Table 3: September 2025 Field Parameters

Monitor Well	pH	Conductivity ($\mu\text{S/cm}$)	Temperature °C	Turbidity NTU	Dissolved Oxygen mg/L	eH rel mV	Purge Rate ml/min	Groundwater Elevation ft amsl
MW-10A	5.95	198.9	14.4	7.4	0.14	35.9	300	34.35
MW-13	5.64	134.7	10.7	9.27	0.07	104.5	250	39.62

Notes:

Groundwater elevation determined using the surveyed elevation (NAVD 88 datum) of the top of each well casing.

Elevations given in feet above mean sea level.

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-1	10 - 20	43.70	10/22/1997	12.41	31.29	
			1/14/1998	10.06	33.64	
			2/18/1999	8.86	34.84	
			6/29/1999	12.35	31.35	
			9/15/1999	13.45	30.25	
			12/14/1999	9.01	34.69	
			3/22/2000	10.14	33.56	
			9/27/2000	13.59	30.11	
			12/20/2000	12.60	31.10	
			3/29/2001	12.30	31.40	
			6/13/2001	12.06	31.64	
			9/12/2001	13.43	30.27	
			12/17/2001	6.63	37.07	
			3/26/2002	9.82	33.88	
			6/10/2002	11.85	31.85	
			9/10/2002	13.33	30.37	
			12/9/2002	13.80	29.90	
			3/12/2003	11.22	32.48	
			6/17/2003	12.41	31.29	
			9/9/2003	14.02	29.68	
			12/9/2003	9.59	34.11	
			3/10/2004	10.21	33.49	
			6/9/2004	12.85	30.85	
			9/22/2004	12.91	30.79	
			12/13/2004	11.17	32.53	
			3/23/2005	12.55	31.15	
			6/20/2005	10.95	32.75	
			9/8/2005	13.49	30.21	
			3/6/2006	9.89	33.81	
			9/21/2006	12.55	31.15	
			3/16/2007	9.77	33.93	
			9/13/2007	13.26	30.44	
		43.69	2/28/2008	9.68	34.01	New Elevation***
			9/8/2008	NC	NC	
			3/24/2009	9.91	33.78	
			9/18/2009	12.91	30.78	
			5/18/2010	10.01	33.68	
			10/7/2010	12.58	31.11	
			3/23/2011	9.01	34.68	
			9/8/2011	13.03	30.66	
			3/23/2012	8.27	35.42	
		47.39	7/9/2012	---	---	New Elevation****
			9/14/2012	Dry	Dry	
			3/28/2013	10.34	37.05	
			9/4/2013	14.15	33.24	
			4/4/2014	9.27	38.12	
			9/23/2014	12.44	34.95	
			3/17/2015	9.52	37.87	
			9/28/2015	Dry	Dry	
			6/15/2016	11.33	36.06	
			9/27/2016	Dry	Dry	
			3/29/2017	8.65	38.74	
			9/14/2017	Dry	Dry	
			3/27/2018	12.47	34.92	
			9/13/2018	Dry	Dry	
			10/4/2018	Dry	Dry	
			11/28/2018	12.76	34.63	
			3/21/2019	11.30	36.09	
			9/25/2019	13.08	34.31	
			3/17/2020	10.02	37.37	
			9/28/2020	12.74	34.65	
			3/9/2021	9.25	38.14	
			9/21/2021	Dry	Dry	
			3/23/2022	8.44	38.95	
			9/1/2022	Dry	Dry	
			3/16/2023	9.61	37.78	
			9/7/2023	Dry	Dry	
			3/6/2024	8.67	38.72	
			9/4/2024	11.2	36.19	
			3/6/2025	8.41	38.98	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-2	10 - 20	44.95	10/22/1997	16.70	28.25	
			1/14/1998	11.51	33.44	
			2/18/1999	7.43	37.52	
			6/29/1999	12.97	31.98	
			9/15/1999	15.46	29.49	
			12/14/1999	7.77	37.18	
			3/22/2000	7.77	37.18	
			9/27/2000	16.41	28.54	
			12/20/2000	11.83	33.12	
			3/28/2001	9.67	35.28	
			6/13/2001	9.85	35.10	
			9/12/2001	17.30	27.65	
			12/17/2001	6.42	38.53	
			3/26/2002	7.72	37.23	
			6/10/2002	10.05	34.90	
			9/10/2002	7.11	37.84	
			12/9/2002	15.10	29.85	
			3/12/2003	9.40	35.55	
			6/17/2003	14.94	30.01	
			9/9/2003	below screen	below screen	
			12/9/2003	8.96	35.99	
			3/10/2004	10.42	34.53	
			6/9/2004	12.32	32.63	
			9/22/2004	12.25	32.70	
			12/13/2004	9.45	35.50	
			3/23/2005	10.21	34.74	
			6/20/2005	9.71	35.24	
			9/8/2005	13.20	31.75	
			3/6/2006	8.06	36.89	
			9/21/2006	12.07	32.88	
			3/16/2007	8.00	36.95	
			9/13/2007	12.58	32.37	
		45.01	2/28/2008	8.69	36.32	New Elevation***
			9/8/2008	10.8	34.21	
			3/24/2009	8.85	36.16	
			9/18/2009	13.15	31.86	
			5/18/2010	9.1	35.91	
			10/7/2010	11.17	33.84	
			3/23/2011	7.55	37.46	
			9/8/2011	11.57	33.44	
			3/23/2012	6.97	38.04	
		48.59	7/9/2012	---	---	New Elevation****
			9/14/2012	11.8	36.79	
			3/28/2013	8.01	40.58	
			9/4/2013	11.41	37.18	
			4/4/2014	7.54	41.05	
			9/23/2014	12.25	36.34	
			3/17/2015	7.84	40.75	
			9/28/2015	13.56	35.03	
			6/15/2016	10.18	38.41	
			9/27/2016	13.83	34.76	
			3/29/2017	6.29	42.30	
			9/14/2017	16.93	31.66	
			3/27/2018	8.38	40.21	
			9/13/2018	Dry	Dry	
			10/4/2018	17.2	31.39	
			11/28/2018	9.44	39.15	
			3/21/2019	8.51	40.08	
			9/25/2019	12.31	36.28	
			3/17/2020	7.99	40.60	
			9/28/2020	13.76	34.83	
			3/9/2021	7.65	40.94	
			9/21/2021	15.94	32.65	
			3/23/2022	6.81	41.78	
			9/1/2022	14.24	34.35	
			3/16/2023	8.32	40.27	
			9/7/2023	16.45	32.14	
			3/6/2024	7.9	40.69	
			9/4/2024	16.7	31.89	
			3/6/2025	8.42	40.17	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-3	10 - 20	45.27	10/22/1997	17.11	28.16	
			1/14/1998	14.26	31.01	
			2/18/1999	12.43	32.84	
			6/29/1999	17.36	27.91	
			9/15/1999	18.70	26.57	
			12/14/1999	12.72	32.55	
			3/22/2000	14.22	31.05	
			9/27/2000	18.72	26.55	
			12/20/2000	17.13	28.14	
			3/28/2001	16.81	28.46	
			6/13/2001	16.82	28.45	
			9/12/2001	18.40	26.87	
			12/17/2001	10.67	34.60	
			3/26/2002	13.52	31.75	
			6/10/2002	16.53	28.74	
			9/10/2002	18.35	26.92	
			12/9/2002	18.12	27.15	
			3/12/2003	15.50	29.77	
			6/17/2003	17.09	28.18	
			9/9/2003	19.30	25.97	
			12/9/2003	13.70	31.57	
			3/10/2004	14.02	31.25	
			6/9/2004	17.46	27.81	
			9/22/2004	17.68	27.59	
			12/13/2004	16.31	28.96	
			3/23/2005	15.04	30.23	
			6/20/2005	16.11	29.16	
			9/8/2005	18.48	26.79	
			3/16/2007	13.15	32.12	
			9/13/2007	17.93	27.34	
			2/28/2008	12.45	32.82	
			9/8/2008	15.15	30.12	
			3/24/2009	13.99	31.28	
			9/18/2009	17.73	27.54	
			5/18/2010	13.96	31.31	
			10/7/2010	16.73	28.54	
			3/23/2011	10.34	34.93	
			9/8/2011	17.47	27.80	
			3/23/2012	9.03	36.24	
		48.91	7/9/2012	---	---	New Elevation****
			9/14/2012	18.41	30.5	
			3/28/2013	10.47	38.44	
			9/4/2013	17.46	31.45	
			4/4/2014	9.34	39.57	
			9/23/2014	15.47	33.44	
			3/17/2015	8.54	40.37	
			9/28/2015	17.56	31.35	
			6/15/2016	12.52	36.39	
			9/27/2016	Dry	Dry	
			3/29/2017	8.80	40.11	
			9/14/2017	Dry	Dry	
			3/27/2018	13.54	35.37	
			9/13/2018	18.40	30.51	
			10/4/2018	17.66	31.25	
			11/28/2018	13.98	34.93	
			3/21/2019	11.26	37.65	
			9/25/2019	16.75	32.16	
			3/17/2020	10.11	38.80	
			9/28/2020	17.40	31.51	
			3/9/2021	9.80	39.11	
			9/21/2021	19.06	29.85	
			3/23/2022	8.74	40.17	
			9/1/2022	18.03	30.88	
			3/16/2023	11.65	37.26	
			9/7/2023	18.86	30.05	
			3/6/2024	9.87	39.04	
			9/4/2024	16.18	32.73	
			3/6/2025	9.52	39.39	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-4	10 - 20	44.44	10/22/1997	16.18	28.26	
			1/14/1998	13.13	31.31	silted up to 18-19'
			2/18/1999	11.85	32.59	
			6/29/1999	15.44	29.00	
			9/15/1999	17.76	26.68	
			12/14/1999	9.46	34.98	
			3/22/2000	10.50	33.94	
			12/9/2002	15.97	28.47	
			12/20/2000	12.66	31.78	
			3/28/2001	9.64	34.80	
			6/13/01/	9.68	34.76	
			9/12/2001	15.32	29.12	
			12/17/2001	8.42	36.02	
			3/26/2002	8.60	35.84	
			6/10/2002	10.24	34.20	
			9/10/2002	14.40	30.04	
			12/9/2002	15.50	28.94	
			3/12/2003	9.00	35.44	
			6/17/2003	10.53	33.91	
			9/9/2003	13.2	31.24	
			12/9/2003	9.56	34.88	
			3/10/2004	8.46	35.98	
			6/9/2004	11.97	32.47	
			9/22/2004	12.83	31.61	
			12/13/2004	9.86	34.58	
			3/23/2005	16.36	28.08	
			6/20/2005	10.03	34.41	
			9/8/2005	13.53	30.91	
			3/6/2006	8.10	36.34	
			9/21/2006	14.81	29.63	
			3/16/2007	10.45	33.99	
			9/13/2007	14.45	29.99	
		44.32	2/28/2008	10.74	33.58	New Elevation***
			9/8/2008	14.70	29.62	
			3/24/2009	12.80	31.52	
			9/18/2009	16.56	27.76	
			5/18/2010	14.00	30.32	
			10/7/2010	15.48	28.84	
			3/23/2011	10.43	33.89	
			9/8/2011	16.62	27.70	
			3/23/2012	9.02	35.30	
		47.96	7/9/2012	---	---	New Elevation****
			9/14/2012	17.36	30.6	
			3/28/2013	12.08	35.88	
			9/4/2013	17.19	30.77	
			4/4/2014	11.70	36.26	
			9/23/2014	16.66	31.30	
			3/17/2015	12.37	35.59	
			9/28/2015	17.37	30.59	
			6/15/2016	16.47	31.49	
			9/27/2016	18.02	29.94	
			3/29/2017	13.33	34.63	
			9/14/2017	18.33	29.63	
			3/27/2018	16.08	31.88	
			9/13/2018	19.38	28.58	
			10/4/2018	19.15	28.81	
			11/28/2018	15.98	31.98	
			3/21/2019	13.88	34.08	
			9/25/2019	17.06	30.90	
			3/17/2020	11.82	36.14	
			9/28/2020	17.14	30.82	
			3/9/2021	12.03	35.93	
			9/21/2021	17.99	29.97	
			3/23/2022	11.15	36.81	
			9/1/2022	17.84	30.12	
			3/16/2023	13.27	34.69	
			9/7/2023	17.81	30.15	
			3/6/2024	12.21	35.75	
			9/4/2024	17.18	30.78	
			3/6/2025	12.37	35.59	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-5	10 - 20	44.87	10/22/1997	14.42	30.02	
			1/14/1998	NA	NA	Well not accessible
			2/18/1999	7.69	37.18	
			6/29/1999	10.10	34.77	
			9/15/1999	11.12	33.75	
			12/14/1999	8.06	36.81	
			3/22/2000	8.25	36.62	
			9/27/2000	11.58	33.29	
			12/20/2000	9.84	35.03	
			3/29/2001	9.51	35.36	
			6/13/2001	9.32	35.55	
			9/12/2001	10.63	34.24	
			12/17/2001	6.60	38.27	
			3/26/2002	7.21	37.66	
			6/10/2002	9.65	35.22	
			9/10/2002	9.30	35.57	
			12/9/2002	9.66	35.21	
			3/12/2003	8.38	36.49	
			6/17/2003	9.97	34.9	
			9/9/2003	11.64	33.23	
			12/9/2003	8.66	36.21	
			3/10/2004	7.91	36.96	
			6/9/2004	11.36	33.51	
			9/22/2004	10.15	34.72	
			12/13/2004	8.91	35.96	
			3/23/2005	10.04	34.83	
			6/20/2005	9.00	35.87	
			9/8/2005	10.83	34.04	
			3/6/2006	7.77	37.10	
			9/21/2006	10.61	34.26	
			3/16/2007	7.15	37.72	
			9/13/2007	10.44	34.43	
		44.92	2/28/2008	8.82	36.10	New Elevation***
			9/8/2008	9.79	35.13	
			3/24/2009	8.71	36.21	
			9/18/2009	10.97	33.95	
			5/18/2010	9.02	35.90	
			10/7/2010	9.98	34.94	
			3/23/2011	6.86	38.06	
			9/8/2011	10.42	34.50	
			3/23/2012	6.35	38.57	
		48.52	7/9/2012	---	---	New Elevation****
			9/14/2012	10.69	37.83	
			3/28/2013	7.93	40.59	
			9/4/2013	10.43	38.09	
			4/4/2014	8.09	40.43	
			9/23/2014	10.13	38.39	
			3/17/2015	6.37	42.15 ¹	
			9/28/2015	10.52	38.00	
			6/15/2016	9.73	38.79	
			9/27/2016	11.13	37.39	
			3/29/2017	5.87	42.65	
			9/14/2017	11.28	37.24	
			3/27/2018	7.70	40.82	
			9/13/2018	10.47	38.05	
			10/4/2018	10.11	38.41	
			11/28/2018	8.79	39.73	
			3/21/2019	8.11	40.41	
			9/25/2019	10.11	38.41	
			3/17/2020	7.26	41.26	
			9/28/2020	10.62	37.90	
			3/9/2021	6.62	41.90	
			9/21/2021	11.21	37.31	
			3/23/2022	6.35	42.17	
			9/1/2022	10.96	37.56	
			3/16/2023	7.66	40.86	
			9/7/2023	11.38	37.14	
			3/6/2024	6.55	41.97	
			9/4/2024	9.81	38.71	
			3/6/2025	6.80	41.72	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-6	10 - 20	45.22	10/22/1997	11.01	33.43	
			1/14/1998	9.63	35.59	
			2/18/1999	8.43	36.79	
			6/29/1999	10.70	34.52	
			9/15/1999	11.86	33.36	
			12/14/1999	8.69	36.53	
			3/22/2000	8.80	36.42	
			9/27/2000	11.24	33.98	
			12/20/2000	10.45	34.77	
			3/28/2001	10.19	35.03	
			6/13/2001	9.83	35.39	
			9/12/2001	10.69	34.53	
			12/17/2001	7.61	37.61	
			3/26/2002	8.01	37.21	
			6/10/2002	9.62	35.60	
			12/9/2002	10.30	34.92	
			3/12/2003	9.40	35.82	
			6/17/2003	10.03	35.19	
			9/9/2003	13.11	32.11	
			12/9/2003	9.05	36.17	
			3/10/2004	8.79	36.43	
			6/9/2004	11.40	33.82	
			9/22/2004	10.21	35.01	
			12/13/2004	9.71	35.51	
			3/23/2005	9.84	35.38	
			6/20/2005	8.44	36.78	
			9/8/2005	10.55	34.67	
			3/6/2006	8.00	37.22	
			9/21/2006	10.06	35.16	
			3/16/2007	8.48	36.74	
			9/13/2007	10.17	35.05	
		45.27	2/28/2008	9.13	36.14	New Elevation***
			9/8/2008	9.50	35.77	
			3/24/2009	9.09	36.18	
			9/18/2009	10.76	34.51	
			5/18/2010	9.30	35.97	
			10/7/2010	9.62	35.65	
			3/23/2011	7.84	37.43	
			9/8/2011	10.18	35.09	
			3/23/2012	7.52	37.75	
		48.84	7/9/2012	---	---	New Elevation****
			9/14/2012	10.51	38.33	
			3/28/2013	8.20	40.64	
			9/4/2013	9.81	39.03	
			4/4/2014	7.90	40.94	
			9/23/2014	9.30	39.54	
			3/17/2015	7.95	40.89	
			9/28/2015	10.54	38.30	
			6/15/2016	9.58	39.26	
			9/27/2016	10.96	37.88	
			3/29/2017	7.32	41.52	
			9/14/2017	10.75	38.09	
			3/27/2018	8.31	40.53	
			9/13/2018	8.72	40.12	
			10/4/2018	8.49	40.35	
			11/28/2018	9.39	39.45	
			3/21/2019	8.72	40.12	
			9/25/2019	10.15	38.69	
			3/17/2020	7.56	41.28	
			9/28/2020	10.35	38.49	
			3/9/2021	7.75	41.09	
			9/21/2021	10.05	38.79	
			3/23/2022	7.11	41.73	
			9/1/2022	10.43	38.41	
			3/16/2023	8.08	40.76	
			9/7/2023	10.66	38.18	
			3/6/2024	7.86	40.98	
			9/4/2024	9.69	39.15	
			3/6/2025	8.34	40.50	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-7	10 - 20	44.01	10/22/1997	18.59	25.85	
			1/14/1998	15.79	28.22	
			2/18/1999	14.27	29.74	
			6/29/1999	18.89	25.12	
			9/15/1999	19.91	24.10	
			12/14/1999	14.19	29.82	
			3/22/2000	16.16	27.85	
			9/27/2000	19.75	24.26	
			12/20/2000	18.44	25.57	
			3/28/2001	18.36	25.65	
			6/13/2001	18.36	25.65	
			9/12/2001	19.43	24.58	
			12/17/2001	12.65	31.36	
			3/26/2002	15.81	28.20	
			6/10/2002	18.21	25.80	
			9/10/2002	19.79	24.22	
			12/9/2002	19.52	24.49	
			3/12/2003	17.02	26.99	
			6/17/2003	18.44	25.57	
			9/9/2003	19.88	24.13	
MW-8	10 - 20	46.23	10/22/1997	20.79	23.65	
			1/14/1998	17.95	28.28	
			2/18/1999	16.51	29.72	
			6/29/1999	21.11	25.12	
			9/15/1999	22.17	24.06	
			12/14/1999	16.43	29.80	
			3/22/2000	18.34	27.89	
			9/27/2000	22.02	24.21	
			12/20/2000	20.66	25.57	
			3/28/2001	20.52	25.71	
			6/13/2001	20.54	25.69	
			9/12/2001	21.63	24.60	
			12/17/2001	14.86	31.37	
			3/26/2002	18.00	28.23	
			6/10/2002	20.38	25.85	
			9/10/2002	22.00	24.23	
			12/9/2002	21.74	24.49	
			3/12/2003	19.22	27.01	
			6/17/2003	20.60	25.63	
			9/9/2003	22.09	24.14	
			9/16/2003	abandoned	abandoned	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-9	10 - 20	44.83	10/22/1997	16.15	28.29	
			1/14/1998	13.23	31.60	
			2/18/1999	10.51	34.32	
			6/29/1999	15.60	29.23	
			9/15/1999	17.67	27.16	
			12/14/1999	11.02	33.81	
			3/22/2000	11.89	32.94	
			9/27/2000	17.01	27.82	
			12/20/2000	15.58	29.25	
			3/28/2001	15.02	29.81	
			6/13/2001	14.84	29.99	
			9/12/2001	16.88	27.95	
			12/17/2001	8.74	36.09	
			3/26/2002	11.42	33.44	
			6/10/1992	14.64	30.19	
			9/10/2002	16.23	28.60	
			12/9/2002	16.78	28.05	
			3/12/2003	13.65	31.18	
			6/17/2003	15.34	29.49	
			9/9/2003	18.15	26.68	
			12/9/2003	12.59	32.44	
			3/10/2004	12.68	32.15	
			6/9/2004	15.76	29.07	
			9/22/2004	15.94	28.89	
			12/13/2004	14.04	30.79	
			3/23/2005	14.08	30.75	
			6/20/2005	14.51	30.32	
			9/8/2005	17.33	27.5	
			3/6/2006	11.65	33.18	
			9/21/2006	16.15	28.68	
			3/16/2007	12.07	32.76	
			9/13/2007	16.94	27.89	
			2/28/2008	12.57	32.26	
			9/8/2008	15.32	29.51	
			3/24/2009	14.18	30.65	
			9/18/2009	16.79	28.04	
			5/18/2010	13.68	31.15	
			10/7/2010	15.73	29.1	
			3/23/2011	10.47	34.36	*Well box replaced.
			9/8/2011	16.63	31.81	These water levels were corrected using the 7/9/12 survey data.
			3/23/2012	10.10	38.3	
		48.44	7/9/2012	---	---	New Elevation****
			9/14/2012	16.09	32.35	
			3/28/2013	12.34	36.1	
			9/4/2013	16.29	32.15	
			4/4/2014	11.25	37.19	
			9/23/2014	15.66	32.78	
			3/17/2015	11.61	36.83	
			9/28/2015	16.77	31.67	
			6/15/2016	15.12	33.32	
			9/27/2016	18.02	30.42	
			3/29/2017	9.71	38.73	
			9/14/2017	17.57	30.87	
			3/27/2018	14.09	34.35	
			9/13/2018	18.67	29.77	
			10/4/2018	18.48	29.96	
			11/28/2018	16.25	32.19	
			3/21/2019	12.03	36.41	
			9/25/2019	16.05	32.39	
			3/17/2020	10.11	38.33	
			9/28/2020	16.17	32.27	
			3/9/2021	9.68	38.76	
			9/21/2021	16.82	31.62	
			3/23/2022	10.55	37.89	
			9/1/2022	16.31	32.13	
			3/16/2023	11.92	36.52	
			9/7/2023	16.67	31.77	
			3/6/2024	11.42	37.02	
			9/4/2024	16.17	32.27	
			3/6/2025	11.27	37.17	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-10	10 - 20	44.84	10/22/1997	16.61	27.83	
			1/14/1998	13.86	30.98	
			2/18/1999	12.11	32.73	
			6/29/1999	16.91	27.93	
			9/15/1999	18.22	26.62	
			12/14/1999	12.37	32.47	
			3/22/2000	13.87	30.97	
			9/27/2000	18.24	26.60	
			12/20/2000	16.63	28.21	
			3/28/2001	16.40	28.44	
			6/13/2001	16.43	28.41	
			9/12/2001	17.92	26.92	
			12/17/2001	9.92	34.92	
			3/26/2002	12.32	35.52	
			6/10/2002	16.14	28.70	
			9/10/2002	12.84	32.00	
			12/9/2002	18.08	26.76	
			3/12/2003	15.12	29.72	
			6/17/2003	16.67	28.17	
			9/9/2003	18.80	26.04	
			12/9/2003	13.56	31.28	
			3/10/2004	13.75	31.09	
			6/9/2004	17.04	27.80	
			9/22/2004	17.22	27.62	
			12/13/2004	14.97	29.87	
			3/23/2005	16.21	28.63	
			6/20/2005	15.88	28.96	
			8/31/2005	abandoned	abandoned	
MW-10A	15 - 20	44.74	3/16/2007	13.80	30.94	
			9/13/2007	17.67	27.07	
			2/28/2008	13.80	30.94	
			9/8/2008	15.93	28.81	
			3/24/2009	15.26	29.48	
			9/18/2009	17.19	27.55	
			5/18/2010	14.89	29.85	
			10/7/2010	16.72	28.02	
			3/23/2011	12.83	31.91	
			9/8/2011	17.64	27.10	
			3/23/2012	12.03	32.71	
		48.37	7/9/2012	---	---	New Elevation****
			9/14/2012	17.52	30.85	
			3/28/2013	14.20	34.17	
			9/4/2013	17.39	30.98	
			4/4/2014	13.40	34.97	
			9/23/2014	17.26	31.11	
			3/17/2015	14.27	34.10	
			9/28/2015	17.91	30.46	
			6/15/2016	16.95	31.42	
			9/27/2016	18.45	29.92	
			3/29/2017	13.93	34.44	
			9/14/2017	18.78	29.59	
			3/27/2018	17.25	31.12	
			9/13/2018	Dry	Dry	
			10/4/2018	Dry	Dry	
			11/28/2018	17.26	31.11	
			3/21/2019	15.56	32.81	
			9/25/2019	17.78	30.59	
			3/17/2020	13.84	34.53	
			9/28/2020	17.65	30.72	
			3/9/2021	13.37	35.00	
			9/21/2021	18.51	29.86	
			3/23/2022	12.44	35.93	
			9/1/2022	18.42	29.95	
			3/16/2023	14.68	33.69	
			9/7/2023	18.31	30.06	
			3/6/2024	13.42	34.95	
			9/4/2024	17.86	30.51	
			3/6/2025	14.02	34.35	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-11	10 - 25	47.18	10/22/1997	21.91	22.53	
			1/14/1998	19.05	28.13	
			2/18/1999	17.51	29.67	
			6/29/1999	22.24	24.94	
			9/15/1999	23.31	23.87	
			12/14/1999	17.44	29.74	
			3/22/2000	19.42	27.76	
			9/27/2000	23.13	24.05	
			12/20/2000	21.75	25.43	
			3/28/2001	21.64	25.54	
			6/13/2001	21.85	25.33	
			9/12/2001	22.73	24.45	
			12/17/2001	15.94	31.24	
			3/26/2002	19.10	28.08	
			6/10/2002	21.50	25.68	
			9/10/2002	23.13	24.05	
			12/9/2002	22.84	24.34	
			3/12/2003	20.28	26.90	
			6/17/2003	21.78	25.40	
			9/9/2003	23.20	23.98	
			9/16/2003	abandoned	abandoned	
MW-12	10 - 25	44.03	10/22/1997	17.41	27.03	
			1/14/1998	14.16	29.87	
			2/18/1999	12.95	31.08	
			6/29/1999	17.65	26.38	
			9/15/1999	18.81	25.22	
			12/14/1999	12.84	31.19	
			3/22/2000	14.68	29.35	
			9/27/2000	18.78	25.25	
			12/20/2000	17.30	26.73	
			3/28/2001	17.25	26.78	
			6/13/2001	17.25	26.78	
			9/12/2001	18.49	25.54	
			12/17/2001	11.11	32.92	
			3/26/2002	14.46	29.57	
			6/10/2002	17.05	26.98	
			9/10/2002	18.78	25.25	
			12/9/2002	18.62	25.41	
			3/12/2003	15.94	28.09	
			6/17/2003	17.39	26.64	
			9/9/2003	19.06	24.97	
			9/16/2003	abandoned	abandoned	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-13	10 - 20	43.86	6/29/1999	11.27	32.59	
			9/15/1999	12.50	31.36	
			12/14/1999	6.86	37.00	
			3/22/2000	7.47	36.39	
			9/27/2000	12.26	31.60	
			12/20/2000	12.02	31.84	
			3/28/2001	9.86	34.00	
			6/13/2001	10.71	33.15	
			9/12/2001	12.00	31.86	
			12/17/2001	5.49	38.37	
			3/26/2002	7.12	36.74	
			6/10/2002	9.84	34.02	
			9/10/2002	9.59	34.27	
			12/9/2002	10.10	33.76	
			3/12/2003	9.61	34.25	
			6/17/2003	10.66	33.20	
			9/9/2003	12.62	31.24	
			3/10/2004	7.61	36.25	
			6/9/2004	10.99	32.87	
			9/22/2004	11.85	32.01	
			12/13/2004	12.47	31.39	
			3/23/2005	9.57	34.29	
			6/20/2005	9.90	33.96	
			9/8/2005	11.78	32.08	
			3/6/2006	7.27	36.59	
			9/21/2006	11.78	32.08	
			3/16/2007	7.45	36.41	
			9/13/2007	11.76	32.10	
		43.89	2/28/2008	7.80	36.09	New Elevation***
			9/8/2008	10.74	33.15	
			3/24/2009	8.41	35.48	
			9/18/2009	11.93	31.96	
			5/18/2010	8.6	35.29	
			10/7/2010	11.52	32.37	
			3/23/2011	7.02	36.87	
			9/8/2011	11.52	32.37	
			3/23/2012	6.70	37.19	
		47.47	7/9/2012	---	---	New Elevation****
			9/14/2012	11.28	36.19	
			3/28/2013	7.74	39.73	
			9/4/2013	10.34	37.13	
			4/4/2014	7.45	40.02	
			9/23/2014	10.96	36.51	
			3/17/2015	7.01	40.46	
			9/28/2015	10.62	36.85	
			6/15/2016	9.31	38.16	
			9/27/2016	10.95	36.52	
			3/29/2017	5.85	41.62	
			9/14/2017	11.97	35.5	
			3/27/2018	7.52	39.95	
			9/13/2018	11.2	36.27	
			10/4/2018	10.35	37.12	
			11/28/2018	8.10	39.37	
			3/21/2019	7.93	39.54	
			9/25/2019	9.52	37.95	
			3/17/2020	7.42	40.05	
			9/28/2020	9.58	37.89	
			3/9/2021	7.07	40.40	
			9/21/2021	11.61	35.86	
			3/23/2022	6.47	41.00	
			9/1/2022	9.95	37.52	
			3/16/2023	7.50	39.97	
			9/7/2023	10.95	36.52	
			3/6/2024	7.26	40.21	
			9/4/2024	10.45	37.02	
			3/6/2025	7.85	39.62	

Table 4: Historical Groundwater Elevations

Well No.	Screened Interval (feet bgs)	Reference Elevation*	Date	Depth to Water (feet below TOC)	Groundwater Elevation	Comments
MW-14	10 - 20	45.90	6/29/1999	17.02	28.88	
			9/15/1999	18.39	27.51	
			12/14/1999	12.33	33.5 7	
			3/22/2000	13.77	32.13	
			9/27/2000	18.45	27.45	
			12/20/2000	17.00	28.90	
			3/28/2001	16.56	29.34	
			6/13/2001	16.58	29.32	
			9/12/2001	18.12	27.78	
			12/17/2001	9.94	35.96	
			3/26/2002	13.40	32.50	
			6/10/2002	16.22	29.68	
			9/10/2002	18.95	26.95	
			12/9/2002	18.19	27.71	
			3/12/2003	15.22	30.68	
			6/17/2003	16.79	29.11	
			9/9/2003	18.98	26.92	
			3/10/2004	13.81	32.09	
			6/9/2004	17.20	28.70	
			9/22/2004	17.41	28.49	
			12/13/2004	15.36	30.54	
			3/23/2005	16.36	29.54	
			6/20/2005	16.06	29.84	
			9/8/2005	18.25	27.65	
			3/6/2006	13.01	32.89	
			9/21/2006	17.04	28.86	
			3/16/2007	13.64	32.26	
			9/13/2007	17.96	27.94	
		45.89	2/28/2008	12.75	33.14	New Elevation***
			9/8/2008	16.19	29.70	
			3/24/2009	11.37	34.52	
			9/18/2009	Dry	Dry	
			5/18/2010	11.49	34.40	
			10/7/2010	Dry	Dry	
			3/23/2011	10.17	35.72	
			9/8/2011	Dry	Dry	
			3/23/2012	9.67	36.22	
		49.5	7/9/2012	---	---	New Elevation****
			9/14/2012	Dry	Dry	
			3/28/2013	Dry	Dry	
			5/2/2013	12.05	37.45	
			9/4/2013	16.21	33.29	
			4/4/2014	10.58	38.92	
			9/23/2014	16.96	32.54	
			3/17/2015	11.61	37.89	
			9/28/2015	Dry	Dry	
			6/15/2016	16.70	32.80	
			9/27/2016	Dry	Dry	
			3/29/2017	10.78	38.72	
			9/14/2017	Dry	Dry	
			3/27/2018	16.07	33.43	
			9/13/2018	Dry	Dry	
			10/4/2018	Dry	Dry	
			11/28/2018	12.19	37.31	
			3/21/2019	12.66	36.84	
			9/25/2019	15.67	33.83	
			3/17/2020	10.92	38.58	
			9/28/2020	12.66	36.84	
			3/9/2021	10.55	38.95	
			9/21/2021	14.82	34.68	
			3/23/2022	9.85	39.65	
			9/1/2022	Dry	Dry	
			3/16/2023	10.67	38.83	
			9/7/2023	14.77	34.73	
			3/6/2024	10.61	38.89	
			9/4/2024	14.64	34.86	
			3/6/2025	10.72	38.78	

Notes:

* These elevations are of the top of the PVC well casing measured in feet above mean sea level (MSL).

***Wells re-surveyed November 2007 and reported in NGVD29 datum.

****Wells re-surveyed in July 2013 and reported in NAVD88 datum.

1 Anomalous groundwater elevation reading. Value was not used in contouring.

TOC = top of PVC well casing.

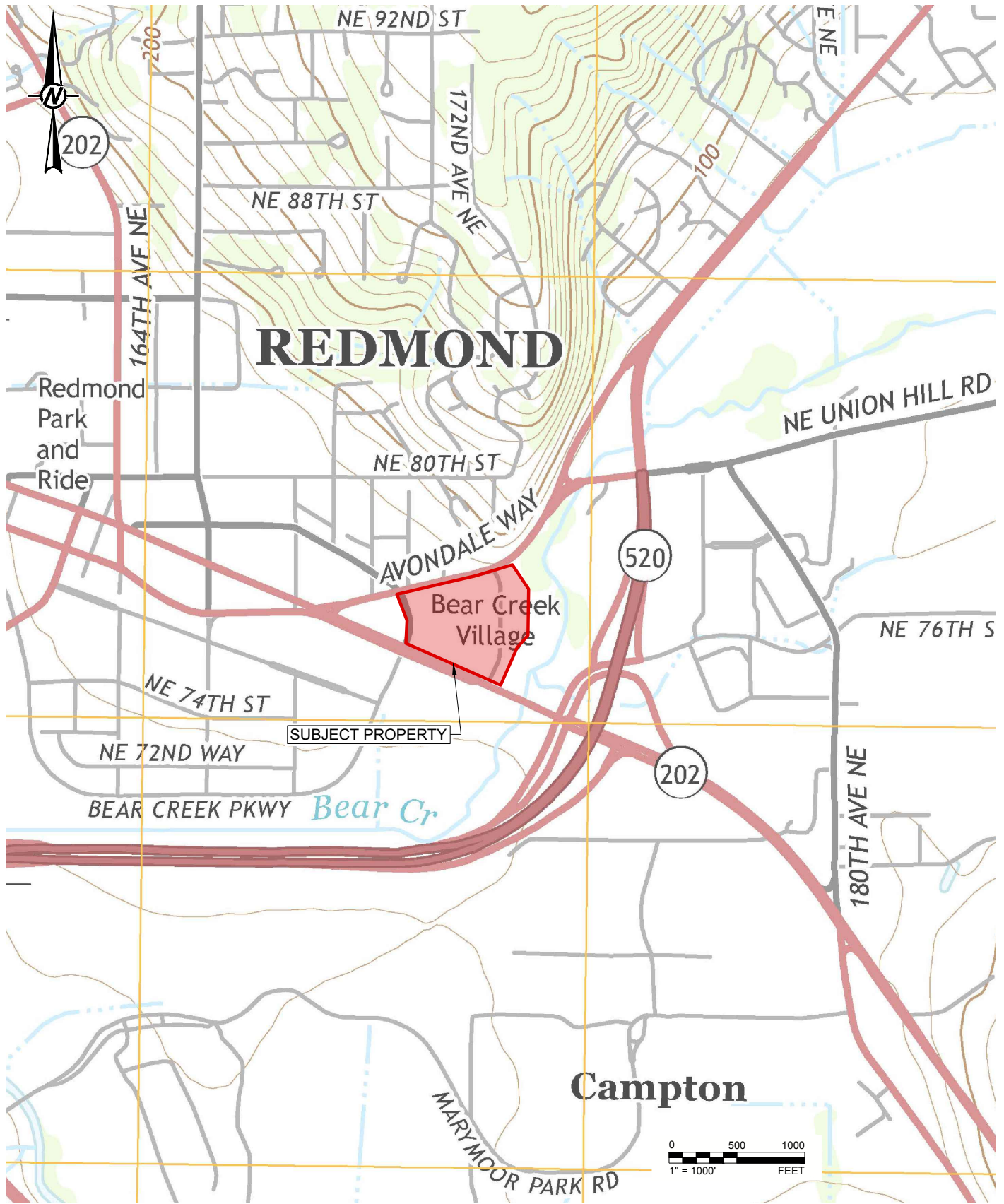
NC = Not Collected due to damaged well monument.

bgs = below ground surface.

Dry = water level at or below well casing.

Figures

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CLIENT
TMT BEAR CREEK SHOPPING CENTER, INC

CONSULTANT



YYYY-MM-DD 2025-03-21

DESIGNED EA

PREPARED SD

REVIEWED EA

APPROVED EA

PROJECT
BEAR CREEK VILLAGE SHOPPING CENTER
MARCH 2025 GROUNDWATER MONITORING EVENT
REDMOND, WA

TITLE
SITE LOCATION MAP

PROJECT NO.
31407569.000

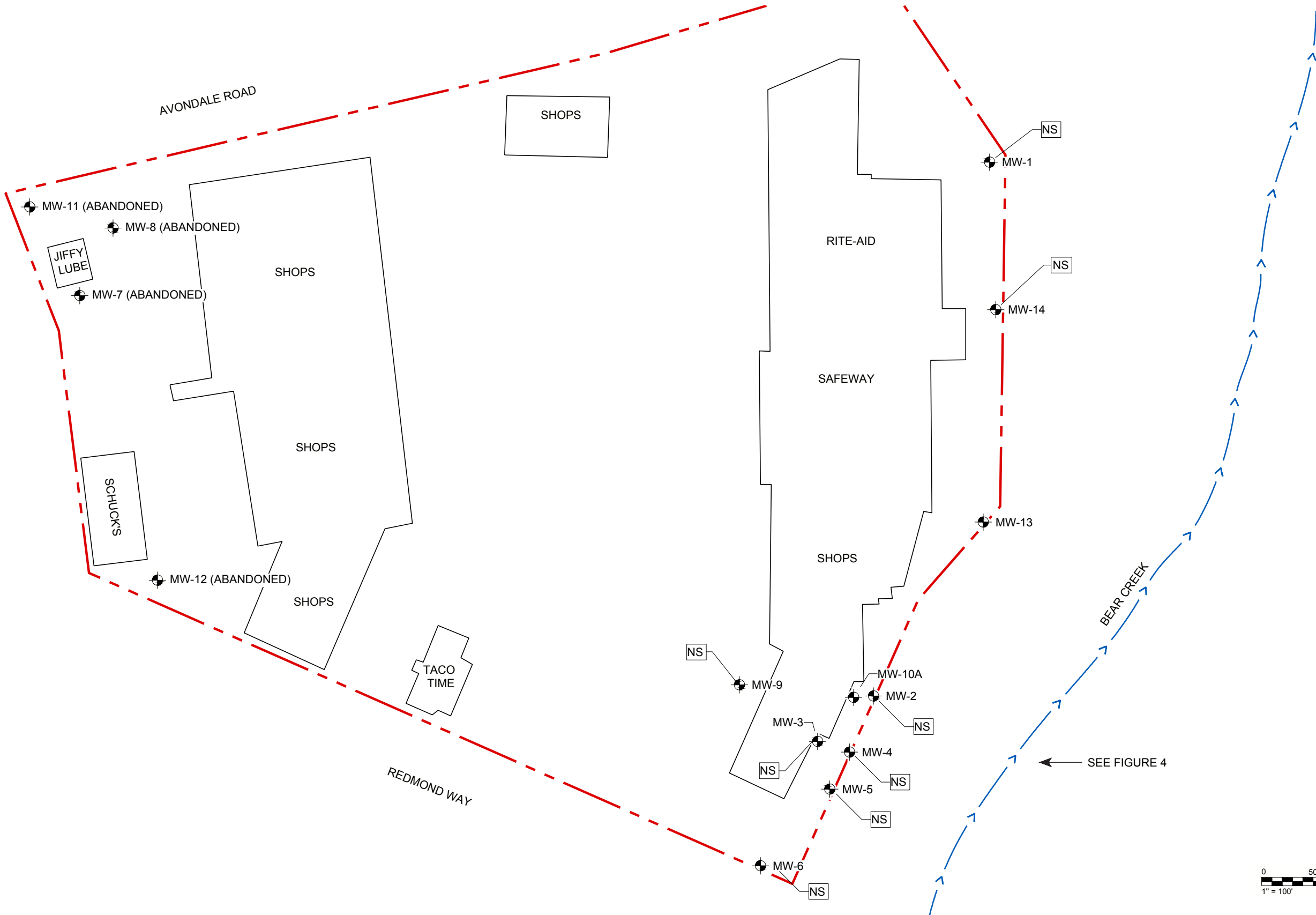
TASK
01.LBR

REV.
A

FIGURE
1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

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LEGEND

- PROPERTY BOUNDARY
- MW-12 EXISTING MONITORING WELL
- NS NOT SAMPLED

CLIENT
TMT BEAR CREEK SHOPPING CENTER, INC

CONSULTANT



YYYY-MM-DD	2025-03-21
DESIGNED	EA
PREPARED	SD
REVIEWED	EA
APPROVED	EA

PROJECT
BEAR CREEK VILLAGE SHOPPING CENTER
MARCH 2025 GROUNDWATER MONITORING EVENT
REDMOND, WA

TITLE
GROUNDWATER MONITORING WELL LOCATIONS

PROJECT NO.	TASK	REV.	FIGURE
31407569.000	01.LBR	A	2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B



LEGEND

MW-2
40.27

MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION, FEET ABOVE MSL.

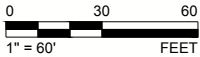
36

APPROXIMATE GROUNDWATER CONTOUR WITH ELEVATION, FEET ABOVE MSL. DASHED WHERE APPROPRIATE.

GROUNDWATER FLOW DIRECTION

NOTE(S)

1. MW-2, MW-3, MW-4 AND MW-10A NOT USED FOR CONTOURING



CLIENT
TMT BEAR CREEK SHOPPING CENTER, INC

CONSULTANT



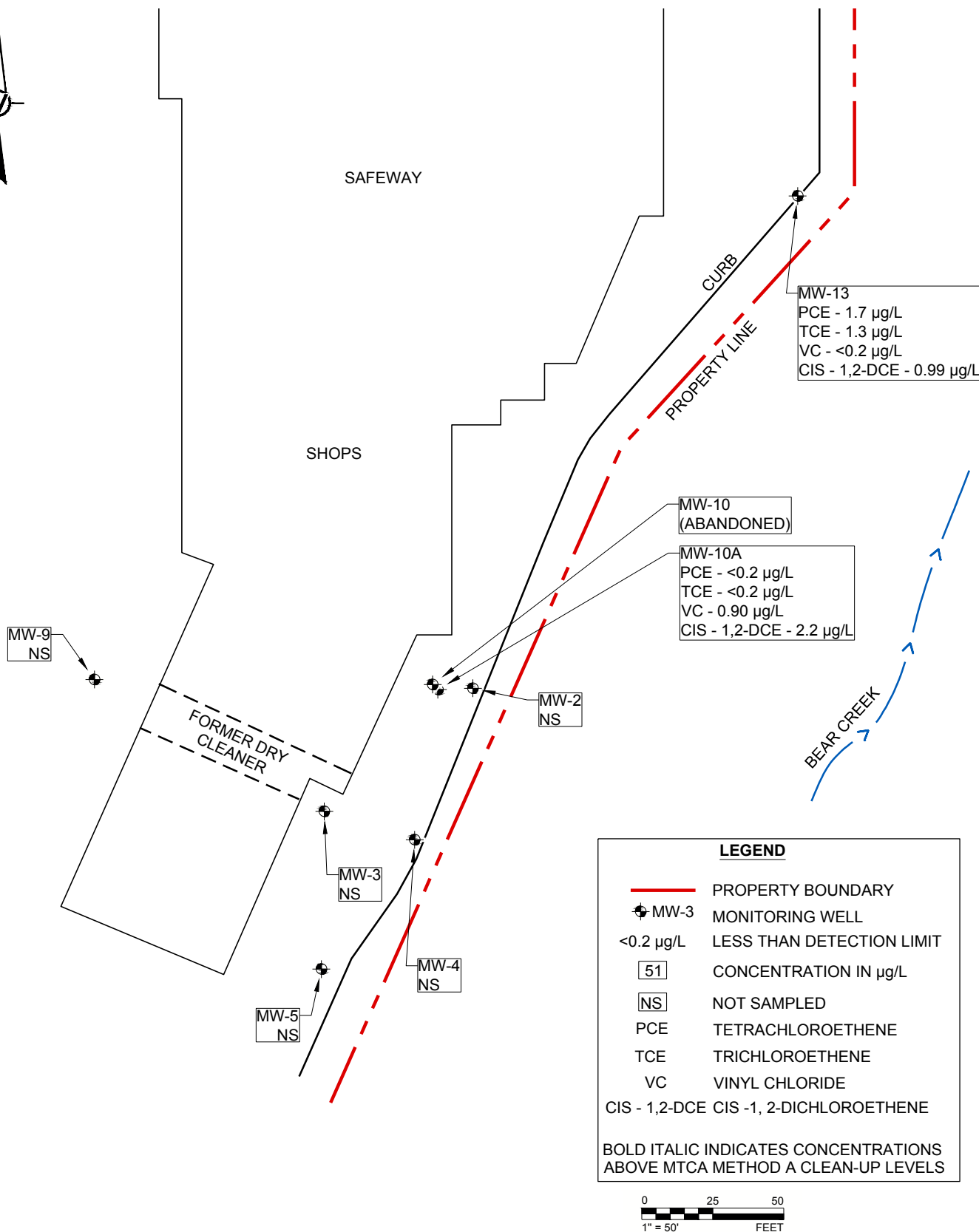
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PREPARED	SD
REVIEWED	EA
APPROVED	EA

PROJECT
BEAR CREEK VILLAGE SHOPPING CENTER
MARCH 2025 GROUNDWATER MONITORING EVENT
REDMOND, WA

TITLE
GROUNDWATER ELEVATIONS

PROJECT NO. 31407569.000	TASK 01.LBR	REV. A	FIGURE 3
-----------------------------	----------------	-----------	-------------

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CLIENT
TMT BEAR CREEK SHOPPING CENTER, INC

CONSULTANT



YYYY-MM-DD 2025-03-21

DESIGNED EA

PREPARED SD

REVIEWED EA

APPROVED EA

PROJECT
BEAR CREEK VILLAGE SHOPPING CENTER
MARCH 2025 GROUNDWATER MONITORING EVENT
REDMOND, WA

TITLE

GROUNDWATER CONCENTRATIONS - SOUTHEAST AREA

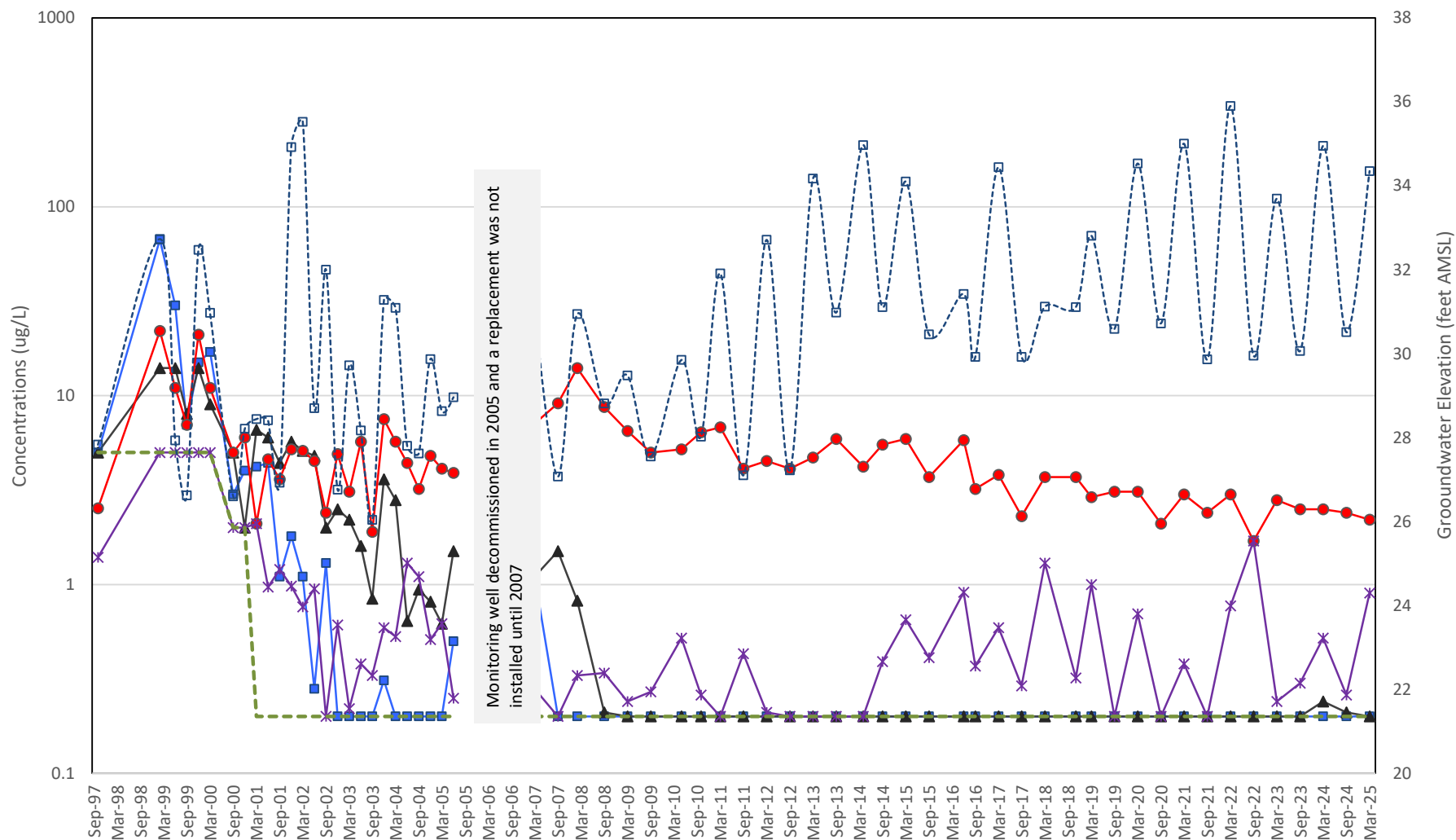
PROJECT NO.
31407569.000

TASK
01.LBR

REV.
A

FIGURE
4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A



LEGEND

- Concentration of PCE
- ▲ Concentration of TCE
- Concentration of cis-1,2-DCE
- ✱ Concentration of Vinyl Chloride
- Laboratory Detection Limit
- Groundwater Elevation

CLIENT

TMT Bear Creek Shopping Center, Inc.
c/o JSH Properties, Inc.

CONSULTANT

PROJECT

Bear Creek Village Shopping Center
Redmond, Washington

TITLE

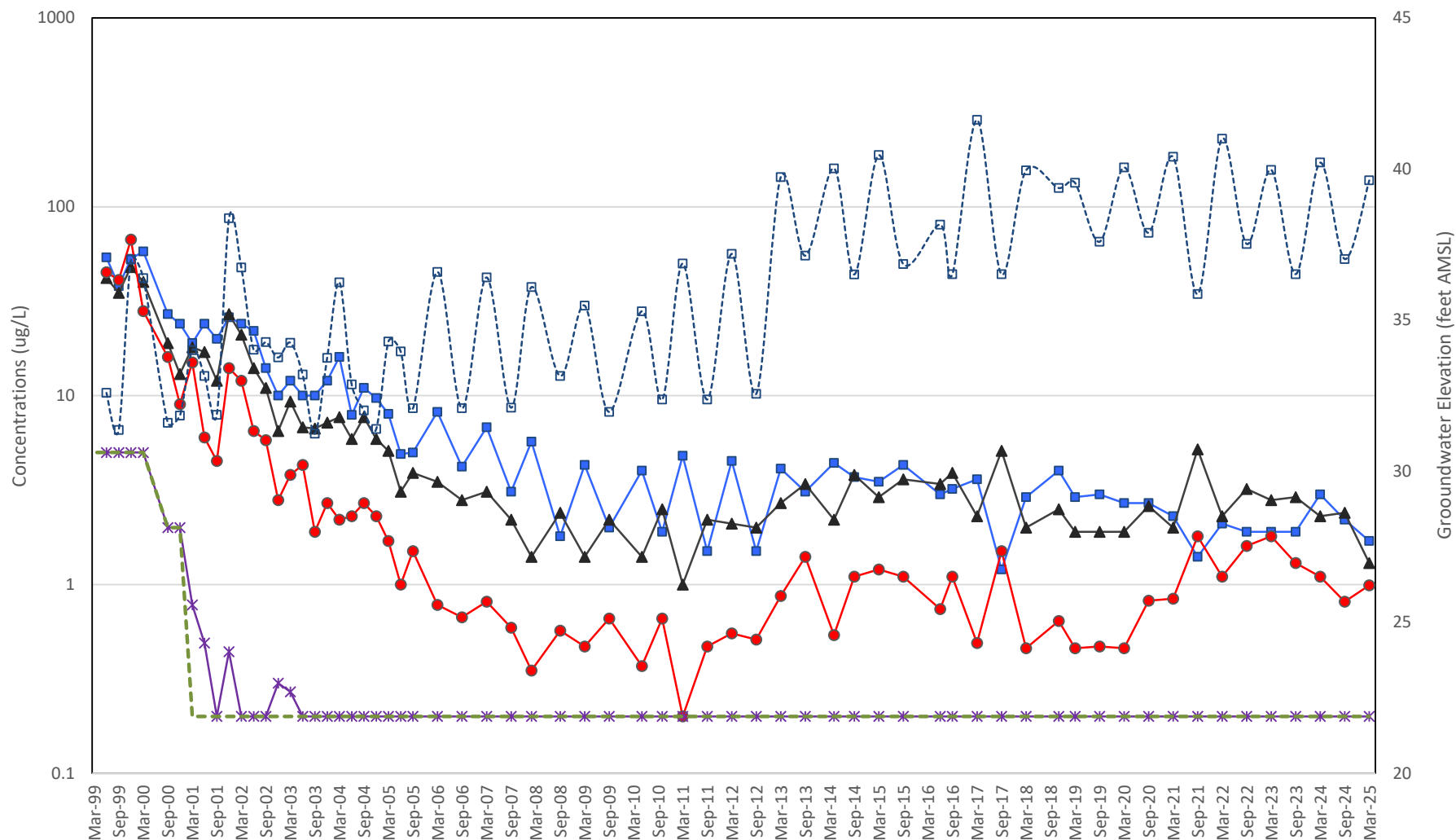
MW-10 and MW-10A HVOC Detections Over Time
March 2025 Groundwater Monitoring Event

PROJECT NO.
31407569.000

TASK
1

REV.
A

FIGURE
5



LEGEND

- Concentration of PCE
- ▲— Concentration of TCE
- Concentration of cis-1,2-DCE
- *— Concentration of Vinyl Chloride
- — Laboratory Detection Limit
- Groundwater Elevation

CLIENT

TMT Bear Creek Shopping Center, Inc.
c/o JSH Properties, Inc.

CONSULTANT



PROJECT

Bear Creek Village Shopping Center
Redmond, Washington

TITLE

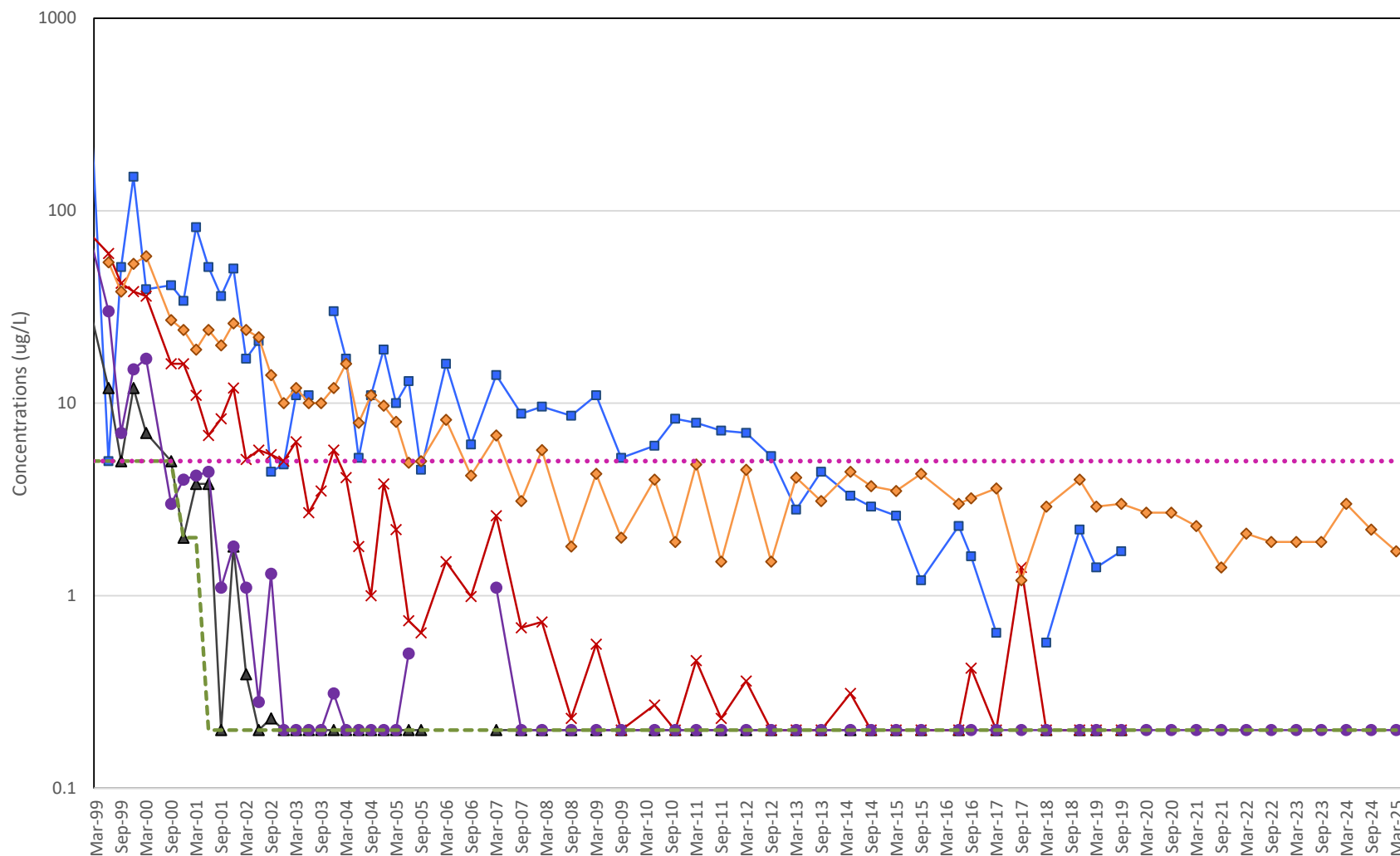
MW-13 HVOC Detections Over Time
March 2025 Groundwater Monitoring Event

PROJECT NO.
31407569.000

TASK
1

REV.
A

FIGURE
6



LEGEND

- MW-2 Concentration of PCE
- ▲— MW-3 Concentration of PCE
- ×— MW-4 Concentration of PCE
- MW-10/10A Concentration of PCE
- ◆— MW-13 Concentration of PCE
- Laboratory Detection Limit
- Cleanup Level (5 ug/L)

CLIENT

TMT Bear Creek Shopping Center, Inc.
c/o JSH Properties, Inc.

CONSULTANT



PROJECT

Bear Creek Village Shopping Center
Redmond, Washington

TITLE

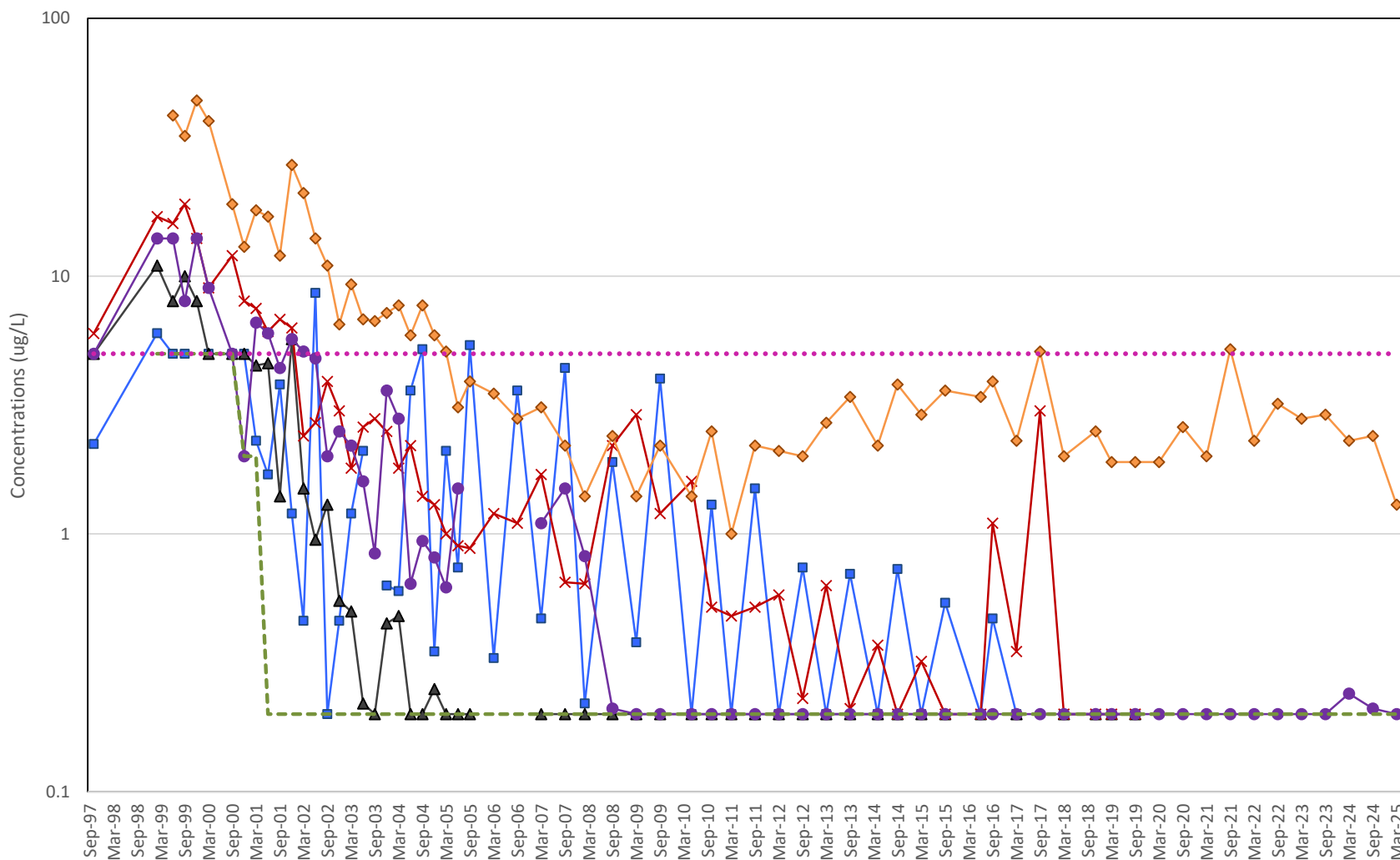
PCE Detections Over Time
March 2025 Groundwater Monitoring Event

PROJECT NO.
31407569.000

TASK
1

REV.
A

FIGURE
7



LEGEND

- MW-2 Concentration of TCE
- ▲— MW-3 Concentration of TCE
- ×— MW-4 Concentration of TCE
- MW-10/10A Concentration of TCE
- ◆— MW-13 Concentration of TCE
- Laboratory Detection Limit
- Cleanup Level (5 ug/L)

CLIENT

TMT Bear Creek Shopping Center, Inc.
c/o JSH Properties, Inc.

CONSULTANT



PROJECT

Bear Creek Village Shopping Center
Redmond, Washington

TITLE

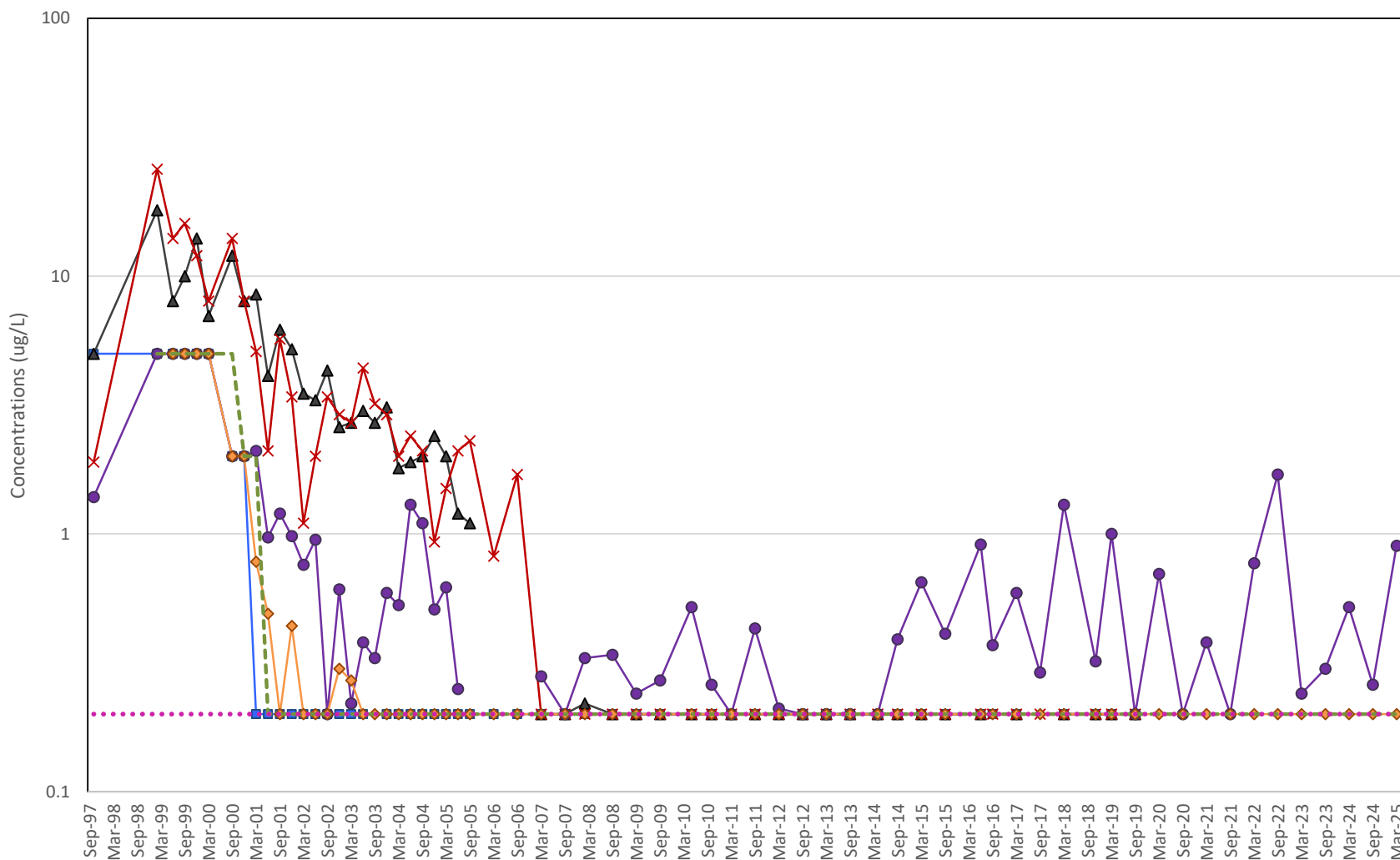
TCE Detections Over Time
March 2025 Groundwater Monitoring Event

PROJECT NO.
31407569.000

TASK
1

REV.
A

FIGURE
8



LEGEND

- MW-2 Concentration of Vinyl Chloride
- ▲ MW-3 Concentration of Vinyl Chloride
- × MW-4 Concentration of Vinyl Chloride
- MW-10/10A Concentration of Vinyl Chloride
- ◆ MW-13 Concentration of Vinyl Chloride
- Laboratory Detection Limit
- Cleanup Level (0.2 ug/L)

CLIENT

TMT Bear Creek Shopping Center, Inc.
c/o JSH Properties, Inc.

CONSULTANT



PROJECT

Bear Creek Village Shopping Center
Redmond, Washington

TITLE

Vinyl Chloride Detections Over Time
March 2025 Groundwater Monitoring Event

PROJECT NO.
31407569.000

TASK
1

REV.
A

FIGURE
9

APPENDIX A

Sample Integrity Data Sheets

SAMPLE INTEGRITY DATA SHEET

Plant/Site Bear Creek Village

Project No. 31407569.000

Site Location Redmond, WA

Sample ID MW-10A-20250306

Sampling Location Groundwater Monitoring well – end of dedicated sampling tube

(dup MW-20-2025 0306)

Technical Procedure Reference(s) TG 1.2-23; TG 1.4-6a; TG 1.2-20

Type of Sampler Peristaltic Pump

Date 3/6/25

Time 1235 / 1240 *dup*

Media water

Station MW-10A

Sample Type: grab time composite space composite

Sample Acquisition Measurements (depth, volume of static well water and purged water, etc.)

Static Water Level: 14.02 BTOC @ 1050

Screened Interval: unknown

Pump intake at: - BTOC

Sample Description clear, no odor, no sheen

Field Measurements on Sample (pH, conductivity, etc.)

See Field Parameters Sheet

Aliquot Amount		Container	Preservation / Amount
----------------	--	-----------	-----------------------

3- 40 mL	HVOC	VOA Vial	HCl
----------	------	----------	-----

3-40mL	HVOC	VOA Vial	HCl for duplicate
--------	------	----------	-------------------

Sampler (signature) *[Signature]*

Date 3/6/25

Supervisor (signature) *Eric Adams*

Date 3/17/2025

SAMPLE INTEGRITY DATA SHEET

Well ID MW-10A / MW-20 (duplicate)

Date 3/6/25

Time Begin Purge 1135

Time Collect Sample 1235 / 1240 dup

Water Level feet bmp	Time	Volume Purged	pH	Conductivity uS/cm	Temp. °C	Turbidity NTU	DO mg/L	eH rel mV
14.06	1140		6.20	188.6	14.4	53.0	0.98	42.6
14.06	1145		5.99	248.7	14.6	330	1.28	22.1
14.06	1155		6.17	190.8	14.4	226	1.18	-0.5
14.06	1210		5.99	187.2	14.4	50.0	0.34	35.7
14.06	1220		5.96	190.1	14.2	30.6	0.24	38.5
14.06	1225		5.95	191.1	14.4	18.2	0.20	38.6
14.06	1230		5.95	194.3	14.5	12.3	0.17	38.2
14.06	1235		5.95	198.9	14.4	7.44	0.14	35.9

Comments: duplicate collected.

Flow Rate:

300

mL/min

Sampler's

Initials AP

SAMPLE INTEGRITY DATA SHEET

Plant/Site Bear Creek Village

Project No. 31407569.000

Site Location Redmond, WA

Sample ID MW-13-20250306

Sampling Location Groundwater Monitoring well – end of dedicated sampling tube

Technical Procedure Reference(s) TG 1.2-23; TG 1.4-6a; TG 1.2-20

Type of Sampler Peristaltic Pump

Date 3/6/25

Time 1325

Media water

Station MW- 13

Sample Type: ☒ **grab** time composite space composite

Sample Acquisition Measurements (depth, volume of static well water and purged water, etc.)

Static Water Level: 7.85 BTOC @ 1254

Screened Interval: unknown

Pump intake at: — BTOC

Sample Description clear, no odor, no sheen

Field Measurements on Sample (pH, conductivity, etc.)

See Field Parameters Sheet

Aliquot Amount

Container

Preservation / Amount

3- 40 mL

HVOC

VOA Vial

HCl

Sampler (signature) [Signature]

Date 3/6/25

Supervisor (signature) [Signature]

Date 3/17/2025

SAMPLE INTEGRITY DATA SHEET

Well ID MW- 13

Date 3/6/25

Time Begin Purge 1255

Time Collect Sample 1325

Water Level feet bmp	Time	Volume Purged	pH	Conductivity uS/cm	Temp. °C	Turbidity NTU	DO mg/L	eH rel mV
8.25	1300		5.68	135.5	11.2	49.5	0.34	86.9
8.25	1305		5.66	134.7	11.2	135	0.17	93.1
8.31	1310		5.65	135.0	10.9	79.8	0.08	98.3
8.33	1315		5.65	134.8	10.7	54.5	0.84	103.6
8.35	1320		5.63	134.6	10.6	12.6	0.13	104.7
8.36	1325		5.64	134.7	10.7	9.27	0.07	104.5

Comments:

iron bacteria in flow cell;

Flow Rate: 250 replaced flow cell water at 1312

mL/min

Sampler's

Initials: AP

SAMPLE INTEGRITY DATA SHEET

Plant/Site Bear Creek Village Project No. 31407569.000

Site Location Redmond, WA Sample ID EB- 20250306

Sampling Location Groundwater Monitoring well – end of dedicated sampling tube

Technical Procedure Reference(s) TG 1.2-23; TG 1.4-6a; TG 1.2-20

Type of Sampler Peristaltic Pump

Date 3/6/25 Time 1340

Media water Station MW-13; equipment blank

Sample Type: ☒ grab time composite space composite

Sample Acquisition Measurements (depth, volume of static well water and purged water, etc.)

Static Water Level: N/A BTOC

Screened Interval: N/A

Pump intake at: N/A BTOC

Sample Description Lab-provided DI water pumped through new peristaltic pump tubing

Field Measurements on Sample (pH, conductivity, etc.)

See Field Parameters Sheet

Aliquot Amount		Container	Preservation / Amount
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3- 40 mL	HVOC	VOA Vial	HCl
----------	------	----------	-----

Sampler (signature) [Signature] Date 3/6/25

Supervisor (signature) [Signature] Date 3/17/2025

Time Collect Sample 1346

Flow Rate: N/A
mL/min

Initials

APPENDIX B

Laboratory Analytical Report and Data Validation



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

March 17, 2025

Eric Adams
WSP USA Inc.
18300 Redmond Way, Suite 200
Redmond, WA 98052-3333

Re: Analytical Data for Project 31407569.000 Task 01.EXP
Laboratory Reference No. 2503-064

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on March 6, 2025.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', followed by a horizontal line.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: March 17, 2025
Samples Submitted: March 6, 2025
Laboratory Reference: 2503-064
Project: 31407569.000 Task 01.EXP

Case Narrative

Samples were collected on March 6, 2025 and received by the laboratory on March 6, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: March 17, 2025
 Samples Submitted: March 6, 2025
 Laboratory Reference: 2503-064
 Project: 31407569.000 Task 01.EXP

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		MW-10A-20250306				
Laboratory ID:		03-064-01				
Dichlorodifluoromethane	ND	0.28	EPA 8260D	3-11-25	3-11-25	
Chloromethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Vinyl Chloride	0.90	0.20	EPA 8260D	3-11-25	3-11-25	
Bromomethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Chloroethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Iodomethane	ND	1.5	EPA 8260D	3-11-25	3-11-25	
Methylene Chloride	ND	1.0	EPA 8260D	3-11-25	3-11-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(cis) 1,2-Dichloroethene	2.2	0.20	EPA 8260D	3-11-25	3-11-25	
Bromochloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Chloroform	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Trichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Dibromomethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromodichloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Tetrachloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Dibromochloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Chlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromoform	ND	1.0	EPA 8260D	3-11-25	3-11-25	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: March 17, 2025
 Samples Submitted: March 6, 2025
 Laboratory Reference: 2503-064
 Project: 31407569.000 Task 01.EXP

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		MW-10A-20250306				
Laboratory ID:		03-064-01				
Bromobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-11-25	3-11-25	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-11-25	3-11-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	68-133				
<i>Toluene-d8</i>	98	79-123				
<i>4-Bromofluorobenzene</i>	98	78-117				



Date of Report: March 17, 2025
 Samples Submitted: March 6, 2025
 Laboratory Reference: 2503-064
 Project: 31407569.000 Task 01.EXP

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: MW-20-20250306						
Laboratory ID: 03-064-02						
Dichlorodifluoromethane	ND	0.28	EPA 8260D	3-11-25	3-11-25	
Chloromethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Vinyl Chloride	0.88	0.20	EPA 8260D	3-11-25	3-11-25	
Bromomethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Chloroethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Iodomethane	ND	1.5	EPA 8260D	3-11-25	3-11-25	
Methylene Chloride	ND	1.0	EPA 8260D	3-11-25	3-11-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(cis) 1,2-Dichloroethene	2.2	0.20	EPA 8260D	3-11-25	3-11-25	
Bromochloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Chloroform	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Trichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Dibromomethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromodichloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Tetrachloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Dibromochloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Chlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromoform	ND	1.0	EPA 8260D	3-11-25	3-11-25	



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

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Date of Report: March 17, 2025
 Samples Submitted: March 6, 2025
 Laboratory Reference: 2503-064
 Project: 31407569.000 Task 01.EXP

VOLATILE ORGANICS EPA 8260D
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		MW-20-20250306				
Laboratory ID:		03-064-02				
Bromobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-11-25	3-11-25	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-11-25	3-11-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	92	68-133				
<i>Toluene-d8</i>	99	79-123				
<i>4-Bromofluorobenzene</i>	99	78-117				



Date of Report: March 17, 2025
 Samples Submitted: March 6, 2025
 Laboratory Reference: 2503-064
 Project: 31407569.000 Task 01.EXP

VOLATILE ORGANICS EPA 8260D

page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: EB-20250306						
Laboratory ID: 03-064-04						
Dichlorodifluoromethane	ND	0.28	EPA 8260D	3-11-25	3-11-25	
Chloromethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Vinyl Chloride	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromomethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Chloroethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Iodomethane	ND	1.5	EPA 8260D	3-11-25	3-11-25	
Methylene Chloride	ND	1.0	EPA 8260D	3-11-25	3-11-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromochloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Chloroform	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Trichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Dibromomethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromodichloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Tetrachloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Dibromochloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Chlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromoform	ND	1.0	EPA 8260D	3-11-25	3-11-25	



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Date of Report: March 17, 2025
 Samples Submitted: March 6, 2025
 Laboratory Reference: 2503-064
 Project: 31407569.000 Task 01.EXP

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	EB-20250306					
Laboratory ID:	03-064-04					
Bromobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-11-25	3-11-25	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-11-25	3-11-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>90</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-117</i>				



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VOLATILE ORGANICS EPA 8260D

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID: MW-13-20250306						
Laboratory ID: 03-064-05						
Dichlorodifluoromethane	ND	0.28	EPA 8260D	3-11-25	3-11-25	
Chloromethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Vinyl Chloride	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromomethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Chloroethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Iodomethane	ND	1.5	EPA 8260D	3-11-25	3-11-25	
Methylene Chloride	ND	1.0	EPA 8260D	3-11-25	3-11-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(cis) 1,2-Dichloroethene	0.99	0.20	EPA 8260D	3-11-25	3-11-25	
Bromochloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Chloroform	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Trichloroethene	1.3	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Dibromomethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromodichloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Tetrachloroethene	1.7	0.20	EPA 8260D	3-11-25	3-11-25	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Dibromochloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Chlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromoform	ND	1.0	EPA 8260D	3-11-25	3-11-25	



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Date of Report: March 17, 2025
 Samples Submitted: March 6, 2025
 Laboratory Reference: 2503-064
 Project: 31407569.000 Task 01.EXP

VOLATILE ORGANICS EPA 8260D
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-13-20250306					
Laboratory ID:	03-064-05					
Bromobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-11-25	3-11-25	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-11-25	3-11-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-117</i>				



Date of Report: March 17, 2025
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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL

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Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Dichlorodifluoromethane	ND	0.28	EPA 8260D	3-11-25	3-11-25	
Chloromethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Vinyl Chloride	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromomethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Chloroethane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Iodomethane	ND	1.5	EPA 8260D	3-11-25	3-11-25	
Methylene Chloride	ND	1.0	EPA 8260D	3-11-25	3-11-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
2,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromochloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Chloroform	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Trichloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Dibromomethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromodichloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Tetrachloroethene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,3-Dichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Dibromochloromethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Chlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Bromoform	ND	1.0	EPA 8260D	3-11-25	3-11-25	



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Date of Report: March 17, 2025
 Samples Submitted: March 6, 2025
 Laboratory Reference: 2503-064
 Project: 31407569.000 Task 01.EXP

**VOLATILE ORGANICS EPA 8260D
 QUALITY CONTROL**

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311W1					
Bromobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-11-25	3-11-25	
2-Chlorotoluene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
4-Chlorotoluene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-11-25	3-11-25	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	3-11-25	3-11-25	
Hexachlorobutadiene	ND	1.0	EPA 8260D	3-11-25	3-11-25	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	3-11-25	3-11-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>78-117</i>				



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VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent		Recovery		RPD	
					Recovery		Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0311W1									
	SB	SBD	SB	SBD	SB	SBD				
Dichlorodifluoromethane	7.26	6.46	10.0	10.0	73	65	34-166	12	21	
Chloromethane	9.47	8.34	10.0	10.0	95	83	45-145	13	19	
Vinyl Chloride	9.94	8.64	10.0	10.0	99	86	67-130	14	15	
Bromomethane	8.10	9.02	10.0	10.0	81	90	27-165	11	36	
Chloroethane	9.19	8.30	10.0	10.0	92	83	61-132	10	18	
Trichlorofluoromethane	9.38	8.33	10.0	10.0	94	83	67-136	12	17	
1,1-Dichloroethene	9.81	8.87	10.0	10.0	98	89	74-125	10	15	
Iodomethane	6.74	7.28	10.0	10.0	67	73	15-154	8	49	
Methylene Chloride	9.38	8.52	10.0	10.0	94	85	70-123	10	15	
(trans) 1,2-Dichloroethene	9.91	8.93	10.0	10.0	99	89	77-125	10	15	
1,1-Dichloroethane	9.85	8.93	10.0	10.0	99	89	75-125	10	15	
2,2-Dichloropropane	10.4	9.39	10.0	10.0	104	94	74-152	10	15	
(cis) 1,2-Dichloroethene	9.92	8.91	10.0	10.0	99	89	78-130	11	15	
Bromochloromethane	9.77	9.00	10.0	10.0	98	90	79-132	8	15	
Chloroform	9.49	8.57	10.0	10.0	95	86	73-128	10	15	
1,1,1-Trichloroethane	9.76	8.73	10.0	10.0	98	87	72-127	11	15	
Carbon Tetrachloride	9.61	8.64	10.0	10.0	96	86	68-131	11	15	
1,1-Dichloropropene	9.86	8.77	10.0	10.0	99	88	73-125	12	15	
1,2-Dichloroethane	10.2	9.26	10.0	10.0	102	93	68-133	10	15	
Trichloroethene	11.1	9.84	10.0	10.0	111	98	80-126	12	15	
1,2-Dichloropropane	10.5	9.42	10.0	10.0	105	94	78-124	11	15	
Dibromomethane	11.2	10.2	10.0	10.0	112	102	76-131	9	15	
Bromodichloromethane	10.9	9.70	10.0	10.0	109	97	81-128	12	15	
(cis) 1,3-Dichloropropene	11.2	10.1	10.0	10.0	112	101	80-131	10	15	
(trans) 1,3-Dichloropropene	11.4	10.4	10.0	10.0	114	104	77-128	9	15	
1,1,2-Trichloroethane	10.7	9.80	10.0	10.0	107	98	80-124	9	15	
Tetrachloroethene	11.2	10.1	10.0	10.0	112	101	80-125	10	15	
1,3-Dichloropropane	10.6	9.79	10.0	10.0	106	98	82-121	8	15	
Dibromochloromethane	9.76	9.05	10.0	10.0	98	91	81-131	8	15	
1,2-Dibromoethane	11.1	10.2	10.0	10.0	111	102	82-129	8	15	
Chlorobenzene	10.7	9.68	10.0	10.0	107	97	80-119	10	15	
1,1,1,2-Tetrachloroethane	11.0	9.87	10.0	10.0	110	99	80-124	11	15	
Bromoform	10.8	9.87	10.0	10.0	108	99	77-131	9	15	



Date of Report: March 17, 2025
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 Project: 31407569.000 Task 01.EXP

VOLATILE ORGANICS EPA 8260D
QUALITY CONTROL
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Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0311W1									
	SB	SBD	SB	SBD	SB	SBD				
Bromobenzene	10.7	9.86	10.0	10.0	107	99	73-131	8	15	
1,1,2,2-Tetrachloroethane	10.6	9.96	10.0	10.0	106	100	66-138	6	15	
1,2,3-Trichloropropane	9.61	9.23	10.0	10.0	96	92	67-127	4	18	
2-Chlorotoluene	10.7	9.97	10.0	10.0	107	100	77-131	7	15	
4-Chlorotoluene	10.9	10.1	10.0	10.0	109	101	79-133	8	15	
1,3-Dichlorobenzene	10.7	9.88	10.0	10.0	107	99	79-131	8	15	
1,4-Dichlorobenzene	10.6	9.92	10.0	10.0	106	99	78-127	7	15	
1,2-Dichlorobenzene	10.4	9.68	10.0	10.0	104	97	79-129	7	15	
1,2-Dibromo-3-chloropropane	9.95	9.72	10.0	10.0	100	97	62-140	2	18	
1,2,4-Trichlorobenzene	11.1	10.3	10.0	10.0	111	103	72-142	7	21	
Hexachlorobutadiene	11.1	10.5	10.0	10.0	111	105	69-149	6	24	
1,2,3-Trichlorobenzene	10.7	10.3	10.0	10.0	107	103	63-146	4	30	
Surrogate:										
Dibromofluoromethane					90	90	68-133			
Toluene-d8					99	98	79-123			
4-Bromofluorobenzene					102	101	78-117			



Date of Report: March 17, 2025
 Samples Submitted: March 6, 2025
 Laboratory Reference: 2503-064
 Project: 31407569.000 Task 01.EXP

TOTAL METALS
EPA 200.8/7470A

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:		IDW-20250306				
Laboratory ID:		03-064-03				
Arsenic	ND	3.3	EPA 200.8	3-11-25	3-11-25	
Barium	ND	28	EPA 200.8	3-11-25	3-11-25	
Cadmium	ND	4.4	EPA 200.8	3-11-25	3-11-25	
Chromium	ND	11	EPA 200.8	3-11-25	3-11-25	
Lead	ND	1.1	EPA 200.8	3-11-25	3-11-25	
Mercury	ND	0.50	EPA 7470A	3-11-25	3-11-25	
Selenium	ND	5.6	EPA 200.8	3-11-25	3-11-25	
Silver	ND	4.4	EPA 200.8	3-11-25	3-11-25	



Date of Report: March 17, 2025
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 Project: 31407569.000 Task 01.EXP

**TOTAL METALS
 EPA 200.8/7470A
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0311WM1					
Arsenic	ND	3.3	EPA 200.8	3-11-25	3-11-25	
Barium	ND	28	EPA 200.8	3-11-25	3-11-25	
Cadmium	ND	4.4	EPA 200.8	3-11-25	3-11-25	
Chromium	ND	11	EPA 200.8	3-11-25	3-11-25	
Lead	ND	1.1	EPA 200.8	3-11-25	3-11-25	
Selenium	ND	5.6	EPA 200.8	3-11-25	3-11-25	
Silver	ND	11	EPA 200.8	3-11-25	3-11-25	

Laboratory ID:	MB0311W1					
Mercury	ND	0.50	EPA 7470A	3-11-25	3-11-25	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-029-04							
	ORIG	DUP						
Arsenic	ND	ND	NA	NA	NA	NA	20	
Barium	51.8	50.8	NA	NA	NA	2	20	
Cadmium	ND	ND	NA	NA	NA	NA	20	
Chromium	ND	ND	NA	NA	NA	NA	20	
Lead	ND	ND	NA	NA	NA	NA	20	
Selenium	ND	ND	NA	NA	NA	NA	20	
Silver	ND	ND	NA	NA	NA	NA	20	

Laboratory ID:	03-061-01							
Mercury	ND	ND	NA	NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	03-029-04									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	109	107	111	111	ND	98	96	75-125	2	20
Barium	155	149	111	111	51.8	93	87	75-125	4	20
Cadmium	106	104	111	111	ND	95	94	75-125	1	20
Chromium	106	105	111	111	ND	95	94	75-125	1	20
Lead	106	102	111	111	ND	95	92	75-125	4	20
Selenium	118	108	111	111	ND	107	98	75-125	9	20
Silver	99.8	98.0	111	111	ND	90	88	75-125	2	20

Laboratory ID:	03-061-01									
Mercury	12.2	12.2	12.5	12.5	ND	97	97	75-125	0	20



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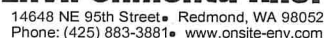
This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.



Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 - Sample extract treated with a silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





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Data Package: Level III ☐ Level IV ☐ Electronic Data Deliverables (EDDs) ☒

Chromatograms with final report ☐

Table B-1: Sample Collection and Analysis Summary

SDG	Field Identification	Collection Date	Location	Lab Identification	Matrix	QC Samples	Analyses	Analyses
							Halogenated Volatiles (EPA 8260C)	RCRA 8 Metals (EPA 200.8/7470A)
2503-064	MW-10A-20250306	3/6/2025	MW-10A	03-064-01	GW	--	X	--
2503-064	MW-20-20250306	3/6/2025	MW-10A	03-064-02	GW	FD	X	--
2503-064	IDW-20250306	3/6/2025	IDW	03-064-03	IDW	--	--	X
2503-064	EB-20250306	3/6/2025	--	03-064-04	DI	EB	X	--
2503-064	MW-13-2026036	3/6/2025	MW-13	03-064-05	GW	--	X	--

Notes:

All analyses performed by OnSite Environmental, Inc

Abbreviations:

DI - Deionized Water

EB - Equipment Blank

FD - Field Duplicate

GW - Groundwater

QC - Quality Control

SDG - Sample Delivery Group

Table B-2: Qualifer Summary Table

SDG	Sample Name	Constituent	New Result	New RL	Qualifier	Reason
n/a						

Notes:

No Qualifiers Applied

Abbreviations

RL - Reporting Limit

SDG - Sample Delivery Group

Qualifier Definitions

n/a

Table B-3: Field Duplicate Precision

Parameter	MW-10A	MW-20*	RPD1 (%)	QC GoalRPD (%)
PCE	0.2U	0.2U	NA	0 - 20
TCE	0.2U	0.2U	NA	0 - 20
VC	0.90	0.88	2.2	0 - 20
cis-1,2-DCE	2.20	2.20	0.0	0 - 20
1,3-DCB	0.2U	0.2U	NA	0 - 20

Notes:

¹ MW-20 duplicate sample² RPD (relative percent difference) = $[(S-D) * 100] / [(S+D)/2]$

where, S = first / original sample value and, D = second (duplicate) sample value.

³ U - Analyte was analyzed for but was not detected



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