Rocky Top Environmental Limited Purpose Landfill 2025 First Quarter Groundwater Monitoring Report

Prepared for
DTG Recycling

DTG Debris to Green Recycling

June 2025

Parametrix

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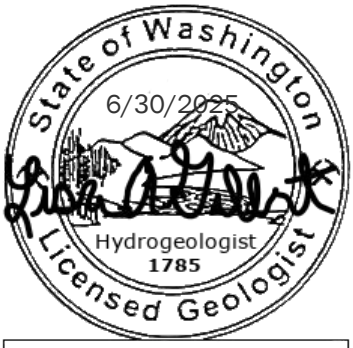
Certification

The technical material and data contained in this document were prepared under the supervision and direction of the undersigned, whose seal, as a professional hydrogeologist licensed to practice as such, is affixed below.

Michael Brady, LG, LHG



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Acronyms and Abbreviations

AA	Alluvial Aquifer
AO	Agreed Order
AMSL	above mean sea level
CULs	cleanup levels
CUSUM	cumulative sum
cm/sec	centimeters per second
COPC	chemical of potential concern
DA	Deep Aquifer
DTG	DTG Recycling
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
Facility	41 Rocky Top Road in Yakima, Washington
GWQS	Groundwater Quality Criteria (Chapter 173-200 WAC)
h	control limit for CUSUM comparisons
HWA	HWA GeoSciences, Inc.
IZ	Interflow Zone
LPL	Limited Purpose Landfill
MCLs	Maximum Contaminant Levels (Chapter 246-290 WAC)
meq/L	milliequivalents per liter
mg/L	milligrams per liter
MTCA	Model Toxics Control Act (Chapter 173-340 WAC)
MRF	Materials Recovery Facility
On-Site	On-Site Environmental, Inc.
PCS	Petroleum-contaminated soil
PFAS	Per- and polyfluoroalkyl substances
RI	remedial investigation
RL	reporting limit
SA	Shallow Aquifer

Acronyms and Abbreviations (continued)

SAP	Sampling and Analysis Plan
SCL	Shewhart Control Limit
TDS	total dissolved solids
TPH	total petroleum hydrocarbons
µg	micrograms
µmhos/cm	micromhos per centimeter
UPLs	upper prediction limits
USACE	US Army Corps of Engineers
VOCs	volatile organic compounds
WAC	Washington Administrative Code
YHD	Yakima Health District
YRCAA	Yakima Regional Clean Air Agency

1. Introduction

This report presents the results of the first quarter 2025 environmental monitoring completed at the Rocky Top Environmental Limited Purpose Landfill (LPL) located at 41 Rocky Top Road in Yakima, Washington (Facility). The Facility is owned and operated by DTG Recycling (DTG). Figure 1 shows the overall location of the Facility. Figure 2 shows the details of the Facility including the monitoring well locations, lined and unlined cells, the leachate pond, and other operations.

1.1 LPL Description

The Facility was permitted for sand and gravel mining operations beginning in 1983. In 1991, the Facility permit was modified to include petroleum-contaminated soil (PCS) remediation and re-use of treated PCS for cover or crushed into rock for asphalt and used as fill material. The Facility was later permitted as an unlined construction, demolition, and land-clearing debris (landfill that began operation in 1997 as Anderson Rock and Demolition Pits) under Chapter 173-304 of the Washington Administrative Code (WAC). The Facility was reclassified as an LPL in 2007, with the southern expansion area permitted in 2015. The LPL accepted treated PCS that was stockpiled in a separate area on the northeast portion of the Facility and managed until soil concentrations were below the Model Toxics Control Act (MTCA) Method A cleanup levels (CULs) for unrestricted land use. Once soils in the stockpiles were below MTCA CULs, they were used as daily cover in the LPL following approval from Yakima Health District (YHD).

In October 2019, DTG purchased the Facility and overtook operations of the LPL. Phase 1 is the historical fill area and is unlined (Figure 2). Filling of Phase 1 continued through 2022, and then waste was placed in a permitted unlined expansion cell south of Phase 1. It was discovered that the area had hydrogeologic physical conditions differing from those estimated for the original permitting. This south area became known as the temporary fill area and DTG began plans for a lined expansion cell (Phase 2). Waste placement in the temporary fill area continued through June 2023 when the permit renewal for the LPL was denied primarily due to the need for an air permit from the Yakima Regional Clean Air Agency (YRCAA). By September 2024, DTG had completed the construction of Phase 2 located on the southern portion of the Facility that had a liner system and leachate collection system. The Facility permit was renewed in December 2024 (YHD 2024) and DTG began placing LPL waste in Phase 2 and moving waste from the temporary fill area into the new lined cell. A leachate collection pond (Figure 2) serves the lined cell.

1.1.1 MTCA Site

The Washington State Department of Ecology (Ecology) listed the northwest slope of Phase 1 of the LPL as a MTCA cleanup site in September 2022 related to ambient air found above MTCA CULs. DTG and Ecology negotiated an Agreed Order (AO) that was executed in February 2023. A subsurface fire beneath the northwest slope of the LPL was confirmed in March 2023. Based on the potential contaminants related to the fire, Ecology requested the installation of additional downgradient monitoring wells. These wells were installed in 2024 related to the MTCA limited remedial investigation (RI). Ecology also requested additional chemicals of potential concern (COPCs) in groundwater to be investigated.

Groundwater monitoring related to MTCA releases includes analysis for additional parameters that are suspected to be present related to the MTCA site and is being reported separately. This includes analysis of per- and polyfluoroalkyl substances (PFAS), dioxins/furans, semi-volatile organic compounds including carcinogenic polycyclic aromatic hydrocarbons, and U.S. Environmental Protection Agency (EPA) priority pollutant metals.

1.1.2 Additional Facility Operations

There is a materials recovery Facility (MRF) operating in the central portion of the Facility adjacent to the LPL. In 2023, YHD required the MRF to develop a covered receiving area which was installed in 2024. Additional MRF area requirements include an impervious receiving floor and leachate controls. DTG is in the process of designing and constructing these systems for the MRF. Figure 2 displays the current MRF location. An active rock quarry also operates in the western portion of the Facility and is permitted separately (Figure 2). A PCS remediation area is located on the eastern portion of the Facility. The PCS remediation area is currently undergoing closure with YHD so that the MRF can be developed at this location. Three 10-foot monitoring wells were installed around the PCS remediation area in 1991. The wells are dry and planned to be decommissioned during the closure process.

2. Physical Setting

The Facility is located northwest of Yakima in Section 10, Township 13 North, Range 17 East, Willamette Meridian, in Yakima County, Washington. The area of the LPL is within the Yakima fold and thrust belt of the Columbia Plateau which is a series of east-west trending thrust faults and folds on the westernmost portion of the Columbia Plateau. The anticlines are usually formed over a thrust fault and typically form topographic ridges. The Facility is located on the northeast flank of Cowiche Mountain, which is an east-west trending anticlinal structure that extends from Cowiche Mountain to under the City of Yakima and forms Yakima Ridge to the east of the LPL. The axis of the anticline is located approximately 1,600 feet (ft) to the south of the LPL (Bentley and Campbell 1983).

2.1 Topography

The topography of the Facility slopes northerly from an elevation of approximately 2,000 ft above sea level on the southern border of the Facility down to approximately 1,800 ft above sea level on the northern border of the Facility. The Facility has an average slope, from southwest to northeast, of approximately 15% to 25%.

2.2 Soils

Soils on the Facility consist of silt loams up to 14-inches thick derived from Ellensburg Formation undifferentiated deposits and breakdown of basalt bedrock. Some areas of the Facility surface soils consist solely of weathered basalt fragments. The thickness of unconsolidated soil above bedrock varies up to approximately 14 ft; however, it is as much as 35 ft in some areas of the Facility due to regrading.

2.3 Geology

Below the surface soils of the Ellensburg Formation undifferentiated deposits, the geology of the Facility is comprised of Columbia River Basalt bedrock with sedimentary interbeds. The Yakima Basalt Subgroup comprises the uppermost (youngest) portion of the regional Columbia River Basalt Group and includes (from youngest to oldest): the Saddle Mountain Basalt, the Wanapum Basalt, and the Grande Ronde Basalt.

Locally, the Saddle Mountain Basalt is absent. The Ellensburg Formation is interbedded with the Yakima Basalt subgroup and is comprised of surficial formations of silt above bedrock as well as a significant interbed, known as the Vantage member of the Ellensburg Formation (Vantage Interbed).

The surface geology of the LPL (Bentley and Campbell 1983) is mapped as the Kelley Hollow flow of the Frenchman Springs Member of the Wanapum Basalt with a thin band of the Vantage Interbed separating the Wanapum Basalt (north) from the Grande Ronde Basalt (south). Mining has since uncovered large portions of the Vantage Interbed at the Facility including within the current temporary fill area.

The Wanapum Basalt is the shallow bedrock below the Facility, and is comprised of massive basalt, fractured basalt, columnar zones, pillow basalt, and palagonite. The thickness varies across the Facility but has been identified to be up to 260 ft thick at the Facility. The Wanapum Basalt is underlain by the Vantage Interbed of the Ellensburg Formation. The Vantage Interbed consists of sandstone, silt, and sand lenses and is approximately 30 to 35 ft thick. Below the Vantage Interbed is the Grande Ronde Basalt consisting of massive, columnar, and fractured basalt. The Grande Ronde Basalt has been observed up to 900 ft thick below the Facility.

2.4 Hydrogeology

There are two aquifers that are currently monitored below the LPL including a Shallow Aquifer (SA) and Interflow Zone (IZ) located within the Columbia River Basalt bedrock. There is also a Deep Aquifer (DA) occurring in the basalt that was monitored for four quarters in 2023. The SA and DA are the primary drinking water aquifers for neighboring Group B and domestic wells.

The basalt is dipping northerly at the Facility due to the Cowiche Mountain anticline. The natural dip places the SA as the first groundwater unit below the northern portion of the Facility and the IZ as the first groundwater unit below the southern portion of the Facility. There is an Alluvial Aquifer (AA) north and downgradient of the Facility within the Cowiche Valley that is the ultimate discharge of the SA. The AA is locally up to 350 ft thick based on well logs from Ecology.

The SA occurs within the bottom flow zone of the Wanapum Basalt, saturated portions of the Vantage Interbed, and saturated portions of the flow top zone of the Grande Ronde basalt. The SA is partially to fully confined. Five monitoring wells have been completed in the SA. All five wells are located downgradient of the Facility. MW-2S and MW-3S were completed between 2005 and 2007 and background monitoring events were conducted in 2008 and 2009. MW-4S was completed in July 2022 and background monitoring events were completed through 2024. MW-5S and MW-6S were completed in 2024 and background monitoring is being conducted on an accelerated basis in 2025.

The IZ occurs approximately 150 to 200 ft below the Grande Ronde-Vantage Interbed interface. The IZ is fully confined. Four monitoring wells have been completed in the IZ, one upgradient and three downgradient. MW-7D, MW-8D, MW-9D, and MW-10D were completed in 2024 and background monitoring is being conducted on an accelerated basis in 2025.

The DA occurs approximately 200 to 400 ft below the IZ within the Grande Ronde Basalt. The DA is fully confined with water levels approximately 200 ft above the source zone. The DA was monitored for four quarters in 2023 with samples collected from the Bertheas ’95 well located east of the Facility (Figure 2). No water levels could be measured in the well; however, the log indicates water levels were 600 ft below ground, or approximately elevation 1,325 ft above sea level. The Bertheas ’95 well was decommissioned in 2024 after a variance request to convert the well into a monitoring well was denied by Ecology.

2.4.1 Recharge and Discharge

The Yakima area (including the LPL area) is classified as a “zone of little groundwater recharge potential from direct precipitation sources” (Myers et al 1979), which is the lowest of three relative groundwater recharge classifications in their study. Recharge to groundwater in the basalt aquifers

occurs primarily between Cowiche Mountain and Bethel Ridge to the northwest, with some recharge north of the sub-basin boundary (USACE 1978). The reach of Yakima River east of the LPL is also classified as a suspected recharge area (Myers et al 1979). The SA in the Wanapum Basalt and IZ within the Grande Ronde Basalt discharge to the AA at lower elevations to the north, and ultimately to Cowiche Creek, which flows into Naches River, and then into the Yakima River. The DA in the Grande Ronde Basalt likely continues below the AA north of the facility and discharges to AA within the Yakima River Valley to the east-northeast.

2.4.2 Groundwater Flow

Shallow Aquifer

The groundwater gradient for the SA is predominantly northerly following the topographic slope and dip of the Vantage Interbed. In March 2022, HWA Geosciences (HWA) measured groundwater depths in 18 private residential and orchard wells surrounding the LPL completed in the SA, as well as in DTG monitoring wells MW-2S and MW-3S. Methods and results are detailed in the Groundwater Gradient Study, DTG/Anderson Pit Limited Purpose Landfill, Yakima, Washington (HWA 2022b). The interpreted groundwater elevation contour maps showed hydraulic gradients of 0.07 to 0.17 ft/ft, or approximately 370 to 900 ft per mile, with flow generally to the north, downslope and down-dip, as expected.

The gradient from the existing monitoring well network shows the SA is steeper below the Facility (0.23 to 0.28 ft/ft) and flattens slightly further north where the SA meets the Cowiche Valley.

Interflow Zone

The groundwater gradient for the IZ is described in Section 5.1 and has been observed to be northerly around 0.20 ft/ft following topography and the dip of the anticline. The third quarter 2024 was the first monitoring event where static water level elevations for the IZ were evaluated.

Deep Aquifer

Parametrix reviewed domestic well logs in the vicinity of the LPL to develop an approximate groundwater gradient map for the DA to support future well drilling. The gradient map developed from the domestic wells (Parametrix 2023b) showed a similar approximately north-northwesterly gradient for the DA near the LPL at a rate of approximately 0.11 ft/ft, or approximately 600 ft per mile. The gradient map also demonstrated there is a local groundwater divide located 1,500 ft south of the LPL along the anticline axis of Cowiche Mountain.

2.4.3 Hydraulic Conductivity

Hydraulic conductivity has been evaluated by previous hydraulic testing (HWA 2015, HWA 2022, Parametrix 2025a). The average, low, and high hydraulic conductivities for the SA and IZ were presented in the updated Hydrogeologic Characterization Report (Parametrix 2025e). Average hydraulic conductivity for the SA was calculated to be 3.1 ft/day with a known range from 0.4 to 7.8 ft/day. For the IZ wells, the average hydraulic conductivity was calculated to be 2 ft/day with a range of 0.05 to 7.5 ft/day.

2.5 Surface Water

Surface water at the Facility is comprised of ephemeral drainages flowing north off Cowiche Mountain periodically towards Cowiche Creek located in the valley north of the Facility. Surface water for the Facility is generally captured and evaporated on the Facility through surface water evaporation ponds.

3. Monitoring History

Groundwater monitoring for the LPL is completed quarterly for compliance with WAC 173-350-100 and permit requirements. Groundwater monitoring well locations at the LPL are shown on Figure 2. Table 1 summarizes the monitoring well details.

Well MW-2S was installed in December 2005. MW-3S was installed in September 2007. A third location, BH-1, was drilled in 2005 and was observed to be dry so no monitoring well was installed. Eight background monitoring events were conducted at MW-2S and MW-3S between August 2008 and August 2009 to establish baseline groundwater quality conditions. Background monitoring is described in the Groundwater Monitoring Report, Anderson Pit Limited Purpose Landfill, Yakima, Washington (HWA 2010). Since 2009, quarterly groundwater monitoring has been conducted at MW-2S and MW-3S and the results have been documented in annual reports. Quarterly groundwater reporting began in 2023.

Monitoring well MW-4S was installed in 2022 to update the hydrogeologic characterization and monitoring at the Facility (HWA 2022). It was initially sampled in October 2022 and has been monitored quarterly since installation. The initial results were presented in the 2022 annual report (Parametrix 2023a) and subsequent results were presented in quarterly and annual reports (Parametrix 2024a, 2025f).

The Bertheas ’95 domestic well in the DA (Figure 2) was sampled for four quarters in 2023 and results were presented in the 2023 quarterly and annual reports (Parametrix 2024a). The Bertheas ’95 well was decommissioned in September 2024 and is no longer available for sampling.

In 2024, two new SA wells and four new IZ wells were completed below the Facility. The two new SA wells MW-5S and MW-6S were installed prior to the second quarter 2024. Four new IZ monitoring wells (MW-7D, MW-8D, MW-9D, and MW-10D) were installed prior to the third quarter 2024. Eight groundwater monitoring events are planned for the new wells to meet the permit requirements. Four expedited sampling events (A events) are being completed in 2025 in addition to the routine quarterly monitoring (B events) and the six new wells will be sampled every approximately 1.5 months.

The Sampling and Analysis Plan (SAP) was updated in September 2024 (Parametrix 2024b) to reflect the revised statistical analysis approach for the groundwater monitoring program as well as to include information for the additional monitoring wells and sampling/monitoring the leachate pond for the Phase 2 lined cell. Leachate samples are collected annually during the first quarter event; however, the pond level and sump are checked quarterly. An additional MTCA-related groundwater SAP (Parametrix 2025b) was developed for required monitoring under the AO for additional contaminants.

Dedicated PFAS-free pumps have been installed in all the monitoring wells (Table 1). The results for MTCA-related contaminants are not included in this report and are presented in other reporting for the MTCA site as part of the AO. PFAS were confirmed in MW-3S at concentrations above CULs during the third and fourth quarters of 2024 (Parametrix 2024d, 2025c). A limited RI work plan (Parametrix 2025d) was developed for two additional monitoring wells (MW-1S and MW-11S) within the SA related to characterization of additional COPCs including PFAS.

3.1 Recent Changes

MW-1S and MW-11S are currently being drilled and constructed northeast of Phase 1 and north of MW-3S. MW-11S was drilled to a depth of 241 ft below ground and constructed with 20 ft of screen. MW-1S is currently being drilled. The wells will likely be included in the routine monitoring program

starting in the third quarter 2025 sampling event. Non-routine groundwater samples will likely be collected during the second quarter.

The leachate pond for Phase 2 is active and in use. Leachate is sampled annually during the first quarter event.

3.2 Objectives

This report documents the first quarter 2025 groundwater and leachate monitoring at the Rocky Top Environmental LPL. Reporting requirements, as required by the LPL operating permit and WAC 173-350-500, entail quarterly groundwater monitoring and submission of an annual groundwater monitoring report to the YHD and Ecology.

3.3 Compliance

If statistical analyses determine a significant increase over background (as described in Section 5.2.5), DTG will notify YHD and Ecology within 30 days of the evaluation finding. If the increase is not demonstrated to be attributable to a source other than the landfill, natural variation in groundwater quality, or an error in sampling, analyses, or statistical evaluation, and the concentrations of constituents exceed the groundwater quality criteria established by Chapter 173-200 WAC, Water Quality Standards for Groundwaters of the State of Washington, DTG in consultation with YHD and Ecology, will determine additional measures. Additional measures to be considered are to characterize the chemical composition of the release and the contaminant fate and transport characteristics by installing additional monitoring wells; assess and, if necessary, implement appropriate intermediate measures to remedy the release; and evaluate, select, and implement remedial measures as required by Chapter 173-340 WAC, MTCA, where applicable.

A suspected release from the LPL is currently being investigated as part of an AO under MTCA. Evaluation of additional monitoring wells downgradient of the suspected impacted monitoring wells (MW-3S and MW-4S) is being implemented to determine the nature and extent of the contamination including additional monitoring parameters that are reported separately as part of the MTCA investigation.

4. Sampling and Analysis

The first quarter 2025 groundwater sampling and analysis was conducted in accordance with the SAP (Parametrix 2024b). Field data sheets from the first quarter sampling are attached in Appendix A.

4.1 Routine Groundwater Sampling

Two sampling events were completed during the first quarter 2025:

- First quarter “A event” (February 12, 13, 14)– MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D
- First quarter “B event” (March 25, 31, April 1) – All monitoring wells and leachate

The monitoring wells were purged and sampled using the dedicated PFAS-free QED bladder pumps with an electronic pump control unit (QED Micropurge MP10/MP10H) and external nitrogen tank. Low flow purging methods were utilized in accordance with the SAP. Samples to be tested for dissolved

metals were field filtered through a 0.45-micron filter. A duplicate sample, MW-13S, was collected at well MW-6S during both the A and B events.

The first quarter "B event" also included additional MTCA analytical parameters including PFAS. Those results are included in the laboratory report (attached in Appendix B) but summarized separately (Parametrix 2025g).

4.2 Nonroutine Groundwater Sampling

No additional non-routine monitoring events were completed during the first quarter of 2025. Non-routine monitoring will likely occur following completion of drilling and construction of MW-1S and MW-11S.

4.3 Groundwater and Leachate Analysis

The first quarter 2025 samples for WAC 173-350-500 monitoring were analyzed by On-Site Environmental, Inc. (On-Site) located in Redmond, Washington. The analytical methods used are listed in Table 2.

In addition to the parameters required by WAC 173-350-500, the samples were analyzed for the volatile organic compounds (VOCs) included in WAC 173-351-990 Appendix I and naphthalene, and samples from the SA were analyzed for gasoline and diesel/oil range total petroleum hydrocarbons (TPH).

4.4 Leachate Pond Monitoring

Samples were collected from the leachate pond on March 25. The depth of leachate in the pond was observed to be 6.5 ft which is up into the designed free board (2 ft). The total depth of the lined pond is 7 ft. The leachate pond leak detection sump was measured with a sounder. Water was detected at approximately 32.4 ft of the total sump length of 33.5 ft indicating less than 3 inches of liquid is present within the sump.

5. Results

5.1 Groundwater Elevations and Flow

5.1.1 Groundwater Elevations

Table 3 summarizes the groundwater depths and elevations measured at the LPL during the first quarter "B event". Figure 3 presents a hydrograph of historical groundwater elevations for all monitoring wells compared with the cumulative deviation from average monthly precipitation recorded at the Yakima Air Terminal. The water levels are generally consistent with deviations in precipitation over time (Figure 3) with minor variances. The SA wells appear to respond to precipitation with MW-2S having less of a direct correlation. MW-2S is completed in the bottom of the SA below the Vantage Interbed.

Long term water level declines have been observed over the course of monitoring at both MW-2S and MW-3S. However, less of a decline has been observed at MW-2S and it has been stable since approximately 2023. MW-3S had further declines in 2024 and is currently approximately 30 feet below the historical maximum. MW-4S water levels have been stable but was elevated during the first

quarter event. The new wells MW-5S, MW-6S, MW-8D, MW-9D, and MW-10D show slight increases over the last few events while MW-7D had a large initial drop before stabilizing in the last two events.

5.1.2 Groundwater Gradient

Potentiometric surface maps for the first quarter B event were developed for the SA (Figure 4) and the IZ (Figure 5). Water levels in the SA trend primarily northerly at a rate of 0.25 ft/ft, or approximately 1,320 ft per mile. Water levels in the IZ trend north-northeasterly at a rate of 0.21 ft/ft, or 1,123 ft per mile. These flow directions and gradients are similar to the previous events observed at the Facility. Both the SA and IZ discharge into the AA north of the Facility within the Cowiche Valley.

5.1.3 Groundwater Flow

Groundwater particle velocity is described by the following relationship: V = K i / n, where:

V = particle velocity

K = hydraulic conductivity

i = gradient

n = effective porosity

Groundwater flow velocities were calculated using the average, minimum, and maximum hydraulic conductivities for the SA and IZ (see Section 2.4.3), an assumed effective porosity of 0.2 (Nimmo et al 2003), and the calculated gradient (Section 5.1.2, above).

Shallow Aquifer

Average	3.88 ft/day (1,414 ft/year)
Minimum	0.50 ft/day
Maximum	9.75 ft/day

Interflow Zone

Average	2.13 ft/day (777 ft/ year)
Minimum	0.05 ft/day
Maximum	7.98 ft/day

5.2 Groundwater and Leachate Quality

5.2.1 Data Quality Evaluation

For the first quarter 2025 events, field data sheets are presented in Appendix A and laboratory reports are presented in Appendix B. Appendix C presents an evaluation of the first quarter 2025 analytical and field data quality. No data were qualified related to the evaluation of compliance monitoring data.

5.2.2 Comparison of Data to Water Quality Criteria

5.2.2.1 Shallow Aquifer Samples

The data from the SA wells for first quarter 2025 events are presented in Table 4 and were compared to Water Quality Standards for Groundwaters of the State of Washington (GWQS; Chapter 173-200 WAC) and Maximum Contaminant Levels (MCLs; Chapter 246-290 WAC). TPH and naphthalene concentrations were compared to MTCA Method A CULs. One event is presented for wells MW-2S, MW-3S, and MW-4S and two events are presented for MW-5S and MW-6S. Table 5 summarizes the parameters for which one or more of the above standards were exceeded and indicates the SA wells in which the standards were exceeded.

The following concentrations in the SA wells above these criteria were observed in the first quarter 2025 events:

MW-3S

- Nitrate was above the GWQS of 10 mg/L

MW-4S

- Specific conductivity was above the GWQS of 700 µmhos/cm
- Nitrate was above the GWQS of 10 mg/L
- Total dissolved solids (TDS) was above the MCL of 500 mg/L

MW-5S

- Specific conductivity was above the GWQS of 700 µmhos/cm in the A event
- Total and dissolved iron were above the GWQS and MCL of 0.3 mg/L in both A and B events
- Total and dissolved manganese were above the GWQS and MCL of 0.05 mg/L in both A and B events

MW-6S

- Nitrate were above the GWQS of 10 mg/L in both A and B events
- Total manganese was above the GWQS and MCL of 0.05 mg/L in the A event

No VOCs were detected above laboratory reporting limits (RLs). No gasoline or diesel/oil-range TPH were detected. TPH has been sampled since 2022 and has not been detected in the SA.

The exceedances at MW-3S and MW-4S are potential impacts related to the LPL. Statistical comparisons for MW-2S, MW-3S, and MW-4S are presented in Section 5.2.5. Background sampling is still occurring for SA wells MW-5S and MW-6S.

5.2.2.2 Interflow Zone Samples

The data from the IZ wells for the first quarter 2025 events are presented in Table 6 and were compared to GWQS (Chapter 173-200 WAC) and MCLs (Chapter 246-290 WAC). Table 7 summarizes the compounds for which one or more of the above standards were exceeded and indicates the IZ wells in which the standards were exceeded.

The following concentrations in the IZ wells above these criteria were observed in the first quarter 2025 events:

MW-8D

- Total iron was above the GWQS and MCL of 0.3 mg/L in the A event

MW-9D:

- Total and dissolved iron were above the GWQS and MCL of 0.3 mg/L in the A and B events
- Total and dissolved manganese were above the GWQS and MCL of 0.05 mg/L in the A and B events

The aquifer at Well MW-9D is limited and water quality continues to remain elevated for total and dissolved iron and manganese. No VOCs were detected in the IZ wells above laboratory RLs.

5.2.2.3 Leachate Samples

The data from the leachate pond for the first quarter 2025 annual sampling are presented in Table 8.

No VOCs were detected in the leachate samples. TPH-diesel and TPH-oil were detected in the leachate at 0.18 mg/L and 0.28 mg/L, respectively. No gas-range TPH was detected. The leachate quality was lower in concentrations than the average of the monitoring wells for most parameters. The first quarter event occurred approximately 4 months after waste began being placed into the Phase 2 cell. The leachate generated to date did not appear to have much retention time within the LPL and largely lacked contaminants except for the metals and TPH.

5.2.3 Time-Series Plots

5.2.3.1 Groundwater

Time-series plots for inorganic parameters are presented in Appendix D. Data that have been identified as outliers for parameters that are evaluated statistically (Parametrix 2025f) and additional outliers for wells MW-2s and MW-3S identified for TOC have been excluded from the time-series plots. The data show a considerable degree of variability in TDS and some other analytes. It should be noted that the analytical laboratory has changed several times over the history of monitoring. The change of labs in the fourth quarter of 2022 is visible in the data. Some other apparent increasing trends have been observed in the inorganic parameters.

Data for the first sampling event of MW-9D in the third quarter of 2024 are anomalous for many parameters because the event was nonroutine and the well was turbid from development.

Alkalinity and Bicarbonate

Alkalinity and bicarbonate appear to be increasing at MW-4S, while generally stable/within the historical range in the remaining wells.

Ammonia

Ammonia has rarely been detected in the wells and was not detected in the first quarter 2025 events.

Dissolved Calcium

Dissolved calcium appears to be increasing in wells MW-3S and MW-4S. The first quarter 2025 dissolved calcium concentration at MW-6S was the highest detected value at that well; however, background is still being established. MW-6S is downgradient of MW-4S.

Chloride

Chloride appears to be increasing at MW-3S and relatively stable at the remaining wells.

Conductivity

Conductivity appears relatively stable since the fourth quarter of 2022.

Total and Dissolved Iron

Total and dissolved iron show high variability in the data particularly in the new IZ wells.

Total and Dissolved Magnesium

Total and dissolved magnesium concentrations appear to be increasing in wells MW-3S and MW-4S. The first quarter 2025 concentration in MW-4S were the highest detected values at that well.

Total and Dissolved Manganese

Total and dissolved manganese show high variability particularly in the new IZ wells.

Nitrate

Apparent increases in nitrate are visible for MW-3S and MW-4S. An apparent increase is also occurring at MW-6S; however, background is still being established at that well.

pH

The first quarter 2025 data fall within the typical historical range for pH.

Dissolved Potassium

Dissolved potassium appears to be relatively stable/within the historical range for the wells.

Dissolved Sodium

Apparent increasing trends are present at MW-3S and MW-4S. A similar increase is apparent at MW-6S; however, background is still being established at that well.

Sulfate

Apparent increases in sulfate are present at MW-3S. The last three quarters are the highest recorded.

Total Dissolved Solids

Apparent increases in TDS appear at MW-3S and MW-4S. The other wells appear to be relatively stable.

Total Organic Carbon

TOC appears relatively stable across all wells.

5.2.3.2 Leachate

This was the first quarter leachate samples were collected from the Phase 2 leachate pond (Figure 2). As additional leachate data are collected, time-series plots showing leachate through time will be developed.

5.2.4 Geochemical Evaluation

5.2.4.1 Cation/Anion Balances

Cation/anion balance evaluations for the 2025 first quarter events are presented in Appendix E. Cation/anion balances are a standard check of inorganic water quality data. When all the major anions and cations have been accurately determined, the sum of the anions in milliequivalents per liter (meq/L) should equal the sum of the cations expressed in the same units. WAC 173-351-420(5)(a) specifies that a 5 percent difference is acceptable if the anion plus cation sum of the sample is greater than 5 meq/L, while a 10 percent difference is acceptable if the anion plus cation sum of the sample is less than 5 meq/L.

The first quarter 2025 cation/anion balance differences were within acceptable limits except for MW-9D during the A event and MW-6S, MW-10D, and the leachate sample during the B event. Possible explanations for the cation/anion imbalances are the presence of other ions not analyzed for or suspended solids in the water samples.

5.2.4.2 Trilinear Diagram

A trilinear (piper) diagram showing the first quarter 2025 data is presented in Appendix E. Piper diagrams are trilinear graphical representations of inorganic water quality, where major anions (chloride, sulfate, and bicarbonate + carbonate) and cations (calcium, magnesium, and sodium + potassium) are plotted on a molar equivalent basis, on two triangular graphs, and the combined data projected onto a quadrilateral field, or four-sided graph. The Piper diagram can be used to compare different water samples to evaluate the degree of similarity, mixing relationships, time trends, etc.

Groundwater quality in the monitoring wells shows some variations in cation and anion distributions suggesting slightly differing geochemical conditions. The cation distributions in all monitoring wells fell within a similar zone with the principal cations being calcium and magnesium. The anion distributions were more variable.

The first quarter 2025 data were generally consistent with historical data from the fourth quarter of 2024. Anions in SA well MW-2S and IZ wells MW-7D and MW-10D were dominantly bicarbonate, while the other wells had varying proportions of bicarbonate, sulfate and chloride. Wells MW-4S, MW-5S, MW-8D, and MW-9D had slightly higher proportions of bicarbonate compared to wells MW-3S and MW-6S, which had slightly higher proportions of chloride. The data were relatively consistent between the two first quarter events, except that the A event for MW-5S had a higher proportion of sulfate and chloride with respect to bicarbonate, whereas the B event was more consistent with historical data.

MW-2S is screened slightly lower in the SA than the other monitoring wells and includes the flow top zone of the Grande Ronde Basalt. The Piper diagram is consistent with the slight differences in geochemistry anticipated due to differing positions of these wells and more closely resembles the geochemistry of the other wells completed in the IZ of the Grande Ronde Basalt.

The leachate sample had slightly higher proportions of sulfate and calcium with respect to the majority of the groundwater samples.

5.2.5 Statistical Analysis of Groundwater Quality Data

5.2.5.1 Statistical Approach

Washington's Solid Waste Landfill regulations (Chapter 173-350 WAC) require evaluation of groundwater monitoring data to identify if a statistically significant increase above background has

occurred. The current statistical approach is summarized in the 2024 annual report (Parametrix 2025f) and consists of comparing quarterly data for a subset of leachate indicator parameters to upper prediction limits (UPLs). Control charts are also used to supplement the UPLs to evaluate whether any trends are occurring that could potentially be attributable to the landfill, including comparing compliance data to Shewhart Control Limits (SCLs) and calculated cumulative sums (CUSUMs) to the calculated control limits (h), where percentages of non-detected values are greater than 50 percent.

An intrawell (i.e., within the same well) statistical approach is being used to evaluate compliance at the SA wells MW-2S, MW-3S, and MW-4S since there are no upgradient background wells within the SA. Intrawell background data is still being established at SA wells MW-5S and MW-6S. For the IZ, MW-10D is a background data point upgradient of the Facility. The initial eight data points for MW-10D and the downgradient monitoring wells MW-7D, MW-8D, and MW-9D will be completed at the end of 2025 and statistical analysis will be completed at that time for use in the 2026 monitoring program. Due to aquifer heterogeneity, intrawell comparisons are anticipated for the IZ wells as water quality is variable (Table 6). As noted above, leachate is currently being sampled and the data may be used in the future to refine the subset of leachate indicator parameters.

A subset of leachate indicator parameters from Chapter 173-350 WAC are being used to establish statistical limits for the three monitoring wells that have established background (MW-2S, MW-3S, and MW-4S). The following parameters were selected for formal statistical analysis:

- pH
- chloride
- nitrate
- sulfate
- ammonia
- TDS
- total and dissolved iron
- total and dissolved manganese

The time series plots and apparent trends (Section 5.2.3 above) and comparison of groundwater to leachate data (Section 5.2.2.3 above), show these parameters appear to be appropriate leachate indicators for the statistical program.

The statistical limits are used in the following way to evaluate groundwater quality at the Rocky Top Environmental LPL:

- For a statistically significant increase (monitoring data exceeding a limit for two consecutive quarters) that cannot be attributed to sampling error, the monitoring data will be compared to the water quality standard in Chapter 173-200 WAC (if available).
- If the water quality standard is exceeded, the monitoring data will be compared to any historical data values that were flagged as outliers to determine whether the monitoring data are within the range of historical data. Because historical outliers were flagged based on statistical tests and visual assessments but could not be verified as outliers through additional data evaluation such as resampling or laboratory review, those values may actually represent a portion of the background population.

5.2.5.2 First Quarter 2025 Statistical Evaluation

The statistical approach for evaluating data at the LPL was used to evaluate whether any statistically significant increases are present that could potentially be attributable to the landfill. Table 9 compares the first quarter 2025 event B data to the UPLs and SCLs (Parametrix 2025f and Appendix F). Control charts updated with first quarter 2025 data are presented in Appendix F.

The following exceedances were identified:

MW-3S

- Chloride exceeded the UPL of 47.39 mg/L but was below the SCL of 85.84 mg/L
- Nitrate exceeded the UPL of 9.837 mg/L but was below the SCL of 18.23 mg/L
- Sulfate exceeded the UPL of 46.12 mg/L but was below the SCL of 81.34 mg/L
- TDS exceeded the UPL of 293.6 mg/L but was below the SCL of 533.1 mg/L

MW-4S

- Total Iron slightly exceeded the UPL of 0.055 mg/L

The concentrations of chloride, nitrate, sulfate, and TDS at MW-3S have exceeded UPLs for more than two consecutive quarters (Parametrix 2025f). The first quarter nitrate concentration was above the GWQS/MCL, although concentrations of chloride, sulfate, and TDS remain below GWQS/MCLs. These statistically significant increases will continue to be evaluated in on-going monitoring. Two new monitoring wells are being installed downgradient of MW-3S and excavation of the temporary fill area is being implemented. The results from 2025 first quarter monitoring event will be confirmed in the second quarter 2025 event to determine if statistically significant increases continue to impact groundwater at MW-3S.

MW-4S had a detection of total iron above its UPL which is set at the RL. The detected concentration was below the GWQS/MCLs and may be related to turbidity or natural variability. Since this is the first quarter where statistical comparisons are being conducted at MW-4S, this exceedance will be verified in the second quarter of 2025. Other leachate parameters that have been observed to have increasing trends or exceedances of groundwater quality criteria in the well (nitrate, conductivity, TDS) were found below their UPLs.

6. Conclusions

This report summarizes the first quarter 2025 monitoring at the Rocky Top Environmental LPL in compliance with WAC 173-350-500 which consisted of two separate monitoring events February 2025 (A event) for the six new monitoring wells and March/April 2025 (B event) for all the wells. Additional monitoring events are being completed to establish background water quality at the six monitoring wells completed in 2024 (MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, and MW-10D). Leachate was sampled during the first quarter B event.

Water levels (Table 3) for the SA and IZ show predominantly northerly gradients (Figures 4 and 5). Groundwater flow velocities were calculated to average 3.88 ft/day for the SA and 2.13 ft/day for the IZ. Water levels appear to follow a seasonal pattern; however, some decreasing levels have been observed historically (Figure 3).

Leachate levels in the leachate pond were up into the designed freeboard with approximately 6.5 ft of leachate present. Less than 3 inches of water were observed in the leachate pond leak detection sump.

Groundwater samples were compared to GWQSs and MCLs (Tables 4 and 6) and the following exceedances (Tables 5 and 7) were identified in at least one of the events:

- Nitrate was above the GWQS in MW-3S, MW-4S, and MW-6S
- Specific conductivity was above the GWQS in MW-4S and MW-5S (A event only)
- TDS was above the MCL in MW-4S
- Manganese (total and dissolved) was above the GWQS and MCL in MW-5S and MW-9D; and total manganese was above the GWQS and MCL in MW-6S (A event only)
- Iron (total and dissolved) was above the GWQS and MCL in MW-5S and MW-9D; and total iron was above the GWQS and MCL in MW-8D (A event only)

Time series plots were developed (Appendix D) and apparent increasing trends were observed at MW-3S and MW-4S for several leachate indicator parameters. MW-6S also showed potential increasing trends; however, background is still being established.

A geochemical evaluation of cations/anions were performed (Appendix E). Data for MW-9D for the A event and MW-6S, MW-10D, and the leachate sample for the B event were outside of WAC 173-351-420(5)(a) acceptable range potentially indicating additional anions are present. A piper diagram was developed showing the geochemistry of all the wells. The geochemistry was generally consistent with historical data except that the MW-5S data for the A event had a higher proportion of sulfate and chloride with respect to bicarbonate, whereas data for the B event were more consistent with historical data.

Results for MW-2S, MW-3S, and MW-4S were compared to established UPLs and SCLs for ten leachate indicator parameters (Table 9). MW-3S concentrations have exceeded the UPLs for chloride, nitrate, sulfate, and TDS for more than two consecutive quarters (Parametrix 2025f), although the first quarter 2025 data were below the SCLs. The concentration of nitrate in MW-3S also exceeded the GWQS and MCL. These statistically significant increases are currently being addressed through installation of further downgradient well MW-11S, and the data will continue to be evaluated in on-going monitoring. MW-4S had a detection of total iron above its UPL which is set at the RL. Since this is the first quarter where statistical comparisons are being conducted at MW-4S, this exceedance will be verified in the second quarter of 2025. Other leachate parameters that have been observed to have increasing trends or exceedances of groundwater quality criteria in MW-4S (nitrate, conductivity, TDS) were found below their UPLs.

Assessment monitoring is being implemented at the LPL and additional monitoring wells will assist in determining the fate and transport of landfill contaminants. The monitoring wells are being analyzed for additional MTCA contaminants as part of the Limited RI under the AO. MTCA monitoring for the additional contaminants is reported separately. Potential impacts related to the landfill at MW-4S have been investigated with additional downgradient monitoring wells MW-5S and MW-6S and potential impacts at MW-3S are being investigated with additional monitoring wells MW-1S and MW-11S (Figure 2). MW-11S was drilled and constructed in the first quarter of 2025. MW-1S will be completed in the second quarter of 2025. The wells will be added to the expedited background (A events) and routine (B events) starting with the third quarter of 2025.

6.1 Recommendations

The following recommendations and planned activities are based on the data presented in this report:

- The SAP should be updated following completion of MW-1S anticipated in the second quarter of 2025.
- TPH and VOCs have been monitored in SA monitoring wells since 2022 and VOCs are being analyzed in samples from the IZ wells. TPH was recommended to be removed from monitoring in the 2024 annual report. VOCs likely should also be removed from monitoring. Samples should continue to be analyzed for TPH and VOCs in 2025 while the RI is on-going and background is being established; however, we recommend removal once background has been completed.
- DTG should continue removing waste from the temporary fill area to reduce potential leachate related contaminants from reaching the water table.

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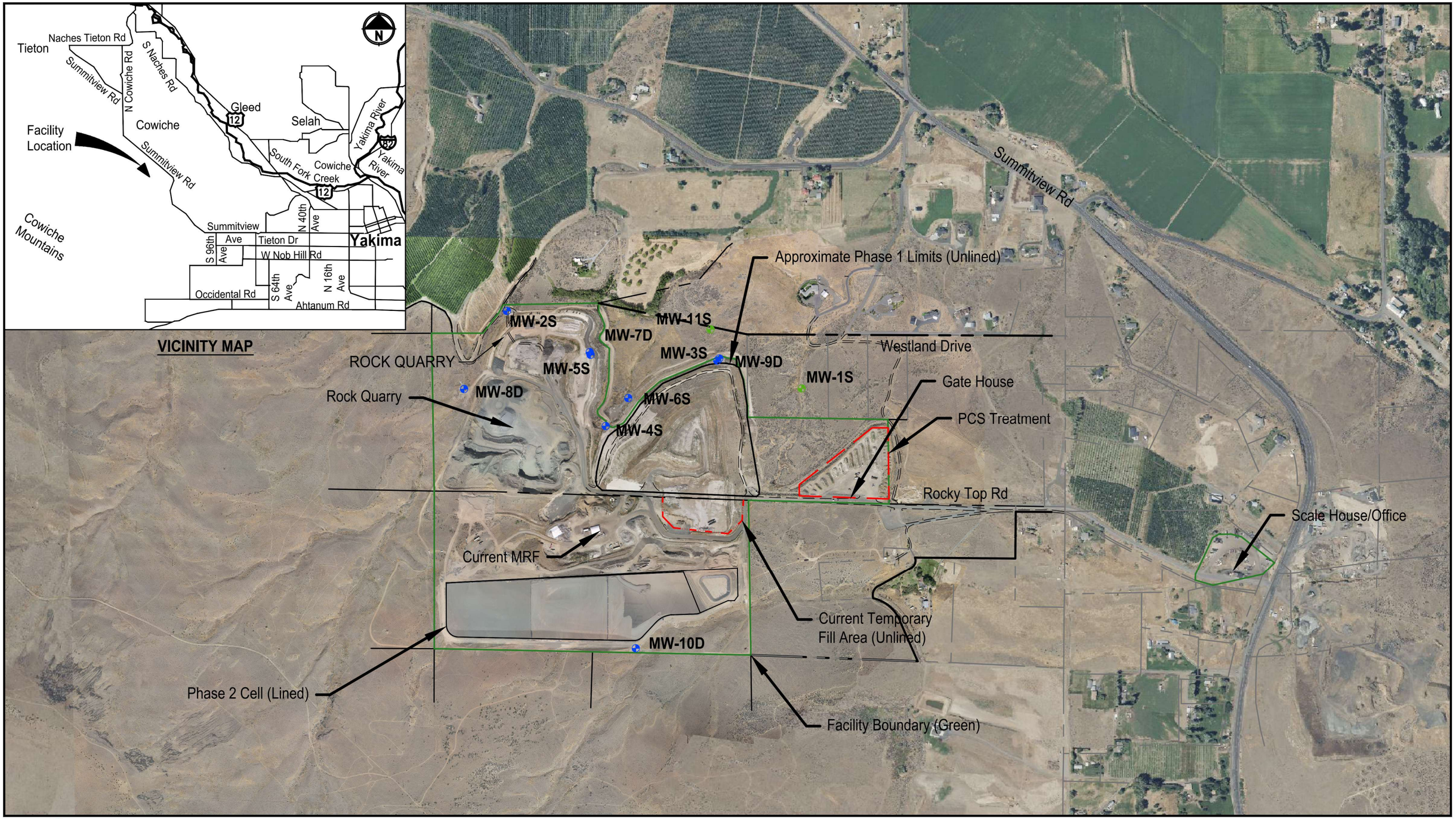
8. Limitations

The conclusions expressed herein are based solely on material referenced in this report. Observations were made under the conditions stated. Within the limitations of scope, schedule and budget, these services were executed in accordance with generally accepted professional principles and practices in the area at the time the report was prepared. No warranty, expressed or implied, is made. Experience has shown that subsurface soil and groundwater conditions can vary significantly over small distances. The findings and conclusions must not be considered as scientific or engineering certainties, but rather as our professional opinion concerning the significance of the limited data gathered and interpreted during the course of the assessment.

This study and report have been prepared on behalf of DTG, for the specific application to the subject property. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

Figures

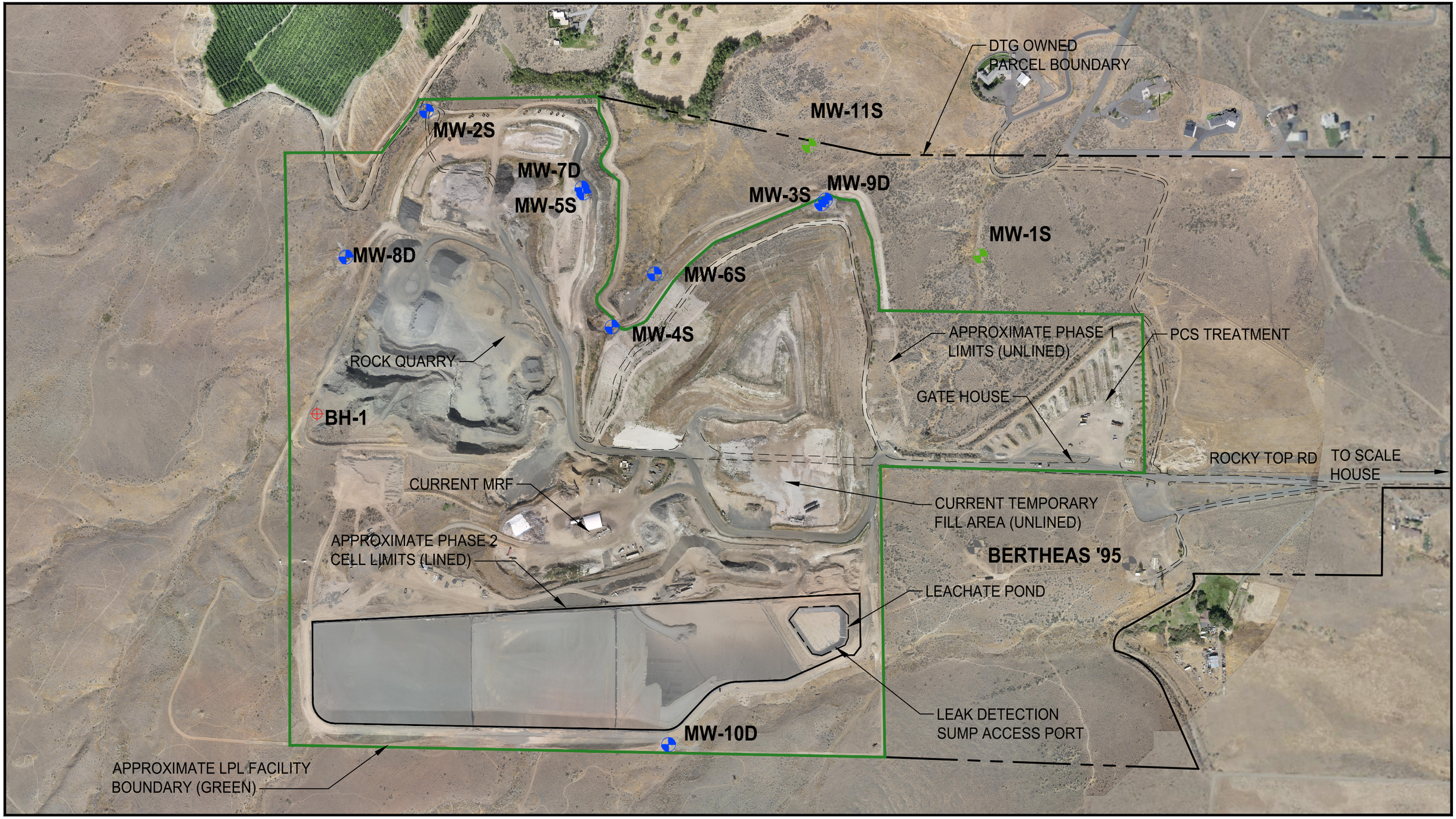


Parametrix DATE: March 7, 2025 FILE: PS8472008–FIGURE 1 – VICINITY MAP

0 N 750
SCALE: 1"=750'

- Monitoring Well
- Proposed Monitoring Well

Figure 1
Facility Vicinity Map
Rocky Top Environmental Limited Purpose Landfill



Parametrix

DATE: June 17, 2025

FILE: PS8472008–FIGURE 1 – VICINITY MAP

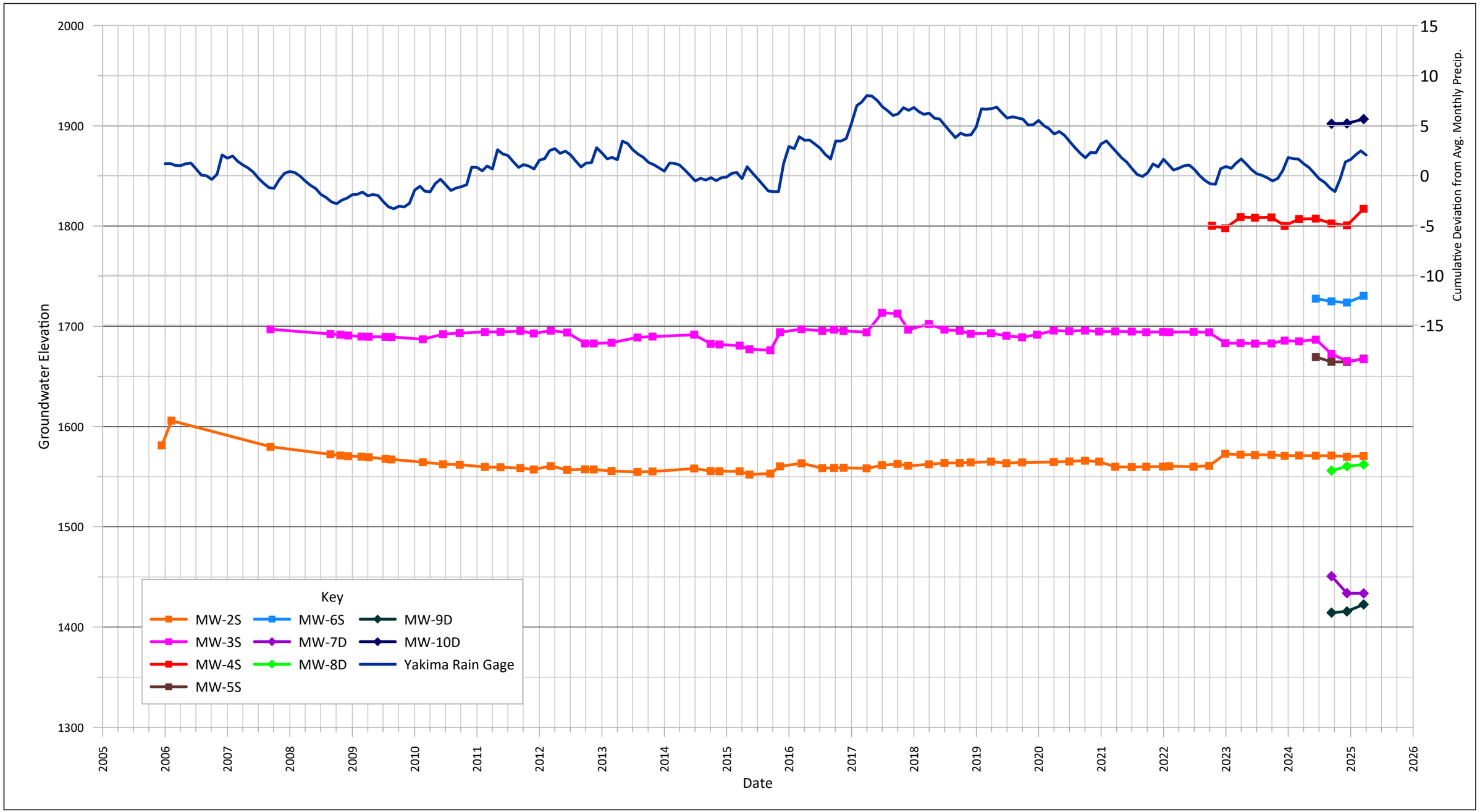
N

0 400

1 INCH = 400 FT.

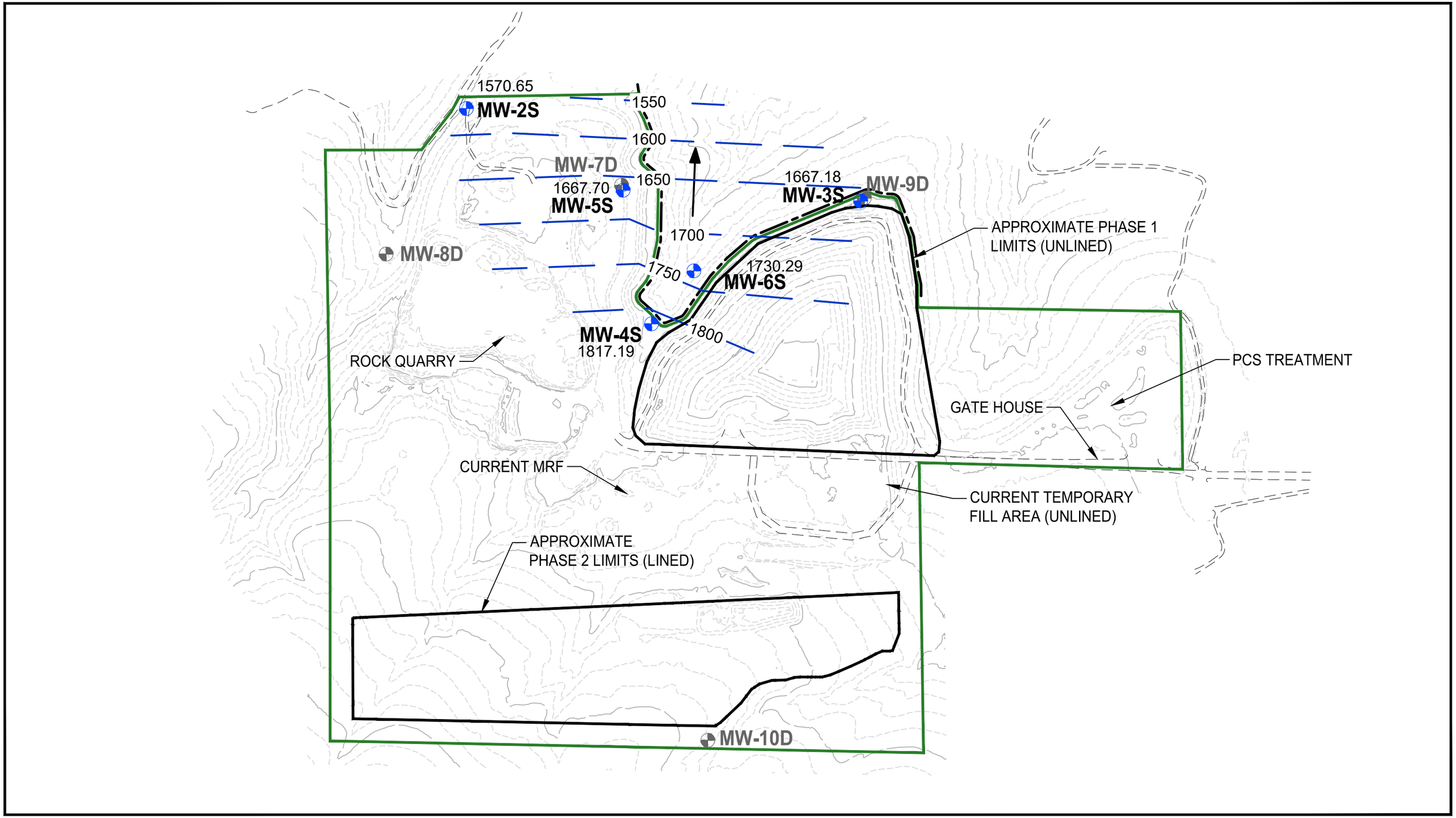
- Monitoring Well
- Proposed Monitoring Well
- Borehole
- Decommissioned Well

Figure 2
Well Location Map
Rocky Top Environmental Limited Purpose Landfill



Parametrix

Figure 3
Water Level Summary
Rocky Top Environmental Limited Purpose Landfill



Parametrix DATE: June 23, 2025 FILE: 8472009-QUARTERLYRPT FIGURE 4-5

0 N 400
1 INCH = 400 FT.

1817.19 Monitoring Well with Water Level Elevation in feet measured on April 1, 2025

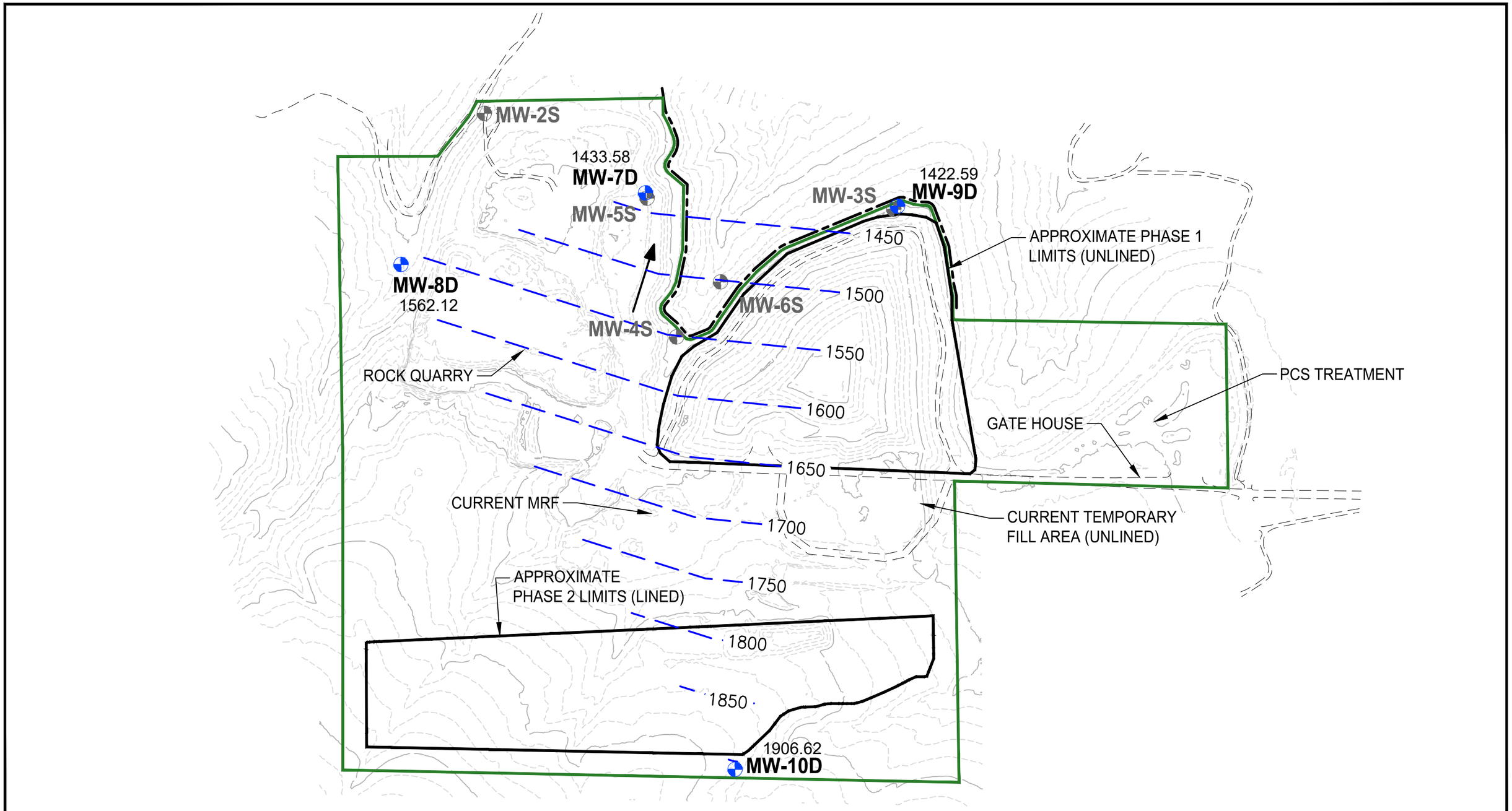
Monitoring Well not used in contours

Approximate Groundwater flow direction

1700 Groundwater Elevation Contour (ft)

LPL Facility Boundary

Figure 4
First Quarter 2025
Shallow Aquifer Potentiometric Surface
Rocky Top Environmental Limited Purpose Landfill



Parametrix DATE: June 23, 2025 FILE: 8472009-QUARTERLYRPT FIGURE 4-5

0 N 400
1 INCH = 400 FT.

1433.58 Monitoring Well with Water Level Elevation in feet measured on April 1, 2025

Monitoring Well not used in contours

Approximate Groundwater flow direction

1700 Groundwater Elevation Contour (ft)

LPL Facility Boundary

Figure 5
First Quarter 2025
Intermediate Zone Potentiometric Surface
Rocky Top Environmental Limited Purpose Landfill

Tables

Table 1. Well Detail Summary

Well ID	Northing	Easting	Ground Elevation (ft)	TOC Elevation (ft)	Screen Interval (ft bgs)	Completion Zone	Pump Type	Pump Depth (ft bgs)
MW-2S	473814.19	1591095.99	1856.31	1858.36	310-330	SA	P1101HM-Z	316.5
MW-3S	473404.76	1592840.90	1843.82	1845.92	188-198	SA	P1101M-Z	189.5
MW-4S	472860.94	1591915.35	1843.44	1845.59	49-69	SA	P1101M-Z	56.5
MW-5S	473452.58	1591789.89	1881.53	1883.88	222-242	SA	P1101M-Z	236
MW-6S	473095.44	1592102.50	1822.97	1825.31	110-130	SA	P1101M-Z	123
MW-7D	473475.06	1591782.75	1881.68	1883.88	475-495	IZ	P1101HM-Z	485.5
MW-8D	473169.85	1590740.82	1861.60	1863.94	375-405	IZ	P1101HM-Z	390.5
MW-9D	473421.50	1592857.26	1845.25	1847.49	420-440	IZ	P1101HM-Z	439.5
MW-10D	471017.47	1592164.59	1986.47	1988.77	150-170	IZ	P1101M-Z	160.5

SA = Shallow Aquifer

bgs = below ground surface

IZ = Interflow zone

Table 2. Groundwater Analyses and Analytical Methods

Analyte	Methods
Temperature	field
pH	field
Specific conductivity	field
Alkalinity as $CaCO_3$	SM 2520B
Ammonia	EPA 350.1
Bicarbonate as $CaCO_3$	Calculation
Calcium (D)	SM3111B
Chloride	SM4500-Cl E
Iron (D&T)	SM3111B
Magnesium (D&T)	SM3111B
Manganese (D&T)	SM3111B
Nitrate as N	EPA 353.2
Potassium (D)	SM3111B
Sodium (D)	SM3111B
Sulfate	ASTM D516-90
Total Dissolved Solids	SM2540C
Total Organic Carbon	SM 2550B
Volatile Organic Compounds	EPA 8260D*
Total Petroleum Hydrocarbons – Gasoline range	NWTPH-Gx
Total Petroleum Hydrocarbons – Diesel/Oil range	NWTPH-Dx

D = Dissolved

T = Total

*WAC 173-351-430 parameter list

Table 3. Groundwater Elevations, First Quarter 2025, Rocky Top Environmental Limited Purpose Landfill

Well Number	Measurement Date	Elevation Top of PVC Casing (feet)	Depth to Groundwater (feet below top of casing)	Groundwater Elevation (feet)
MW-2S	4/1/2025	1858.36	287.71	1570.65
MW-3S	3/31/2025	1845.92	178.74	1667.18
MW-4S	4/1/2025	1845.59	28.40	1817.19
MW-5S	3/31/2025	1883.88	216.18	1667.70
MW-6S	4/1/2025	1825.31	95.02	1730.29
MW-7D	3/31/2025	1883.88	450.30	1433.58
MW-8D	4/1/2025	1863.94	301.82	1562.12
MW-9D	3/31/2025	1847.49	424.90	1422.59
MW-10D	3/31/2025	1988.77	82.15	1906.62

Notes:

Elevation datum based on NAD83

Water levels were taken on different dates due to aquifer testing and sampling event scheduling

Table 4. First Quarter 2025 Shallow Aquifer Groundwater Quality Monitoring Results, Rocky Top Environmental Limited Purpose Landfill

Analyte	GWQS		MCL		Units	MW-2S 4/1/2025	MW-3S 3/31/2025	MW-4S 4/1/2025	MW-5S 2/13/2025	MW-5S 3/31/2025	MW-6S 2/14/2025	MW-13S (MW-6S Dup) 2/14/2025	MW-6S 4/1/2025	MW-13S (MW-6S Dup) 4/1/2025	Trip Blank 3/31/2025
Field Data															
pH	6.5-8.5					7.59	7.09	7.13	7.17	7.87	7.25	--	7.51	--	--
Conductivity			700	**	µmhos/cm	120	432	**752**	**765**	525	573.4	--	389	--	--
Temperature					C	13.73	13.69	12.33	12.9	13.8	10.6	--	12.36	--	--
Redox					mv	192	172	187	110.5	-187	120.9	--	165	--	--
Dissolved Oxygen					mg/L	7.28	4.77	5.77	0.22	8.75	3.35	--	4.26	--	--
Turbidity					NTU	0.06	0.21	0.36	0.0	0.25	1.71	--	0.5	--	--
Metals															
Calcium, Dissolved					mg/L	14	52	100	60	35	41	40	48	48	--
Iron, Total	0.30	**	0.3	**	mg/L	<0.056	<0.056	0.057	**1.0**	**0.87**	0.12	0.16	<0.056	<0.056	--
Iron, Dissolved			0.3	**	mg/L	<0.056	<0.056	<0.056	**0.92**	**0.37**	<0.056	<0.056	<0.056	<0.056	--
Magnesium, Total					mg/L	8.9	34	70	45	24	30	31	29	30	--
Magnesium, Dissolved					mg/L	9.3	36	72	42	23	28	28	32	32	--
Manganese, Total	0.05	**	0.05	**	mg/L	<0.011	<0.011	<0.011	**0.21**	**0.14**	**0.30**	**0.32**	0.018	0.020	--
Manganese, Dissolved			0.05	**	mg/L	<0.011	<0.011	<0.011	**0.21**	**0.096**	<0.011	<0.011	<0.011	<0.011	--
Potassium, Dissolved					mg/L	2.6	4.2	6.3	5.2	3.1	4.1	3.9	3.9	4.2	--
Sodium, Dissolved					mg/L	10	21	25	20	19	16	15	18	18	--
Water Quality Parameters															
Alkalinity, Total					mg CaCO3/L	78	94	160	100	100	84	84	86	86	--
Ammonia (NH3) as Nitrogen (N)					mg/L	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	--
Bicarbonate					mg CaCO3/L	78	94	160	100	100	84	84	86	86	--
Chloride	250	**	250	**	mg/L	2.7	68	49	77	26	60	62	62	64	--
Nitrate	10	*	10	*	mg/L-N	0.702	**11.3**	**62.8**	<0.050	0.0800	**11**	**10**	**11.3**	**11.6**	--
Sulfate	250	**	250	**	mg/L	<5.0	75	100	160	79	56	50	51	54	--
Total Dissolved Solids	500	**	500	**	mg/L	160	420	**710**	300	330	340	330	390	430	--
Total Organic Carbon					mg/L	<1.0	3.0	5.0	4.0	<1.0	3.1	3.2	3.0	3.1	--
Total Petroleum Hydrocarbons															
Gasoline Range Organics [a]	MTCA Metł		1000		µg/L	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
TPHDx															
Diesel Range Organics					mg/L	<0.21	<0.20	<0.21	<0.21	<0.20	<0.20	<0.20	<0.20	<0.21	--
Lube Oil Range Organics					mg/L	<0.21	<0.20	<0.21	<0.21	<0.20	<0.20	<0.20	<0.20	<0.21	--
Volatile Organic Compounds															
Chloromethane					µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	0.02	***	2	*	µg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Bromomethane					µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane					µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CFC-11, Trichlorofluoromethane					µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethene			7	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acetone					µg/L	<5.0	<5.0	<5.0	<5.0	<6.7	<5.0	<5.0	<6.7	<5.0	<5.0
Methyl Iodide					µg/L	<1.0	<1.0	<1.0	<1.7	<1.4	<1.7	<1.7	<1.4	<1.0	<1.0
Carbon Disulfide					µg/L	<0.20	<0.20	<0.20	<0.20	<0.26	<0.20	<0.20	<0.26	<0.20	<0.20
Methylene Chloride	5	***	5	*	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acrylonitrile	0.07	***			µg/L	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50
Trans-1,2-Dichloroethene			100	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	1	***			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl Acetate					µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene			70	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Table 4. First Quarter 2025 Shallow Aquifer Groundwater Quality Monitoring Results, Rocky Top Environmental Limited Purpose Landfill

Analyte	GWQS		MCL		Units	MW-2S 4/1/2025	MW-3S 3/31/2025	MW-4S 4/1/2025	MW-5S 2/13/2025	MW-5S 3/31/2025	MW-6S 2/14/2025	MW-13S (MW-6S Dup) 2/14/2025	MW-6S 4/1/2025	MW-13S (MW-6S Dup) 4/1/2025	Trip Blank 3/31/2025
Volatile Organic Compounds (continued)															
2-Butanone					µg/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane					µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	7	***	80	* THM	µg/L	<0.20	<0.20	<0.20	<1.0	<0.20	<1.0	<1.0	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	200	*	200	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon Tetrachloride	0.3	***	5	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	1	***	5	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	0.5	***	5	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethene	3	***	5	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	0.6	***	5	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromomethane					µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichlorobromomethane	0.3	***	80	* THM	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,3-Dichloropropene					µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
4-methyl-2-pentanone					µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene			1000	*	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-Dichloropropene					µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane			5	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	0.8	***	5	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2-Hexanone					µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dibromochloromethane			80	* THM	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromoethane (EDB)	0.001	***	0.05	*	µg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Chlorobenzene			100	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane					µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene			700	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
m, p-Xylene					µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
o-Xylene					µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Styrene			100	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	5	***	80	* THM	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane					µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,3-Trichloropropane					µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.27
trans-1,4-Dichloro-2-butene					µg/L	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50	<1.0	<0.50	<0.50
1,4-Dichlorobenzene	4	***	75	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene			600	*	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromo-3-chloropropane			0.2	*	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	MTCA Metł		160		µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

GWQS = Water Quality Standards for Ground Waters of the State of Washington (WAC 173-200)
MCL = Maximum Contaminant Level, State Drinking Water Regulations (WAC 246-290)
MTCA = Model Toxics Control Act (WAC 173-340)
[a] = Gasoline with no benzene present
* = Primary
** = Secondary
*** = Carcinogen
*THM = Primary MCL for the sum of all trihalomethanes
*XYL = Primary MCL for the sum of all xylenes
= Does not meet GWQS or MCL
-- = Not analyzed

Table 5. Shallow Aquifer Groundwater Samples that Failed to Meet Applicable Groundwater Standards in First Quarter 2025

Analyte	Type of Standard		MW-2S	MW-3S	MW-4S	MW-5S	MW-6S
	GWQS	MCL					
Specific Conductivity	--	Secondary	--	--	1B	1A	--
Iron, Total	Secondary	Secondary	--	--	--	1A, 1B	--
Iron, Dissolved	Secondary	Secondary	--	--	--	1A, 1B	--
Manganese, Total	Secondary	Secondary	--	--	--	1A, 1B	1A
Manganese, Dissolved	Secondary	Secondary		--	--	1A, 1B	--
Nitrate	Primary	Primary	--	1B	1B	--	1A, 1B
Total Dissolved Solids	Secondary	Secondary	--	--	1B	--	--

1A = February 2025 (MW-2S, MW-3S, MW-4S not sampled)

1B = March/April 2025

– = Data did not exceed groundwater standard

GWQS = Water Quality Standards for Groundwaters of the State of Washington (WAC 173-200)

MCL = State Maximum Contaminant Levels (WAC 246-290)

Table 6. First Quarter 2025 Interflow Zone Groundwater Quality Monitoring Results, Rocky Top Environmental Limited Purpose Landfill

Analyte	GWQS	MCL	Units	MW-7D 2/13/2025	MW-7D 3/31/2025	MW-8D 2/13/2025	MW-8D 4/1/2025	MW-9D 2/12/2025	MW-9D 3/31/2025	MW-10D 2/14/2025	MW-10D 3/31/2025	Trip Blank 2/13/2025	Trip Blank 2/14/2025	Trip Blank 3/31/2025
Field Data														
pH	6.5-8.5			7.46	7.63	7.66	7.92	6.96	7.28	7.36	7.28	--	--	--
Conductivity		700 **	µmhos/cm	200.1	187.8	371	245	435	460.4	244.5	227.8	--	--	--
Temperature			C	11.5	15.3	13.3	12.29	10.9	12.0	13.3	13.2	--	--	--
Redox			mv	135.3	-182.7	152.4	130	171.9	-171.6	113.9	-108.9	--	--	--
Dissolved Oxygen			mg/L	1.39	0.19	0.37 J	0.00	24.9	0.07	4.12	4.49	--	--	--
Turbidity			NTU	0.0	0.89	0.0	0.12	1.45	0.97	2.08	0.89	--	--	--
Metals														
Calcium, Dissolved			mg/L	13	15	24	28	33	31	17	20	--	--	--
Iron, Total	0.30 **	0.3 **	mg/L	0.29	0.22	**0.55**	0.20	**1.4**	**0.88**	0.17	<0.056	--	--	--
Iron, Dissolved		0.3 **	mg/L	0.25	0.21	<0.056	<0.056	**0.55**	**0.69**	<0.056	<0.056	--	--	--
Magnesium, Total			mg/L	11	10	19	18	22	18	11	11	--	--	--
Magnesium, Dissolved			mg/L	9.7	11	17	19	20	19	9.7	12	--	--	--
Manganese, Total	0.05 **	0.05 **	mg/L	0.037	0.033	0.018	0.013	**0.45**	**0.34**	0.012	<0.011	--	--	--
Manganese, Dissolved		0.05 **	mg/L	0.036	0.033	<0.011	<0.011	**0.43**	**0.32**	<0.011	<0.011	--	--	--
Potassium, Dissolved			mg/L	2.4	2.3	2.7	2.7	2.3	1.8	1.9	2.2	--	--	--
Sodium, Dissolved			mg/L	10	12	18	21	29	26	13	15	--	--	--
Water Quality Parameters														
Alkalinity, Total			mg CaCO3/L	94	94	92	92	100	100	96	94	--	--	--
Ammonia (NH3) as Nitrogen (N)			mg/L	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	--	--	--
Bicarbonate			mg CaCO3/L	94	94	92	92	100	100	96	94	--	--	--
Chloride	250 **	250 **	mg/L	3.1	3.7	15	16	40	41	3.4	3.7	--	--	--
Nitrate	10 *	10 *	mg/L-N	0.066	0.0410	1.6	1.78	<0.050	0.0770	1.4	1.51	--	--	--
Sulfate	250 **	250 **	mg/L	<5.0	<5.0	50	57	48	49	9.9	11	--	--	--
Total Dissolved Solids	500 **	500 **	mg/L	110	160	230	260	330	290	280	180	--	--	--
Total Organic Carbon			mg/L	<1.0	<1.0	<1.0	<1.0	3.1	3.1	<1.0	<1.0	--	--	--
Volatile Organic Compounds														
Chloromethane			µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	0.02 ***	2 *	µg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Bromomethane			µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane			µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CFC-11, Trichlorofluoromethane			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethene		7 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Acetone			µg/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl Iodide			µg/L	<1.7	<1.0	<1.7	<1.3	<1.7	<1.3	<1.7	<1.3	<1.7	<1.7	<1.3
Carbon Disulfide			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Methylene Chloride	5 ***	5 *	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acrylonitrile	0.07 ***		µg/L	<0.50	<0.69	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trans-1,2-Dichloroethene		100 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	1 ***		µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Vinyl Acetate			µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene		70 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2-Butanone			µg/L	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Bromochloromethane			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chloroform	7 ***	80 * THM	µg/L	<1.0	<0.20	<1.0	<0.20	<1.0	<0.20	<1.0	<0.20	<1.0	<1.0	<0.20
1,1,1-Trichloroethane	200 *	200 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon Tetrachloride	0.3 ***	5 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	1 ***	5 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	0.5 ***	5 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

Table 6. First Quarter 2025 Interflow Zone Groundwater Quality Monitoring Results, Rocky Top Environmental Limited Purpose Landfill

Analyte	GWQS	MCL	Units	MW-7D 2/13/2025	MW-7D 3/31/2025	MW-8D 2/13/2025	MW-8D 4/1/2025	MW-9D 2/12/2025	MW-9D 3/31/2025	MW-10D 2/14/2025	MW-10D 3/31/2025	Trip Blank 2/13/2025	Trip Blank 2/14/2025	Trip Blank 3/31/2025
Volatile Organic Compounds (cont.)														
Trichloroethene	3 ***	5 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	0.6 ***	5 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dibromomethane			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichlorobromomethane	0.3 ***	80 * THM	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
cis-1,3-Dichloropropene			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
4-methyl-2-pentanone			µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Toluene		1000 *	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trans-1,3-Dichloropropene			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,2-Trichloroethane		5 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	0.8 ***	5 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2-Hexanone			µg/L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dibromochloromethane		80 * THM	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromoethane (EDB)	0.001 ***	0.05 *	µg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Chlorobenzene		100 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1,2-Tetrachloroethane			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Ethylbenzene		700 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
m, p-Xylene			µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
o-Xylene			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Styrene		100 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	5 ***	80 * THM	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,3-Trichloropropane			µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.27
trans-1,4-Dichloro-2-butene			µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	4 ***	75 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene		600 *	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromo-3-chloropropane		0.2 *	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	MTCA Method A:	160	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Notes:

GWQS = Water Quality Standards for Ground Waters of the State of Washington (WAC 173-200)
MCL = Maximum Contaminant Level, State Drinking Water Regulations (WAC 246-290)
MTCA = Model Toxics Control Act (WAC 173-340)
[a] = Gasoline with no benzene present
* = Primary
** = Secondary
*** = Carcinogen
*THM = Primary MCL for the sum of all trihalomethanes
*XYL = Primary MCL for the sum of all xylenes
= Does not meet GWQS, MCL, or MTCA
-- = Not analyzed
J = Estimated value

Table 7. Interflow Zone Groundwater Samples that Failed to Meet Applicable Groundwater Standards in First Quarter 2025

Analyte	Type of Standard		MW-7D	MW-8D	MW-9D	MW-10D
	GWQS	MCL				
Iron, Total	Secondary	Secondary	--	1A	1A, 1B	--
Iron, Dissolved	Secondary	Secondary	--	--	1A, 1B	--
Manganese, Total	Secondary	Secondary	--	--	1A, 1B	--
Manganese, Dissolved	Secondary	Secondary	--	--	1A, 1B	--

1A = February 2025

1B = March/April 2025

-- = Data did not exceed groundwater standard

GWQS = Water Quality Standards for Groundwaters of the State of Washington (WAC 173-200)

MCL = State Maximum Contaminant Levels (WAC 246-290)

Table 8. First Quarter 2025 Leachate Quality Monitoring Results, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	Leachate 3/25/2025
Field Data		
pH		7.63
Conductivity	µmhos/cm	187.8
Temperature	C	15.3
Redox	mv	-182.7
Dissolved Oxygen	mg/L	0.19
Turbidity	NTU	0.89
Metals		
Calcium, Total	mg/L	26
Iron, Total	mg/L	0.27
Magnesium, Total	mg/L	9.4
Manganese, Total	mg/L	0.019
Potassium, Total	mg/L	1.8
Sodium, Total	mg/L	12
Water Quality Parameters		
Alkalinity, Total	mg CaCO3/L	64
Ammonia (NH3) as Nitrogen (N)	mg/L	<0.053
Bicarbonate	mg CaCO3/L	36
Chloride	mg/L	3.2
Nitrate	mg/L-N	4.45
Sulfate	mg/L	44
Total Dissolved Solids	mg/L	140
Total Organic Carbon	mg/L	8.6
Total Petroleum Hydrocarbons		
Gasoline Range Organics [a]	µg/L	<100
TPHDx		
Diesel Range Organics	mg/L	0.18
Lube Oil Range Organics	mg/L	0.28
Total TPHDx	mg/L	0.46
Volatile Organic Compounds		
Chloromethane	µg/L	<1.0
Vinyl Chloride	µg/L	<0.020
Bromomethane	µg/L	<1.0
Chloroethane	µg/L	<1.0
CFC-11, Trichlorofluoromethane	µg/L	<0.20
1,1-Dichloroethene	µg/L	<0.20
Acetone	µg/L	<5.0
Methyl Iodide	µg/L	<1.8
Carbon Disulfide	µg/L	<0.20
Methylene Chloride	µg/L	<1.0
Acrylonitrile	µg/L	<0.50
Trans-1,2-Dichloroethene	µg/L	<0.20
1,1-Dichloroethane	µg/L	<0.20
Vinyl Acetate	µg/L	<1.0
cis-1,2-Dichloroethene	µg/L	<0.20
2-Butanone	µg/L	<5.0
Bromochloromethane	µg/L	<0.20
Chloroform	µg/L	<0.20
1,1,1-Trichloroethane	µg/L	<0.20
Carbon Tetrachloride	µg/L	<0.20
Benzene	µg/L	<0.20
1,2-Dichloroethane	µg/L	<0.20
Trichloroethene	µg/L	<0.20
1,2-Dichloropropane	µg/L	<0.20
Dibromomethane	µg/L	<0.20
Dichlorobromomethane	µg/L	<0.20
cis-1,3-Dichloropropene	µg/L	<0.20
4-methyl-2-pentanone	µg/L	<2.0
Toluene	µg/L	<1.0
Trans-1,3-Dichloropropene	µg/L	<0.20
1,1,2-Trichloroethane	µg/L	<0.20
Tetrachloroethene	µg/L	<0.20
2-Hexanone	µg/L	<2.0
Dibromochloromethane	µg/L	<0.20
1,2-Dibromoethane (EDB)	µg/L	<0.020
Chlorobenzene	µg/L	<0.20
1,1,1,2-Tetrachloroethane	µg/L	<0.20
Ethylbenzene	µg/L	<0.20
m, p-Xylene	µg/L	<0.40
o-Xylene	µg/L	<0.20

Table 8. First Quarter 2025 Leachate Quality Monitoring Results, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	Leachate 3/25/2025
Volatile Organic Compounds (cont.)		
Styrene	µg/L	<0.20
Bromoform	µg/L	<1.0
1,1,2,2-Tetrachloroethane	µg/L	<0.20
1,2,3-Trichloropropane	µg/L	<0.20
trans-1,4-Dichloro-2-butene	µg/L	<0.50
1,4-Dichlorobenzene	µg/L	<0.20
1,2-Dichlorobenzene	µg/L	<0.20
1,2-Dibromo-3-chloropropane	µg/L	<1.0
Naphthalene	µg/L	<1.0

Notes:

[a] = Gasoline with no benzene present

Table 9. First Quarter 2025 Upper Prediction Limit (UPLs) and Shewhart Control Limit (SCLs) Comparison

Well	Analyte	Results (mg/L)	UPL (mg/L)	UPL Exceedance?	SCL (mg/L)	SCL Exceedance?
MW-2S	Ammonia	<0.053	0.14	no	--	--
	Chloride	2.7	18	no	--	--
	Dissolved Iron	<0.056	0.281	no	--	--
	Total Iron	<0.056	0.118	no	--	--
	Dissolved Manganese	<0.011	0.1	no	--	--
	Total Manganese	<0.011	0.01	no	--	--
	Nitrate	0.702	2.092	no	--	--
	pH	7.59	7.86	no	5.827 - 8.245	
	Sulfate	<5.0	10.86	no	19.01	
	Total Dissolved Solids	160	0.14	no	--	--
MW-3S	Ammonia	<0.053	0.14	no		
	Chloride	**68**	47.39	yes	85.84	no
	Dissolved Iron	<0.056	0.37	no	--	--
	Total Iron	<0.056	0.25	no	--	--
	Dissolved Manganese	<0.011	0.03	no	--	--
	Total Manganese	<0.011	0.01	no	--	--
	Nitrate	**11.3**	9.837	yes	18.23	no
	pH	7.09	7.765	no	--	--
	Sulfate	**75**	46.12	yes	81.34	no
	Total Dissolved Solids	**420**	293.6	yes	533.1	no
MW-4S	Ammonia	<0.053	0.085	no	--	--
	Chloride	49	61.57	no	74.83	--
	Dissolved Iron	<0.056	0.056	no	--	--
	Total Iron	**0.057**	0.055	yes	--	--
	Dissolved Manganese	<0.011	0.011	no	--	--
	Total Manganese	<0.011	0.01	no	--	--
	Nitrate	62.8	73.89	no	105.3	--
	pH	7.13	7.352	no	6.685 - 7.478	--
	Sulfate	100	168.4	no	240.7	--
	Total Dissolved Solids	710	811.3	no	1024	--

-- = SCL not established
BOLD = Value exceeds UPL
BOLD = Value exceeds UPL and SCL

Appendix A

First Quarter 2025
Field Data Sheets

DTG Debris to Green Recycling

Water Level Measurement Field Report

DATE 2/12 - 2/14		JOB NO. 553-8472	
PROJECT: Yakima LPL		COMPANY NAME: PMX	
LOCATION: Rocky Top			
WEATHER Snow	TEMP 20	° at	AM
		° at	PM
PERSONNEL ~~C. Bourgeois~~ Brady & Nygmyer			

THE FOLLOWING WAS NOTED:

	WELL NUMBER	Time	Depth to Water (ft below top of casing)	Measuring Point	Screen Interval (ft bgs)
2/13	MW-5S	1353	217.03	TOC	222-243
2/14	MW-6S	929	97.30	TOC	110-130
2/12	MW-7D	1313	450.62	TOC	475-495
2/13	MW-8D	850	302.45	TOC	375-405
2/12	MW-9D	1040	434.32	TOC	420-440
2/13	MW-10D	1620	83.52	TOC	150-170

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-5S**

Project Number:		**Date:**	2/13.
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	

Casing Diameter: 2" _ 4" _ 6" _____ Other _____

@1353

Initial Depth to Water (feet below TOC):	217.03'	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	222	**Date Purged:**	
Bottom of Screen (feet bgs)	243	**Purge Time (from/to):**	
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1540

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial	217.03							
1525	–	7.56	384.3	13.8	138.1	9.26	0.0	40/20 ~120–150 PSI
1530	–	7.12	742	13.3	128.2	0.50	–	
1535	–	7.22	764	13.0	115.0	0.28	–	
1540	–	7.17	765	12.9	110.5	0.22	–	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:		**Flow Rate:**	250 mL/min
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks: Hard to find adapter.
YSI keeps turning off.

Signature:

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-6S**

Project Number:		**Date:**	2/14
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	Nguyen

Casing Diameter: 2" _ 4" _ 6" _____ Other _____

Initial Depth to Water (feet below TOC):	97.30 @ 929	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	110	**Date Purged:**	
Bottom of Screen (feet bgs)	130	**Purge Time (from/to):**	925 – 1030
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	950

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING	
Initial	97.30								
930	–	7.71	543.3	10.6	121.6	5.08	–	11/9	90PSI
935	–	7.36	547.3	10.4	120.0	3.76	2.15	11/9	↓ 65 PSI
940	–	7.27	559.7	10.9	120.5	3.34	1.99		
945	–	7.26	570.4	10.4	121.0	3.05	1.76		
950	–	7.25	573.4	10.6	120.9	3.35	1.71		
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:		**Flow Rate:**	350 ml/min
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks: DUP, MW-13S- 0214 collected here, at: 1100

YSI keeps shutting off.

Signature: _____

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-7D**

Project Number:		**Date:**	~~2/12/25~~ 2/13/25
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	

Casing Diameter: 2" _ 4" _ 6" _____ Other _____

Initial Depth to Water (feet below TOC):	450.62 (12/12) 1313	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	475	**Date Purged:**	
Bottom of Screen (feet bgs)	495	**Purge Time (from/to):**	
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1320

450.22
2/13
@ 1140

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial								
1140	450.22							
1250	—	7.32	210.2	12.2	142.3	6.80	00	40/20
1255	—	7.28	203.7	12.1	1410	4.16	—	
1300	—	7.31	200.1	12.5	139.0	3.00		
1305		7.34	199.9	12.3	1380	2.36		
1310		7.44	199.9	11.3	135.7	1.66		
1315		7.46	200.9	10.9	1359	1.46		
1320		7.46	200.1	11.5	1353	1.39		
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:		**Flow Rate:**	175 mL/min
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks: Tubing frozen. YSI silicone tubing froze. YSI keeps shutting off.

Signature:

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #:**MW-8D**

Project Number:		**Date:**	2/13
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	Nguyen

Casing Diameter: 2" _ 4" _ 6" _____ Other _____

Initial Depth to Water (feet below TOC):	302.45 @ 850	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	375	**Date Purged:**	
Bottom of Screen (feet bgs)	405	**Purge Time (from/to):**	
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1035

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen ~~mg/L~~ %	TURBIDITY (visual)	PUMP SETTING
Initial	302.45							
~~1010~~ 1015		7.29	0.367	12.?	167.0	25.5%	00	30/30 240451
1020		7.40	0.372	12.8	165.2	13.5%		
1025	303.93	7.45	0.372	12.9	160.0	5.7%		
1030		7.52	0.372	13.2	155.1	5.1%		
1035	305.25	7.66	0.371	13.3	152.4	3.5%		
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:		**Flow Rate:**	325 milliliters
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks: very difficult to read YSI due to condensation.
couldn't touch buttons to change units because YSI would restart.
tubing frozen, had to thaw.

Signature: _____

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: ~~MW-10D~~ 9D

Project Number:		**Date:**	2/12/25
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	MPB

Casing Diameter: 2" _ 4" _ 6" _____ Other _____

Initial Depth to Water (feet below TOC):	434.32	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	~~417~~ 420	**Date Purged:**	
Bottom of Screen (feet bgs)	~~467~~ 440	**Purge Time (from/to):**	1047 --
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1125

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L %	TURBIDITY (visual)	PUMP SETTING
Initial	434.32							60/40 @ 210 PSI
1104	17	6.55	0.200	10	197.0	41.4		
1108	21	6.77	0.540	9.4	187.7	35.1	8.34	
1112	25	434.81	0.456	11.2	182.7	27.8	2.02	
1116	29	6.94	0.430	11.5	177.8	23.7	1.44	
1120	33	434.93	6.98	0.434	11.3	17[illegible]	24.7	1.68
1124	37	6.96	0.435	10.9	171.9	24.9	1.45	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:		**Flow Rate:**	
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks: 200 ml 190 sec, YSI Frozen, Unfroze @ 17 mins

Signature: _____

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: ~~MW-8D~~ 10D

Project Number:		**Date:**	2/14
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	Nguyen

Casing Diameter: 2" _ 4" _ 6" _____ Other _____

Initial Depth to Water (feet below TOC):	83.52 (2/13) @420	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	~~420~~ 147	**Date Purged:**	
Bottom of Screen (feet bgs)	~~440~~ 167	**Purge Time (from/to):**	820 - 906
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	840

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial								20/10 (90PSI)
815	~~84.77~~			~~[illegible]~~				
825	–	7.40	242.0	11.8	113.4	3.31	0.0	
830	–	7.34	241.2	13.1	114.6	3.81	3.20	
835	–	7.33	240.3	13.2	114.9	4.06	2.13	
840	–	7.36	244.5	13.3	113.9	~~4~~4.12	2.08	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:		**Flow Rate:**	400 mL/min
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks: YSI won't stay on. Difficult to record parameters.

Signature: [signature]

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-2S** 3 well

Project Number:		**Date:**	4/1/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	K. Burke / S. Nguyen

Casing Diameter: 2" _ 4" _ 6" _____ Other

Initial Depth to Water (feet below TOC):	287.71	**Purge Rate Measurement Method:**	Graduated cylinder
Top of Screen (feet bgs):	310	**Date Purged:**	4/1/25
Bottom of Screen (feet bgs)	330	**Purge Time (from/to):**	11:19 -
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1153

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual) ppt	PUMP SETTING
Initial	287.71							30/30
11:22	285.42	7.39	0.120	12.50	202	5.28	0.06	170 psi
11:27		7.18	0.120	12.93	197	5.24	0.06	
11:32		7.41	0.120	13.34	188	7.06	0.06	
11:37	288.71	7.40	0.120	13.36	189	8.22	0.06	
11:42		7.56	0.120	13.64	197	7.16	0.06	
11:47	288.78	7.56	0.120	13.72	191	7.18	0.06	
11:52		7.59	0.120	13.73	192	7.28	0.06	
11:57								
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:	MP10H	**Flow Rate:**	350 ml / min
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks:

Signature: _____

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-3S**

Project Number:		**Date:**	3-31-25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	Chris Bourgeois

Casing Diameter: 2" _ 4" _ 6" _____ Other _____

Initial Depth to Water (feet below TOC):	178.74	**Purge Rate Measurement Method:**	Groundwater equipment 320 ml/min
Top of Screen (feet bgs):	188	**Date Purged:**	3-31-25
Bottom of Screen (feet bgs)	198	**Purge Time (from/to):**	13:54-1422
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1424

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial							ppt	
1402	179.20	7.31	0.430	13.55	159	5.61	0.21	40120 100psi
1407	179.21	7.15	0.431	13.61	161	4.35	0.21	
1412	179.21	7.13	0.432	13.64	165	4.26	0.21	
1417	179.22	7.10	0.431	13.66	170	4.43	0.21	
1422	179.20	7.09	0.431	13.69	172	4.77	0.21	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment: MP10H **Flow Rate:**

Laboratory: **Date Sent to Lab:**

Shipment Method **Field QC Sample Number:**

Remarks:

Signature:

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-4S**

Project Number:		**Date:**	4-1-25
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	K. Burke S. Nguyen

Casing Diameter: 2" _ 4" _ 6" _____ Other

Initial Depth to Water (feet below TOC):	28.40	**Purge Rate Measurement Method:**	Graduated cylinder 350 ml/min
Top of Screen (feet bgs):	49.5	**Date Purged:**	4-1-25
Bottom of Screen (feet bgs)	69.5	**Purge Time (from/to):**	9:30-9:55
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	9:55

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial							ppt	
0953	28.73	7.18	0.774	12.31	203	5.81	0.38	30/30 70 psi
0938	28.67	7.17	0.770	12.32	197	4.61	0.37	↓
0943	28.67	7.14	0.760	12.38	191	5.16	0.37	
0948	28.67	7.14	0.757	12.39	191	5.12	0.37	
0953	28.72	7.13	0.752	12.33	187	5.77	0.36	
Stabilization Criteria		±0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:		**Flow Rate:**	
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks: Needs replacement lock on well

Signature: _____

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: MW-5S

Project Number:		Date:	3-31-25
Project Name:	Yakima LPL	Company Name:	PMX
Project Address:	Rocky Top	Sampled By:	~~Chris Bourgeois~~ Katie Burke

Casing Diameter: 2" _ 4" _ 6" _____ Other _____

Initial Depth to Water (feet below TOC):	216.18	Purge Rate Measurement Method:	190 ml/min
Top of Screen (feet bgs):	222	Date Purged:	3-31-25
Bottom of Screen (feet bgs)	243	Purge Time (from/to):	11:36 -
Reference Point (surveyor's notch, etc.):		Time Sampled:	

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual) PPT	PUMP SETTING
Initial								40/20 MP1+10
11:50	216.19	7.40	0.432	13.70	-25	11.43	0.21	128
11:55	216.19	7.52	0.486	13.73	-95	10.91	0.23	"
12:00	216.20	7.72	0.514	13.72	-147	10.23	0.25	
12:05	216.20	7.79	0.523	13.72	-168	9.19	0.25	
12:10	216.20	7.85	0.527	13.72	-179	8.55	0.25	
12:15	216.2	7.88	0.527	13.74	-181	8.01	0.25	
12:20	216.	7.87	0.525	13.76	-187	7.75	0.25	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment: MP10 H Flow Rate:

Laboratory: Date Sent to Lab:

Shipment Method Field QC Sample Number:

Remarks:

Signature:

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-6S**

Project Number:		**Date:**	4-1-25
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	Burke & Nguyen

Casing Diameter: 2" _ 4" _ 6" _____ Other

Initial Depth to Water (feet below TOC):	95.02	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	110	**Date Purged:**	
Bottom of Screen (feet bgs)	130	**Purge Time (from/to):**	1430 –
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1455

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial	95.02						1.2	
1435	95.61	7.71	0.393	12.14	175	4.98	[illegible]	10/20 ~150PSI
1440	95.80	7.62	0.401	12.28	172	4.65	0.0	
1445	—	7.52	0.402	12.14	173	[illegible] 4.45	0.2	
1450	95.91	7.53	0.401	11.90	172	4.55	0.8	30/30
1455	96.31	7.51	0.389	12.36	165	4.26	0.5	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:		**Flow Rate:**	380 ml/min
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	MW-13S @900

Remarks: DUP, MW-13S-_____ collected here, at:

Signature: _____

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-7D**

Project Number:		**Date:**	3/31/25
Project Name:	Yakima LPL	**Company Name:**	Parametrix
Project Address:	Rocky Top	**Sampled By:**	Nguyen

Casing Diameter: 2" _ 4" _ 6" _____ Other

Initial Depth to Water (feet below TOC):	450.30'	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	475	**Date Purged:**	
Bottom of Screen (feet bgs)	495	**Purge Time (from/to):**	1125 - 1221
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1205

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING	
Initial	450.30'								
1130	–	7.64	187.2	13.6	-91.1	8.68	—	40/35	~240 PSI
1135	–	7.35	188.0	14.5	-102.2	3.73	1.17		
1140	–	7.55	187.7	14.9	-126.3	1.29	1.16		
1145	–	7.66	187.8	15.1	-158.3	0.48	1.32		
1150	–	7.66	187.8	15.1	-162.3	0.39	1.08		
1155	–	7.65	188.0	15.2	-175.5	0.29	0.93		
1200	–	7.63	187.8	15.2	-183.1	0.28	1.23		
1205	–	7.63	187.8	15.3	-182.7	0.19	0.89		
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:		**Flow Rate:**	450 mL/min
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks:

Signature: _____

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-8D**

Project Number:		**Date:**	4/11/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	K. Burkel S. Nguyen

Casing Diameter: 2" _ 4" _ 6" _____ Other

Initial Depth to Water (feet below TOC):	301.82	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	375	**Date Purged:**	4/11/25
Bottom of Screen (feet bgs)	405	**Purge Time (from/to):**	12:39 - 1326
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1326

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial	301.82						ppt	
1245		7.76	0.246	12.71	196	4.41	0.12	30/30 250 psi
pump stopped 1230	—	—	—	—	—	—	—	—
1305	302.79	7.80	0.244	11.86	200	2.52	0.11	30/30 210 PSI
1310	302.94	7.88	0.244	11.98	164	1.09	0.11	260 psi
1315	303.54	7.82	0.245	12.24	148	0.25	0.12	
1320	303.79	7.92	0.245	12.34	132	0.00	0.12	
1325	303.85	7.92	0.245	12.29	130	0.00	0.12	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:		**Flow Rate:**	340 ml/min
Laboratory:	Anatek	**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks:

Signature: _____

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-9D**

Project Number:		**Date:**	3/31/25
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	Nguyen

Casing Diameter: 2" _ 4" _ 6" _____ Other

Initial Depth to Water (feet below TOC):	424.90'	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	420	**Date Purged:**	
Bottom of Screen (feet bgs)	440	**Purge Time (from/to):**	1357 – 1500
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1425

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (~~visual~~) NTU	PUMP SETTING	
Initial	424.90'								
1400	425.28'	7.38	453.1	12.5	-139.1	0.47	0.93	60/40	~230PSI
1405	—	7.32	456.7	12.5	-145.8	0.17	2.09		
1410	425.41	7.34	458.3	12.5	-155.0	0.14	1.22		
1415	←	7.32	458.9	12.4	-163.3	0.11	1.17		
1420	425.50	7.29	459.5	12.3	-168.9	0.09	0.97		
1425	425.61	7.28	460.4	12.0	-171.6	0.07			
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:		**Flow Rate:**	170 ml/min
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks: midway through sampling switched to 60/60

Signature: _____

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #:**MW-10D**

Project Number:		**Date:**	3/31/25
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	

Casing Diameter: 2" _ 4" _ 6" _____ Other

Initial Depth to Water (feet below TOC):	82.15'	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	147	**Date Purged:**	
Bottom of Screen (feet bgs)	167	**Purge Time (from/to):**	1546 - 1641
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1625

TIME (2400 hr)	DEPTH TO WATER (ft)	pH (units)	Ec (µmhos/cm 25°C)	TEMP °C	Redox (mv)	Dissolved Oxygen mg/L	TURBIDITY (visual)	PUMP SETTING
Initial								
1550	—	7.63	227.2	12.5	-97.9	8.33	—	
1555	82.59	7.22	227.1	12.1	-103.8	3.62	2.52	
1600	—	7.21	227.5	11.7	-109.1	2.97	1.94	
1605	—	7.26	227.6	14.0	-104.1	3.94	2.14	
1610	83.99	7.25	227.9	13.9	-105.0	4.51	1.47	
1615					-106.2	4.45	1.27	
1620		7.27	227.6	13.4	-107.6	4.48	—	
1625	83.94	7.28	227.8	13.2	-108.9	4.49	0.89	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

d. 83

Purge Equipment:		**Flow Rate:**	
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks:

Signature: _____

Chain of Custody

Page 1 of 1

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Parametrix / DTG
Project Number: 553-8472-006
Project Name: Rocky Top Environmental LPL
Project Manager: Laura Lee
Sampled by: Nguyen & Burke

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
■ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 04-035

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	VOCs (8260D – WAC 173-351 Appendix I) Naphthalene; SIM-VC and 1,2-EDB	NWTPH-Gx	NWTPH-Dx	Tot Priority Pollutant Metals +Fe, Mn, Mg	Total Metals (Fe, Mn, Mg)	Dis. Priority Pollutant Metals +Fe, Mn, Mg, Ca, K, Na	Dissolved Metals (Fe, Mn, Mg, Ca, K, Na)	chloride, sulfate	TDS, Alkalinity, Bicarbonate	Ammonia	TOC	PFAS	Dioxins and Furans	Nitrates (Anatek) – J+	% Moisture
1	MW-2S	4/1	1153	W(N2O)	18	X	X	X	X		X		X	X	X	X	X	X	X
2	MW-3S	3/31	1424		18	X	X	X	X		X		X	X	X	X	X	X	X
3	MW-4S	4/1	955		18	X	X	X	X		X		X	X	X	X	X	X	X
4	MW-5S / MW-5S MS/MSD	3/31	1223		26	X	X	X	X		X		X	X	X	X	X	X	X
5	MW-6S	4/1	1455		18	X	X	X	X		X		X	X	X	X	X	X	X
6	MW-13S	4/1	900		18	X	X	X	X		X		X	X	X	X	X	X	X
7	MW-7D	3/31	1205		9	X				X		X	X	X	X	X			X
8	MW-8D	4/1	1326		9	X				X		X	X	X	X	X			X
9	MW-9D	3/31	1425		9	X				X		X	X	X	X	X			X
10	MW-10D	3/31	1025	↓	9	X				X		X	X	X	X	X			X

	Signature	Company	Date	Time
Relinquished		Parametrix	4/2/25	1349
Received		OSE	4/2/25	1349
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

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

Debris to Green Recycling

Groundwater Sampling Field Data Sheet

LEACHATE POND

Project Number:		**Date:**	3/25/2025
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	Mike Brady, Waverly Shawver, Katie Burke

Water Depth in the Pond? 6.5'

Sample Collected?

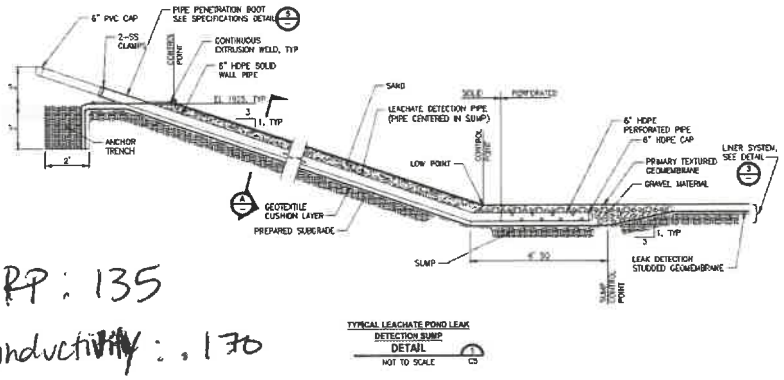
Water present in the sump? Yes, 32.4'. Total sump length: 33.5'

Sampling Equipment: Peri Pump **Flow Rate:** 300 mL/min

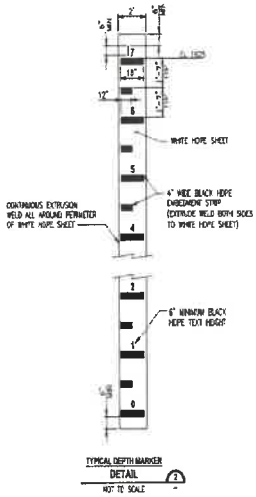
Laboratory: **Date Sent to Lab:**

Shipment Method **Field QC Sample Number:**

Remarks:



TYPICAL LEACHATE POND LEAK DETECTION SUMP DETAIL
NOT TO SCALE



TYPICAL DEPTH MARKER DETAIL
NOT TO SCALE

ORP: 135

Conductivity: .170

Turbidity: 11.8 NTU

pH: 9.36

temp: 12.4

DO: 13.88

Signature:

Appendix B

First Quarter 2025
Laboratory Analytical Report

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

February 27, 2025

Laura Lee
Parametrix, Inc.
719 2nd Avenue, Suite 200
Seattle, WA 98104

Re: Analytical Data for Project 553-8472-005x
Laboratory Reference No. 2502-167

Dear Laura:

Enclosed are the analytical results and associated quality control data for samples submitted on February 13, 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,

David Baumeister
Project Manager

Enclosures

Date of Report: February 27, 2025
Samples Submitted: February 13, 2025
Laboratory Reference: 2502-167
Project: 553-8472-005x

Case Narrative

Samples were collected on February 12, 2025 and received by the laboratory on February 13, 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.

Volatiles EPA 8260D Analysis

The percent recovery for Vinyl Acetate is outside the control limits in the Spike Blank. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

The percent recovery for Vinyl Acetate is outside the control limits in the Matrix Spike and Matrix Spike Duplicate. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

Nitrate (as Nitrogen) EPA 353.2 Analysis

The reported Nitrate results are a calculated value based on the subtraction of Nitrite from the Nitrate plus Nitrite result. The Nitrite analysis, which has a 48-hour holding time, was performed within the holding time. Immediately after this analysis, an aliquot from each sample was preserved with concentrated sulfuric acid and stored at 4 degrees C. The preserved samples were then analyzed within the maximum 28-day holding time for the Nitrate plus Nitrite analysis.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: February 27, 2025
Samples Submitted: February 13, 2025
Laboratory Reference: 2502-167
Project: 553-8472-005x

VOLATILE ORGANICS EPA 8260D/SIM
Page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*101*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blank**					
Laboratory ID:	02-167-02					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blank**					
Laboratory ID:	02-167-02					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

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QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0215W1					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0215W1					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

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QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Chloromethane	**10.2**	**9.05**	10.0	10.0	ND	102	91	36-162	12	19	
Vinyl Chloride	**11.2**	**9.92**	10.0	10.0	ND	112	99	62-121	12	15	
Bromomethane	**13.0**	**11.4**	10.0	10.0	ND	130	114	48-166	13	22	
Chloroethane	**10.1**	**9.04**	10.0	10.0	ND	101	90	62-129	11	14	
Trichlorofluoromethane	**10.6**	**9.55**	10.0	10.0	ND	106	96	77-120	10	16	
1,1-Dichloroethene	**10.6**	**9.50**	10.0	10.0	ND	106	95	76-119	11	15	
Acetone	**9.45**	**8.29**	10.0	10.0	ND	95	83	56-132	13	17	
Iodomethane	**6.76**	**6.34**	10.0	10.0	ND	68	63	54-121	6	21	
Carbon Disulfide	**9.05**	**8.40**	10.0	10.0	ND	91	84	47-123	7	16	
Methylene Chloride	**10.7**	**9.35**	10.0	10.0	ND	107	94	74-114	13	16	
(trans) 1,2-Dichloroethene	**10.5**	**9.43**	10.0	10.0	ND	105	94	79-120	11	16	
1,1-Dichloroethane	**10.6**	**9.56**	10.0	10.0	ND	106	96	77-122	10	15	
Vinyl Acetate	**16.1**	**14.7**	10.0	10.0	ND	161	147	54-123	9	17	V,V
(cis) 1,2-Dichloroethene	**10.8**	**9.63**	10.0	10.0	ND	108	96	81-128	11	16	
2-Butanone	**10.8**	**9.67**	10.0	10.0	ND	108	97	57-142	11	15	
Bromochloromethane	**10.8**	**9.60**	10.0	10.0	ND	108	96	80-129	12	17	
Chloroform	**10.6**	**9.42**	10.0	10.0	ND	106	94	75-126	12	16	
1,1,1-Trichloroethane	**10.2**	**9.12**	10.0	10.0	ND	102	91	74-126	11	17	
Carbon Tetrachloride	**10.4**	**9.45**	10.0	10.0	ND	104	95	70-128	10	18	
Benzene	**10.6**	**9.43**	10.0	10.0	ND	106	94	76-122	12	16	
1,2-Dichloroethane	**11.1**	**9.68**	10.0	10.0	ND	111	97	70-126	14	17	
Trichloroethene	**10.6**	**9.60**	10.0	10.0	ND	106	96	80-130	10	12	
1,2-Dichloropropane	**10.7**	**9.65**	10.0	10.0	ND	107	97	79-121	10	17	
Dibromomethane	**11.0**	**9.78**	10.0	10.0	ND	110	98	81-122	12	16	
Bromodichloromethane	**10.7**	**9.51**	10.0	10.0	ND	107	95	82-127	12	17	
(cis) 1,3-Dichloropropene	**11.3**	**9.84**	10.0	10.0	ND	113	98	81-128	14	17	
Methyl Isobutyl Ketone	**11.6**	**10.7**	10.0	10.0	ND	116	107	62-130	8	14	
Toluene	**10.9**	**9.75**	10.0	10.0	ND	109	98	75-124	11	19	
(trans) 1,3-Dichloropropene	**11.6**	**10.1**	10.0	10.0	ND	116	101	71-124	14	18	
1,1,2-Trichloroethane	**10.8**	**9.84**	10.0	10.0	ND	108	98	76-126	9	16	
Tetrachloroethene	**10.9**	**9.85**	10.0	10.0	ND	109	99	84-126	10	19	
2-Hexanone	**11.0**	**9.94**	10.0	10.0	ND	110	99	41-156	10	23	
Dibromochloromethane	**10.9**	**9.54**	10.0	10.0	ND	109	95	74-131	13	18	

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Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
1,2-Dibromoethane	**11.7**	**10.5**	10.0	10.0	ND	117	105	74-131	11	16	
Chlorobenzene	**11.2**	**9.88**	10.0	10.0	ND	112	99	84-121	13	16	
1,1,1,2-Tetrachloroethane	**11.5**	**10.3**	10.0	10.0	ND	115	103	82-125	11	17	
Ethylbenzene	**11.2**	**10.2**	10.0	10.0	ND	112	102	85-125	9	17	
m,p-Xylene	**22.0**	**19.8**	20.0	20.0	ND	110	99	84-124	11	17	
o-Xylene	**11.3**	**9.99**	10.0	10.0	ND	113	100	84-126	12	17	
Styrene	**11.6**	**10.2**	10.0	10.0	ND	116	102	83-131	13	19	
Bromoform	**11.5**	**10.2**	10.0	10.0	ND	115	102	67-137	12	18	
1,1,2,2-Tetrachloroethane	**12.4**	**10.7**	10.0	10.0	ND	124	107	56-143	15	15	
1,2,3-Trichloropropane	**11.7**	**10.4**	10.0	10.0	ND	117	104	61-125	12	15	
1,4-Dichlorobenzene	**11.5**	**10.3**	10.0	10.0	ND	115	103	80-126	11	15	
1,2-Dichlorobenzene	**11.8**	**10.5**	10.0	10.0	ND	118	105	79-127	12	16	
1,2-Dibromo-3-chloropropane	**11.3**	**10.3**	10.0	10.0	ND	113	103	54-143	9	19	
Naphthalene	**11.3**	**10.2**	10.0	10.0	ND	113	102	48-143	10	17	
Surrogate:											
Dibromofluoromethane						*102*	*100*	*68-133*			
Toluene-d8						*102*	*101*	*79-123*			
4-Bromofluorobenzene						*101*	*100*	*78-117*			

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QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	Spike Level	Percent Recovery	Recovery Limits	Flags
SPIKE BLANK					
Laboratory ID:	SB0215W1				
Chloromethane	**8.95**	10.0	90	45-145	
Vinyl Chloride	**9.75**	10.0	98	67-130	
Bromomethane	**10.8**	10.0	108	27-165	
Chloroethane	**8.82**	10.0	88	61-132	
Trichlorofluoromethane	**9.07**	10.0	91	67-136	
1,1-Dichloroethene	**9.17**	10.0	92	74-125	
Acetone	**8.16**	10.0	82	49-140	
Iodomethane	**5.94**	10.0	59	15-154	
Carbon Disulfide	**8.44**	10.0	84	58-122	
Methylene Chloride	**9.08**	10.0	91	70-123	
(trans) 1,2-Dichloroethene	**9.04**	10.0	90	77-125	
1,1-Dichloroethane	**9.13**	10.0	91	75-125	
Vinyl Acetate	**14.2**	10.0	142	61-138	V
(cis) 1,2-Dichloroethene	**9.24**	10.0	92	78-130	
2-Butanone	**9.53**	10.0	95	58-144	
Bromochloromethane	**9.01**	10.0	90	79-132	
Chloroform	**8.97**	10.0	90	73-128	
1,1,1-Trichloroethane	**8.77**	10.0	88	72-127	
Carbon Tetrachloride	**8.85**	10.0	89	68-131	
Benzene	**9.05**	10.0	91	76-124	
1,2-Dichloroethane	**9.31**	10.0	93	68-133	
Trichloroethene	**9.33**	10.0	93	80-126	
1,2-Dichloropropane	**9.40**	10.0	94	78-124	
Dibromomethane	**9.35**	10.0	94	76-131	
Bromodichloromethane	**9.24**	10.0	92	81-128	
(cis) 1,3-Dichloropropene	**9.59**	10.0	96	80-131	
Methyl Isobutyl Ketone	**10.3**	10.0	103	67-133	
Toluene	**9.52**	10.0	95	75-120	
(trans) 1,3-Dichloropropene	**9.95**	10.0	100	77-128	
1,1,2-Trichloroethane	**9.33**	10.0	93	80-124	
Tetrachloroethene	**9.43**	10.0	94	80-125	
2-Hexanone	**9.61**	10.0	96	65-134	
Dibromochloromethane	**9.24**	10.0	92	81-131	

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VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL
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Analyte	Result	Spike Level	Percent Recovery	Recovery Limits	Flags
SPIKE BLANK					
Laboratory ID:	SB0215W1				
1,2-Dibromoethane	**10.2**	10.0	102	82-129	
Chlorobenzene	**9.61**	10.0	96	80-119	
1,1,1,2-Tetrachloroethane	**9.87**	10.0	99	80-124	
Ethylbenzene	**9.79**	10.0	98	80-121	
m,p-Xylene	**19.2**	20.0	96	80-122	
o-Xylene	**9.75**	10.0	98	80-121	
Styrene	**9.96**	10.0	100	82-128	
Bromoform	**10.2**	10.0	102	77-131	
1,1,2,2-Tetrachloroethane	**10.5**	10.0	105	66-138	
1,2,3-Trichloropropane	**10.0**	10.0	100	67-127	
1,4-Dichlorobenzene	**9.79**	10.0	98	78-127	
1,2-Dichlorobenzene	**10.0**	10.0	100	79-129	
1,2-Dibromo-3-chloropropane	**9.81**	10.0	98	62-140	
Naphthalene	**9.09**	10.0	91	53-144	
Surrogate:					
Dibromofluoromethane			100	68-133	
Toluene-d8			101	79-123	
4-Bromofluorobenzene			102	78-117	

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TOTAL METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Iron	**1.4**	0.050	EPA 6010D	2-20-25	2-20-25	
Magnesium	**22**	1.0	EPA 6010D	2-20-25	2-20-25	
Manganese	**0.45**	0.010	EPA 6010D	2-20-25	2-20-25	

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TOTAL METALS
EPA 6010D
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0220WH1					
Iron	**ND**	0.050	EPA 6010D	2-20-25	2-20-25	
Magnesium	**ND**	1.0	EPA 6010D	2-20-25	2-20-25	
Manganese	**ND**	0.010	EPA 6010D	2-20-25	2-20-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Iron	**0.172**	**0.187**	NA	NA		NA		NA	8	20	
Magnesium	**11.2**	**11.4**	NA	NA		NA		NA	2	20	
Manganese	**0.0117**	**0.0109**	NA	NA		NA		NA	6	20	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Iron	**20.1**	**21.3**	20.0	20.0	0.172	**100**	**106**	75-125	6	20	
Magnesium	**30.6**	**31.8**	20.0	20.0	11.2	**97**	**103**	75-125	4	20	
Manganese	**0.520**	**0.549**	0.500	0.500	0.0117	**102**	**108**	75-125	5	20	

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DISSOLVED METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Calcium	**33**	1.1	EPA 6010D		2-18-25	
Iron	**0.55**	0.056	EPA 6010D		2-18-25	
Magnesium	**20**	1.1	EPA 6010D		2-18-25	
Manganese	**0.43**	0.011	EPA 6010D		2-18-25	
Potassium	**2.3**	1.1	EPA 6010D		2-18-25	
Sodium	**29**	1.1	EPA 6010D		2-18-25	

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DISSOLVED METALS
EPA 6010D
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0218D1					
Calcium	**ND**	1.1	EPA 6010D		2-18-25	
Iron	**ND**	0.056	EPA 6010D		2-18-25	
Magnesium	**ND**	1.1	EPA 6010D		2-18-25	
Manganese	**ND**	0.011	EPA 6010D		2-18-25	
Potassium	**ND**	1.1	EPA 6010D		2-18-25	
Sodium	**ND**	1.1	EPA 6010D		2-18-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	02-183-05									
	ORIG	DUP								
Calcium	**17.2**	**17.2**	NA	NA		NA	NA	0	20	
Iron	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Magnesium	**9.73**	**9.72**	NA	NA		NA	NA	0	20	
Manganese	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Potassium	**1.92**	**1.94**	NA	NA		NA	NA	1	20	
Sodium	**13.1**	**13.1**	NA	NA		NA	NA	1	20	

MATRIX SPIKES										
Laboratory ID:	02-183-05									
	MS	MSD	MS	MSD		MS	MSD			
Calcium	**39.4**	**38.8**	22.2	22.2	17.2	**100**	**97**	75-125	2	20
Iron	**23.7**	**23.0**	22.2	22.2	ND	**107**	**104**	75-125	3	20
Magnesium	**32.7**	**32.2**	22.2	22.2	9.73	**104**	**101**	75-125	2	20
Manganese	**0.558**	**0.544**	0.556	0.556	ND	**100**	**98**	75-125	3	20
Potassium	**27.3**	**26.8**	22.2	22.2	1.92	**114**	**112**	75-125	2	20
Sodium	**35.4**	**34.7**	22.2	22.2	13.1	**100**	**97**	75-125	2	20

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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Nitrate	**ND**	0.050	EPA 353.2	2-24-25	2-24-25	

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NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0224W1					
Nitrate	**ND**	0.050	EPA 353.2	2-24-25	2-24-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	02-167-01								
	ORIG	DUP							
Nitrate	**ND**	**ND**	NA	NA	NA	NA	NA	22	
MATRIX SPIKE									
Laboratory ID:	02-167-01								
	MS		MS		MS				
Nitrate	**1.94**		2.00	ND	97	86-119	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB02-24W1								
	SB		SB		SB				
Nitrate	**1.80**		2.00	NA	90	85-117	NA	NA	

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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Chloride	**40**	2.0	SM 4500-Cl E	2-19-25	2-19-25	

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CHLORIDE
SM 4500-Cl E
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0219W1					
Chloride	**ND**	2.0	SM 4500-Cl E	2-19-25	2-19-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Chloride	**3.39**	**3.26**	NA		NA	NA		NA	4	21	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Chloride	**52.0**	**52.9**	50.0	50.0	3.39	97	99	81-115	2	20	
SPIKE BLANK											
Laboratory ID:	SB0219W1										
	SB		SB			SB					
Chloride	**49.1**		50.0		NA	98		77-115	NA	NA	

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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Sulfate	**48**	20	ASTM D516-11	2-21-25	2-21-25	

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SULFATE
ASTM D516-11
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0221W1					
Sulfate	**ND**	5.0	ASTM D516-11	2-21-25	2-21-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Sulfate	**9.87**	**9.93**	NA		NA	NA		NA	1	11	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Sulfate	**22.0**	**22.2**	10.0	10.0	9.87	121	123	69-134	1	20	
SPIKE BLANK											
Laboratory ID:	SB0221W1										
	SB		SB			SB					
Sulfate	**9.81**		10.0		NA	98		81-106	NA	NA	

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TOTAL DISSOLVED SOLIDS
SM 2540C

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Total Dissolved Solids	**330**	13	SM 2540C	2-14-25	2-14-25	

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TOTAL DISSOLVED SOLIDS
SM 2540C
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0214W1					
Total Dissolved Solids	**ND**	13	SM 2540C	2-14-25	2-14-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	02-167-01								
	ORIG	DUP							
Total Dissolved Solids	**331**	**333**	NA	NA	NA	NA	1	29	
SPIKE BLANK									
Laboratory ID:	SB0214W1								
	SB		SB		SB				
Total Dissolved Solids	**500**		500	NA	100	76-120	NA	NA	

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TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Total Alkalinity	**100**	2.0	SM 2320B	2-24-25	2-24-25	

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TOTAL ALKALINITY
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0224W1					
Total Alkalinity	**ND**	2.0	SM 2320B	2-24-25	2-24-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Total Alkalinity	**96.0**	**96.0**	NA		NA	NA		NA	0	10	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Total Alkalinity	**180**	**180**	100	100	96.0	84	84	80-120	0	20	
SPIKE BLANK											
Laboratory ID:	SB0224W1										
	SB		SB			SB					
Total Alkalinity	**90.0**		100		NA	90		82-101	NA	NA	

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TOTAL BICARBONATE
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Bicarbonate	**100**	2.0	SM 2320B	2-24-25	2-24-25	

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TOTAL BICARBONATE
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0224W1					
Bicarbonate	**ND**	2.0	SM 2320B	2-24-25	2-24-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Bicarbonate	**96.0**	**96.0**	NA		NA	NA		NA	0	10	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Bicarbonate	**180**	**180**	100	100	96.0	84	84	80-120	0	20	
SPIKE BLANK											
Laboratory ID:	SB0224W1										
	SB		SB			SB					
Bicarbonate	**90.0**		100		NA	90		82-101	NA	NA	

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AMMONIA (as Nitrogen)
SM 4500-NH_3 D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Ammonia	**ND**	0.053	SM 4500-NH3 D	2-27-25	2-27-25	

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AMMONIA (as Nitrogen)
SM 4500-NH_3 D
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0227W1					
Ammonia	**ND**	0.053	SM 4500-NH3 D	2-27-25	2-27-25	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	02-183-05							
	ORIG DUP							
Ammonia	**ND** **ND**	NA	NA	NA	NA	NA	15	
MATRIX SPIKE								
Laboratory ID:	02-183-05							
	MS	MS		MS				
Ammonia	**5.37**	5.00	ND	107	75-111	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0227W1							
	SB	SB		SB				
Ammonia	**5.14**	5.00	NA	103	81-110	NA	NA	

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TOTAL ORGANIC CARBON
SM 5310B

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	02-167-01					
Total Organic Carbon	**3.1**	1.0	SM 5310B	2-25-25	2-25-25	

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TOTAL ORGANIC CARBON
SM 5310B
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0225W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	2-25-25	2-25-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	02-183-05								
	ORIG	DUP							
Total Organic Carbon	**ND**	**ND**	NA	NA	NA	NA	NA	11	
MATRIX SPIKE									
Laboratory ID:	02-183-05								
	MS		MS		MS				
Total Organic Carbon	**11.1**		10.0	ND	111	85-120	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0225W1								
	SB		SB		SB				
Total Organic Carbon	**10.6**		10.0	NA	106	79-120	NA	NA	

OnSite Environmental Inc.

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

Chain of Custody

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OnSite Environmental Inc.
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Phone: (425) 883-3881 • www.onsite-env.com

Company: Parametrix
Project Number: 553-8472-005 X
Project Name: Rocky Top Environmental
Project Manager: ~~Mike Brady~~ Lee
Sampled by: MBrady

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ■ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 02-167

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	VOCs (8260D – WAC 173-351 Appendix I) Naphthalene, SIM-VC and 1,2-EDB	NWTPH-Gx	NWTPH-Dx	Total Metals (Fe, Mn, Mg)	Dissolved Metals (Fe, Mn, Mg, Ca, K, Na)	Nitrate, chloride, sulfate	TDS, Alkalinity, Bicarbonate	Ammonia	TOC	% Moisture
1	MW-9D	2/12	1125	H_2O	9	X			X	X	X	X	X	X	
2	TRIP BLANK	2/12	—	H_2O	2	X									

	Signature	Company	Date	Time
Relinquished	[signature]	Parametrix	2/13	
Received	[signature]	[signature]	2/13/25	1400
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Chromatograms with final report ☐

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

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

February 27, 2025

Laura Lee
Parametrix, Inc.
719 2nd Avenue, Suite 200
Seattle, WA 98104

Re: Analytical Data for Project 553-8472-006x
Laboratory Reference No. 2502-183

Dear Laura:

Enclosed are the analytical results and associated quality control data for samples submitted on February 14, 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,

David Baumeister
Project Manager

Enclosures

Date of Report: February 27, 2025
Samples Submitted: February 14, 2025
Laboratory Reference: 2502-183
Project: 553-8472-006x

Case Narrative

Samples were collected on February 13 and 14, 2025 and received by the laboratory on February 14, 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.

Volatiles EPA 8260D Analysis

The percent recovery for Vinyl Acetate is outside the control limits in the Spike Blank. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

The percent recovery for Vinyl Acetate is outside the control limits in the Matrix Spike and Matrix Spike Duplicate. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

Nitrate (as Nitrogen) EPA 353.2 Analysis

The reported Nitrate results are a calculated value based on the subtraction of Nitrite from the Nitrate plus Nitrite result. The Nitrite analysis, which has a 48-hour holding time, was performed within the holding time. Immediately after this analysis, an aliquot from each sample was preserved with concentrated sulfuric acid and stored at 4 degrees C. The preserved samples were then analyzed within the maximum 28-day holding time for the Nitrate plus Nitrite analysis.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: February 27, 2025
Samples Submitted: February 14, 2025
Laboratory Reference: 2502-183
Project: 553-8472-006x

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

Date of Report: February 27, 2025
Samples Submitted: February 14, 2025
Laboratory Reference: 2502-183
Project: 553-8472-006x

VOLATILE ORGANICS EPA 8260D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*101*	*78-117*				

Date of Report: February 27, 2025
Samples Submitted: February 14, 2025
Laboratory Reference: 2502-183
Project: 553-8472-006x

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

Date of Report: February 27, 2025
Samples Submitted: February 14, 2025
Laboratory Reference: 2502-183
Project: 553-8472-006x

VOLATILE ORGANICS EPA 8260D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*101*	*78-117*				

Date of Report: February 27, 2025
Samples Submitted: February 14, 2025
Laboratory Reference: 2502-183
Project: 553-8472-006x

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

Date of Report: February 27, 2025
Samples Submitted: February 14, 2025
Laboratory Reference: 2502-183
Project: 553-8472-006x

VOLATILE ORGANICS EPA 8260D/SIM
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*102*	*68-133*				
Toluene-d8	*101*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

Date of Report: February 27, 2025
Samples Submitted: February 14, 2025
Laboratory Reference: 2502-183
Project: 553-8472-006x

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*101*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*101*	*79-123*				
4-Bromofluorobenzene	*99*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blank**					
Laboratory ID:	02-183-07					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blank**					
Laboratory ID:	02-183-07					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

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QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0215W1					
Chloromethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Bromomethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Chloroethane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Acetone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Iodomethane	ND	1.7	EPA 8260D	2-15-25	2-15-25	
Carbon Disulfide	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methylene Chloride	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Acrylonitrile	ND	0.50	EPA 8260D	2-15-25	2-15-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Vinyl Acetate	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
2-Butanone	ND	5.0	EPA 8260D	2-15-25	2-15-25	
Bromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Chloroform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Benzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Trichloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Dibromomethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromodichloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Toluene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Tetrachloroethene	ND	0.20	EPA 8260D	2-15-25	2-15-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0215W1					
2-Hexanone	ND	2.0	EPA 8260D	2-15-25	2-15-25	
Dibromochloromethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	2-15-25	2-15-25	
Chlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Ethylbenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
m,p-Xylene	ND	0.40	EPA 8260D	2-15-25	2-15-25	
o-Xylene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Styrene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
Bromoform	ND	1.0	EPA 8260D	2-15-25	2-15-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	2-15-25	2-15-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	2-15-25	2-15-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	2-15-25	2-15-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Naphthalene	ND	1.0	EPA 8260D	2-15-25	2-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Chloromethane	**10.2**	**9.05**	10.0	10.0	ND	102	91	36-162	12	19	
Vinyl Chloride	**11.2**	**9.92**	10.0	10.0	ND	112	99	62-121	12	15	
Bromomethane	**13.0**	**11.4**	10.0	10.0	ND	130	114	48-166	13	22	
Chloroethane	**10.1**	**9.04**	10.0	10.0	ND	101	90	62-129	11	14	
Trichlorofluoromethane	**10.6**	**9.55**	10.0	10.0	ND	106	96	77-120	10	16	
1,1-Dichloroethene	**10.6**	**9.50**	10.0	10.0	ND	106	95	76-119	11	15	
Acetone	**9.45**	**8.29**	10.0	10.0	ND	95	83	56-132	13	17	
Iodomethane	**6.76**	**6.34**	10.0	10.0	ND	68	63	54-121	6	21	
Carbon Disulfide	**9.05**	**8.40**	10.0	10.0	ND	91	84	47-123	7	16	
Methylene Chloride	**10.7**	**9.35**	10.0	10.0	ND	107	94	74-114	13	16	
(trans) 1,2-Dichloroethene	**10.5**	**9.43**	10.0	10.0	ND	105	94	79-120	11	16	
1,1-Dichloroethane	**10.6**	**9.56**	10.0	10.0	ND	106	96	77-122	10	15	
Vinyl Acetate	**16.1**	**14.7**	10.0	10.0	ND	161	147	54-123	9	17	V,V
(cis) 1,2-Dichloroethene	**10.8**	**9.63**	10.0	10.0	ND	108	96	81-128	11	16	
2-Butanone	**10.8**	**9.67**	10.0	10.0	ND	108	97	57-142	11	15	
Bromochloromethane	**10.8**	**9.60**	10.0	10.0	ND	108	96	80-129	12	17	
Chloroform	**10.6**	**9.42**	10.0	10.0	ND	106	94	75-126	12	16	
1,1,1-Trichloroethane	**10.2**	**9.12**	10.0	10.0	ND	102	91	74-126	11	17	
Carbon Tetrachloride	**10.4**	**9.45**	10.0	10.0	ND	104	95	70-128	10	18	
Benzene	**10.6**	**9.43**	10.0	10.0	ND	106	94	76-122	12	16	
1,2-Dichloroethane	**11.1**	**9.68**	10.0	10.0	ND	111	97	70-126	14	17	
Trichloroethene	**10.6**	**9.60**	10.0	10.0	ND	106	96	80-130	10	12	
1,2-Dichloropropane	**10.7**	**9.65**	10.0	10.0	ND	107	97	79-121	10	17	
Dibromomethane	**11.0**	**9.78**	10.0	10.0	ND	110	98	81-122	12	16	
Bromodichloromethane	**10.7**	**9.51**	10.0	10.0	ND	107	95	82-127	12	17	
(cis) 1,3-Dichloropropene	**11.3**	**9.84**	10.0	10.0	ND	113	98	81-128	14	17	
Methyl Isobutyl Ketone	**11.6**	**10.7**	10.0	10.0	ND	116	107	62-130	8	14	
Toluene	**10.9**	**9.75**	10.0	10.0	ND	109	98	75-124	11	19	
(trans) 1,3-Dichloropropene	**11.6**	**10.1**	10.0	10.0	ND	116	101	71-124	14	18	
1,1,2-Trichloroethane	**10.8**	**9.84**	10.0	10.0	ND	108	98	76-126	9	16	
Tetrachloroethene	**10.9**	**9.85**	10.0	10.0	ND	109	99	84-126	10	19	
2-Hexanone	**11.0**	**9.94**	10.0	10.0	ND	110	99	41-156	10	23	
Dibromochloromethane	**10.9**	**9.54**	10.0	10.0	ND	109	95	74-131	13	18	

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Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
1,2-Dibromoethane	**11.7**	**10.5**	10.0	10.0	ND	117	105	74-131	11	16	
Chlorobenzene	**11.2**	**9.88**	10.0	10.0	ND	112	99	84-121	13	16	
1,1,1,2-Tetrachloroethane	**11.5**	**10.3**	10.0	10.0	ND	115	103	82-125	11	17	
Ethylbenzene	**11.2**	**10.2**	10.0	10.0	ND	112	102	85-125	9	17	
m,p-Xylene	**22.0**	**19.8**	20.0	20.0	ND	110	99	84-124	11	17	
o-Xylene	**11.3**	**9.99**	10.0	10.0	ND	113	100	84-126	12	17	
Styrene	**11.6**	**10.2**	10.0	10.0	ND	116	102	83-131	13	19	
Bromoform	**11.5**	**10.2**	10.0	10.0	ND	115	102	67-137	12	18	
1,1,2,2-Tetrachloroethane	**12.4**	**10.7**	10.0	10.0	ND	124	107	56-143	15	15	
1,2,3-Trichloropropane	**11.7**	**10.4**	10.0	10.0	ND	117	104	61-125	12	15	
1,4-Dichlorobenzene	**11.5**	**10.3**	10.0	10.0	ND	115	103	80-126	11	15	
1,2-Dichlorobenzene	**11.8**	**10.5**	10.0	10.0	ND	118	105	79-127	12	16	
1,2-Dibromo-3-chloropropane	**11.3**	**10.3**	10.0	10.0	ND	113	103	54-143	9	19	
Naphthalene	**11.3**	**10.2**	10.0	10.0	ND	113	102	48-143	10	17	
Surrogate:											
Dibromofluoromethane						*102*	*100*	*68-133*			
Toluene-d8						*102*	*101*	*79-123*			
4-Bromofluorobenzene						*101*	*100*	*78-117*			

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Matrix: Water
Units: ug/L

Analyte	Result	Spike Level	Percent Recovery	Recovery Limits	Flags
SPIKE BLANK					
Laboratory ID:	SB0215W1				
Chloromethane	**8.95**	10.0	90	45-145	
Vinyl Chloride	**9.75**	10.0	98	67-130	
Bromomethane	**10.8**	10.0	108	27-165	
Chloroethane	**8.82**	10.0	88	61-132	
Trichlorofluoromethane	**9.07**	10.0	91	67-136	
1,1-Dichloroethene	**9.17**	10.0	92	74-125	
Acetone	**8.16**	10.0	82	49-140	
Iodomethane	**5.94**	10.0	59	15-154	
Carbon Disulfide	**8.44**	10.0	84	58-122	
Methylene Chloride	**9.08**	10.0	91	70-123	
(trans) 1,2-Dichloroethene	**9.04**	10.0	90	77-125	
1,1-Dichloroethane	**9.13**	10.0	91	75-125	
Vinyl Acetate	**14.2**	10.0	142	61-138	V
(cis) 1,2-Dichloroethene	**9.24**	10.0	92	78-130	
2-Butanone	**9.53**	10.0	95	58-144	
Bromochloromethane	**9.01**	10.0	90	79-132	
Chloroform	**8.97**	10.0	90	73-128	
1,1,1-Trichloroethane	**8.77**	10.0	88	72-127	
Carbon Tetrachloride	**8.85**	10.0	89	68-131	
Benzene	**9.05**	10.0	91	76-124	
1,2-Dichloroethane	**9.31**	10.0	93	68-133	
Trichloroethene	**9.33**	10.0	93	80-126	
1,2-Dichloropropane	**9.40**	10.0	94	78-124	
Dibromomethane	**9.35**	10.0	94	76-131	
Bromodichloromethane	**9.24**	10.0	92	81-128	
(cis) 1,3-Dichloropropene	**9.59**	10.0	96	80-131	
Methyl Isobutyl Ketone	**10.3**	10.0	103	67-133	
Toluene	**9.52**	10.0	95	75-120	
(trans) 1,3-Dichloropropene	**9.95**	10.0	100	77-128	
1,1,2-Trichloroethane	**9.33**	10.0	93	80-124	
Tetrachloroethene	**9.43**	10.0	94	80-125	
2-Hexanone	**9.61**	10.0	96	65-134	
Dibromochloromethane	**9.24**	10.0	92	81-131	

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Analyte	Result	Spike Level	Percent Recovery	Recovery Limits	Flags
SPIKE BLANK					
Laboratory ID:	SB0215W1				
1,2-Dibromoethane	**10.2**	10.0	102	82-129	
Chlorobenzene	**9.61**	10.0	96	80-119	
1,1,1,2-Tetrachloroethane	**9.87**	10.0	99	80-124	
Ethylbenzene	**9.79**	10.0	98	80-121	
m,p-Xylene	**19.2**	20.0	96	80-122	
o-Xylene	**9.75**	10.0	98	80-121	
Styrene	**9.96**	10.0	100	82-128	
Bromoform	**10.2**	10.0	102	77-131	
1,1,2,2-Tetrachloroethane	**10.5**	10.0	105	66-138	
1,2,3-Trichloropropane	**10.0**	10.0	100	67-127	
1,4-Dichlorobenzene	**9.79**	10.0	98	78-127	
1,2-Dichlorobenzene	**10.0**	10.0	100	79-129	
1,2-Dibromo-3-chloropropane	**9.81**	10.0	98	62-140	
Naphthalene	**9.09**	10.0	91	53-144	
Surrogate:					
Dibromofluoromethane			100	68-133	
Toluene-d8			101	79-123	
4-Bromofluorobenzene			102	78-117	

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GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Gasoline	**ND**	100	NWTPH-Gx	2-20-25	2-20-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*61-122*				
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Gasoline	**ND**	100	NWTPH-Gx	2-20-25	2-20-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*91*	*61-122*				
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Gasoline	**ND**	100	NWTPH-Gx	2-20-25	2-20-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*61-122*				
Client ID:	**Trip Blank**					
Laboratory ID:	02-183-07					
Gasoline	**ND**	100	NWTPH-Gx	2-20-25	2-20-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*92*	*61-122*				

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GASOLINE RANGE ORGANICS
NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0220W1					
Gasoline	**ND**	100	NWTPH-Gx	2-20-25	2-20-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*89*	*61-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-02										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*91*	*83*	*61-122*			
MATRIX SPIKES											
Laboratory ID:	02-183-02										
	MS	MSD	MS	MSD		MS	MSD				
Gasoline	**5300**	**5320**	5000	5000	ND	**106**	**106**	75-125	0	15	
Surrogate:											
Fluorobenzene						*104*	*98*	*61-122*			

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	2-18-25	2-18-25	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	2-18-25	2-18-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*105*	*50-150*				
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	2-18-25	2-18-25	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	2-18-25	2-18-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	2-18-25	2-18-25	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	2-18-25	2-18-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*114*	*50-150*				

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0218W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	2-18-25	2-18-25	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	2-18-25	2-18-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0218W1										
	ORIG	DUP									
Diesel Fuel #2	**0.387**	**0.370**	NA	NA		NA		NA	4	40	
Surrogate:											
o-Terphenyl						*114*	*111*	*50-150*			
MATRIX SPIKES											
Laboratory ID:	02-183-02										
	MS	MSD	MS	MSD		MS	MSD				
Diesel Range	**0.441**	**0.528**	0.500	0.500	**ND**	**88**	**106**	50-129	18	40	
Surrogate:											
o-Terphenyl						*116*	*134*	*50-150*			

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TOTAL METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Iron	**1.0**	0.050	EPA 6010D	2-20-25	2-20-25	
Magnesium	**45**	1.0	EPA 6010D	2-20-25	2-20-25	
Manganese	**0.21**	0.010	EPA 6010D	2-20-25	2-20-25	
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Iron	**0.12**	0.050	EPA 6010D	2-20-25	2-20-25	
Magnesium	**30**	1.0	EPA 6010D	2-20-25	2-20-25	
Manganese	**0.30**	0.010	EPA 6010D	2-20-25	2-20-25	
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Iron	**0.29**	0.050	EPA 6010D	2-20-25	2-20-25	
Magnesium	**11**	1.0	EPA 6010D	2-20-25	2-20-25	
Manganese	**0.037**	0.010	EPA 6010D	2-20-25	2-20-25	
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Iron	**0.55**	0.050	EPA 6010D	2-20-25	2-20-25	
Magnesium	**19**	1.0	EPA 6010D	2-20-25	2-20-25	
Manganese	**0.018**	0.010	EPA 6010D	2-20-25	2-20-25	
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Iron	**0.17**	0.050	EPA 6010D	2-20-25	2-20-25	
Magnesium	**11**	1.0	EPA 6010D	2-20-25	2-20-25	
Manganese	**0.012**	0.010	EPA 6010D	2-20-25	2-20-25	
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Iron	**0.16**	0.050	EPA 6010D	2-20-25	2-20-25	
Magnesium	**31**	1.0	EPA 6010D	2-20-25	2-20-25	
Manganese	**0.32**	0.010	EPA 6010D	2-20-25	2-20-25	

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TOTAL METALS
EPA 6010D
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0220WH1					
Iron	**ND**	0.050	EPA 6010D	2-20-25	2-20-25	
Magnesium	**ND**	1.0	EPA 6010D	2-20-25	2-20-25	
Manganese	**ND**	0.010	EPA 6010D	2-20-25	2-20-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Iron	**0.172**	**0.187**	NA	NA		NA		NA	8	20	
Magnesium	**11.2**	**11.4**	NA	NA		NA		NA	2	20	
Manganese	**0.0117**	**0.0109**	NA	NA		NA		NA	6	20	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Iron	**20.1**	**21.3**	20.0	20.0	0.172	**100**	**106**	75-125	6	20	
Magnesium	**30.6**	**31.8**	20.0	20.0	11.2	**97**	**103**	75-125	4	20	
Manganese	**0.520**	**0.549**	0.500	0.500	0.0117	**102**	**108**	75-125	5	20	

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DISSOLVED METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Calcium	**60**	10	EPA 6010D		2-18-25	
Iron	**0.92**	0.056	EPA 6010D		2-18-25	
Magnesium	**42**	1.1	EPA 6010D		2-18-25	
Manganese	**0.21**	0.011	EPA 6010D		2-18-25	
Potassium	**5.2**	1.1	EPA 6010D		2-18-25	
Sodium	**20**	1.1	EPA 6010D		2-18-25	
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Calcium	**41**	1.1	EPA 6010D		2-18-25	
Iron	**ND**	0.056	EPA 6010D		2-18-25	
Magnesium	**28**	1.1	EPA 6010D		2-18-25	
Manganese	**ND**	0.011	EPA 6010D		2-18-25	
Potassium	**4.1**	1.1	EPA 6010D		2-18-25	
Sodium	**16**	1.1	EPA 6010D		2-18-25	
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Calcium	**13**	1.1	EPA 6010D		2-18-25	
Iron	**0.25**	0.056	EPA 6010D		2-18-25	
Magnesium	**9.7**	1.1	EPA 6010D		2-18-25	
Manganese	**0.036**	0.011	EPA 6010D		2-18-25	
Potassium	**2.4**	1.1	EPA 6010D		2-18-25	
Sodium	**10**	1.1	EPA 6010D		2-18-25	
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Calcium	**24**	1.1	EPA 6010D		2-18-25	
Iron	**ND**	0.056	EPA 6010D		2-18-25	
Magnesium	**17**	1.1	EPA 6010D		2-18-25	
Manganese	**ND**	0.011	EPA 6010D		2-18-25	
Potassium	**2.7**	1.1	EPA 6010D		2-18-25	
Sodium	**18**	1.1	EPA 6010D		2-18-25	

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DISSOLVED METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Calcium	**17**	1.1	EPA 6010D		2-18-25	
Iron	**ND**	0.056	EPA 6010D		2-18-25	
Magnesium	**9.7**	1.1	EPA 6010D		2-18-25	
Manganese	**ND**	0.011	EPA 6010D		2-18-25	
Potassium	**1.9**	1.1	EPA 6010D		2-18-25	
Sodium	**13**	1.1	EPA 6010D		2-18-25	
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Calcium	**40**	1.1	EPA 6010D		2-18-25	
Iron	**ND**	0.056	EPA 6010D		2-18-25	
Magnesium	**28**	1.1	EPA 6010D		2-18-25	
Manganese	**ND**	0.011	EPA 6010D		2-18-25	
Potassium	**3.9**	1.1	EPA 6010D		2-18-25	
Sodium	**15**	1.1	EPA 6010D		2-18-25	

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DISSOLVED METALS
EPA 6010D
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0218D1					
Calcium	**ND**	1.1	EPA 6010D		2-18-25	
Iron	**ND**	0.056	EPA 6010D		2-18-25	
Magnesium	**ND**	1.1	EPA 6010D		2-18-25	
Manganese	**ND**	0.011	EPA 6010D		2-18-25	
Potassium	**ND**	1.1	EPA 6010D		2-18-25	
Sodium	**ND**	1.1	EPA 6010D		2-18-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	02-183-05									
	ORIG	DUP								
Calcium	**17.2**	**17.2**	NA	NA		NA	NA	0	20	
Iron	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Magnesium	**9.73**	**9.72**	NA	NA		NA	NA	0	20	
Manganese	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Potassium	**1.92**	**1.94**	NA	NA		NA	NA	1	20	
Sodium	**13.1**	**13.1**	NA	NA		NA	NA	1	20	

MATRIX SPIKES										
Laboratory ID:	02-183-05									
	MS	MSD	MS	MSD		MS	MSD			
Calcium	**39.4**	**38.8**	22.2	22.2	17.2	**100**	**97**	75-125	2	20
Iron	**23.7**	**23.0**	22.2	22.2	ND	**107**	**104**	75-125	3	20
Magnesium	**32.7**	**32.2**	22.2	22.2	9.73	**104**	**101**	75-125	2	20
Manganese	**0.558**	**0.544**	0.556	0.556	ND	**100**	**98**	75-125	3	20
Potassium	**27.3**	**26.8**	22.2	22.2	1.92	**114**	**112**	75-125	2	20
Sodium	**35.4**	**34.7**	22.2	22.2	13.1	**100**	**97**	75-125	2	20

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NITRATE (as Nitrogen)
EPA 353.2

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Nitrate	**ND**	0.050	EPA 353.2	2-24-25	2-24-25	
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Nitrate	**11**	0.25	EPA 353.2	2-24-25	2-24-25	
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Nitrate	**0.066**	0.050	EPA 353.2	2-24-25	2-24-25	
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Nitrate	**1.6**	0.050	EPA 353.2	2-24-25	2-24-25	
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Nitrate	**1.4**	0.050	EPA 353.2	2-24-25	2-24-25	
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Nitrate	**10**	0.25	EPA 353.2	2-24-25	2-24-25	

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NITRATE (as Nitrogen)
EPA 353.2
QUALITY CONTROL

Matrix: Water
Units: mg/L-N

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0224W1					
Nitrate	**ND**	0.050	EPA 353.2	2-24-25	2-24-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Nitrate	**1.38**	**1.41**	NA		NA	NA		NA	2	22	
MATRIX SPIKE											
Laboratory ID:	02-183-05										
	MS		MS			MS					
Nitrate	**3.09**		2.00		1.38	86		86-119	NA	NA	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Nitrate	**3.09**	**3.17**	2.00	2.00	1.38	86	90	86-119	3	20	

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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Chloride	**77**	2.0	SM 4500-Cl E	2-19-25	2-19-25	
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Chloride	**60**	2.0	SM 4500-Cl E	2-19-25	2-19-25	
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Chloride	**3.1**	2.0	SM 4500-Cl E	2-19-25	2-19-25	
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Chloride	**15**	2.0	SM 4500-Cl E	2-19-25	2-19-25	
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Chloride	**3.4**	2.0	SM 4500-Cl E	2-19-25	2-19-25	
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Chloride	**62**	2.0	SM 4500-Cl E	2-19-25	2-19-25	

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CHLORIDE
SM 4500-Cl E
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0219W1					
Chloride	**ND**	2.0	SM 4500-Cl E	2-19-25	2-19-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Chloride	**3.39**	**3.26**	NA		NA	NA		NA	4	21	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Chloride	**52.0**	**52.9**	50.0	50.0	3.39	97	99	81-115	2	20	
SPIKE BLANK											
Laboratory ID:	SB0219W1										
	SB		SB			SB					
Chloride	**49.1**		50.0		NA	98		77-115	NA	NA	

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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Sulfate	**160**	50	ASTM D516-11	2-21-25	2-21-25	
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Sulfate	**56**	20	ASTM D516-11	2-21-25	2-21-25	
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Sulfate	**ND**	5.0	ASTM D516-11	2-21-25	2-21-25	
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Sulfate	**50**	20	ASTM D516-11	2-21-25	2-21-25	
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Sulfate	**9.9**	5.0	ASTM D516-11	2-21-25	2-21-25	
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Sulfate	**50**	20	ASTM D516-11	2-21-25	2-21-25	

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SULFATE
ASTM D516-11
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0221W1					
Sulfate	**ND**	5.0	ASTM D516-11	2-21-25	2-21-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Sulfate	**9.87**	**9.93**	NA		NA	NA		NA	1	11	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Sulfate	**22.0**	**22.2**	10.0	10.0	9.87	121	123	69-134	1	20	
SPIKE BLANK											
Laboratory ID:	SB0221W1										
	SB		SB			SB					
Sulfate	**9.81**		10.0		NA	98		81-106	NA	NA	

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TOTAL DISSOLVED SOLIDS
SM 2540C

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Total Dissolved Solids	**300**	13	SM 2540C	2-19-25	2-19-25	
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Total Dissolved Solids	**340**	13	SM 2540C	2-19-25	2-19-25	
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Total Dissolved Solids	**110**	13	SM 2540C	2-19-25	2-19-25	
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Total Dissolved Solids	**230**	13	SM 2540C	2-19-25	2-19-25	
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Total Dissolved Solids	**280**	13	SM 2540C	2-19-25	2-19-25	
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Total Dissolved Solids	**330**	13	SM 2540C	2-19-25	2-19-25	

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TOTAL DISSOLVED SOLIDS
SM 2540C
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0219W1					
Total Dissolved Solids	**ND**	13	SM 2540C	2-19-25	2-19-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	02-183-05								
	ORIG	DUP							
Total Dissolved Solids	**277**	**281**	NA	NA	NA	NA	1	29	
SPIKE BLANK									
Laboratory ID:	SB0219W1								
	SB		SB		SB				
Total Dissolved Solids	**477**		500	NA	95	76-120	NA	NA	

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TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Total Alkalinity	**100**	2.0	SM 2320B	2-24-25	2-24-25	
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Total Alkalinity	**84**	2.0	SM 2320B	2-24-25	2-24-25	
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Total Alkalinity	**94**	2.0	SM 2320B	2-24-25	2-24-25	
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Total Alkalinity	**92**	2.0	SM 2320B	2-24-25	2-24-25	
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Total Alkalinity	**96**	2.0	SM 2320B	2-24-25	2-24-25	
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Total Alkalinity	**84**	2.0	SM 2320B	2-24-25	2-24-25	

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TOTAL ALKALINITY
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0224W1					
Total Alkalinity	**ND**	2.0	SM 2320B	2-24-25	2-24-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Total Alkalinity	**96.0**	**96.0**	NA		NA	NA		NA	0	10	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Total Alkalinity	**180**	**180**	100	100	96.0	84	84	80-120	0	20	
SPIKE BLANK											
Laboratory ID:	SB0224W1										
	SB		SB			SB					
Total Alkalinity	**90.0**		100		NA	90		82-101	NA	NA	

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BICARBONATE
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Bicarbonate	**100**	2.0	SM 2320B	2-24-25	2-24-25	
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Bicarbonate	**84**	2.0	SM 2320B	2-24-25	2-24-25	
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Bicarbonate	**94**	2.0	SM 2320B	2-24-25	2-24-25	
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Bicarbonate	**92**	2.0	SM 2320B	2-24-25	2-24-25	
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Bicarbonate	**96**	2.0	SM 2320B	2-24-25	2-24-25	
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Bicarbonate	**84**	2.0	SM 2320B	2-24-25	2-24-25	

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BICARBONATE
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0224W1					
Bicarbonate	**ND**	2.0	SM 2320B	2-24-25	2-24-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Bicarbonate	**96.0**	**96.0**	NA		NA	NA		NA	0	10	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Bicarbonate	**180**	**180**	100	100	96.0	84	84	80-120	0	20	
SPIKE BLANK											
Laboratory ID:	SB0224W1										
	SB		SB			SB					
Bicarbonate	**90.0**		100		NA	90		82-101	NA	NA	

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AMMONIA (as Nitrogen)
SM 4500-NH_3 D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Ammonia	**ND**	0.053	SM 4500-NH3 D	2-27-25	2-27-25	
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Ammonia	**ND**	0.053	SM 4500-NH3 D	2-27-25	2-27-25	
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Ammonia	**ND**	0.053	SM 4500-NH3 D	2-27-25	2-27-25	
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Ammonia	**ND**	0.053	SM 4500-NH3 D	2-27-25	2-27-25	
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Ammonia	**ND**	0.053	SM 4500-NH3 D	2-27-25	2-27-25	
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Ammonia	**ND**	0.053	SM 4500-NH3 D	2-27-25	2-27-25	

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AMMONIA (as Nitrogen)
SM 4500-NH_3 D
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0227W1					
Ammonia	**ND**	0.053	SM 4500-NH3 D	2-27-25	2-27-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Ammonia	**ND**	**ND**	NA		NA	NA		NA	NA	15	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Ammonia	**5.37**	**5.14**	5.00	5.00	ND	107	103	75-111	4	20	
SPIKE BLANK											
Laboratory ID:	SB0227W1										
	SB		SB			SB					
Ammonia	**5.14**		5.00		NA	103		81-110	NA	NA	

Date of Report: February 27, 2025
Samples Submitted: February 14, 2025
Laboratory Reference: 2502-183
Project: 553-8472-006x

TOTAL ORGANIC CARBON
SM 5310B

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S-0213**					
Laboratory ID:	02-183-01					
Total Organic Carbon	**4.0**	1.0	SM 5310B	2-25-25	2-25-25	
Client ID:	**MW-6S-0214**					
Laboratory ID:	02-183-02					
Total Organic Carbon	**3.1**	1.0	SM 5310B	2-25-25	2-25-25	
Client ID:	**MW-7D-0213**					
Laboratory ID:	02-183-03					
Total Organic Carbon	**ND**	1.0	SM 5310B	2-25-25	2-25-25	
Client ID:	**MW-8D-0213**					
Laboratory ID:	02-183-04					
Total Organic Carbon	**ND**	1.0	SM 5310B	2-25-25	2-25-25	
Client ID:	**MW-10D-0214**					
Laboratory ID:	02-183-05					
Total Organic Carbon	**ND**	1.0	SM 5310B	2-25-25	2-25-25	
Client ID:	**MW-13S-0214**					
Laboratory ID:	02-183-06					
Total Organic Carbon	**3.2**	1.0	SM 5310B	2-25-25	2-25-25	

Date of Report: February 27, 2025
Samples Submitted: February 14, 2025
Laboratory Reference: 2502-183
Project: 553-8472-006x

TOTAL ORGANIC CARBON
SM 5310B
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0225W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	2-25-25	2-25-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	02-183-05										
	ORIG	DUP									
Total Organic Carbon	**ND**	**ND**	NA		NA	NA		NA	NA	11	
MATRIX SPIKES											
Laboratory ID:	02-183-05										
	MS	MSD	MS	MSD		MS	MSD				
Total Organic Carbon	**11.1**	**11.0**	10.0	10.0	ND	111	110	85-120	1	20	
SPIKE BLANK											
Laboratory ID:	SB0225W1										
	SB		SB			SB					
Total Organic Carbon	**10.6**		10.0		NA	106		79-120	NA	NA	

OnSite Environmental Inc.

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

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Page 1 of 1

Company: Parametrix
Project Number: 553-8472-006x
Project Name: DTG Yakima LPL
Project Manager: Laura Lee
Sampled by: M Brady / S Nguyen

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
■ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 02-183

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	VOCs (8260D – WAC 173-351 Appendix I) Naphthalene: SIM-VC and 1,2-EDB	NWTPH-Gx	NWTPH-Dx	Total Metals (Fe, Mn, Mg)	Dissolved Metals (Fe, Mn, Mg, Ca, K, Na)	Nitrate, chloride, sulfate	TDS, Alkalinity, Bicarbonate	Ammonia	TOC											MS/MSD Gx, Dx	MS/MSD All Others		% Moisture
1	MW-5S - 0213	2/13	1540	Water	13	X	X	X	X	X	X	X	X	X														
2	MW-6S - ~~0213~~ 0214 DB	2/14	950	Water	15 ~~16~~	X	X	X	X	X	X	X	X	X											X			
3	MW-7D - 0213	2/13	1320	Water	9	X			X	X	X	X	X	X														
4	MW-8D - 0213	2/13	1035	Water	9	X			X	X	X	X	X	X														
~~5~~	~~MW-9D~~ SN			~~Water~~	~~9~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	SN													
5	MW-10D - 0214	2/14	840	Water	18	X			X	X	X	X	X	X												X		
6	MW-13S - 0214	2/14	1100	Water	13	X	X	X	X	X	X	X	X	X														
7	Trip Blank			Water	8 ~~10~~	X	X																					

	Signature	Company	Date	Time
Relinquished		Parametrix	2/14/24	1439
Received		OSE	2/14/2025	1439
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
MS/MSD extra volume provided 6S/10D

Chromatograms with final report ☐

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

Sample/Cooler Receipt and Acceptance Checklist

Client: PAR

Client Project Name/Number: 553-8472-006 ✗

OnSite Project Number: 02-183

Initiated by: MV

Date Initiated: 2/14/25

1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A	1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	(N/A)	1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A)	1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A	1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	(Yes)	No	N/A	Temperature:	0.1
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	(N/A)			
1.7 How were the samples delivered?	(Client)	Courier	UPS/FedEx	OSE Pickup	Other

2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	(Yes)	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	(Yes)	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	(Yes)	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	Yes	(No)		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)		1 2 3 4

3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	(Yes)	No		1 2 3 4
3.2 Were any sample labels missing or illegible?	(Yes)	No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	(Yes)	No		1 2 3 4
3.4 Have the samples been correctly preserved?	(Yes)	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	(Yes)	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	(Yes)	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	(Yes)	No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	(N/A)	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		(N/A)	1 2 3 4

Explain any discrepancies:

2.4) #3) Dis poly ID illegible

3.1) #2) poly in bag w/ MW-13S
#6) poly in bag w/ MW-6S

1 - Discuss issue in Case Narrative

2 - Process Sample As-is

3 - Client contacted to discuss problem

4 - Sample cannot be analyzed or client does not wish to proceed

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

April 7, 2025

Michael Brady
Parametrix, Inc.
719 2nd Avenue, Suite 200
Seattle, WA 98104

Re: Analytical Data for Project 553-8472-006
Laboratory Reference No. 2503-357

Dear Michael:

Enclosed are the analytical results and associated quality control data for samples submitted on March 26, 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,

David Baumeister
Project Manager

Enclosures

Date of Report: April 7, 2025
Samples Submitted: March 26, 2025
Laboratory Reference: 2503-357
Project: 553-8472-006

Case Narrative

Samples were collected on March 25, 2025 and received by the laboratory on March 26, 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.

Volatiles EPA 8260D Analysis

The percent recovery for Dibromochloromethane is outside the control limits in the Spike Blank Duplicate. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

The RPD for Dibromochloromethane is outside the control limits for the Spike Blank/Spike Blank Duplicate. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: April 7, 2025
Samples Submitted: March 26, 2025
Laboratory Reference: 2503-357
Project: 553-8472-006

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Chloromethane	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	3-28-25	3-28-25	
Bromomethane	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Chloroethane	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Acetone	ND	5.0	EPA 8260D	3-28-25	3-28-25	
Iodomethane	ND	1.8	EPA 8260D	3-28-25	3-28-25	
Carbon Disulfide	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Methylene Chloride	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Acrylonitrile	ND	0.50	EPA 8260D	3-28-25	3-28-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Vinyl Acetate	ND	1.0	EPA 8260D	3-28-25	3-28-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
2-Butanone	ND	5.0	EPA 8260D	3-28-25	3-28-25	
Bromochloromethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Chloroform	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Benzene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Trichloroethene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Dibromomethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Bromodichloromethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-28-25	3-28-25	
Toluene	ND	1.0	EPA 8260D	3-28-25	3-28-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Tetrachloroethene	ND	0.20	EPA 8260D	3-28-25	3-28-25	

Date of Report: April 7, 2025
Samples Submitted: March 26, 2025
Laboratory Reference: 2503-357
Project: 553-8472-006

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
2-Hexanone	ND	2.0	EPA 8260D	3-28-25	3-28-25	
Dibromochloromethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	3-28-25	3-28-25	
Chlorobenzene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Ethylbenzene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
m,p-Xylene	ND	0.40	EPA 8260D	3-28-25	3-28-25	
o-Xylene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Styrene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Bromoform	ND	1.0	EPA 8260D	3-28-25	3-28-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	3-28-25	3-28-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Naphthalene	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*97*	*78-117*				

Date of Report: April 7, 2025
Samples Submitted: March 26, 2025
Laboratory Reference: 2503-357
Project: 553-8472-006

VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0328W1					
Chloromethane	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	3-28-25	3-28-25	
Bromomethane	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Chloroethane	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Acetone	ND	5.0	EPA 8260D	3-28-25	3-28-25	
Iodomethane	ND	1.8	EPA 8260D	3-28-25	3-28-25	
Carbon Disulfide	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Methylene Chloride	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Acrylonitrile	ND	0.50	EPA 8260D	3-28-25	3-28-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Vinyl Acetate	ND	1.0	EPA 8260D	3-28-25	3-28-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
2-Butanone	ND	5.0	EPA 8260D	3-28-25	3-28-25	
Bromochloromethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Chloroform	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Benzene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Trichloroethene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Dibromomethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Bromodichloromethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	3-28-25	3-28-25	
Toluene	ND	1.0	EPA 8260D	3-28-25	3-28-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Tetrachloroethene	ND	0.20	EPA 8260D	3-28-25	3-28-25	

Date of Report: April 7, 2025
Samples Submitted: March 26, 2025
Laboratory Reference: 2503-357
Project: 553-8472-006

VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0328W1					
2-Hexanone	ND	2.0	EPA 8260D	3-28-25	3-28-25	
Dibromochloromethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	3-28-25	3-28-25	
Chlorobenzene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Ethylbenzene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
m,p-Xylene	ND	0.40	EPA 8260D	3-28-25	3-28-25	
o-Xylene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Styrene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
Bromoform	ND	1.0	EPA 8260D	3-28-25	3-28-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	3-28-25	3-28-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	3-28-25	3-28-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	3-28-25	3-28-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Naphthalene	ND	1.0	EPA 8260D	3-28-25	3-28-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*68-133*				
Toluene-d8	*98*	*79-123*				
4-Bromofluorobenzene	*96*	*78-117*				

Date of Report: April 7, 2025
Samples Submitted: March 26, 2025
Laboratory Reference: 2503-357
Project: 553-8472-006

VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0328W1									
	SB	SBD	SB	SBD	SB	SBD				
Chloromethane	**10.4**	**9.28**	10.0	10.0	104	93	45-145	11	19	
Vinyl Chloride	**11.7**	**10.6**	10.0	10.0	117	106	67-130	10	15	
Bromomethane	**12.7**	**11.6**	10.0	10.0	127	116	27-165	9	36	
Chloroethane	**10.3**	**9.60**	10.0	10.0	103	96	61-132	7	18	
Trichlorofluoromethane	**11.0**	**10.2**	10.0	10.0	110	102	67-136	8	17	
1,1-Dichloroethene	**10.0**	**9.29**	10.0	10.0	100	93	74-125	7	15	
Acetone	**8.02**	**7.42**	10.0	10.0	80	74	49-140	8	20	
Iodomethane	**5.62**	**6.01**	10.0	10.0	56	60	15-154	7	49	
Carbon Disulfide	**9.37**	**9.60**	10.0	10.0	94	96	58-122	2	18	
Methylene Chloride	**9.57**	**8.78**	10.0	10.0	96	88	70-123	9	15	
(trans) 1,2-Dichloroethene	**9.99**	**9.34**	10.0	10.0	100	93	77-125	7	15	
1,1-Dichloroethane	**10.1**	**9.43**	10.0	10.0	101	94	75-125	7	15	
Vinyl Acetate	**11.8**	**12.2**	10.0	10.0	118	122	61-138	3	16	
(cis) 1,2-Dichloroethene	**10.0**	**9.32**	10.0	10.0	100	93	78-130	7	15	
2-Butanone	**9.14**	**9.03**	10.0	10.0	91	90	58-144	1	16	
Bromochloromethane	**10.7**	**10.0**	10.0	10.0	107	100	79-132	7	15	
Chloroform	**10.3**	**9.59**	10.0	10.0	103	96	73-128	7	15	
1,1,1-Trichloroethane	**10.4**	**9.63**	10.0	10.0	104	96	72-127	8	15	
Carbon Tetrachloride	**10.6**	**9.92**	10.0	10.0	106	99	68-131	7	15	
Benzene	**10.2**	**9.55**	10.0	10.0	102	96	76-124	7	15	
1,2-Dichloroethane	**10.1**	**9.43**	10.0	10.0	101	94	68-133	7	15	
Trichloroethene	**10.7**	**10.0**	10.0	10.0	107	100	80-126	7	15	
1,2-Dichloropropane	**10.3**	**9.64**	10.0	10.0	103	96	78-124	7	15	
Dibromomethane	**10.8**	**10.2**	10.0	10.0	108	102	76-131	6	15	
Bromodichloromethane	**10.2**	**9.67**	10.0	10.0	102	97	81-128	5	15	
(cis) 1,3-Dichloropropene	**10.6**	**10.1**	10.0	10.0	106	101	80-131	5	15	
Methyl Isobutyl Ketone	**9.60**	**9.76**	10.0	10.0	96	98	67-133	2	16	
Toluene	**10.5**	**9.91**	10.0	10.0	105	99	75-120	6	15	
(trans) 1,3-Dichloropropene	**10.7**	**10.0**	10.0	10.0	107	100	77-128	7	15	
1,1,2-Trichloroethane	**10.2**	**9.68**	10.0	10.0	102	97	80-124	5	15	
Tetrachloroethene	**10.8**	**10.1**	10.0	10.0	108	101	80-125	7	15	
2-Hexanone	**9.00**	**8.80**	10.0	10.0	90	88	65-134	2	20	
Dibromochloromethane	**10.6**	**6.69**	10.0	10.0	106	67	81-131	45	15	I,L

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VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL
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Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0328W1									
	SB	SBD	SB	SBD	SB	SBD				
1,2-Dibromoethane	**11.0**	**10.3**	10.0	10.0	110	103	82-129	7	15	
Chlorobenzene	**10.6**	**9.84**	10.0	10.0	106	98	80-119	7	15	
1,1,1,2-Tetrachloroethane	**11.1**	**10.6**	10.0	10.0	111	106	80-124	5	15	
Ethylbenzene	**10.5**	**9.79**	10.0	10.0	105	98	80-121	7	15	
m,p-Xylene	**20.8**	**19.6**	20.0	20.0	104	98	80-122	6	15	
o-Xylene	**10.5**	**9.87**	10.0	10.0	105	99	80-121	6	15	
Styrene	**10.5**	**9.97**	10.0	10.0	105	100	82-128	5	15	
Bromoform	**12.0**	**11.4**	10.0	10.0	120	114	77-131	5	15	
1,1,2,2-Tetrachloroethane	**11.0**	**10.6**	10.0	10.0	110	106	66-138	4	15	
1,2,3-Trichloropropane	**10.2**	**9.85**	10.0	10.0	102	99	67-127	3	18	
1,4-Dichlorobenzene	**10.5**	**10.1**	10.0	10.0	105	101	78-127	4	15	
1,2-Dichlorobenzene	**10.5**	**10.0**	10.0	10.0	105	100	79-129	5	15	
1,2-Dibromo-3-chloropropane	**10.4**	**10.0**	10.0	10.0	104	100	62-140	4	18	
Naphthalene	**8.87**	**8.58**	10.0	10.0	89	86	53-144	3	25	
Surrogate:										
Dibromofluoromethane					*101*	*102*	*68-133*			
Toluene-d8					*100*	*103*	*79-123*			
4-Bromofluorobenzene					*98*	*99*	*78-117*			

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GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Gasoline	**ND**	100	NWTPH-Gx	3-27-25	3-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*80*	*61-122*				

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GASOLINE RANGE ORGANICS
NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0327W4					
Gasoline	**ND**	100	NWTPH-Gx	3-27-25	3-27-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*80*	*61-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-319-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*80*	*81*	*61-122*			

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Diesel Range Organics	**0.18**	0.15	NWTPH-Dx	4-2-25	4-2-25	
Lube Oil Range Organics	**0.28**	0.20	NWTPH-Dx	4-2-25	4-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0402W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	4-2-25	4-2-25	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	4-2-25	4-2-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*96*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	03-377-01										
	ORIG	DUP									
Diesel Range Organics	**0.180**	**0.158**	NA	NA		NA		NA	13	40	
Lube Oil Range Organics	**0.271**	**0.250**	NA	NA		NA		NA	8	40	
Surrogate:											
o-Terphenyl						*101*	*88*	*50-150*			

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TOTAL METALS
EPA 6010D

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Iron	**270**	50	EPA 6010D	3-27-25	3-27-25	
Magnesium	**9400**	1000	EPA 6010D	3-27-25	3-27-25	
Manganese	**19**	10	EPA 6010D	3-27-25	3-27-25	

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TOTAL METALS
EPA 6010D
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0327WH2					
Iron	**ND**	50	EPA 6010D	3-27-25	3-27-25	
Magnesium	**ND**	1000	EPA 6010D	3-27-25	3-27-25	
Manganese	**ND**	10	EPA 6010D	3-27-25	3-27-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	03-282-10									
	ORIG	DUP								
Iron	**478**	**414**	NA	NA		NA	NA	14	20	
Magnesium	**2590**	**2220**	NA	NA		NA	NA	16	20	
Manganese	**35.6**	**30.5**	NA	NA		NA	NA	15	20	
MATRIX SPIKES										
Laboratory ID:	03-282-10									
	MS	MSD	MS	MSD		MS	MSD			
Iron	**24200**	**23900**	20000	20000	478	**119**	**117**	75-125	1	20
Magnesium	**25900**	**25400**	20000	20000	2590	**116**	**114**	75-125	2	20
Manganese	**602**	**592**	500	500	35.6	**113**	**111**	75-125	2	20

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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Chloride	**3.2**	2.0	SM 4500-Cl E	3-31-25	3-31-25	

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CHLORIDE
SM 4500-Cl E
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0331W1					
Chloride	**ND**	2.0	SM 4500-Cl E	3-31-25	3-31-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	03-357-01								
	ORIG	DUP							
Chloride	**3.23**	**3.40**	NA	NA	NA	NA	5	21	
MATRIX SPIKE									
Laboratory ID:	03-357-01								
	MS		MS		MS				
Chloride	**52.3**		50.0	3.23	98	81-115	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0331W1								
	SB		SB		SB				
Chloride	**48.5**		50.0	NA	97	77-115	NA	NA	

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SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Sulfate	**44**	10	ASTM D516-11	3-28-25	3-28-25	

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SULFATE
ASTM D516-11
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0328W1					
Sulfate	**ND**	5.0	ASTM D516-11	3-28-25	3-28-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	03-260-12								
	ORIG	DUP							
Sulfate	**44.1**	**44.2**	NA	NA	NA	NA	0	11	
MATRIX SPIKE									
Laboratory ID:	03-260-12								
	MS		MS		MS				
Sulfate	**86.6**		40.0	44.1	106	69-134	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0328W1								
	SB		SB		SB				
Sulfate	**9.68**		10.0	NA	97	81-106	NA	NA	

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TOTAL DISSOLVED SOLIDS
SM 2540C

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Total Dissolved Solids	**140**	13	SM 2540C	3-31-25	3-31-25	

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TOTAL DISSOLVED SOLIDS
SM 2540C
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0331W1					
Total Dissolved Solids	**ND**	13	SM 2540C	3-31-25	3-31-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	03-357-01								
	ORIG	DUP							
Total Dissolved Solids	**141**	**160**	NA	NA	NA	NA	13	29	
SPIKE BLANK									
Laboratory ID:	SB0331W1								
	SB		SB		SB				
Total Dissolved Solids	**481**		500	NA	96	76-120	NA	NA	

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TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Total Alkalinity	**64**	2.0	SM 2320B	3-31-25	3-31-25	

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TOTAL ALKALINITY
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0331W1					
Total Alkalinity	**ND**	2.0	SM 2320B	3-31-25	3-31-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	03-363-01								
	ORIG	DUP							
Total Alkalinity	**42.0**	**42.0**	NA	NA	NA	NA	0	10	
SPIKE BLANK									
Laboratory ID:	SB0331W1								
	SB		SB		SB				
Total Alkalinity	**92.0**		100	NA	92	82-101	NA	NA	

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BICARBONATE
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Bicarbonate	**36**	2.0	SM 2320B	3-31-25	3-31-25	

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BICARBONATE
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0331W1					
Bicarbonate	**ND**	2.0	SM 2320B	3-31-25	3-31-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	03-363-01								
	ORIG	DUP							
Bicarbonate	**42.0**	**42.0**	NA	NA	NA	NA	0	10	
SPIKE BLANK									
Laboratory ID:	SB0331W1								
	SB		SB		SB				
Bicarbonate	**92.0**		100	NA	92	82-101	NA	NA	

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AMMONIA (as Nitrogen)
SM 4500-NH_3 D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-1-25	4-1-25	

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AMMONIA (as Nitrogen)
SM 4500-NH_3 D
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0401W1					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-1-25	4-1-25	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	03-357-01							
	ORIG DUP							
Ammonia	**ND** **ND**	NA	NA	NA	NA	NA	15	
MATRIX SPIKE								
Laboratory ID:	03-357-01							
	MS	MS		MS				
Ammonia	**5.43**	5.00	ND	109	75-111	NA	NA	
SPIKE BLANK								
Laboratory ID:	SB0401W1							
	SB	SB		SB				
Ammonia	**5.13**	5.00	NA	103	81-110	NA	NA	

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TOTAL ORGANIC CARBON
SM 5310B

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Total Organic Carbon	**8.6**	1.0	SM 5310B	3-27-25	3-27-25	

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TOTAL ORGANIC CARBON
SM 5310B
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0327W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	3-27-25	3-27-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	03-282-01								
	ORIG	DUP							
Total Organic Carbon	**5.72**	**5.70**	NA	NA	NA	NA	0	11	
MATRIX SPIKE									
Laboratory ID:	03-282-01								
	MS		MS		MS				
Total Organic Carbon	**16.5**		10.0	5.72	108	85-120	NA	NA	
SPIKE BLANK									
Laboratory ID:	SB0327W1								
	SB		SB		SB				
Total Organic Carbon	**11.6**		10.0	NA	116	79-120	NA	NA	

OnSite Environmental Inc.

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

ANATEK LABS

Analytical Results Report For:

OnSite Environmental, Inc.

Project:

Parametrix DTG Yakima

Anatek Work Order:

YFC0620

Anatek Moscow - 1282 Alturas Drive - Moscow, ID 83843 - 208-883-2839 - moscow@anateklabs.com - FL NELAP E87893
Anatek Spokane - 504 E Sprague Ste. D - Spokane, WA 99202 - 509-838-3999 - spokane@anateklabs.com - FL NELAP E871099
Anatek Yakima - 4802 Tieton Drive - Yakima, WA 98908 - 509-225-9404 - yakima@anateklabs.com - FL NELAP E871190
Anatek Wenatchee - 3019 Gs Center Rd - Wenatchee, WA 98801 - 509-701-8362

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Client:	OnSite Environmental, Inc.	Work Order:	YFC0620
Address:	14648 NE. 95th St.	Project:	Parametrix DTG Yakima
	Redmond, WA 98052	Reported:	3/28/2025 11:49
Attn:	David Baumeister		

Analytical Results Report

Sample Location:	Leachate		
Lab/Sample Number:	YFC0620-01	Collect Date:	03/25/25 10:25
Date Received:	03/26/25 15:36	Collected By:	Shaufler/Burke
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	4.45	mg/L	0.200	3/27/25 9:03	DRA	Hach 10206	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Authorized Signature,

Emily Wengrowski for Kathleen Sattler, Lab Manager

PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte

ANATEK LABS

Chain of Custody Record

Anatek La
1282 Alturas Drive, Moscow
504 E Sprague Ste D, Spokane

YFC0620

Due: 04/10/25

Turn Arc

Please refer to
www.an

Company Name: Onsite Environmental (Parametrix)	Project Manager: David Baumeister
Address: 14648 NE 95th Street	Project Name & # : Parametrix DTG Yakima
City: Redmond State: WA Zip: 98052	Purchase Order #:
Phone: 425.883.3881	Sampler Name & Phone: Shaufler / Burke (Parametrix)
Email Address(es): dbaumeister@onsite-env.com	

✓ Normal
__Next Day*
__2nd Day*
__Other*_____

__Phone
__Email

*All rush order requests must have prior approval

List Analyses Requested

Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative: # of Containers	Sample Volume	Nitrate
	~~MW-2S~~ KB		~~H2O~~	~~1~~		~~X~~
	~~MW-3S~~		~~H2O~~	~~1~~		~~X~~
	~~MW-4S~~		~~H2O~~	~~1~~		~~X~~
	~~MW-5S~~		~~H2O~~	~~1~~		~~X~~
	~~MW-6S~~		~~H2O~~	~~1~~		~~X~~
	~~MW-13S~~		~~H2O~~	~~1~~		~~X~~
	~~MW-7D~~		~~H2O~~	~~1~~		~~X~~
	~~MW-8D~~		~~H2O~~	~~1~~		~~X~~
	~~MW-9D~~		~~H2O~~	~~1~~		~~X~~
	~~MW-10D~~		H2O	1		X
	Leachate	3-25-25 10:25	H2O	1		X

Note Special Instructions/Comments

Client Container x1

Inspection Checklist

Received Intact?	Y	N
Labels & Chains Agree?	Y	N
Containers Sealed?	Y	N
No VOC Head ~~Space~~?	Y	N
Cooler?	Y	N
Ice/Ice Packs Present?	Y	N

Temperature (°C): 9.0-0 / 9.2-C Dig16
Number of Containers: 1
Shipped Via: hand
Preservative:
Date & Time: 3/26/25 1536
Inspected By: AA

	Printed Name	Signature	Company	Date	Time
Relinquished by	Katie Bruce		Parametrix	3-26-25	1536
Received by	Ashley Anderson		Anatek	3/26/25	AA 1536
Relinquished by					
Received by					
Relinquished by					
Received by					

Samples submitted to Anatek Labs may be subcontacted to other accredited labs if necessary. This message serves as notice of this possibility. Subcontracted analyses will be clearly noted on the analytical report.

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Parametrix / DTG
Project Number: 553-8472-006
Project Name: Rocky Top Environmental LPL
Project Manager: Laura Lee Lblee@parametrix.com
Sampled by: Shaufler / Burke / Brady

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ■ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 03-357

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	VOCs (8260D – WAC 173-351 Appendix I) Naphthalene; SIM-VC and 1,2-EDB	NWTPH-Gx	NWTPH-Dx	Tot Priority Pollutant Metals +Fe, Mn, Mg	Total Metals (Fe, Mn, Mg)	Dis. Priority Pollutant Metals +Fe, Mn, Mg, Ca, K, Na	Dissolved Metals (Fe, Mn, Mg, Ca, K, Na)	chloride, sulfate	TDS, Alkalinity, Bicarbonate	Ammonia	TOC	PFAS	Dioxins and Furans	Nitrates (Anatek)	% Moisture
1	Leachate	3/25/25	10:23	H2O	13	3	2	1		1			1	1	1	1			1	

	Signature	Company	Date	Time
Relinquished	Mark Burke	Parametrix	3/26/25	12:00
Received	Ian Sutton	delivery express	3/26/25	1335
Relinquished	Ian Sutton	delivery express	3/26/25	1335
Received	Nolan Pull	OSE	3/26/25	1335
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Invoice directly to DTG Recycling
Attn: Ian Sutton, PE
isutton@dtgrecycle.com

P.O. Box 14302 Mill Creek, WA 98082

Chromatograms with final report ☐

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

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

June 20, 2025

Michael Brady
Parametrix, Inc.
719 2nd Avenue, Suite 200
Seattle, WA 98104

Re: Analytical Data for Project 553-8472-006
Laboratory Reference No. 2503-357B

Dear Michael:

Enclosed are the analytical results and associated quality control data for samples submitted on March 26, 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,

David Baumeister
Project Manager

Enclosures

Date of Report: June 20, 2025
Samples Submitted: March 26, 2025
Laboratory Reference: 2503-357B
Project: 553-8472-006

Case Narrative

Samples were collected on March 25, 2025 and received by the laboratory on March 26, 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: June 20, 2025
Samples Submitted: March 26, 2025
Laboratory Reference: 2503-357B
Project: 553-8472-006

TOTAL METALS
EPA 6010D

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Leachate**					
Laboratory ID:	03-357-01					
Calcium	**26000**	1000	EPA 6010D	6-13-25	6-18-25	
Potassium	**1800**	1000	EPA 6010D	6-13-25	6-18-25	
Sodium	**12000**	1000	EPA 6010D	6-13-25	6-18-25	

Date of Report: June 20, 2025
Samples Submitted: March 26, 2025
Laboratory Reference: 2503-357B
Project: 553-8472-006

TOTAL METALS
EPA 6010D
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0613WH1					
Calcium	**ND**	1000	EPA 6010D	6-13-25	6-18-25	
Potassium	**ND**	1000	EPA 6010D	6-13-25	6-18-25	
Sodium	**ND**	1000	EPA 6010D	6-13-25	6-18-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-146-01										
	ORIG	DUP									
Calcium	**30200**	**27300**	NA	NA		NA		NA	10	20	
Potassium	**4990**	**4510**	NA	NA		NA		NA	10	20	
Sodium	**72000**	**68300**	NA	NA		NA		NA	5	20	
MATRIX SPIKES											
Laboratory ID:	06-146-01										
	MS	MSD	MS	MSD		MS	MSD				
Calcium	**49600**	**48700**	20000	20000	30200	**97**	**92**	75-125	2	20	
Potassium	**26400**	**26200**	20000	20000	4990	**107**	**106**	75-125	1	20	
Sodium	**90400**	**88600**	20000	20000	72000	**92**	**83**	75-125	2	20	

OnSite Environmental Inc.

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

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Company: Parametrix / DTG
Project Number: 553-8472-006
Project Name: Rocky Top Environmental LPL
Project Manager: Laura Lee Lblee@parametrix.com
Sampled by: Shaufler / Burke / Brady

Turnaround Request (in working days)

(Check One)

- ☐ Same Day
- ☐ 1 Day
- ☐ 2 Days
- ☐ 3 Days
- ☒ Standard (7 Days) (TPH analysis 5 Days)
- ☐ _____ (other)

Laboratory Number: 03-357

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	VOCs (8260D – WAC 173-351 Appendix I) Naphthalene; SIM-VC and 1,2-EDB	NWTPH-Gx	NWTPH-Dx	Tot Priority Pollutant Metals +Fe, Mn, Mg	Total Metals (Fe, Mn, Mg)	Dis. Priority Pollutant Metals +Fe, Mn, Mg, Ca, K, Na	Dissolved Metals (Fe, Mn, Mg, Ca, K, Na)	chloride, sulfate	TDS, Alkalinity, Bicarbonate	Ammonia	TOC	PFAS	Dioxins and Furans	Nitrates (Anatek)		⊗ Total K, Ca, Na						% Moisture
1	Leachate	3/25/25	10:23	H2O	13	3	2	1		1			1	1	1	1			1		⊗					

	Signature	Company	Date	Time
Relinquished	Mark Burke	Parametrix	3/26/25	12:00
Received	Ian Sutton	delivery express	3/26/25	1335
Relinquished	Ian Sutton	delivery express	3/26/25	1335
Received	Nolan Pull	OSE	3/26/25	1335
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Invoice directly to DTG Recycling
Attn: Ian Sutton, PE
isutton@dtgrecycle.com

P.O. Box 14302 Mill Creek, WA 98082

⊗ Added 4/11/25 NB

Chromatograms with final report ☐

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

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

April 22, 2025

Laura Lee
Parametrix, Inc.
719 2nd Avenue, Suite 200
Seattle, WA 98104

Re: Analytical Data for Project 553-8472-006
Laboratory Reference No. 2504-035

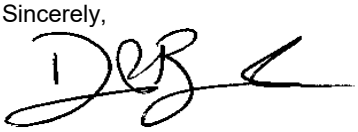
Dear Laura:

Enclosed are the analytical results and associated quality control data for samples submitted on April 2, 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,



David Baumeister
Project Manager

Enclosures

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

Case Narrative

Samples were collected on March 31, 2025 and April 1, 2025 and received by the laboratory on April 2, 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.

Volatiles EPA 8260D Analysis

The percent recovery for 1,2,3-Trichloropropane and 1,2-Dichlorobenzene is outside the control limits in the Matrix Spike Duplicate. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

The RPD for Acetone and Methyl Isobutyl Ketone is outside the control limits for the Matrix Spike/Matrix Spike Duplicate. The percent recoveries on both spike blanks are within recovery limits. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*68-133*				
Toluene-d8	*98*	*79-123*				
4-Bromofluorobenzene	*97*	*78-117*				

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

VOLATILE ORGANICS EPA 8260D/SIM
page 1 of 2

Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*99*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*68-133*				
Toluene-d8	*99*	*79-123*				
4-Bromofluorobenzene	*98*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*98*	*79-123*				
4-Bromofluorobenzene	*98*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*101*	*79-123*				
4-Bromofluorobenzene	*97*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*68-133*				
Toluene-d8	*99*	*79-123*				
4-Bromofluorobenzene	*97*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*68-133*				
Toluene-d8	*99*	*79-123*				
4-Bromofluorobenzene	*99*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*68-133*				
Toluene-d8	*99*	*79-123*				
4-Bromofluorobenzene	*98*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*68-133*				
Toluene-d8	*98*	*79-123*				
4-Bromofluorobenzene	*98*	*78-117*				

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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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Laboratory Reference: 2504-035
Project: 553-8472-006

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*101*	*68-133*				
Toluene-d8	*99*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

Date of Report: April 22, 2025
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blank**					
Laboratory ID:	04-035-11					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blank**					
Laboratory ID:	04-035-11					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*68-133*				
Toluene-d8	*98*	*79-123*				
4-Bromofluorobenzene	*97*	*78-117*				

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
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VOLATILE ORGANICS EPA 8260D/SIM
QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405W2					
Chloromethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Bromomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Chloroethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Acetone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Iodomethane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Carbon Disulfide	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methylene Chloride	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Acrylonitrile	ND	0.50	EPA 8260D	4-5-25	4-5-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Vinyl Acetate	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Butanone	ND	5.0	EPA 8260D	4-5-25	4-5-25	
Bromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Chloroform	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Benzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Trichloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Dibromomethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromodichloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	4-5-25	4-5-25	
Toluene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Tetrachloroethene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
2-Hexanone	ND	2.0	EPA 8260D	4-5-25	4-5-25	

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QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0405W2					
Dibromochloromethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	4-5-25	4-5-25	
Chlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Ethylbenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
m,p-Xylene	ND	0.40	EPA 8260D	4-5-25	4-5-25	
o-Xylene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Styrene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
Bromoform	ND	1.0	EPA 8260D	4-5-25	4-5-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	4-5-25	4-5-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	4-5-25	4-5-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	4-5-25	4-5-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Naphthalene	ND	1.0	EPA 8260D	4-5-25	4-5-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*98*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*98*	*78-117*				

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

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	04-035-04										
	MS	MSD	MS	MSD		MS	MSD				
Chloromethane	**9.03**	**9.79**	10.0	10.0	ND	90	98	36-162	8	19	
Vinyl Chloride	**8.56**	**9.21**	10.0	10.0	ND	86	92	62-121	7	15	
Bromomethane	**9.13**	**9.86**	10.0	10.0	ND	91	99	48-166	8	22	
Chloroethane	**9.21**	**9.91**	10.0	10.0	ND	92	99	62-129	7	14	
Trichlorofluoromethane	**8.70**	**9.36**	10.0	10.0	ND	87	94	77-120	7	16	
1,1-Dichloroethene	**9.37**	**10.1**	10.0	10.0	ND	94	101	76-119	7	15	
Acetone	**10.0**	**12.0**	10.0	10.0	ND	100	120	56-132	18	17	W
Iodomethane	**9.04**	**9.32**	10.0	10.0	ND	90	93	54-121	3	21	
Carbon Disulfide	**8.59**	**8.63**	10.0	10.0	ND	86	86	47-123	0	16	
Methylene Chloride	**8.86**	**10.0**	10.0	10.0	ND	89	100	74-114	12	16	
(trans) 1,2-Dichloroethene	**9.74**	**10.6**	10.0	10.0	ND	97	106	79-120	8	16	
1,1-Dichloroethane	**9.57**	**10.5**	10.0	10.0	ND	96	105	77-122	9	15	
Vinyl Acetate	**8.63**	**10.0**	10.0	10.0	ND	86	100	54-123	15	17	
(cis) 1,2-Dichloroethene	**9.88**	**10.8**	10.0	10.0	ND	99	108	81-128	9	16	
2-Butanone	**9.16**	**10.3**	10.0	10.0	ND	92	103	57-142	12	15	
Bromochloromethane	**10.1**	**11.0**	10.0	10.0	ND	101	110	80-129	9	17	
Chloroform	**9.65**	**10.8**	10.0	10.0	ND	97	108	75-126	11	16	
1,1,1-Trichloroethane	**9.59**	**10.4**	10.0	10.0	ND	96	104	74-126	8	17	
Carbon Tetrachloride	**9.71**	**10.5**	10.0	10.0	ND	97	105	70-128	8	18	
Benzene	**9.53**	**10.5**	10.0	10.0	ND	95	105	76-122	10	16	
1,2-Dichloroethane	**9.72**	**10.9**	10.0	10.0	ND	97	109	70-126	11	17	
Trichloroethene	**10.4**	**11.5**	10.0	10.0	ND	104	115	80-130	10	12	
1,2-Dichloropropane	**10.0**	**11.1**	10.0	10.0	ND	100	111	79-121	10	17	
Dibromomethane	**10.1**	**11.6**	10.0	10.0	ND	101	116	81-122	14	16	
Bromodichloromethane	**10.7**	**12.0**	10.0	10.0	ND	107	120	82-127	11	17	
(cis) 1,3-Dichloropropene	**10.6**	**11.8**	10.0	10.0	ND	106	118	81-128	11	17	
Methyl Isobutyl Ketone	**9.72**	**11.2**	10.0	10.0	ND	97	112	62-130	14	14	W
Toluene	**10.0**	**11.0**	10.0	10.0	ND	100	110	75-124	10	19	
(trans) 1,3-Dichloropropene	**11.0**	**12.2**	10.0	10.0	ND	110	122	71-124	10	18	
1,1,2-Trichloroethane	**10.9**	**12.2**	10.0	10.0	ND	109	122	76-126	11	16	
Tetrachloroethene	**10.9**	**11.9**	10.0	10.0	ND	109	119	84-126	9	19	
2-Hexanone	**9.86**	**11.0**	10.0	10.0	ND	99	110	41-156	11	23	
Dibromochloromethane	**11.6**	**12.7**	10.0	10.0	ND	116	127	74-131	9	18	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
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QUALITY CONTROL
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Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	04-035-04										
	MS	MSD	MS	MSD		MS	MSD				
1,2-Dibromoethane	**10.7**	**12.1**	10.0	10.0	ND	107	121	74-131	12	16	
Chlorobenzene	**10.8**	**11.9**	10.0	10.0	ND	108	119	84-121	10	16	
1,1,1,2-Tetrachloroethane	**11.1**	**12.2**	10.0	10.0	ND	111	122	82-125	9	17	
Ethylbenzene	**10.9**	**11.9**	10.0	10.0	ND	109	119	85-125	9	17	
m,p-Xylene	**21.7**	**23.8**	20.0	20.0	ND	109	119	84-124	9	17	
o-Xylene	**11.0**	**12.1**	10.0	10.0	ND	110	121	84-126	10	17	
Styrene	**11.2**	**12.3**	10.0	10.0	ND	112	123	83-131	9	19	
Bromoform	**10.5**	**11.9**	10.0	10.0	ND	105	119	67-137	13	18	
1,1,2,2-Tetrachloroethane	**10.8**	**12.3**	10.0	10.0	ND	108	123	56-143	13	15	
1,2,3-Trichloropropane	**11.4**	**12.7**	10.0	10.0	ND	114	127	61-125	11	15	V
1,4-Dichlorobenzene	**11.1**	**12.5**	10.0	10.0	ND	111	125	80-126	12	15	
1,2-Dichlorobenzene	**11.6**	**12.9**	10.0	10.0	ND	116	129	79-127	11	16	V
1,2-Dibromo-3-chloropropane	**12.3**	**12.8**	10.0	10.0	ND	123	128	54-143	4	19	
Naphthalene	**10.3**	**11.8**	10.0	10.0	ND	103	118	48-143	14	17	
Surrogate:											
Dibromofluoromethane						*98*	*100*	*68-133*			
Toluene-d8						*100*	*101*	*79-123*			
4-Bromofluorobenzene						*100*	*100*	*78-117*			

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Gasoline	**ND**	100	NWTPH-Gx	4-4-25	4-4-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*61-122*				
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Gasoline	**ND**	100	NWTPH-Gx	4-4-25	4-4-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*86*	*61-122*				
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Gasoline	**ND**	100	NWTPH-Gx	4-4-25	4-4-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*88*	*61-122*				
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Gasoline	**ND**	100	NWTPH-Gx	4-4-25	4-4-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*83*	*61-122*				
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Gasoline	**ND**	100	NWTPH-Gx	4-4-25	4-4-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*85*	*61-122*				
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Gasoline	**ND**	100	NWTPH-Gx	4-4-25	4-4-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*87*	*61-122*				

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

GASOLINE RANGE ORGANICS
NWTPH-Gx
QUALITY CONTROL

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0404W1					
Gasoline	**ND**	100	NWTPH-Gx	4-4-25	4-4-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*80*	*61-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-035-04										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*83*	*78*	*61-122*			
MATRIX SPIKES											
Laboratory ID:	04-035-04										
	MS	MSD	MS	MSD		MS	MSD				
o-Xylene	**5230**	**5250**	5000	5000	ND	**105**	**105**	75-125	0	15	
Surrogate:											
Fluorobenzene						*94*	*91*	*61-122*			

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Laboratory Reference: 2504-035
Project: 553-8472-006

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	4-7-25	4-7-25	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	4-7-25	4-7-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	4-7-25	4-7-25	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	4-7-25	4-7-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*104*	*50-150*				
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	4-7-25	4-7-25	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	4-7-25	4-7-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*96*	*50-150*				
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	4-7-25	4-7-25	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	4-7-25	4-7-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*91*	*50-150*				
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	4-7-25	4-7-25	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	4-7-25	4-7-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*107*	*50-150*				
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	4-7-25	4-7-25	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	4-7-25	4-7-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*96*	*50-150*				

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0407W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	4-7-25	4-7-25 13:02	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	4-7-25	4-7-25 13:02	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-035-04										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	40	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	40	
Surrogate:											
o-Terphenyl						*91*	*92*	*50-150*			

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TOTAL METALS
EPA 200.8/6010D/7470A

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Antimony	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Arsenic	**ND**	0.0033	EPA 200.8	4-8-25	4-8-25	
Beryllium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Cadmium	**ND**	0.0044	EPA 200.8	4-8-25	4-8-25	
Chromium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Copper	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Iron	**ND**	0.056	EPA 6010D	4-8-25	4-10-25	
Lead	**ND**	0.0011	EPA 200.8	4-8-25	4-8-25	
Magnesium	**8.9**	1.1	EPA 6010D	4-8-25	4-10-25	
Manganese	**ND**	0.011	EPA 6010D	4-8-25	4-10-25	
Mercury	**ND**	0.00050	EPA 7470A	4-8-25	4-8-25	
Nickel	**ND**	0.022	EPA 200.8	4-8-25	4-8-25	
Selenium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Silver	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Thallium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Zinc	**ND**	0.028	EPA 200.8	4-8-25	4-8-25	
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Antimony	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Arsenic	**ND**	0.0033	EPA 200.8	4-8-25	4-8-25	
Beryllium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Cadmium	**ND**	0.0044	EPA 200.8	4-8-25	4-8-25	
Chromium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Copper	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Iron	**ND**	0.056	EPA 6010D	4-8-25	4-10-25	
Lead	**ND**	0.0011	EPA 200.8	4-8-25	4-8-25	
Magnesium	**34**	1.1	EPA 6010D	4-8-25	4-10-25	
Manganese	**ND**	0.011	EPA 6010D	4-8-25	4-10-25	
Mercury	**ND**	0.00050	EPA 7470A	4-8-25	4-8-25	
Nickel	**ND**	0.022	EPA 200.8	4-8-25	4-8-25	
Selenium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Silver	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Thallium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Zinc	**ND**	0.028	EPA 200.8	4-8-25	4-8-25	

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TOTAL METALS
EPA 200.8/6010D/7470A

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Antimony	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Arsenic	**ND**	0.0033	EPA 200.8	4-8-25	4-8-25	
Beryllium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Cadmium	**ND**	0.0044	EPA 200.8	4-8-25	4-8-25	
Chromium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Copper	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Iron	**0.057**	0.056	EPA 6010D	4-8-25	4-10-25	
Lead	**ND**	0.0011	EPA 200.8	4-8-25	4-8-25	
Magnesium	**70**	11	EPA 6010D	4-8-25	4-10-25	
Manganese	**ND**	0.011	EPA 6010D	4-8-25	4-10-25	
Mercury	**ND**	0.00050	EPA 7470A	4-8-25	4-8-25	
Nickel	**ND**	0.022	EPA 200.8	4-8-25	4-8-25	
Selenium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Silver	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Thallium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Zinc	**ND**	0.028	EPA 200.8	4-8-25	4-8-25	
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Antimony	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Arsenic	**ND**	0.0033	EPA 200.8	4-8-25	4-8-25	
Beryllium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Cadmium	**ND**	0.0044	EPA 200.8	4-8-25	4-8-25	
Chromium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Copper	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Iron	**0.87**	0.056	EPA 6010D	4-8-25	4-10-25	
Lead	**ND**	0.0011	EPA 200.8	4-8-25	4-8-25	
Magnesium	**24**	1.1	EPA 6010D	4-8-25	4-10-25	
Manganese	**0.14**	0.011	EPA 6010D	4-8-25	4-10-25	
Mercury	**ND**	0.00050	EPA 7470A	4-8-25	4-8-25	
Nickel	**ND**	0.022	EPA 200.8	4-8-25	4-8-25	
Selenium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Silver	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Thallium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Zinc	**ND**	0.028	EPA 200.8	4-8-25	4-8-25	

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TOTAL METALS
EPA 200.8/6010D/7470A

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Antimony	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Arsenic	**ND**	0.0033	EPA 200.8	4-8-25	4-8-25	
Beryllium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Cadmium	**ND**	0.0044	EPA 200.8	4-8-25	4-8-25	
Chromium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Copper	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Iron	**ND**	0.056	EPA 6010D	4-8-25	4-11-25	
Lead	**ND**	0.0011	EPA 200.8	4-8-25	4-8-25	
Magnesium	**29**	1.1	EPA 6010D	4-8-25	4-11-25	
Manganese	**0.018**	0.011	EPA 6010D	4-8-25	4-11-25	
Mercury	**ND**	0.00050	EPA 7470A	4-8-25	4-8-25	
Nickel	**ND**	0.022	EPA 200.8	4-8-25	4-8-25	
Selenium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Silver	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Thallium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Zinc	**ND**	0.028	EPA 200.8	4-8-25	4-8-25	
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Antimony	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Arsenic	**ND**	0.0033	EPA 200.8	4-8-25	4-8-25	
Beryllium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Cadmium	**ND**	0.0044	EPA 200.8	4-8-25	4-8-25	
Chromium	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Copper	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Iron	**ND**	0.056	EPA 6010D	4-8-25	4-10-25	
Lead	**ND**	0.0011	EPA 200.8	4-8-25	4-8-25	
Magnesium	**30**	1.1	EPA 6010D	4-8-25	4-10-25	
Manganese	**0.020**	0.011	EPA 6010D	4-8-25	4-10-25	
Mercury	**ND**	0.00050	EPA 7470A	4-8-25	4-8-25	
Nickel	**ND**	0.022	EPA 200.8	4-8-25	4-8-25	
Selenium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Silver	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Thallium	**ND**	0.0056	EPA 200.8	4-8-25	4-8-25	
Zinc	**ND**	0.028	EPA 200.8	4-8-25	4-8-25	

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TOTAL METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Iron	**0.22**	0.056	EPA 6010D	4-8-25	4-10-25	
Magnesium	**10**	1.1	EPA 6010D	4-8-25	4-10-25	
Manganese	**0.033**	0.011	EPA 6010D	4-8-25	4-10-25	
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Iron	**0.20**	0.056	EPA 6010D	4-8-25	4-10-25	
Magnesium	**18**	1.1	EPA 6010D	4-8-25	4-10-25	
Manganese	**0.013**	0.011	EPA 6010D	4-8-25	4-10-25	
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Iron	**0.88**	0.056	EPA 6010D	4-8-25	4-10-25	
Magnesium	**18**	1.1	EPA 6010D	4-8-25	4-10-25	
Manganese	**0.34**	0.011	EPA 6010D	4-8-25	4-10-25	
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Iron	**ND**	0.056	EPA 6010D	4-8-25	4-10-25	
Magnesium	**11**	1.1	EPA 6010D	4-8-25	4-10-25	
Manganese	**ND**	0.011	EPA 6010D	4-8-25	4-10-25	

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TOTAL METALS
EPA 200.8/6010D/7470A
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408WM1					
Antimony	**ND**	0.0022	EPA 200.8	4-8-25	4-8-25	
Arsenic	**ND**	0.0013	EPA 200.8	4-8-25	4-8-25	
Beryllium	**ND**	0.0044	EPA 200.8	4-8-25	4-8-25	
Cadmium	**ND**	0.0018	EPA 200.8	4-8-25	4-8-25	
Chromium	**ND**	0.0044	EPA 200.8	4-8-25	4-8-25	
Copper	**ND**	0.0044	EPA 200.8	4-8-25	4-8-25	
Lead	**ND**	0.00044	EPA 200.8	4-8-25	4-8-25	
Nickel	**ND**	0.0089	EPA 200.8	4-8-25	4-8-25	
Selenium	**ND**	0.0022	EPA 200.8	4-8-25	4-8-25	
Silver	**ND**	0.0044	EPA 200.8	4-8-25	4-8-25	
Thallium	**ND**	0.0022	EPA 200.8	4-8-25	4-8-25	
Zinc	**ND**	0.011	EPA 200.8	4-8-25	4-8-25	
Laboratory ID:	MB0408WM1					
Iron	**ND**	0.056	EPA 6010D	4-8-25	4-10-25	
Magnesium	**ND**	1.1	EPA 6010D	4-8-25	4-10-25	
Manganese	**ND**	0.011	EPA 6010D	4-8-25	4-10-25	
Laboratory ID:	MB0408W1					
Mercury	**ND**	0.00050	EPA 7470A	4-8-25	4-8-25	

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TOTAL METALS
EPA 200.8/6010D/7470A
QUALITY CONTROL

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-035-04										
	ORIG	DUP									
Antimony	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Arsenic	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Beryllium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Cadmium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Chromium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Copper	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Lead	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Nickel	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Selenium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Silver	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Thallium	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Zinc	**ND**	**ND**	NA	NA		NA		NA	NA	20	
Laboratory ID:	04-035-04										
Iron	**0.866**	**0.855**	NA	NA		NA		NA	1	20	
Magnesium	**24.1**	**24.0**	NA	NA		NA		NA	1	20	
Manganese	**0.143**	**0.144**	NA	NA		NA		NA	1	20	
Laboratory ID:	04-035-04										
Mercury	**ND**	**ND**	NA	NA		NA		NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	04-035-04										
	MS	MSD	MS	MSD		MS	MSD				
Antimony	**0.229**	**0.213**	0.222	0.222	ND	**103**	**96**	75-125	7	20	
Arsenic	**0.234**	**0.212**	0.222	0.222	ND	**105**	**96**	75-125	10	20	
Beryllium	**0.223**	**0.210**	0.222	0.222	ND	**100**	**95**	75-125	6	20	
Cadmium	**0.223**	**0.205**	0.222	0.222	ND	**100**	**92**	75-125	8	20	
Chromium	**0.218**	**0.202**	0.222	0.222	ND	**98**	**91**	75-125	8	20	
Copper	**0.215**	**0.197**	0.222	0.222	ND	**97**	**89**	75-125	9	20	
Lead	**0.217**	**0.201**	0.222	0.222	ND	**98**	**91**	75-125	8	20	
Nickel	**0.217**	**0.201**	0.222	0.222	ND	**98**	**91**	75-125	8	20	
Selenium	**0.246**	**0.215**	0.222	0.222	ND	**111**	**97**	75-125	13	20	
Silver	**0.207**	**0.195**	0.222	0.222	ND	**93**	**88**	75-125	6	20	
Thallium	**0.218**	**0.203**	0.222	0.222	ND	**98**	**92**	75-125	7	20	
Zinc	**0.234**	**0.210**	0.222	0.222	ND	**106**	**95**	75-125	11	20	
Laboratory ID:	04-035-04										
Iron	**23.3**	**24.0**	22.2	22.2	0.866	**101**	**104**	75-125	3	20	
Magnesium	**44.1**	**44.7**	22.2	22.2	24.1	**90**	**93**	75-125	1	20	
Manganese	**0.362**	**0.368**	0.222	0.222	0.143	**99**	**101**	75-125	2	20	
Laboratory ID:	04-035-04										
Mercury	**0.00618**	**0.00608**	0.00625	0.00625	ND	**99**	**97**	75-125	2	20	

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DISSOLVED METALS
EPA 200.8/6010D/7470A

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Antimony	**ND**	0.0050	EPA 200.8		4-8-25	
Arsenic	**ND**	0.0030	EPA 200.8		4-8-25	
Beryllium	**ND**	0.010	EPA 200.8		4-8-25	
Cadmium	**ND**	0.0040	EPA 200.8		4-8-25	
Calcium	**14**	1.1	EPA 6010D		4-9-25	
Chromium	**ND**	0.010	EPA 200.8		4-8-25	
Copper	**ND**	0.010	EPA 200.8		4-8-25	
Iron	**ND**	0.056	EPA 6010D		4-9-25	
Lead	**ND**	0.0010	EPA 200.8		4-8-25	
Magnesium	**9.3**	1.1	EPA 6010D		4-9-25	
Manganese	**ND**	0.011	EPA 6010D		4-9-25	
Mercury	**ND**	0.00050	EPA 7470A		4-8-25	
Nickel	**ND**	0.020	EPA 200.8		4-8-25	
Potassium	**2.6**	1.1	EPA 6010D		4-9-25	
Selenium	**ND**	0.0050	EPA 200.8		4-8-25	
Silver	**ND**	0.010	EPA 200.8		4-8-25	
Sodium	**10**	1.1	EPA 6010D		4-9-25	
Thallium	**ND**	0.0050	EPA 200.8		4-8-25	
Zinc	**ND**	0.025	EPA 200.8		4-8-25	

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Project: 553-8472-006

DISSOLVED METALS
EPA 200.8/6010D/7470A

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Antimony	**ND**	0.0050	EPA 200.8		4-8-25	
Arsenic	**ND**	0.0030	EPA 200.8		4-8-25	
Beryllium	**ND**	0.010	EPA 200.8		4-8-25	
Cadmium	**ND**	0.0040	EPA 200.8		4-8-25	
Calcium	**52**	1.1	EPA 6010D		4-9-25	
Chromium	**ND**	0.010	EPA 200.8		4-8-25	
Copper	**ND**	0.010	EPA 200.8		4-8-25	
Iron	**ND**	0.056	EPA 6010D		4-9-25	
Lead	**ND**	0.0010	EPA 200.8		4-8-25	
Magnesium	**36**	1.1	EPA 6010D		4-9-25	
Manganese	**ND**	0.011	EPA 6010D		4-9-25	
Mercury	**ND**	0.00050	EPA 7470A		4-8-25	
Nickel	**ND**	0.020	EPA 200.8		4-8-25	
Potassium	**4.2**	1.1	EPA 6010D		4-9-25	
Selenium	**ND**	0.0050	EPA 200.8		4-8-25	
Silver	**ND**	0.010	EPA 200.8		4-8-25	
Sodium	**21**	1.1	EPA 6010D		4-9-25	
Thallium	**ND**	0.0050	EPA 200.8		4-8-25	
Zinc	**ND**	0.025	EPA 200.8		4-8-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

DISSOLVED METALS
EPA 200.8/6010D/7470A

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Antimony	**ND**	0.0050	EPA 200.8		4-8-25	
Arsenic	**ND**	0.0030	EPA 200.8		4-8-25	
Beryllium	**ND**	0.010	EPA 200.8		4-8-25	
Cadmium	**ND**	0.0040	EPA 200.8		4-8-25	
Calcium	**100**	10	EPA 6010D		4-9-25	
Chromium	**ND**	0.010	EPA 200.8		4-8-25	
Copper	**ND**	0.010	EPA 200.8		4-8-25	
Iron	**ND**	0.056	EPA 6010D		4-9-25	
Lead	**ND**	0.0010	EPA 200.8		4-8-25	
Magnesium	**72**	10	EPA 6010D		4-9-25	
Manganese	**ND**	0.011	EPA 6010D		4-9-25	
Mercury	**ND**	0.00050	EPA 7470A		4-8-25	
Nickel	**ND**	0.020	EPA 200.8		4-8-25	
Potassium	**6.3**	1.1	EPA 6010D		4-9-25	
Selenium	**ND**	0.0050	EPA 200.8		4-8-25	
Silver	**ND**	0.010	EPA 200.8		4-8-25	
Sodium	**25**	1.1	EPA 6010D		4-9-25	
Thallium	**ND**	0.0050	EPA 200.8		4-8-25	
Zinc	**ND**	0.025	EPA 200.8		4-8-25	

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DISSOLVED METALS
EPA 200.8/6010D/7470A

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Antimony	**ND**	0.0050	EPA 200.8		4-8-25	
Arsenic	**ND**	0.0030	EPA 200.8		4-8-25	
Beryllium	**ND**	0.010	EPA 200.8		4-8-25	
Cadmium	**ND**	0.0040	EPA 200.8		4-8-25	
Calcium	**35**	1.1	EPA 6010D		4-9-25	
Chromium	**ND**	0.010	EPA 200.8		4-8-25	
Copper	**ND**	0.010	EPA 200.8		4-8-25	
Iron	**0.37**	0.056	EPA 6010D		4-9-25	
Lead	**ND**	0.0010	EPA 200.8		4-8-25	
Magnesium	**23**	1.1	EPA 6010D		4-9-25	
Manganese	**0.096**	0.011	EPA 6010D		4-9-25	
Mercury	**ND**	0.00050	EPA 7470A		4-8-25	
Nickel	**ND**	0.020	EPA 200.8		4-8-25	
Potassium	**3.1**	1.1	EPA 6010D		4-9-25	
Selenium	**ND**	0.0050	EPA 200.8		4-8-25	
Silver	**ND**	0.010	EPA 200.8		4-8-25	
Sodium	**19**	1.1	EPA 6010D		4-9-25	
Thallium	**ND**	0.0050	EPA 200.8		4-8-25	
Zinc	**ND**	0.025	EPA 200.8		4-8-25	

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DISSOLVED METALS
EPA 200.8/6010D/7470A

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Antimony	**ND**	0.0050	EPA 200.8		4-8-25	
Arsenic	**ND**	0.0030	EPA 200.8		4-8-25	
Beryllium	**ND**	0.010	EPA 200.8		4-8-25	
Cadmium	**ND**	0.0040	EPA 200.8		4-8-25	
Calcium	**48**	1.1	EPA 6010D		4-9-25	
Chromium	**ND**	0.010	EPA 200.8		4-8-25	
Copper	**ND**	0.010	EPA 200.8		4-8-25	
Iron	**ND**	0.056	EPA 6010D		4-9-25	
Lead	**ND**	0.0010	EPA 200.8		4-8-25	
Magnesium	**32**	1.1	EPA 6010D		4-9-25	
Manganese	**ND**	0.011	EPA 6010D		4-9-25	
Mercury	**ND**	0.00050	EPA 7470A		4-8-25	
Nickel	**ND**	0.020	EPA 200.8		4-8-25	
Potassium	**3.9**	1.1	EPA 6010D		4-9-25	
Selenium	**ND**	0.0050	EPA 200.8		4-8-25	
Silver	**ND**	0.010	EPA 200.8		4-8-25	
Sodium	**18**	1.1	EPA 6010D		4-9-25	
Thallium	**ND**	0.0050	EPA 200.8		4-8-25	
Zinc	**ND**	0.025	EPA 200.8		4-8-25	

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DISSOLVED METALS
EPA 200.8/6010D/7470A

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Antimony	**ND**	0.0050	EPA 200.8		4-8-25	
Arsenic	**ND**	0.0030	EPA 200.8		4-8-25	
Beryllium	**ND**	0.010	EPA 200.8		4-8-25	
Cadmium	**ND**	0.0040	EPA 200.8		4-8-25	
Calcium	**48**	1.1	EPA 6010D		4-9-25	
Chromium	**ND**	0.010	EPA 200.8		4-8-25	
Copper	**ND**	0.010	EPA 200.8		4-8-25	
Iron	**ND**	0.056	EPA 6010D		4-9-25	
Lead	**ND**	0.0010	EPA 200.8		4-8-25	
Magnesium	**32**	1.1	EPA 6010D		4-9-25	
Manganese	**ND**	0.011	EPA 6010D		4-9-25	
Mercury	**ND**	0.00050	EPA 7470A		4-8-25	
Nickel	**ND**	0.020	EPA 200.8		4-8-25	
Potassium	**4.2**	1.1	EPA 6010D		4-9-25	
Selenium	**ND**	0.0050	EPA 200.8		4-8-25	
Silver	**ND**	0.010	EPA 200.8		4-8-25	
Sodium	**18**	1.1	EPA 6010D		4-9-25	
Thallium	**ND**	0.0050	EPA 200.8		4-8-25	
Zinc	**ND**	0.025	EPA 200.8		4-8-25	
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Calcium	**15**	1.1	EPA 6010D		4-9-25	
Iron	**0.21**	0.056	EPA 6010D		4-9-25	
Magnesium	**11**	1.1	EPA 6010D		4-9-25	
Manganese	**0.033**	0.011	EPA 6010D		4-9-25	
Potassium	**2.3**	1.1	EPA 6010D		4-9-25	
Sodium	**12**	1.1	EPA 6010D		4-9-25	

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DISSOLVED METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Calcium	**28**	1.1	EPA 6010D		4-9-25	
Iron	**ND**	0.056	EPA 6010D		4-9-25	
Magnesium	**19**	1.1	EPA 6010D		4-9-25	
Manganese	**ND**	0.011	EPA 6010D		4-9-25	
Potassium	**2.7**	1.1	EPA 6010D		4-9-25	
Sodium	**21**	1.1	EPA 6010D		4-9-25	
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Calcium	**31**	1.1	EPA 6010D		4-9-25	
Iron	**0.69**	0.056	EPA 6010D		4-9-25	
Magnesium	**19**	1.1	EPA 6010D		4-9-25	
Manganese	**0.32**	0.011	EPA 6010D		4-9-25	
Potassium	**1.8**	1.1	EPA 6010D		4-9-25	
Sodium	**26**	1.1	EPA 6010D		4-9-25	
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Calcium	**20**	1.1	EPA 6010D		4-9-25	
Iron	**ND**	0.056	EPA 6010D		4-9-25	
Magnesium	**12**	1.1	EPA 6010D		4-9-25	
Manganese	**ND**	0.011	EPA 6010D		4-9-25	
Potassium	**2.2**	1.1	EPA 6010D		4-9-25	
Sodium	**15**	1.1	EPA 6010D		4-9-25	

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DISSOLVED METALS
EPA 200.8/6010D/7470A
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408D1					
Antimony	**ND**	0.0050	EPA 200.8		4-8-25	
Arsenic	**ND**	0.0030	EPA 200.8		4-8-25	
Beryllium	**ND**	0.010	EPA 200.8		4-8-25	
Cadmium	**ND**	0.0040	EPA 200.8		4-8-25	
Chromium	**ND**	0.010	EPA 200.8		4-8-25	
Copper	**ND**	0.010	EPA 200.8		4-8-25	
Lead	**ND**	0.0010	EPA 200.8		4-8-25	
Nickel	**ND**	0.020	EPA 200.8		4-8-25	
Selenium	**ND**	0.0050	EPA 200.8		4-8-25	
Silver	**ND**	0.010	EPA 200.8		4-8-25	
Thallium	**ND**	0.0050	EPA 200.8		4-8-25	
Zinc	**ND**	0.025	EPA 200.8		4-8-25	
Laboratory ID:	MB0409D1					
Calcium	**ND**	1.1	EPA 6010D		4-9-25	
Iron	**ND**	0.056	EPA 6010D		4-9-25	
Magnesium	**ND**	1.1	EPA 6010D		4-9-25	
Manganese	**ND**	0.011	EPA 6010D		4-9-25	
Potassium	**ND**	1.1	EPA 6010D		4-9-25	
Sodium	**ND**	1.1	EPA 6010D		4-9-25	
Laboratory ID:	MB0408D1					
Mercury	**ND**	0.00050	EPA 7470A		4-8-25	

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DISSOLVED METALS
EPA 200.8/6010D/7470A
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	04-035-04									
	ORIG	DUP								
Antimony	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Arsenic	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Beryllium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Cadmium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Chromium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Copper	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Lead	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Nickel	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Selenium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Silver	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Thallium	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Zinc	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Laboratory ID:	04-035-04									
Calcium	**34.5**	**34.7**	NA	NA		NA	NA	1	20	
Iron	**0.370**	**0.368**	NA	NA		NA	NA	0	20	
Magnesium	**22.9**	**23.2**	NA	NA		NA	NA	1	20	
Manganese	**0.0957**	**0.0963**	NA	NA		NA	NA	1	20	
Potassium	**3.11**	**3.07**	NA	NA		NA	NA	1	20	
Sodium	**19.3**	**19.3**	NA	NA		NA	NA	0	20	
Laboratory ID:	04-035-04									
Mercury	**ND**	**ND**	NA	NA		NA	NA	NA	20	

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DISSOLVED METALS
EPA 200.8/6010D/7470A
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	04-035-04										
	MS	MSD	MS	MSD		MS	MSD				
Antimony	**0.0855**	**0.0854**	0.0800	0.0800	ND	**107**	**107**	75-125	0	20	
Arsenic	**0.0849**	**0.0850**	0.0800	0.0800	ND	**106**	**106**	75-125	0	20	
Beryllium	**0.0824**	**0.0813**	0.0800	0.0800	ND	**103**	**102**	75-125	1	20	
Cadmium	**0.0826**	**0.0837**	0.0800	0.0800	ND	**103**	**105**	75-125	1	20	
Chromium	**0.0723**	**0.0723**	0.0800	0.0800	ND	**90**	**90**	75-125	0	20	
Copper	**0.0709**	**0.0725**	0.0800	0.0800	ND	**89**	**91**	75-125	2	20	
Lead	**0.0806**	**0.0817**	0.0800	0.0800	ND	**101**	**102**	75-125	1	20	
Nickel	**0.0698**	**0.0711**	0.0800	0.0800	ND	**87**	**89**	75-125	2	20	
Selenium	**0.187**	**0.195**	0.200	0.200	ND	**93**	**98**	75-125	4	20	
Silver	**0.0651**	**0.0655**	0.0800	0.0800	ND	**81**	**82**	75-125	1	20	
Thallium	**0.0798**	**0.0810**	0.0800	0.0800	ND	**100**	**101**	75-125	1	20	
Zinc	**0.0915**	**0.0935**	0.0800	0.0800	ND	**114**	**117**	75-125	2	20	
Laboratory ID:	04-035-04										
Calcium	**57.4**	**57.1**	22.2	22.2	34.5	**103**	**102**	75-125	1	20	
Iron	**25.2**	**25.4**	22.2	22.2	0.370	**112**	**113**	75-125	1	20	
Magnesium	**45.2**	**45.5**	22.2	22.2	22.9	**100**	**102**	75-125	1	20	
Manganese	**0.704**	**0.711**	0.556	0.556	0.0957	**109**	**111**	75-125	1	20	
Potassium	**29.1**	**29.3**	22.2	22.2	3.11	**117**	**118**	75-125	1	20	
Sodium	**43.0**	**43.1**	22.2	22.2	19.3	**107**	**107**	75-125	0	20	
Laboratory ID:	04-035-04										
Mercury	**0.00595**	**0.00600**	0.00625	0.00625	ND	**95**	**96**	75-125	1	20	

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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Chloride	**2.7**	2.0	SM 4500-Cl E	4-4-25	4-4-25	
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Chloride	**68**	2.0	SM 4500-Cl E	4-4-25	4-4-25	
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Chloride	**49**	2.0	SM 4500-Cl E	4-4-25	4-4-25	
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Chloride	**26**	2.0	SM 4500-Cl E	4-4-25	4-4-25	
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Chloride	**62**	2.0	SM 4500-Cl E	4-4-25	4-4-25	
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Chloride	**64**	2.0	SM 4500-Cl E	4-4-25	4-4-25	
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Chloride	**3.7**	2.0	SM 4500-Cl E	4-4-25	4-4-25	
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Chloride	**16**	2.0	SM 4500-Cl E	4-4-25	4-4-25	
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Chloride	**41**	2.0	SM 4500-Cl E	4-4-25	4-4-25	

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CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Chloride	**3.7**	2.0	SM 4500-Cl E	4-4-25	4-4-25	

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CHLORIDE
SM 4500-Cl E
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0404W1					
Chloride	**ND**	2.0	SM 4500-Cl E	4-4-25	4-4-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-035-04										
	ORIG	DUP									
Chloride	**25.6**	**26.0**	NA		NA	NA		NA	2	21	
MATRIX SPIKES											
Laboratory ID:	04-035-04										
	MS	MSD	MS	MSD		MS	MSD				
Chloride	**73.4**	**75.2**	50.0	50.0	25.6	96	99	81-115	2	20	
SPIKE BLANK											
Laboratory ID:	SB0404W1										
	SB		SB			SB					
Chloride	**48.2**		50.0		NA	96		77-115	NA	NA	

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Project: 553-8472-006

SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Sulfate	**ND**	5.0	ASTM D516-11	4-10-25	4-10-25	
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Sulfate	**75**	25	ASTM D516-11	4-10-25	4-10-25	
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Sulfate	**100**	50	ASTM D516-11	4-10-25	4-10-25	
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Sulfate	**79**	20	ASTM D516-11	4-10-25	4-10-25	
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Sulfate	**51**	20	ASTM D516-11	4-10-25	4-10-25	
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Sulfate	**54**	20	ASTM D516-11	4-10-25	4-10-25	
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Sulfate	**ND**	5.0	ASTM D516-11	4-10-25	4-10-25	
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Sulfate	**57**	20	ASTM D516-11	4-10-25	4-10-25	
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Sulfate	**49**	20	ASTM D516-11	4-10-25	4-10-25	

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Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Sulfate	**11**	5.0	ASTM D516-11	4-10-25	4-10-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

SULFATE
ASTM D516-11
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0410W1					
Sulfate	**ND**	5.0	ASTM D516-11	4-10-25	4-10-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-035-04										
	ORIG	DUP									
Sulfate	**78.8**	**80.4**	NA		NA	NA		NA	2	11	
MATRIX SPIKES											
Laboratory ID:	04-035-04										
	MS	MSD	MS	MSD		MS	MSD				
Sulfate	**185**	**179**	100.0	100.0	78.8	106	100	69-134	3	20	
SPIKE BLANK											
Laboratory ID:	SB0410W1										
	SB		SB			SB					
Sulfate	**9.59**		10.0		NA	96		81-106	NA	NA	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

TOTAL DISSOLVED SOLIDS
SM 2540C

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Total Dissolved Solids	**160**	13	SM 2540C	4-4-25	4-4-25	
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Total Dissolved Solids	**420**	13	SM 2540C	4-4-25	4-4-25	
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Total Dissolved Solids	**710**	13	SM 2540C	4-4-25	4-4-25	
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Total Dissolved Solids	**330**	13	SM 2540C	4-4-25	4-4-25	
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Total Dissolved Solids	**390**	13	SM 2540C	4-4-25	4-4-25	
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Total Dissolved Solids	**430**	13	SM 2540C	4-4-25	4-4-25	
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Total Dissolved Solids	**160**	13	SM 2540C	4-4-25	4-4-25	
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Total Dissolved Solids	**260**	13	SM 2540C	4-4-25	4-4-25	
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Total Dissolved Solids	**290**	13	SM 2540C	4-4-25	4-4-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

TOTAL DISSOLVED SOLIDS
SM 2540C

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Total Dissolved Solids	**180**	13	SM 2540C	4-4-25	4-4-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

TOTAL DISSOLVED SOLIDS
SM 2540C
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0404W1					
Total Dissolved Solids	**ND**	13	SM 2540C	4-4-25	4-4-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	04-035-04								
	ORIG	DUP							
Total Dissolved Solids	**331**	**323**	NA	NA	NA	NA	2	29	
SPIKE BLANK									
Laboratory ID:	SB0404W1								
	SB		SB		SB				
Total Dissolved Solids	**431**		500	NA	86	76-120	NA	NA	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Total Alkalinity	**78**	2.0	SM 2320B	4-8-25	4-8-25	
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Total Alkalinity	**94**	2.0	SM 2320B	4-8-25	4-8-25	
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Total Alkalinity	**160**	2.0	SM 2320B	4-8-25	4-8-25	
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Total Alkalinity	**100**	2.0	SM 2320B	4-8-25	4-8-25	
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Total Alkalinity	**86**	2.0	SM 2320B	4-8-25	4-8-25	
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Total Alkalinity	**86**	2.0	SM 2320B	4-8-25	4-8-25	
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Total Alkalinity	**94**	2.0	SM 2320B	4-8-25	4-8-25	
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Total Alkalinity	**92**	2.0	SM 2320B	4-8-25	4-8-25	
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Total Alkalinity	**100**	2.0	SM 2320B	4-8-25	4-8-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Total Alkalinity	**94**	2.0	SM 2320B	4-8-25	4-8-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

TOTAL ALKALINITY
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408W1					
Total Alkalinity	**ND**	2.0	SM 2320B	4-8-25	4-8-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-035-04										
	ORIG	DUP									
Total Alkalinity	**104**	**102**	NA		NA	NA		NA	2	10	
MATRIX SPIKES											
Laboratory ID:	04-035-04										
	MS	MSD	MS	MSD		MS	MSD				
Total Alkalinity	**184**	**184**	100	100	104	80	80	80-120	0	20	
SPIKE BLANK											
Laboratory ID:	SB0408W1										
	SB		SB			SB					
Total Alkalinity	**94.0**		100		NA	94		82-101	NA	NA	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

BICARBONATE
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Bicarbonate	**78**	2.0	SM 2320B	4-10-25	4-10-25	
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Bicarbonate	**94**	2.0	SM 2320B	4-10-25	4-10-25	
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Bicarbonate	**160**	2.0	SM 2320B	4-10-25	4-10-25	
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Bicarbonate	**100**	2.0	SM 2320B	4-10-25	4-10-25	
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Bicarbonate	**86**	2.0	SM 2320B	4-10-25	4-10-25	
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Bicarbonate	**86**	2.0	SM 2320B	4-10-25	4-10-25	
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Bicarbonate	**94**	2.0	SM 2320B	4-10-25	4-10-25	
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Bicarbonate	**92**	2.0	SM 2320B	4-10-25	4-10-25	
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Bicarbonate	**100**	2.0	SM 2320B	4-10-25	4-10-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

BICARBONATE
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Bicarbonate	**94**	2.0	SM 2320B	4-10-25	4-10-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

BICARBONATE
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0408W1					
Bicarbonate	**ND**	2.0	SM 2320B	4-10-25	4-10-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-035-04										
	ORIG	DUP									
Bicarbonate	**104**	**102**	NA		NA	NA		NA	2	10	
MATRIX SPIKES											
Laboratory ID:	04-035-04										
	MS	MSD	MS	MSD		MS	MSD				
Bicarbonate	**184**	**184**	100	100	104	80	80	80-120	0	20	
SPIKE BLANK											
Laboratory ID:	SB0408W1										
	SB		SB			SB					
Bicarbonate	**94.0**		100		NA	94		82-101	NA	NA	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

AMMONIA (as Nitrogen)
SM 4500-NH_3 D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

AMMONIA (as Nitrogen)
SM 4500-NH_3 D

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

AMMONIA (as Nitrogen)
SM 4500-NH_3 D
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0411W1					
Ammonia	**ND**	0.053	SM 4500-NH3 D	4-11-25	4-11-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	04-035-04								
	ORIG	DUP							
Ammonia	**ND**	**ND**	NA	NA	NA	NA	NA	15	
MATRIX SPIKE									
Laboratory ID:	04-035-04								
	MS		MS		MS				
Ammonia	**5.18**		5.00	ND	104	75-111	NA	NA	
MATRIX SPIKES									
Laboratory ID:	04-035-04								
	MS	MSD	MS	MSD		MS	MSD				
Ammonia	**5.18**	**5.23**	5.00	5.00	ND	104	105	75-111	1	20	
SPIKE BLANK									
Laboratory ID:	SB0411W1								
	SB		SB		SB				
Ammonia	**4.93**		5.00	NA	99	81-110	NA	NA	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

TOTAL ORGANIC CARBON
SM 5310B

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	04-035-01					
Total Organic Carbon	**ND**	1.0	SM 5310B	4-9-25	4-9-25	
Client ID:	**MW-3S**					
Laboratory ID:	04-035-02					
Total Organic Carbon	**3.0**	1.0	SM 5310B	4-9-25	4-9-25	
Client ID:	**MW-4S**					
Laboratory ID:	04-035-03					
Total Organic Carbon	**5.0**	1.0	SM 5310B	4-9-25	4-9-25	
Client ID:	**MW-5S**					
Laboratory ID:	04-035-04					
Total Organic Carbon	**ND**	1.0	SM 5310B	4-9-25	4-9-25	
Client ID:	**MW-6S**					
Laboratory ID:	04-035-05					
Total Organic Carbon	**3.0**	1.0	SM 5310B	4-9-25	4-9-25	
Client ID:	**MW-13S**					
Laboratory ID:	04-035-06					
Total Organic Carbon	**3.1**	1.0	SM 5310B	4-9-25	4-9-25	
Client ID:	**MW-7D**					
Laboratory ID:	04-035-07					
Total Organic Carbon	**ND**	1.0	SM 5310B	4-9-25	4-9-25	
Client ID:	**MW-8D**					
Laboratory ID:	04-035-08					
Total Organic Carbon	**ND**	1.0	SM 5310B	4-9-25	4-9-25	
Client ID:	**MW-9D**					
Laboratory ID:	04-035-09					
Total Organic Carbon	**3.1**	1.0	SM 5310B	4-9-25	4-9-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

TOTAL ORGANIC CARBON
SM 5310B

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	04-035-10					
Total Organic Carbon	**ND**	1.0	SM 5310B	4-9-25	4-9-25	

Date of Report: April 22, 2025
Samples Submitted: April 2, 2025
Laboratory Reference: 2504-035
Project: 553-8472-006

TOTAL ORGANIC CARBON
SM 5310B
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0409W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	4-9-25	4-9-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-035-04										
	ORIG	DUP									
Total Organic Carbon	**ND**	**ND**	NA		NA	NA		NA	NA	11	
MATRIX SPIKES											
Laboratory ID:	04-035-04										
	MS	MSD	MS	MSD		MS	MSD				
Total Organic Carbon	**11.2**	**10.8**	10.0	10.0	ND	112	108	85-120	4	20	
SPIKE BLANK											
Laboratory ID:	SB0409W1										
	SB		SB			SB					
Total Organic Carbon	**9.99**		10.0		NA	100		79-120	NA	NA	

OnSite Environmental Inc.

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

April 17, 2025 Service Request No:K2503482

Nichelle Biffin
Onsite Environmental Incorporated
14648 Northeast 95th Street
Redmond, WA 98052

Laboratory Results for: PFAS-1633

Dear Nichelle,

Enclosed are the results of the sample(s) submitted to our laboratory April 04, 2025
For your reference, these analyses have been assigned our service request number **K2503482.**

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 3376. You may also contact me via email at Mark.Harris@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Mark Harris
Project Manager

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ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: Onsite Environmental Incorporated
Project: PFAS-1633
Sample Matrix: Water

Service Request: K2503482
Date Received: 04/04/2025

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Six water samples were received for analysis at ALS Environmental on 04/04/2025. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

General Chemistry:

No significant anomalies were noted with this analysis.

Organic LC:

Method 1633, 04/10/2025: The upper control criterion was exceeded for one or more analytes in several Continuing Calibration Verifications (CCVs). The field samples analyzed in this sequence did not contain the analyte in question. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required.

The control criteria were exceeded for one or more isotopes in several Continuing Calibration Verifications (CCVs). The recovery of the associated native analyte was within control criteria, which indicated the analysis was in control, or were biased high, as noted above. No further corrective action was appropriate.

Method 1633, 04/10/2025: Manual integration of one or more chromatographic peaks in multiple samples was required to correct the integration performed by the automated data processing program. The manual integration was performed in accordance with ALS policy, which is consistent with the National Environmental Laboratory Accreditation Program (NELAP), Department of Defense (DOD), and other certifying agencies. Refer to the raw data for the compounds impacted by the manual integration.

Method 1633, 04/10/2025: The results reported for n-Methylperfluorooctane sulfonamide (MeFOSA) in Low Level Lab Control Sample (LCS_LL) KQ2505161-07 may contain a bias. The ion ratio criteria were not met. The failing ratio may indicate a bias to the results in the associated samples. The analyte in question was not detected in the associated field samples. The data quality was not significantly affected. The LCS_LL results were flagged with “I” to indicate the issue.

Approved by _____ Date 04/17/2025

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-3S	Lab ID: K2503482-002					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Perfluorobutane sulfonic acid (PFBS)	9.6		0.43	4.3	ng/L	Draft EPA Method 1633
Perfluorobutanoic acid (PFBA)	27		0.86	4.3	ng/L	Draft EPA Method 1633
Perfluoroheptanoic acid (PFHpA)	13		0.71	4.3	ng/L	Draft EPA Method 1633
Perfluorohexane sulfonic acid (PFHxS)	3.9	J	0.82	4.3	ng/L	Draft EPA Method 1633
Perfluorohexanoic acid (PFHxA)	25		0.63	4.3	ng/L	Draft EPA Method 1633
Perfluorooctane sulfonic acid (PFOS)	2.5	J	0.83	4.3	ng/L	Draft EPA Method 1633
Perfluorooctanoic acid (PFOA)	15		0.87	4.3	ng/L	Draft EPA Method 1633
Perfluoropentane sulfonic acid (PFPeS)	1.8	J	0.89	4.3	ng/L	Draft EPA Method 1633
Perfluoropentanoic acid (PFPeA)	42		0.64	4.3	ng/L	Draft EPA Method 1633

CLIENT ID: MW-4S	Lab ID: K2503482-003					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Perfluorobutane sulfonic acid (PFBS)	4.2	J	0.43	4.6	ng/L	Draft EPA Method 1633
Perfluorobutanoic acid (PFBA)	31		0.86	4.6	ng/L	Draft EPA Method 1633
Perfluoroheptanoic acid (PFHpA)	9.0		0.71	4.6	ng/L	Draft EPA Method 1633
Perfluorohexane sulfonic acid (PFHxS)	0.84	J	0.82	4.6	ng/L	Draft EPA Method 1633
Perfluorohexanoic acid (PFHxA)	19		0.63	4.6	ng/L	Draft EPA Method 1633
Perfluorooctanoic acid (PFOA)	3.2	J	0.87	4.6	ng/L	Draft EPA Method 1633
Perfluoropentanoic acid (PFPeA)	25		0.64	4.6	ng/L	Draft EPA Method 1633

CLIENT ID: MW-5S	Lab ID: K2503482-004					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Perfluorobutane sulfonic acid (PFBS)	4.3		0.43	4.3	ng/L	Draft EPA Method 1633
Perfluorobutanoic acid (PFBA)	47		0.86	4.3	ng/L	Draft EPA Method 1633
Perfluoroheptanoic acid (PFHpA)	1.2	J	0.71	4.3	ng/L	Draft EPA Method 1633
Perfluorohexanoic acid (PFHxA)	11		0.63	4.3	ng/L	Draft EPA Method 1633
Perfluoropentanoic acid (PFPeA)	21		0.64	4.3	ng/L	Draft EPA Method 1633

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-6S			Lab ID: K2503482-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Perfluorobutane sulfonic acid (PFBS)	6.3		0.43	4.7	ng/L	Draft EPA Method 1633
Perfluorobutanoic acid (PFBA)	9.5		0.86	4.7	ng/L	Draft EPA Method 1633
Perfluorohexane sulfonic acid (PFHxS)	1.1	J	0.82	4.7	ng/L	Draft EPA Method 1633
Perfluorohexanoic acid (PFHxA)	4.7	J	0.63	4.7	ng/L	Draft EPA Method 1633
Perfluoropentane sulfonic acid (PFPeS)	1.1	J	0.89	4.7	ng/L	Draft EPA Method 1633
Perfluoropentanoic acid (PFPeA)	8.1		0.64	4.7	ng/L	Draft EPA Method 1633

CLIENT ID: MW-13S			Lab ID: K2503482-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Perfluorobutane sulfonic acid (PFBS)	6.9		0.43	4.5	ng/L	Draft EPA Method 1633
Perfluorobutanoic acid (PFBA)	9.6		0.86	4.5	ng/L	Draft EPA Method 1633
Perfluorohexane sulfonic acid (PFHxS)	1.0	J	0.82	4.5	ng/L	Draft EPA Method 1633
Perfluorohexanoic acid (PFHxA)	4.9		0.63	4.5	ng/L	Draft EPA Method 1633
Perfluoropentane sulfonic acid (PFPeS)	1.0	J	0.89	4.5	ng/L	Draft EPA Method 1633
Perfluoropentanoic acid (PFPeA)	7.9		0.64	4.5	ng/L	Draft EPA Method 1633

Sample Receipt Information

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: Onsite Environmental Incorporated **Service Request:**K2503482
Project: PFAS-1633/553-8472-006

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
K2503482-001	MW-2S	4/1/2025	1153
K2503482-002	MW-3S	3/31/2025	1424
K2503482-003	MW-4S	4/1/2025	0955
K2503482-004	MW-5S	3/31/2025	1223
K2503482-005	MW-6S	4/1/2025	1455
K2503482-006	MW-13S	4/1/2025	0900

K2503482

OnSite Environmental Inc.

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

Laboratory Reference #: 04-035

Laboratory: ALS Environmental

Attention: Mark Harris

1317 South 13th Avenue, Kelso, WA 98626

Phone Number: (360) 577-7222

Turnaround Request

1 Day | 2 Day | 3 Day

Standard

Other: _____

Project Manager: David Baumeister

email: dbaumeister@onsite-env.com

Project Number: 553-8472-006

Project Name: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
	MW-2S	4/1/25	11:53	W	3	PFAS
	MW-3S	3/31/25	14:24	W	3	PFAS
	MW-4S	4/1/25	9:55	W	3	PFAS
	MW-5S	3/31/25	12:23	W	3	PFAS
	MW-6S	4/1/25	14:55	W	3	PFAS
	MW-13S	4/1/25	9:00	W	3	PFAS

Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by: Nichille Bates	OSE	4/6/25	1500	
Received by:	ALS	4/4/25	0910	
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

Cooler Receipt and Preservation Form

PM MH

Client OnSite Service Request K25 03482

Received: 4/4/25 Opened: 4/4/25 By: VM Unloaded: 4/4/25 By: VM

1. Samples were received via? *USPS* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other*_____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? _____
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Temp Blank	Sample Temp	IR Gun	Cooler #/COC ID / NA	Out of temp Indicate with "X"	PM Notified If out of temp	Tracking Number NA	Filed
	1.7	IR06				1Z684E1W1598 0606 8276	

4. Was a Temperature Blank present in cooler? NA Y N If yes, notate the temperature in the appropriate column below:
   If no, take the temperature of a representative sample bottle contained within the cooler; notate in the column "Sample Temp":
5. Were samples received within the method specified temperature ranges? NA Y N
   If no, were they received on ice and same day as collected? If not, notate the cooler # below and notify the PM. NA Y N

If applicable, tissue samples were received: *Frozen* *Partially Thawed* *Thawed*

6. Packing material: *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Dry Ice* *Sleeves* paper
7. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
8. Were samples received in good condition (unbroken) NA Y N
9. Were all sample labels complete (ie, analysis, preservation, etc.)? NA Y N
10. Did all sample labels and tags agree with custody papers? NA Y N
11. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
12. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
13. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
14. Was C12/Res negative? NA Y N
15. Were samples received within method specified time limit? If not, notate the error below and notify the PM. NA Y N
16. Were 100mL sterile microbiology bottles filled exactly to the 100mL mark? NA Y N Underfilled Overfilled

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, Resolutions: _____

Q:\ENVIRONMENTAL\1 SOP & Policy Statements\SMO\CRF Update 2025-02-28.docx Updated: BJD 2/28/25

Miscellaneous Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.
H	The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

#	The control limit criteria is not applicable.
J	The result is an estimated value.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimated value over the calibration range.
J	The result is an estimated value between the MDL and the MRL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.2 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses

Agency	Web Site	Number
Alaska DEH	http://dec.alaska.gov/eh/lab/cs/csapproval.htm	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2795
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L16-58-R4
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Hawaii DOH	http://health.hawaii.gov/	-
ISO 17025	http://www.pjlabs.com/	L16-57
Louisiana DEQ	http://www.deq.louisiana.gov/page/la-lab-accreditation	03016
Maine DHS	http://www.maine.gov/dhhs/	WA01276
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA01276
New Jersey DEP	http://www.nj.gov/dep/enforcement/oqa.html	WA005
New York - DOH	https://www.wadsworth.org/regulatory/elap	12060
North Carolina DEQ	https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch/non-field-lab-certification	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA100010
South Carolina DHEC	http://www.scdhec.gov/environment/EnvironmentalLabCertification/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704427
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C544
Wyoming (EPA Region 8)	https://www.epa.gov/region8-waterops/epa-region-8-certified-drinking-water-	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.
Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/anlayte is offered by that state.

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Onsite Environmental Incorporated **Service Request:** K2503482
Project: PFAS-1633/553-8472-006

Sample Name: MW-2S **Date Collected:** 04/1/25
Lab Code: K2503482-001 **Date Received:** 04/4/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
1633	LILLIANSMITH	PSALYARDS
1633	ASERVICE	PSALYARDS

Sample Name: MW-3S **Date Collected:** 03/31/25
Lab Code: K2503482-002 **Date Received:** 04/4/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
1633	ASERVICE	PSALYARDS
1633	LILLIANSMITH	PSALYARDS

Sample Name: MW-3S **Date Collected:** 03/31/25
Lab Code: K2503482-002.R01 **Date Received:** 04/4/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
1633	LILLIANSMITH	PSALYARDS

Sample Name: MW-4S **Date Collected:** 04/1/25
Lab Code: K2503482-003 **Date Received:** 04/4/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
1633	ASERVICE	PSALYARDS
1633	LILLIANSMITH	PSALYARDS
SM 2540 D Modified		AWILSON

Client: Onsite Environmental Incorporated **Service Request:** K2503482
Project: PFAS-1633/553-8472-006

Sample Name: MW-5S **Date Collected:** 03/31/25
Lab Code: K2503482-004 **Date Received:** 04/4/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
1633	ASERVICE	PSALYARDS
1633	LILLIANSMITH	PSALYARDS
SM 2540 D Modified		AWILSON

Sample Name: MW-6S **Date Collected:** 04/1/25
Lab Code: K2503482-005 **Date Received:** 04/4/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
1633	LILLIANSMITH	PSALYARDS
1633	ASERVICE	PSALYARDS

Sample Name: MW-13S **Date Collected:** 04/1/25
Lab Code: K2503482-006 **Date Received:** 04/4/25
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
1633	ASERVICE	PSALYARDS
1633	LILLIANSMITH	PSALYARDS
SM 2540 D Modified		AWILSON

Sample Results

ALS Environmental—Kelso Laboratory
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Organic Compounds by HPLC/MS/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 11:53
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-2S	**Units:**	ng/L
Lab Code:	K2503482-001	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFSAs)								
Perfluorobutane sulfonic acid (PFBS)	ND U	4.4	1.8	0.43	1	04/10/25 20:44	4/8/25	
Perfluoropentane sulfonic acid (PFPeS)	ND U	4.4	1.9	0.89	1	04/10/25 20:44	4/8/25	*
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.4	1.8	0.82	1	04/10/25 20:44	4/8/25	*
Perfluoroheptane sulfonic acid (PFHpS)	ND U	4.4	1.9	0.69	1	04/10/25 20:44	4/8/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.4	1.9	0.83	1	04/10/25 20:44	4/8/25	
Perfluorononane sulfonic acid (PFNS)	ND U	4.4	1.9	0.33	1	04/10/25 20:44	4/8/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	4.4	1.9	0.67	1	04/10/25 20:44	4/8/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	4.4	1.9	0.56	1	04/10/25 20:44	4/8/25	*
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	ND U	4.4	2.0	0.86	1	04/10/25 20:44	4/8/25	
Perfluoropentanoic acid (PFPeA)	ND U	4.4	2.0	0.64	1	04/10/25 20:44	4/8/25	
Perfluorohexanoic acid (PFHxA)	ND U	4.4	2.0	0.63	1	04/10/25 20:44	4/8/25	
Perfluoroheptanoic acid (PFHpA)	ND U	4.4	2.0	0.71	1	04/10/25 20:44	4/8/25	
Perfluorooctanoic acid (PFOA)	ND U	4.4	2.0	0.87	1	04/10/25 20:44	4/8/25	
Perfluorononanoic acid (PFNA)	ND U	4.4	2.0	0.75	1	04/10/25 20:44	4/8/25	
Perfluorodecanoic acid (PFDA)	ND U	4.4	2.0	0.60	1	04/10/25 20:44	4/8/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.4	2.0	0.82	1	04/10/25 20:44	4/8/25	
Perfluorododecanoic acid (PFDOA)	ND U	4.4	2.0	0.61	1	04/10/25 20:44	4/8/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.4	2.0	0.46	1	04/10/25 20:44	4/8/25	*
Perfluorotetradecanoic acid (PFTDA)	ND U	4.4	3.0	1.3	1	04/10/25 20:44	4/8/25	*
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	4.4	2.0	0.72	1	04/10/25 20:44	4/8/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	4.4	3.0	1.2	1	04/10/25 20:44	4/8/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	4.4	2.0	0.85	1	04/10/25 20:44	4/8/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	4.4	2.0	0.82	1	04/10/25 20:44	4/8/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	4.4	2.0	0.92	1	04/10/25 20:44	4/8/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	4.4	2.0	0.91	1	04/10/25 20:44	4/8/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	4.4	2.0	0.95	1	04/10/25 20:44	4/8/25	*

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 11:53
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-2S	**Units:**	ng/L
Lab Code:	K2503482-001	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	4.4	1.9	0.42	1	04/10/25 20:44	4/8/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	4.4	2.9	1.3	1	04/10/25 20:44	4/8/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	4.4	1.9	0.86	1	04/10/25 20:44	4/8/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	170	20	6.8	1	04/10/25 20:44	4/8/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	170	20	4.2	1	04/10/25 20:44	4/8/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	170	20	6.0	1	04/10/25 20:44	4/8/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	4.4	1.8	0.43	1	04/10/25 20:44	4/8/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	4.4	1.9	0.45	1	04/10/25 20:44	4/8/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	4.4	1.9	0.39	1	04/10/25 20:44	4/8/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	4.4	2.0	0.41	1	04/10/25 20:44	4/8/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	4.4	2.0	0.54	1	04/10/25 20:44	4/8/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	4.4	2.0	0.41	1	04/10/25 20:44	4/8/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	4.4	2.0	0.58	1	04/10/25 20:44	4/8/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	4.4	1.9	0.36	1	04/10/25 20:44	4/8/25	

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 11:53
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-2S	**Units:**	ng/L
Lab Code:	K2503482-001	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	105	40 - 135	04/10/25 20:44	
13C3-PFHxS	82	40 - 130	04/10/25 20:44	
13C8-PFOS	85	40 - 130	04/10/25 20:44	
13C4-PFBA	100	5 - 130	04/10/25 20:44	
13C5-PFPeA	110	40 - 130	04/10/25 20:44	
13C5-PFHxA	99	40 - 130	04/10/25 20:44	
13C4-PFHpA	96	40 - 130	04/10/25 20:44	
13C8-PFOA	93	40 - 130	04/10/25 20:44	
13C9-PFNA	96	40 - 130	04/10/25 20:44	
13C6-PFDA	94	40 - 130	04/10/25 20:44	
13C7-PFUnDA	129	30 - 130	04/10/25 20:44	
13C2-PFDoDA	85	10 - 130	04/10/25 20:44	
13C2-PFTeDA	52	10 - 130	04/10/25 20:44	
13C8-FOSA	65	40 - 130	04/10/25 20:44	
D3-MeFOSA	90	10 - 130	04/10/25 20:44	
D5-EtFOSA	66	10 - 130	04/10/25 20:44	
D7-MeFOSE	64	10 - 130	04/10/25 20:44	
D9-EtFOSE	61	10 - 130	04/10/25 20:44	
D3-MeFOSAA	71	40 - 170	04/10/25 20:44	
D5-EtFOSAA	73	25 - 135	04/10/25 20:44	
13C2-4:2 FTS	136	40 - 200	04/10/25 20:44	
13C2-6:2 FTS	93	40 - 200	04/10/25 20:44	
13C2-8:2 FTS	104	40 - 300	04/10/25 20:44	
13C3-HFPO-DA	87	40 - 130	04/10/25 20:44	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	03/31/25 14:24
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-3S	**Units:**	ng/L
Lab Code:	K2503482-002	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFSAs)								
Perfluorobutane sulfonic acid (PFBS)	**9.6**	4.3	1.8	0.43	1	04/10/25 21:07	4/8/25	
Perfluoropentane sulfonic acid (PFPeS)	**1.8 J**	4.3	1.9	0.89	1	04/16/25 06:57	4/8/25	
Perfluorohexane sulfonic acid (PFHxS)	**3.9 J**	4.3	1.8	0.82	1	04/16/25 06:57	4/8/25	
Perfluoroheptane sulfonic acid (PFHpS)	ND U	4.3	1.9	0.69	1	04/10/25 21:07	4/8/25	
Perfluorooctane sulfonic acid (PFOS)	**2.5 J**	4.3	1.9	0.83	1	04/10/25 21:07	4/8/25	
Perfluorononane sulfonic acid (PFNS)	ND U	4.3	1.9	0.33	1	04/10/25 21:07	4/8/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	4.3	1.9	0.67	1	04/10/25 21:07	4/8/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	4.3	1.9	0.56	1	04/10/25 21:07	4/8/25	*
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	**27**	4.3	2.0	0.86	1	04/10/25 21:07	4/8/25	
Perfluoropentanoic acid (PFPeA)	**42**	4.3	2.0	0.64	1	04/10/25 21:07	4/8/25	
Perfluorohexanoic acid (PFHxA)	**25**	4.3	2.0	0.63	1	04/10/25 21:07	4/8/25	
Perfluoroheptanoic acid (PFHpA)	**13**	4.3	2.0	0.71	1	04/10/25 21:07	4/8/25	
Perfluorooctanoic acid (PFOA)	**15**	4.3	2.0	0.87	1	04/10/25 21:07	4/8/25	
Perfluorononanoic acid (PFNA)	ND U	4.3	2.0	0.75	1	04/10/25 21:07	4/8/25	
Perfluorodecanoic acid (PFDA)	ND U	4.3	2.0	0.60	1	04/10/25 21:07	4/8/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.3	2.0	0.82	1	04/10/25 21:07	4/8/25	
Perfluorododecanoic acid (PFDOA)	ND U	4.3	2.0	0.61	1	04/10/25 21:07	4/8/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.3	2.0	0.46	1	04/10/25 21:07	4/8/25	*
Perfluorotetradecanoic acid (PFTDA)	ND U	4.3	3.0	1.3	1	04/10/25 21:07	4/8/25	*
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	4.3	2.0	0.72	1	04/10/25 21:07	4/8/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	4.3	3.0	1.2	1	04/10/25 21:07	4/8/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	4.3	2.0	0.85	1	04/10/25 21:07	4/8/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	4.3	2.0	0.82	1	04/10/25 21:07	4/8/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	4.3	2.0	0.92	1	04/10/25 21:07	4/8/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	4.3	2.0	0.91	1	04/10/25 21:07	4/8/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	4.3	2.0	0.95	1	04/10/25 21:07	4/8/25	*

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	03/31/25 14:24
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-3S	**Units:**	ng/L
Lab Code:	K2503482-002	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	4.3	1.9	0.42	1	04/10/25 21:07	4/8/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	4.3	2.9	1.3	1	04/10/25 21:07	4/8/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	4.3	1.9	0.86	1	04/10/25 21:07	4/8/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	170	20	6.8	1	04/10/25 21:07	4/8/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	170	20	4.2	1	04/10/25 21:07	4/8/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	170	20	6.0	1	04/10/25 21:07	4/8/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	4.3	1.8	0.43	1	04/10/25 21:07	4/8/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	4.3	1.9	0.45	1	04/10/25 21:07	4/8/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	4.3	1.9	0.39	1	04/10/25 21:07	4/8/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	4.3	2.0	0.41	1	04/10/25 21:07	4/8/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	4.3	2.0	0.54	1	04/10/25 21:07	4/8/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	4.3	2.0	0.41	1	04/10/25 21:07	4/8/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	4.3	2.0	0.58	1	04/10/25 21:07	4/8/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	4.3	1.9	0.36	1	04/10/25 21:07	4/8/25	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	03/31/25 14:24
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-3S	**Units:**	ng/L
Lab Code:	K2503482-002	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	108	40 - 135	04/10/25 21:07	
13C3-PFHxS	130	40 - 130	04/16/25 06:57	
13C8-PFOS	82	40 - 130	04/10/25 21:07	
13C4-PFBA	97	5 - 130	04/10/25 21:07	
13C5-PFPeA	112	40 - 130	04/10/25 21:07	
13C5-PFHxA	111	40 - 130	04/10/25 21:07	
13C4-PFHpA	101	40 - 130	04/10/25 21:07	
13C8-PFOA	84	40 - 130	04/10/25 21:07	
13C9-PFNA	95	40 - 130	04/10/25 21:07	
13C6-PFDA	97	40 - 130	04/10/25 21:07	
13C7-PFUnDA	116	30 - 130	04/10/25 21:07	
13C2-PFDoDA	72	10 - 130	04/10/25 21:07	
13C2-PFTeDA	45	10 - 130	04/10/25 21:07	
13C8-FOSA	73	40 - 130	04/10/25 21:07	
D3-MeFOSA	84	10 - 130	04/10/25 21:07	
D5-EtFOSA	68	10 - 130	04/10/25 21:07	
D7-MeFOSE	68	10 - 130	04/10/25 21:07	
D9-EtFOSE	66	10 - 130	04/10/25 21:07	
D3-MeFOSAA	67	40 - 170	04/10/25 21:07	
D5-EtFOSAA	78	25 - 135	04/10/25 21:07	
13C2-4:2 FTS	133	40 - 200	04/10/25 21:07	
13C2-6:2 FTS	95	40 - 200	04/10/25 21:07	
13C2-8:2 FTS	85	40 - 300	04/10/25 21:07	
13C3-HFPO-DA	90	40 - 130	04/10/25 21:07	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 09:55
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-4S	**Units:**	ng/L
Lab Code:	K2503482-003	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFSAs)								
Perfluorobutane sulfonic acid (PFBS)	**4.2 J**	4.6	1.8	0.43	1	04/10/25 21:31	4/8/25	
Perfluoropentane sulfonic acid (PFPeS)	ND U	4.6	1.9	0.89	1	04/10/25 21:31	4/8/25	*
Perfluorohexane sulfonic acid (PFHxS)	**0.84 J**	4.6	1.8	0.82	1	04/10/25 21:31	4/8/25	*
Perfluoroheptane sulfonic acid (PFHpS)	ND U	4.6	1.9	0.69	1	04/10/25 21:31	4/8/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.6	1.9	0.83	1	04/10/25 21:31	4/8/25	
Perfluorononane sulfonic acid (PFNS)	ND U	4.6	1.9	0.33	1	04/10/25 21:31	4/8/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	4.6	1.9	0.67	1	04/10/25 21:31	4/8/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	4.6	1.9	0.56	1	04/10/25 21:31	4/8/25	*
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	**31**	4.6	2.0	0.86	1	04/10/25 21:31	4/8/25	
Perfluoropentanoic acid (PFPeA)	**25**	4.6	2.0	0.64	1	04/10/25 21:31	4/8/25	
Perfluorohexanoic acid (PFHxA)	**19**	4.6	2.0	0.63	1	04/10/25 21:31	4/8/25	
Perfluoroheptanoic acid (PFHpA)	**9.0**	4.6	2.0	0.71	1	04/10/25 21:31	4/8/25	
Perfluorooctanoic acid (PFOA)	**3.2 J**	4.6	2.0	0.87	1	04/10/25 21:31	4/8/25	
Perfluorononanoic acid (PFNA)	ND U	4.6	2.0	0.75	1	04/10/25 21:31	4/8/25	
Perfluorodecanoic acid (PFDA)	ND U	4.6	2.0	0.60	1	04/10/25 21:31	4/8/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.6	2.0	0.82	1	04/10/25 21:31	4/8/25	
Perfluorododecanoic acid (PFDOA)	ND U	4.6	2.0	0.61	1	04/10/25 21:31	4/8/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.6	2.0	0.46	1	04/10/25 21:31	4/8/25	*
Perfluorotetradecanoic acid (PFTDA)	ND U	4.6	3.0	1.3	1	04/10/25 21:31	4/8/25	*
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	4.6	2.0	0.72	1	04/10/25 21:31	4/8/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	4.6	3.0	1.2	1	04/10/25 21:31	4/8/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	4.6	2.0	0.85	1	04/10/25 21:31	4/8/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	4.6	2.0	0.82	1	04/10/25 21:31	4/8/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	4.6	2.0	0.92	1	04/10/25 21:31	4/8/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	4.6	2.0	0.91	1	04/10/25 21:31	4/8/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	4.6	2.0	0.95	1	04/10/25 21:31	4/8/25	*

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 09:55
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-4S	**Units:**	ng/L
Lab Code:	K2503482-003	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	4.6	1.9	0.42	1	04/10/25 21:31	4/8/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	4.6	2.9	1.3	1	04/10/25 21:31	4/8/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	4.6	1.9	0.86	1	04/10/25 21:31	4/8/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	190	20	6.8	1	04/10/25 21:31	4/8/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	190	20	4.2	1	04/10/25 21:31	4/8/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	190	20	6.0	1	04/10/25 21:31	4/8/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	4.6	1.8	0.43	1	04/10/25 21:31	4/8/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	4.6	1.9	0.45	1	04/10/25 21:31	4/8/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	4.6	1.9	0.39	1	04/10/25 21:31	4/8/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	4.6	2.0	0.41	1	04/10/25 21:31	4/8/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	4.6	2.0	0.54	1	04/10/25 21:31	4/8/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	4.6	2.0	0.41	1	04/10/25 21:31	4/8/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	4.6	2.0	0.58	1	04/10/25 21:31	4/8/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	4.6	1.9	0.36	1	04/10/25 21:31	4/8/25	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 09:55
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-4S	**Units:**	ng/L
Lab Code:	K2503482-003	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	101	40 - 135	04/10/25 21:31	
13C3-PFHxS	82	40 - 130	04/10/25 21:31	
13C8-PFOS	73	40 - 130	04/10/25 21:31	
13C4-PFBA	98	5 - 130	04/10/25 21:31	
13C5-PFPeA	97	40 - 130	04/10/25 21:31	
13C5-PFHxA	101	40 - 130	04/10/25 21:31	
13C4-PFHpA	86	40 - 130	04/10/25 21:31	
13C8-PFOA	91	40 - 130	04/10/25 21:31	
13C9-PFNA	96	40 - 130	04/10/25 21:31	
13C6-PFDA	102	40 - 130	04/10/25 21:31	
13C7-PFUnDA	108	30 - 130	04/10/25 21:31	
13C2-PFDoDA	71	10 - 130	04/10/25 21:31	
13C2-PFTeDA	46	10 - 130	04/10/25 21:31	
13C8-FOSA	65	40 - 130	04/10/25 21:31	
D3-MeFOSA	78	10 - 130	04/10/25 21:31	
D5-EtFOSA	62	10 - 130	04/10/25 21:31	
D7-MeFOSE	62	10 - 130	04/10/25 21:31	
D9-EtFOSE	59	10 - 130	04/10/25 21:31	
D3-MeFOSAA	65	40 - 170	04/10/25 21:31	
D5-EtFOSAA	67	25 - 135	04/10/25 21:31	
13C2-4:2 FTS	121	40 - 200	04/10/25 21:31	
13C2-6:2 FTS	96	40 - 200	04/10/25 21:31	
13C2-8:2 FTS	84	40 - 300	04/10/25 21:31	
13C3-HFPO-DA	86	40 - 130	04/10/25 21:31	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	03/31/25 12:23
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-5S	**Units:**	ng/L
Lab Code:	K2503482-004	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFSAs)								
Perfluorobutane sulfonic acid (PFBS)	**4.3**	4.3	1.8	0.43	1	04/10/25 21:55	4/8/25	
Perfluoropentane sulfonic acid (PFPeS)	ND U	4.3	1.9	0.89	1	04/10/25 21:55	4/8/25	*
Perfluorohexane sulfonic acid (PFHxS)	ND U	4.3	1.8	0.82	1	04/10/25 21:55	4/8/25	*
Perfluoroheptane sulfonic acid (PFHpS)	ND U	4.3	1.9	0.69	1	04/10/25 21:55	4/8/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.3	1.9	0.83	1	04/10/25 21:55	4/8/25	
Perfluorononane sulfonic acid (PFNS)	ND U	4.3	1.9	0.33	1	04/10/25 21:55	4/8/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	4.3	1.9	0.67	1	04/10/25 21:55	4/8/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	4.3	1.9	0.56	1	04/10/25 21:55	4/8/25	*
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	**47**	4.3	2.0	0.86	1	04/10/25 21:55	4/8/25	
Perfluoropentanoic acid (PFPeA)	**21**	4.3	2.0	0.64	1	04/10/25 21:55	4/8/25	
Perfluorohexanoic acid (PFHxA)	**11**	4.3	2.0	0.63	1	04/10/25 21:55	4/8/25	
Perfluoroheptanoic acid (PFHpA)	**1.2 J**	4.3	2.0	0.71	1	04/10/25 21:55	4/8/25	
Perfluorooctanoic acid (PFOA)	ND U	4.3	2.0	0.87	1	04/10/25 21:55	4/8/25	
Perfluorononanoic acid (PFNA)	ND U	4.3	2.0	0.75	1	04/10/25 21:55	4/8/25	
Perfluorodecanoic acid (PFDA)	ND U	4.3	2.0	0.60	1	04/10/25 21:55	4/8/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.3	2.0	0.82	1	04/10/25 21:55	4/8/25	
Perfluorododecanoic acid (PFDOA)	ND U	4.3	2.0	0.61	1	04/10/25 21:55	4/8/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.3	2.0	0.46	1	04/10/25 21:55	4/8/25	*
Perfluorotetradecanoic acid (PFTDA)	ND U	4.3	3.0	1.3	1	04/10/25 21:55	4/8/25	*
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	4.3	2.0	0.72	1	04/10/25 21:55	4/8/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	4.3	3.0	1.2	1	04/10/25 21:55	4/8/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	4.3	2.0	0.85	1	04/10/25 21:55	4/8/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	4.3	2.0	0.82	1	04/10/25 21:55	4/8/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	4.3	2.0	0.92	1	04/10/25 21:55	4/8/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	4.3	2.0	0.91	1	04/10/25 21:55	4/8/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	4.3	2.0	0.95	1	04/10/25 21:55	4/8/25	*

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	03/31/25 12:23
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-5S	**Units:**	ng/L
Lab Code:	K2503482-004	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	4.3	1.9	0.42	1	04/10/25 21:55	4/8/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	4.3	2.9	1.3	1	04/10/25 21:55	4/8/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	4.3	1.9	0.86	1	04/10/25 21:55	4/8/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	170	20	6.8	1	04/10/25 21:55	4/8/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	170	20	4.2	1	04/10/25 21:55	4/8/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	170	20	6.0	1	04/10/25 21:55	4/8/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	4.3	1.8	0.43	1	04/10/25 21:55	4/8/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	4.3	1.9	0.45	1	04/10/25 21:55	4/8/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	4.3	1.9	0.39	1	04/10/25 21:55	4/8/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	4.3	2.0	0.41	1	04/10/25 21:55	4/8/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	4.3	2.0	0.54	1	04/10/25 21:55	4/8/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	4.3	2.0	0.41	1	04/10/25 21:55	4/8/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	4.3	2.0	0.58	1	04/10/25 21:55	4/8/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	4.3	1.9	0.36	1	04/10/25 21:55	4/8/25	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	03/31/25 12:23
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-5S	**Units:**	ng/L
Lab Code:	K2503482-004	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	112	40 - 135	04/10/25 21:55	
13C3-PFHxS	84	40 - 130	04/10/25 21:55	
13C8-PFOS	76	40 - 130	04/10/25 21:55	
13C4-PFBA	97	5 - 130	04/10/25 21:55	
13C5-PFPeA	104	40 - 130	04/10/25 21:55	
13C5-PFHxA	102	40 - 130	04/10/25 21:55	
13C4-PFHpA	97	40 - 130	04/10/25 21:55	
13C8-PFOA	82	40 - 130	04/10/25 21:55	
13C9-PFNA	93	40 - 130	04/10/25 21:55	
13C6-PFDA	91	40 - 130	04/10/25 21:55	
13C7-PFUnDA	126	30 - 130	04/10/25 21:55	
13C2-PFDoDA	75	10 - 130	04/10/25 21:55	
13C2-PFTeDA	46	10 - 130	04/10/25 21:55	
13C8-FOSA	69	40 - 130	04/10/25 21:55	
D3-MeFOSA	83	10 - 130	04/10/25 21:55	
D5-EtFOSA	67	10 - 130	04/10/25 21:55	
D7-MeFOSE	63	10 - 130	04/10/25 21:55	
D9-EtFOSE	62	10 - 130	04/10/25 21:55	
D3-MeFOSAA	63	40 - 170	04/10/25 21:55	
D5-EtFOSAA	75	25 - 135	04/10/25 21:55	
13C2-4:2 FTS	123	40 - 200	04/10/25 21:55	
13C2-6:2 FTS	106	40 - 200	04/10/25 21:55	
13C2-8:2 FTS	88	40 - 300	04/10/25 21:55	
13C3-HFPO-DA	88	40 - 130	04/10/25 21:55	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 14:55
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-6S	**Units:**	ng/L
Lab Code:	K2503482-005	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFSAs)								
Perfluorobutane sulfonic acid (PFBS)	**6.3**	4.7	1.8	0.43	1	04/10/25 22:18	4/8/25	
Perfluoropentane sulfonic acid (PFPeS)	**1.1 J**	4.7	1.9	0.89	1	04/10/25 22:18	4/8/25	*
Perfluorohexane sulfonic acid (PFHxS)	**1.1 J**	4.7	1.8	0.82	1	04/10/25 22:18	4/8/25	*
Perfluoroheptane sulfonic acid (PFHpS)	ND U	4.7	1.9	0.69	1	04/10/25 22:18	4/8/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.7	1.9	0.83	1	04/10/25 22:18	4/8/25	
Perfluorononane sulfonic acid (PFNS)	ND U	4.7	1.9	0.33	1	04/10/25 22:18	4/8/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	4.7	1.9	0.67	1	04/10/25 22:18	4/8/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	4.7	1.9	0.56	1	04/10/25 22:18	4/8/25	*
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	**9.5**	4.7	2.0	0.86	1	04/10/25 22:18	4/8/25	
Perfluoropentanoic acid (PFPeA)	**8.1**	4.7	2.0	0.64	1	04/10/25 22:18	4/8/25	
Perfluorohexanoic acid (PFHxA)	**4.7 J**	4.7	2.0	0.63	1	04/10/25 22:18	4/8/25	
Perfluoroheptanoic acid (PFHpA)	ND U	4.7	2.0	0.71	1	04/10/25 22:18	4/8/25	
Perfluorooctanoic acid (PFOA)	ND U	4.7	2.0	0.87	1	04/10/25 22:18	4/8/25	
Perfluorononanoic acid (PFNA)	ND U	4.7	2.0	0.75	1	04/10/25 22:18	4/8/25	
Perfluorodecanoic acid (PFDA)	ND U	4.7	2.0	0.60	1	04/10/25 22:18	4/8/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.7	2.0	0.82	1	04/10/25 22:18	4/8/25	
Perfluorododecanoic acid (PFDOA)	ND U	4.7	2.0	0.61	1	04/10/25 22:18	4/8/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.7	2.0	0.46	1	04/10/25 22:18	4/8/25	*
Perfluorotetradecanoic acid (PFTDA)	ND U	4.7	3.0	1.3	1	04/10/25 22:18	4/8/25	*
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	4.7	2.0	0.72	1	04/10/25 22:18	4/8/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	4.7	3.0	1.2	1	04/10/25 22:18	4/8/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	4.7	2.0	0.85	1	04/10/25 22:18	4/8/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	4.7	2.0	0.82	1	04/10/25 22:18	4/8/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	4.7	2.0	0.92	1	04/10/25 22:18	4/8/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	4.7	2.0	0.91	1	04/10/25 22:18	4/8/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	4.7	2.0	0.95	1	04/10/25 22:18	4/8/25	*

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 14:55
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-6S	**Units:**	ng/L
Lab Code:	K2503482-005	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	4.7	1.9	0.42	1	04/10/25 22:18	4/8/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	4.7	2.9	1.3	1	04/10/25 22:18	4/8/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	4.7	1.9	0.86	1	04/10/25 22:18	4/8/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	190	20	6.8	1	04/10/25 22:18	4/8/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	190	20	4.2	1	04/10/25 22:18	4/8/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	190	20	6.0	1	04/10/25 22:18	4/8/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	4.7	1.8	0.43	1	04/10/25 22:18	4/8/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	4.7	1.9	0.45	1	04/10/25 22:18	4/8/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	4.7	1.9	0.39	1	04/10/25 22:18	4/8/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	4.7	2.0	0.41	1	04/10/25 22:18	4/8/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	4.7	2.0	0.54	1	04/10/25 22:18	4/8/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	4.7	2.0	0.41	1	04/10/25 22:18	4/8/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	4.7	2.0	0.58	1	04/10/25 22:18	4/8/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	4.7	1.9	0.36	1	04/10/25 22:18	4/8/25	

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 14:55
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-6S	**Units:**	ng/L
Lab Code:	K2503482-005	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	105	40 - 135	04/10/25 22:18	
13C3-PFHxS	76	40 - 130	04/10/25 22:18	
13C8-PFOS	89	40 - 130	04/10/25 22:18	
13C4-PFBA	99	5 - 130	04/10/25 22:18	
13C5-PFPeA	111	40 - 130	04/10/25 22:18	
13C5-PFHxA	105	40 - 130	04/10/25 22:18	
13C4-PFHpA	99	40 - 130	04/10/25 22:18	
13C8-PFOA	80	40 - 130	04/10/25 22:18	
13C9-PFNA	94	40 - 130	04/10/25 22:18	
13C6-PFDA	98	40 - 130	04/10/25 22:18	
13C7-PFUnDA	125	30 - 130	04/10/25 22:18	
13C2-PFDoDA	77	10 - 130	04/10/25 22:18	
13C2-PFTeDA	48	10 - 130	04/10/25 22:18	
13C8-FOSA	66	40 - 130	04/10/25 22:18	
D3-MeFOSA	85	10 - 130	04/10/25 22:18	
D5-EtFOSA	63	10 - 130	04/10/25 22:18	
D7-MeFOSE	64	10 - 130	04/10/25 22:18	
D9-EtFOSE	60	10 - 130	04/10/25 22:18	
D3-MeFOSAA	70	40 - 170	04/10/25 22:18	
D5-EtFOSAA	74	25 - 135	04/10/25 22:18	
13C2-4:2 FTS	119	40 - 200	04/10/25 22:18	
13C2-6:2 FTS	85	40 - 200	04/10/25 22:18	
13C2-8:2 FTS	89	40 - 300	04/10/25 22:18	
13C3-HFPO-DA	93	40 - 130	04/10/25 22:18	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 09:00
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-13S	**Units:**	ng/L
Lab Code:	K2503482-006	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFSAs)								
Perfluorobutane sulfonic acid (PFBS)	**6.9**	4.5	1.8	0.43	1	04/10/25 22:42	4/8/25	
Perfluoropentane sulfonic acid (PFPeS)	**1.0 J**	4.5	1.9	0.89	1	04/10/25 22:42	4/8/25	*
Perfluorohexane sulfonic acid (PFHxS)	**1.0 J**	4.5	1.8	0.82	1	04/10/25 22:42	4/8/25	*
Perfluoroheptane sulfonic acid (PFHpS)	ND U	4.5	1.9	0.69	1	04/10/25 22:42	4/8/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	4.5	1.9	0.83	1	04/10/25 22:42	4/8/25	
Perfluorononane sulfonic acid (PFNS)	ND U	4.5	1.9	0.33	1	04/10/25 22:42	4/8/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	4.5	1.9	0.67	1	04/10/25 22:42	4/8/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	4.5	1.9	0.56	1	04/10/25 22:42	4/8/25	*
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	**9.6**	4.5	2.0	0.86	1	04/10/25 22:42	4/8/25	
Perfluoropentanoic acid (PFPeA)	**7.9**	4.5	2.0	0.64	1	04/10/25 22:42	4/8/25	
Perfluorohexanoic acid (PFHxA)	**4.9**	4.5	2.0	0.63	1	04/10/25 22:42	4/8/25	
Perfluoroheptanoic acid (PFHpA)	ND U	4.5	2.0	0.71	1	04/10/25 22:42	4/8/25	
Perfluorooctanoic acid (PFOA)	ND U	4.5	2.0	0.87	1	04/10/25 22:42	4/8/25	
Perfluorononanoic acid (PFNA)	ND U	4.5	2.0	0.75	1	04/10/25 22:42	4/8/25	
Perfluorodecanoic acid (PFDA)	ND U	4.5	2.0	0.60	1	04/10/25 22:42	4/8/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	4.5	2.0	0.82	1	04/10/25 22:42	4/8/25	
Perfluorododecanoic acid (PFDOA)	ND U	4.5	2.0	0.61	1	04/10/25 22:42	4/8/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	4.5	2.0	0.46	1	04/10/25 22:42	4/8/25	*
Perfluorotetradecanoic acid (PFTDA)	ND U	4.5	3.0	1.3	1	04/10/25 22:42	4/8/25	*
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	4.5	2.0	0.72	1	04/10/25 22:42	4/8/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	4.5	3.0	1.2	1	04/10/25 22:42	4/8/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	4.5	2.0	0.85	1	04/10/25 22:42	4/8/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	4.5	2.0	0.82	1	04/10/25 22:42	4/8/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	4.5	2.0	0.92	1	04/10/25 22:42	4/8/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	4.5	2.0	0.91	1	04/10/25 22:42	4/8/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	4.5	2.0	0.95	1	04/10/25 22:42	4/8/25	*

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 09:00
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-13S	**Units:**	ng/L
Lab Code:	K2503482-006	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	4.5	1.9	0.42	1	04/10/25 22:42	4/8/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	4.5	2.9	1.3	1	04/10/25 22:42	4/8/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	4.5	1.9	0.86	1	04/10/25 22:42	4/8/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	180	20	6.8	1	04/10/25 22:42	4/8/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	180	20	4.2	1	04/10/25 22:42	4/8/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	180	20	6.0	1	04/10/25 22:42	4/8/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	4.5	1.8	0.43	1	04/10/25 22:42	4/8/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	4.5	1.9	0.45	1	04/10/25 22:42	4/8/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	4.5	1.9	0.39	1	04/10/25 22:42	4/8/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	4.5	2.0	0.41	1	04/10/25 22:42	4/8/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	4.5	2.0	0.54	1	04/10/25 22:42	4/8/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	4.5	2.0	0.41	1	04/10/25 22:42	4/8/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	4.5	2.0	0.58	1	04/10/25 22:42	4/8/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	4.5	1.9	0.36	1	04/10/25 22:42	4/8/25	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 09:00
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-13S	**Units:**	ng/L
Lab Code:	K2503482-006	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	86	40 - 135	04/10/25 22:42	
13C3-PFHxS	72	40 - 130	04/10/25 22:42	
13C8-PFOS	78	40 - 130	04/10/25 22:42	
13C4-PFBA	95	5 - 130	04/10/25 22:42	
13C5-PFPeA	96	40 - 130	04/10/25 22:42	
13C5-PFHxA	99	40 - 130	04/10/25 22:42	
13C4-PFHpA	88	40 - 130	04/10/25 22:42	
13C8-PFOA	83	40 - 130	04/10/25 22:42	
13C9-PFNA	87	40 - 130	04/10/25 22:42	
13C6-PFDA	95	40 - 130	04/10/25 22:42	
13C7-PFUnDA	114	30 - 130	04/10/25 22:42	
13C2-PFDoDA	71	10 - 130	04/10/25 22:42	
13C2-PFTeDA	40	10 - 130	04/10/25 22:42	
13C8-FOSA	67	40 - 130	04/10/25 22:42	
D3-MeFOSA	84	10 - 130	04/10/25 22:42	
D5-EtFOSA	64	10 - 130	04/10/25 22:42	
D7-MeFOSE	61	10 - 130	04/10/25 22:42	
D9-EtFOSE	57	10 - 130	04/10/25 22:42	
D3-MeFOSAA	64	40 - 170	04/10/25 22:42	
D5-EtFOSAA	68	25 - 135	04/10/25 22:42	
13C2-4:2 FTS	101	40 - 200	04/10/25 22:42	
13C2-6:2 FTS	96	40 - 200	04/10/25 22:42	
13C2-8:2 FTS	84	40 - 300	04/10/25 22:42	
13C3-HFPO-DA	85	40 - 130	04/10/25 22:42	

General Chemistry

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 09:55
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-4S	**Basis:**	NA
Lab Code:	K2503482-003		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	LOQ	LOD	MDL	Dil.	Date Analyzed	Q
Solids, Total Suspended (TSS)	SM 2540 D Modified	ND U	mg/L	100	-	-	1	04/04/25 17:42	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	03/31/25 12:23
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-5S	**Basis:**	NA
Lab Code:	K2503482-004		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	LOQ	LOD	MDL	Dil.	Date Analyzed	Q
Solids, Total Suspended (TSS)	SM 2540 D Modified	ND U	mg/L	100	-	-	1	04/04/25 17:42	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	04/01/25 09:00
Sample Matrix:	Water	**Date Received:**	04/04/25 09:10
Sample Name:	MW-13S	**Basis:**	NA
Lab Code:	K2503482-006		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	LOQ	LOD	MDL	Dil.	Date Analyzed	Q
Solids, Total Suspended (TSS)	SM 2540 D Modified	ND U	mg/L	100	-	-	1	04/04/25 17:42	

QC Summary Forms

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
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Organic Compounds by HPLC/MS/MS

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Client: Onsite Environmental Incorporated **Service Request:** K2503482
Project: PFAS-1633/553-8472-006
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Extraction Method: Method

Surrogate	Control Limits	MW-2S K2503482-001	MW-3S K2503482-002	MW-4S K2503482-003
13C3-PFBS	40-135	105	108	101
13C3-PFHxS	40-130	82	130	82
13C8-PFOS	40-130	85	82	73
13C4-PFBA	5-130	100	97	98
13C5-PFPeA	40-130	110	112	97
13C5-PFHxA	40-130	99	111	101
13C4-PFHpA	40-130	96	101	86
13C8-PFOA	40-130	93	84	91
13C9-PFNA	40-130	96	95	96
13C6-PFDA	40-130	94	97	102
13C7-PFUnDA	30-130	129	116	108
13C2-PFDoDA	10-130	85	72	71
13C2-PFTeDA	10-130	52	45	46
13C8-FOSA	40-130	65	73	65
D3-MeFOSA	10-130	90	84	78
D5-EtFOSA	10-130	66	68	62
D7-MeFOSE	10-130	64	68	62
D9-EtFOSE	10-130	61	66	59
D3-MeFOSAA	40-170	71	67	65
D5-EtFOSAA	25-135	73	78	67
13C2-4:2 FTS	40-200	136	133	121
13C2-6:2 FTS	40-200	93	95	96
13C2-8:2 FTS	40-300	104	85	84
13C3-HFPO-DA	40-130	87	90	86

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with an pound (#) indicate the control criteria is not acceptable.

Client: Onsite Environmental Incorporated **Service Request:** K2503482
Project: PFAS-1633/553-8472-006
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Extraction Method: Method

Surrogate	Control Limits	MW-5S K2503482-004	MW-6S K2503482-005	MW-13S K2503482-006
13C3-PFBS	40-135	112	105	86
13C3-PFHxS	40-130	84	76	72
13C8-PFOS	40-130	76	89	78
13C4-PFBA	5-130	97	99	95
13C5-PFPeA	40-130	104	111	96
13C5-PFHxA	40-130	102	105	99
13C4-PFHpA	40-130	97	99	88
13C8-PFOA	40-130	82	80	83
13C9-PFNA	40-130	93	94	87
13C6-PFDA	40-130	91	98	95
13C7-PFUnDA	30-130	126	125	114
13C2-PFDoDA	10-130	75	77	71
13C2-PFTeDA	10-130	46	48	40
13C8-FOSA	40-130	69	66	67
D3-MeFOSA	10-130	83	85	84
D5-EtFOSA	10-130	67	63	64
D7-MeFOSE	10-130	63	64	61
D9-EtFOSE	10-130	62	60	57
D3-MeFOSAA	40-170	63	70	64
D5-EtFOSAA	25-135	75	74	68
13C2-4:2 FTS	40-200	123	119	101
13C2-6:2 FTS	40-200	106	85	96
13C2-8:2 FTS	40-300	88	89	84
13C3-HFPO-DA	40-130	88	93	85

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with an pound (#) indicate the control criteria is not acceptable.

Client: Onsite Environmental Incorporated **Service Request:** K2503482
Project: PFAS-1633/553-8472-006
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Extraction Method: Method

Surrogate	Control Limits	Method Blank KQ2505631-04	Lab Control Sample KQ2505631-05	Duplicate Lab Control Sample KQ2505631-06
13C3-PFBS	40-135	126	124	102
13C3-PFHxS	40-130	108	96	92
13C8-PFOS	40-130	100	94	91
13C4-PFBA	5-130	100	100	95
13C5-PFPeA	40-130	97	91	94
13C5-PFHxA	40-130	96	90	87
13C4-PFHpA	40-130	98	95	101
13C8-PFOA	40-130	104	98	93
13C9-PFNA	40-130	104	100	93
13C6-PFDA	40-130	105	108	90
13C7-PFUnDA	30-130	122	123	94
13C2-PFDoDA	10-130	103	104	75
13C2-PFTeDA	10-130	93	89	65
13C8-FOSA	40-130	77	79	61
D3-MeFOSA	10-130	85	87	66
D5-EtFOSA	10-130	80	83	64
D7-MeFOSE	10-130	76	77	62
D9-EtFOSE	10-130	82	85	65
D3-MeFOSAA	40-170	100	97	78
D5-EtFOSAA	25-135	85	86	66
13C2-4:2 FTS	40-200	121	120	107
13C2-6:2 FTS	40-200	74	90	70
13C2-8:2 FTS	40-300	108	109	101
13C3-HFPO-DA	40-130	84	82	88

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with an pound (#) indicate the control criteria is not acceptable.

Client: Onsite Environmental Incorporated **Service Request:** K2503482
Project: PFAS-1633/553-8472-006
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Extraction Method: Method

Surrogate	Control Limits	Low Level Lab Control Sample KQ2505631-07
13C3-PFBS	40-135	119
13C3-PFHxS	40-130	99
13C8-PFOS	40-130	93
13C4-PFBA	5-130	99
13C5-PFPeA	40-130	103
13C5-PFHxA	40-130	90
13C4-PFHpA	40-130	108
13C8-PFOA	40-130	99
13C9-PFNA	40-130	104
13C6-PFDA	40-130	115
13C7-PFUnDA	30-130	113
13C2-PFDoDA	10-130	90
13C2-PFTeDA	10-130	75
13C8-FOSA	40-130	67
D3-MeFOSA	10-130	69
D5-EtFOSA	10-130	68
D7-MeFOSE	10-130	69
D9-EtFOSE	10-130	72
D3-MeFOSAA	40-170	90
D5-EtFOSAA	25-135	76
13C2-4:2 FTS	40-200	111
13C2-6:2 FTS	40-200	80
13C2-8:2 FTS	40-300	121
13C3-HFPO-DA	40-130	90

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with an pound (#) indicate the control criteria is not acceptable.

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KQ2505631-04	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluoroalkyl Sulfonic Acids (PFSAs)								
Perfluorobutane sulfonic acid (PFBS)	ND U	5.0	1.8	0.43	1	04/09/25 23:01	4/8/25	
Perfluoropentane sulfonic acid (PFPeS)	ND U	5.0	1.9	0.89	1	04/09/25 23:01	4/8/25	
Perfluorohexane sulfonic acid (PFHxS)	ND U	5.0	1.8	0.82	1	04/09/25 23:01	4/8/25	
Perfluoroheptane sulfonic acid (PFHpS)	ND U	5.0	1.9	0.69	1	04/09/25 23:01	4/8/25	
Perfluorooctane sulfonic acid (PFOS)	ND U	5.0	1.9	0.83	1	04/09/25 23:01	4/8/25	
Perfluorononane sulfonic acid (PFNS)	ND U	5.0	1.9	0.33	1	04/09/25 23:01	4/8/25	
Perfluorodecane sulfonic acid (PFDS)	ND U	5.0	1.9	0.67	1	04/09/25 23:01	4/8/25	
Perfluorododecane sulfonic acid (PFDoS)	ND U	5.0	1.9	0.56	1	04/09/25 23:01	4/8/25	
Perfluoroalkyl Carboxylic Acids (PFCAs)								
Perfluorobutanoic acid (PFBA)	ND U	5.0	2.0	0.86	1	04/09/25 23:01	4/8/25	
Perfluoropentanoic acid (PFPeA)	ND U	5.0	2.0	0.64	1	04/09/25 23:01	4/8/25	
Perfluorohexanoic acid (PFHxA)	ND U	5.0	2.0	0.63	1	04/09/25 23:01	4/8/25	
Perfluoroheptanoic acid (PFHpA)	ND U	5.0	2.0	0.71	1	04/09/25 23:01	4/8/25	
Perfluorooctanoic acid (PFOA)	ND U	5.0	2.0	0.87	1	04/09/25 23:01	4/8/25	
Perfluorononanoic acid (PFNA)	ND U	5.0	2.0	0.75	1	04/09/25 23:01	4/8/25	
Perfluorodecanoic acid (PFDA)	ND U	5.0	2.0	0.60	1	04/09/25 23:01	4/8/25	
Perfluoroundecanoic acid (PFUnDA)	ND U	5.0	2.0	0.82	1	04/09/25 23:01	4/8/25	
Perfluorododecanoic acid (PFDOA)	ND U	5.0	2.0	0.61	1	04/09/25 23:01	4/8/25	
Perfluorotridecanoic acid (PFTrDA)	ND U	5.0	2.0	0.46	1	04/09/25 23:01	4/8/25	
Perfluorotetradecanoic acid (PFTDA)	ND U	5.0	3.0	1.3	1	04/09/25 23:01	4/8/25	
Perfluoroalkyl Sulfonamido Substances								
Perfluorooctane sulfonamide (PFOSAm)	ND U	5.0	2.0	0.72	1	04/09/25 23:01	4/8/25	
N-Methylperfluorooctane sulfonamide (MeFOSA)	ND U	5.0	3.0	1.2	1	04/09/25 23:01	4/8/25	
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	ND U	5.0	2.0	0.85	1	04/09/25 23:01	4/8/25	
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	ND U	5.0	2.0	0.82	1	04/09/25 23:01	4/8/25	
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	ND U	5.0	2.0	0.92	1	04/09/25 23:01	4/8/25	
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	ND U	5.0	2.0	0.91	1	04/09/25 23:01	4/8/25	
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	ND U	5.0	2.0	0.95	1	04/09/25 23:01	4/8/25	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KQ2505631-04	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Fluorotelomer Sulfonic Acids (FTSAs)								
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND U	5.0	1.9	0.42	1	04/09/25 23:01	4/8/25	
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND U	5.0	2.9	1.3	1	04/09/25 23:01	4/8/25	
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND U	5.0	1.9	0.86	1	04/09/25 23:01	4/8/25	
Fluorotelomer Carboxylic Acids (FTCAs)								
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	ND U	200	20	6.8	1	04/09/25 23:01	4/8/25	
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	ND U	200	20	4.2	1	04/09/25 23:01	4/8/25	
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	ND U	200	20	6.0	1	04/09/25 23:01	4/8/25	
Perfluoroalkyl Ether Sulfonic Acids (PFESAs)								
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	ND U	5.0	1.8	0.43	1	04/09/25 23:01	4/8/25	
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	ND U	5.0	1.9	0.45	1	04/09/25 23:01	4/8/25	
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	ND U	5.0	1.9	0.39	1	04/09/25 23:01	4/8/25	
Perfluoroalkyl Ether Carboxylic Acids (PFECAs)								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND U	5.0	2.0	0.41	1	04/09/25 23:01	4/8/25	
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND U	5.0	2.0	0.54	1	04/09/25 23:01	4/8/25	
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	ND U	5.0	2.0	0.41	1	04/09/25 23:01	4/8/25	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND U	5.0	2.0	0.58	1	04/09/25 23:01	4/8/25	
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	ND U	5.0	1.9	0.36	1	04/09/25 23:01	4/8/25	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ng/L
Lab Code:	KQ2505631-04	**Basis:**	NA

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method: Draft EPA Method 1633
Prep Method: Method

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
13C3-PFBS	126	40 - 135	04/09/25 23:01	
13C3-PFHxS	108	40 - 130	04/09/25 23:01	
13C8-PFOS	100	40 - 130	04/09/25 23:01	
13C4-PFBA	100	5 - 130	04/09/25 23:01	
13C5-PFPeA	97	40 - 130	04/09/25 23:01	
13C5-PFHxA	96	40 - 130	04/09/25 23:01	
13C4-PFHpA	98	40 - 130	04/09/25 23:01	
13C8-PFOA	104	40 - 130	04/09/25 23:01	
13C9-PFNA	104	40 - 130	04/09/25 23:01	
13C6-PFDA	105	40 - 130	04/09/25 23:01	
13C7-PFUnDA	122	30 - 130	04/09/25 23:01	
13C2-PFDoDA	103	10 - 130	04/09/25 23:01	
13C2-PFTeDA	93	10 - 130	04/09/25 23:01	
13C8-FOSA	77	40 - 130	04/09/25 23:01	
D3-MeFOSA	85	10 - 130	04/09/25 23:01	
D5-EtFOSA	80	10 - 130	04/09/25 23:01	
D7-MeFOSE	76	10 - 130	04/09/25 23:01	
D9-EtFOSE	82	10 - 130	04/09/25 23:01	
D3-MeFOSAA	100	40 - 170	04/09/25 23:01	
D5-EtFOSAA	85	25 - 135	04/09/25 23:01	
13C2-4:2 FTS	121	40 - 200	04/09/25 23:01	
13C2-6:2 FTS	74	40 - 200	04/09/25 23:01	
13C2-8:2 FTS	108	40 - 300	04/09/25 23:01	
13C3-HFPO-DA	84	40 - 130	04/09/25 23:01	

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Analyzed:**	04/09/25
Sample Matrix:	Water	**Date Extracted:**	04/08/25

Lab Control Sample Summary
Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method:	Draft EPA Method 1633	**Units:**	ng/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	875598

Low Level Lab Control Sample
KQ2505631-07

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	8.95	9.43	95	55-160
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	11.5	9.60	119	60-150
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	9.64	9.37	103	70-145
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	9.88	9.51	104	65-155
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	320	300	107	50-145
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	351	300	117	70-135
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	255	300	85	65-130
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	10.4	9.45	110	65-145
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	10.9	9.33	116	70-155
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	8.63	10.0	86	70-140
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	7.79	10.0	78	65-145
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	9.99	10.0	100	70-145
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	8.01	10.0	80	70-135
N-Methylperfluorooctane sulfonamide (MeFOSA)	7.51 I	10.0	75	60-150
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	8.30	10.0	83	50-140
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	8.99	10.0	90	70-145
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	10.0	10.0	100	50-150
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	9.49	8.90	107	70-140
Perfluoro-3-methoxypropanoic acid (PFMPA)	9.67	10.0	97	55-140
Perfluoro-4-methoxybutanoic acid (PFMBA)	11.3	10.0	113	60-150
Perfluorobutane sulfonic acid (PFBS)	8.05	8.87	91	60-145
Perfluorobutanoic acid (PFBA)	8.14	10.0	81	70-140
Perfluorodecane sulfonic acid (PFDS)	8.35	9.65	87	60-145
Perfluorodecanoic acid (PFDA)	9.80	10.0	98	70-140
Perfluorododecane sulfonic acid (PFDoS)	5.66	9.70	58	50-145
Perfluorododecanoic acid (PFDOA)	10.1	10.0	101	70-140
Perfluoroheptane sulfonic acid (PFHpS)	8.50	9.53	89	70-150
Perfluoroheptanoic acid (PFHpA)	8.31	10.0	83	70-150
Perfluorohexane sulfonic acid (PFHxS)	8.56	9.14	94	65-145
Perfluorohexanoic acid (PFHxA)	9.37	10.0	94	70-145
Perfluorononane sulfonic acid (PFNS)	9.09	9.62	94	65-145

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Analyzed:**	04/09/25
Sample Matrix:	Water	**Date Extracted:**	04/08/25

Lab Control Sample Summary

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method:	Draft EPA Method 1633	**Units:**	ng/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	875598

Low Level Lab Control Sample
KQ2505631-07

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Perfluorononanoic acid (PFNA)	10.3	10.0	103	70-150
Perfluorooctane sulfonamide (PFOSAm)	9.55	10.0	96	70-145
Perfluorooctane sulfonic acid (PFOS)	7.96	9.28	86	55-150
Perfluorooctanoic acid (PFOA)	7.91	10.0	79	70-150
Perfluoropentane sulfonic acid (PFPeS)	9.47	9.41	101	65-140
Perfluoropentanoic acid (PFPeA)	7.57	10.0	76	65-135
Perfluorotetradecanoic acid (PFTDA)	10.0	10.0	100	60-140
Perfluorotridecanoic acid (PFTrDA)	10.5	10.0	105	65-140
Perfluoroundecanoic acid (PFUnDA)	7.72	10.0	77	70-145

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Analyzed:**	04/09/25 - 04/10/25
Sample Matrix:	Water	**Date Extracted:**	04/08/25

Duplicate Lab Control Sample Summary

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method:	Draft EPA Method 1633	**Units:**	ng/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	875598

	Lab Control Sample KQ2505631-05			Duplicate Lab Control Sample KQ2505631-06					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	18.1	18.9	96	16.6	18.9	88	55-160	9	30
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	23.1	19.2	120	23.8	19.2	124	60-150	3	30
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	17.1	18.7	91	17.1	18.7	91	70-145	<1	30
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	20.3	19.0	107	20.6	19.0	108	65-155	1	30
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	388	400	97	424	400	106	50-145	9	30
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	425	400	106	460	400	115	70-135	8	30
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	325	400	81	376	400	94	65-130	15	30
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	20.5	18.9	108	19.0	18.9	101	65-145	7	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	22.4	18.7	120	21.4	18.7	115	70-155	4	30
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	15.0	20.0	75	15.5	20.0	77	70-140	3	30
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	16.2	20.0	81	16.8	20.0	84	65-145	4	30
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	24.2	20.0	121	23.6	20.0	118	70-145	3	30
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	16.4	20.0	82	16.9	20.0	84	70-135	3	30
N-Methylperfluorooctane sulfonamide (MeFOSA)	17.0	20.0	85	17.6	20.0	88	60-150	4	30
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	17.4	20.0	87	16.6	20.0	83	50-140	5	30
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	18.3	20.0	92	18.1	20.0	91	70-145	1	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	18.3	20.0	91	20.7	20.0	103	50-150	12	30
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	16.4	17.8	92	18.7	17.8	105	70-140	13	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	21.1	20.0	105	19.2	20.0	96	55-140	9	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	24.3	20.0	122	22.3	20.0	111	60-150	9	30
Perfluorobutane sulfonic acid (PFBS)	16.5	17.7	93	16.2	17.7	91	60-145	2	30

QA/QC Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Analyzed:**	04/09/25 - 04/10/25
Sample Matrix:	Water	**Date Extracted:**	04/08/25

Duplicate Lab Control Sample Summary

Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS Compliant with Table B-24 of DOD QSM 5.4

Analysis Method:	Draft EPA Method 1633	**Units:**	ng/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	875598

	Lab Control Sample KQ2505631-05			Duplicate Lab Control Sample KQ2505631-06					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perfluorobutanoic acid (PFBA)	18.2	20.0	91	18.2	20.0	91	70-140	<1	30
Perfluorodecane sulfonic acid (PFDS)	18.0	19.3	93	15.6	19.3	81	60-145	14	30
Perfluorodecanoic acid (PFDA)	21.2	20.0	106	20.5	20.0	103	70-140	3	30
Perfluorododecane sulfonic acid (PFDoS)	12.7	19.4	65	10.2	19.4	53	50-145	21	30
Perfluorododecanoic acid (PFDOA)	19.6	20.0	98	20.5	20.0	102	70-140	4	30
Perfluoroheptane sulfonic acid (PFHpS)	19.1	19.1	100	15.9	19.1	83	70-150	19	30
Perfluoroheptanoic acid (PFHpA)	17.7	20.0	89	17.2	20.0	86	70-150	3	30
Perfluorohexane sulfonic acid (PFHxS)	20.8	18.3	114	15.5	18.3	85	65-145	29	30
Perfluorohexanoic acid (PFHxA)	19.2	20.0	96	19.4	20.0	97	70-145	<1	30
Perfluorononane sulfonic acid (PFNS)	19.1	19.2	99	17.1	19.2	89	65-145	11	30
Perfluorononanoic acid (PFNA)	21.4	20.0	107	20.8	20.0	104	70-150	3	30
Perfluorooctane sulfonamide (PFOSAm)	20.1	20.0	100	20.6	20.0	103	70-145	3	30
Perfluorooctane sulfonic acid (PFOS)	18.1	18.6	98	16.4	18.6	88	55-150	10	30
Perfluorooctanoic acid (PFOA)	17.4	20.0	87	15.9	20.0	79	70-150	9	30
Perfluoropentane sulfonic acid (PFPeS)	19.2	18.8	102	17.1	18.8	91	65-140	11	30
Perfluoropentanoic acid (PFPeA)	16.2	20.0	81	16.0	20.0	80	65-135	1	30
Perfluorotetradecanoic acid (PFTDA)	20.1	20.0	101	20.0	20.0	100	60-140	<1	30
Perfluorotridecanoic acid (PFTrDA)	22.5	20.0	113	21.9	20.0	110	65-140	3	30
Perfluoroundecanoic acid (PFUnDA)	15.7	20.0	79	15.9	20.0	80	70-145	2	30

General Chemistry

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360) 577-7222 Fax (360) 425-9096
www.alsglobal.com

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2503482-MB1		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	LOQ	LOD	MDL	Dil.	Date Analyzed	Q
Solids, Total Suspended (TSS)	SM 2540 D Modified	ND U	mg/L	100	-	-	1	04/04/25 17:42	

Analytical Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	K2503482-MB2		

General Chemistry Parameters

Analyte Name	Analysis Method	Result	Units	LOQ	LOD	MDL	Dil.	Date Analyzed	Q
Solids, Total Suspended (TSS)	SM 2540 D Modified	ND U	mg/L	100	-	-	1	04/04/25 17:42	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client:	Onsite Environmental Incorporated	**Service Request:**	K2503482
Project:	PFAS-1633/553-8472-006	**Date Analyzed:**	04/04/25
Sample Matrix:	Water	**Date Extracted:**	NA

Lab Control Sample Summary
Solids, Total Suspended (TSS)

Analysis Method:	SM 2540 D Modified	**Units:**	mg/L
Prep Method:	None	**Basis:**	NA
		Analysis Lot:	875015

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K2503482-LCS	440	430	102	85-115

ANATEK LABS

Analytical Results Report For:

OnSite Environmental, Inc.

Project:

Parametrix DTG Yakima

Anatek Work Order:

YFD0004

Anatek Moscow - 1282 Alturas Drive - Moscow, ID 83843 - 208-883-2839 - moscow@anateklabs.com - FL NELAP E87893
Anatek Spokane - 504 E Sprague Ste. D - Spokane, WA 99202 - 509-838-3999 - spokane@anateklabs.com - FL NELAP E871099
Anatek Yakima - 4802 Tieton Drive - Yakima, WA 98908 - 509-225-9404 - yakima@anateklabs.com - FL NELAP E871190
Anatek Wenatchee - 3019 Gs Center Rd - Wenatchee, WA 98801 - 509-701-8362

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Client:	OnSite Environmental, Inc.	Work Order:	YFD0004
Address:	14648 NE. 95th St.	Project:	Parametrix DTG Yakima
	Redmond, WA 98052	Reported:	4/4/2025 11:34
Attn:	David Baumeister		

Analytical Results Report

Sample Location:	MW-3S		
Lab/Sample Number:	YFD0004-01	Collect Date:	03/31/25 14:24
Date Received:	04/01/25 08:15	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	11.3	mg/L	0.200	4/2/25 8:48	DRA	Hach 10206	

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Sample Location:	MW-5S		
Lab/Sample Number:	YFD0004-02	Collect Date:	03/31/25 12:23
Date Received:	04/01/25 08:15	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.0800	mg/L	0.200	4/2/25 8:48	DRA	Hach 10206	

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Sample Location:	MW-7D		
Lab/Sample Number:	YFD0004-04	Collect Date:	03/31/25 12:05
Date Received:	04/01/25 08:15	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.0410	mg/L	0.200	4/2/25 8:48	DRA	Hach 10206	

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Sample Location:	MW-9D		
Lab/Sample Number:	YFD0004-05	Collect Date:	03/31/25 14:25
Date Received:	04/01/25 08:15	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.0770	mg/L	0.200	4/2/25 8:48	DRA	Hach 10206	

Anatek Labs, Inc.

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Sample Location:	MW-10D		
Lab/Sample Number:	YFD0004-06	Collect Date:	03/31/25 16:25
Date Received:	04/01/25 08:15	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	1.51	mg/L	0.200	4/2/25 8:48	DRA	Hach 10206	

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Authorized Signature,

Emily Wengrowski for Kathleen Sattler, Lab Manager

PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte

ANATEK LABS

Chain of Custody Record

Anatek L
1282 Alturas Drive, Mosco
504 E Sprague Ste D, Spoka

YFD0004
Due: 04/15/25

Company Name: Onsite Environmental (Parametrix)	Project Manager: David Baumeister
Address: 14648 NE 95th Street	Project Name & #: Parametrix DTG Yakima
City: Redmond State: WA Zip: 98052	Purchase Order #:
Phone: 425.883.3881	Sampler Name & Phone: Nguyen Shaufler / Burke (Parametrix)
Email Address(es): dbaumeister@onsite-env.com	

Turn A
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www.anatekLabs.com/pricing-info

✓ Normal
__Next Day*
__2nd Day*
__Other*_____
__Phone
__Email
*All rush order requests must have prior approval

List Analyses Requested

Lab ID	Sample Identification	Sampling Date/Time	Matrix	# of Containers	Sample Volume	Preservative: Nitrate
	~~MW-2S~~		H2O	1		X
	MW-3S	3/31 1424	H2O	1		X
	~~MW-4S~~		H2O	1		X
	MW-5S / MW-5S MS/MSD	3/31 1223	H2O	1 x 2		X
	~~MW-6S~~		H2O	1		X
	~~MW-13S~~		H2O	1		X
	MW-7D	3/31 1205	H2O	1		X
	~~MW-8D~~		H2O	1		X
	MW-9D	3/31 1425	H2O	1		X
	MW-10D	3/31 1625	H2O	1		X
	~~Leachate~~		H2O	1		X

Note Special Instructions/Comments

Extra bottles for MW-5S for ~~ADH~~ MS/MSD

Client Container X6

Inspection Checklist

Received Intact?	Y	N
Labels & Chains Agree?	Y	N
Containers Sealed?	Y	N
No VOC Head Space?	Y	N
Cooler?	Y	N
Ice/Ice Packs Present?	Y	N

Temperature (°C): 4.0-0/4.2-c Dig/No
Number of Containers: 6
Shipped Via: hand
Preservative:
Date & Time: 4/1/25 815
Inspected By: AD

	Printed Name	Signature	Company	Date	Time
Relinquished by	Sally Nguyen		Parametrix	4/1/25	0814
Received by	Ashley Anderson	AAnderson	Anatek	4/1/25	815
Relinquished by					
Received by					
Relinquished by					
Received by					

Samples submitted to Anatek Labs may be subcontacted to other accredited labs if necessary. This message serves as notice of this possibility. Subcontracted analyses will be clearly noted on the analytical report.

Form COC01.02 - Eff 1 Mar 2021

ANATEK LABS

Analytical Results Report For:

OnSite Environmental, Inc.

Project:

Parametrix DTG Yakima

Anatek Work Order:

YFD0072

Anatek Moscow - 1282 Alturas Drive - Moscow, ID 83843 - 208-883-2839 - moscow@anateklabs.com - FL NELAP E87893
Anatek Spokane - 504 E Sprague Ste. D - Spokane, WA 99202 - 509-838-3999 - spokane@anateklabs.com - FL NELAP E871099
Anatek Yakima - 4802 Tieton Drive - Yakima, WA 98908 - 509-225-9404 - yakima@anateklabs.com - FL NELAP E871190
Anatek Wenatchee - 3019 Gs Center Rd - Wenatchee, WA 98801 - 509-701-8362

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Client:	OnSite Environmental, Inc.	Work Order:	YFD0072
Address:	14648 NE. 95th St.	Project:	Parametrix DTG Yakima
	Redmond, WA 98052	Reported:	4/4/2025 11:37
Attn:	David Baumeister		

Analytical Results Report

Sample Location:	MW-2S		
Lab/Sample Number:	YFD0072-01	Collect Date:	04/01/25 11:53
Date Received:	04/02/25 09:32	Collected By:	Nguyen/Burke
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.702	mg/L	0.200	4/2/25 16:29	DRA	Hach 10206	

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Sample Location:	MW-4S		
Lab/Sample Number:	YFD0072-02	Collect Date:	04/01/25 09:55
Date Received:	04/02/25 09:32	Collected By:	Nguyen/Burke
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	62.8	mg/L	2.00	4/2/25 16:48	DRA	Hach 10206	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Sample Location:	MW-6S		
Lab/Sample Number:	YFD0072-03	Collect Date:	04/01/25 14:55
Date Received:	04/02/25 09:32	Collected By:	Nguyen/Burke
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	11.3	mg/L	0.200	4/2/25 16:29	DRA	Hach 10206	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Sample Location:	MW-13S		
Lab/Sample Number:	YFD0072-04	Collect Date:	04/01/25 09:00
Date Received:	04/02/25 09:32	Collected By:	Nguyen/Burke
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	11.6	mg/L	0.200	4/2/25 16:29	DRA	Hach 10206	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Sample Location:	MW-8D		
Lab/Sample Number:	YFD0072-05	Collect Date:	04/01/25 13:26
Date Received:	04/02/25 09:32	Collected By:	Nguyen/Burke
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	1.78	mg/L	0.200	4/2/25 16:29	DRA	Hach 10206	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Authorized Signature,

Emily Wengrowski for Kathleen Sattler, Lab Manager

PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte

ANATEK LABS

Chain of Custody Record

Anatek
1282 Alturas Drive, Mose
504 E Sprague Ste D, Spok

YFD0072

Due: 04/16/25

Company Name: OnSite Environmental (Parametrix)	Project Manager: David Baumeister
Address: 14648 NE 95th St	Project Name & #: Parametrix DTG Yakima
City: Redmond State: WA Zip: 98052	Purchase Order #:
Phone: 425-883-3881	Sampler Name & Phone: Nguyen & Burke
Email Address(es): dbaumeister@onsite-envi.com	

Turn

Please re

www.anateklabs.com/pricing-lists

- ✓ Normal
- __ Next Day*
- __ 2nd Day*
- __ Other*_____
- __ Phone
- __ Email

*All rush order requests must have prior approval

List Analyses Requested

Lab ID	Sample Identification	Sampling Date/Time	Matrix	# of Containers	Sample Volume	Preservative: Nitrate									
	MW-3S	4/1 @ 1153	W (H_2O)	1		X									
	MW-4S	4/1 @ 955	W (H_2O)	1		X									
	MW-6S	4/1 @ 1455	W (H_2O)	1		X									
	MW-13S	4/1 @ 900	W (H_2O)	1		X									
	MW-8D	4/1 @ 1326	W (H_2O)	1		X									

Note Special Instructions/Comments

Client Container x 5

Inspection Checklist

Received Intact?	(Y)	N
Labels & Chains Agree?	(Y)	N
Containers Sealed?	Y	N
No VOC Head Space?	Y	N
Cooler?	(Y)	N
Ice/Ice Packs Present?	(Y)	N

Temperature (°C): 1.0/1.2°C DTG-16
Number of Containers: 5
Shipped Via: H-D
Preservative: n/a
Date & Time: 4-2-25 @ 9:32
Inspected By: DNA

	Printed Name	Signature	Company	Date	Time
Relinquished by	Sally Nguyen		Parametrix	4/2	932
Received by	Desiree Alling	Desiree Alling	Anatek	4-2-25	9:32
Relinquished by					
Received by					
Relinquished by					
Received by					

Samples submitted to Anatek Labs may be subcontacted to other accredited labs if necessary. This message serves as notice of this possibility. Subcontracted analyses will be clearly noted on the analytical report.

April 21, 2025

Enthalpy Analytical - El Dorado Hills
Work Order No. 2504028

Mr. David Baumeister
OnSite Environmental Inc.
14648 NE 95th Street
Redmond, WA 98052

Dear Mr. Baumeister,

Enclosed are the results for the sample set received at Enthalpy Analytical - EDH on April 04, 2025 under your Project Name '553-8472-006'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at kathy.zipp@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Kathy Zipp
Project Manager

Enthalpy Analytical - EDH Work Order No. 2504028
Case Narrative

Sample Condition on Receipt:

Six water samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements.

Analytical Notes:

EPA Method 1613B

The samples were extracted and analyzed for tetra-through-octa chlorinated dioxins and furans by EPA Method 1613B using a ZB-DIOXIN GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

TABLE OF CONTENTS

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2504028-01	MW-2S	01-Apr-25 11:53	04-Apr-25 07:55	Amber Glass NM Bottle, 1L
				Amber Glass NM Bottle, 1L
2504028-02	MW-3S	31-Mar-25 14:24	04-Apr-25 07:55	Amber Glass NM Bottle, 1L
				Amber Glass NM Bottle, 1L
2504028-03	MW-4S	01-Apr-25 09:55	04-Apr-25 07:55	Amber Glass NM Bottle, 1L
				Amber Glass NM Bottle, 1L
2504028-04	MW-5S	31-Mar-25 12:23	04-Apr-25 07:55	Amber Glass NM Bottle, 1L
				Amber Glass NM Bottle, 1L
2504028-05	MW-6S	01-Apr-25 14:55	04-Apr-25 07:55	Amber Glass NM Bottle, 1L
				Amber Glass NM Bottle, 1L
2504028-06	MW-13S	01-Apr-25 09:00	04-Apr-25 07:55	Amber Glass NM Bottle, 1L
				Amber Glass NM Bottle, 1L

ANALYTICAL RESULTS

Sample ID: Method Blank

EPA Method 1613B

Client Data
Name: OnSite Environmental Inc.
Project: 553-8472-006
Matrix: Aqueous

Laboratory Data
Lab Sample: B25D112-BLK1
QC Batch: B25D112
Sample Size: 1.00 L
Date Extracted: 09-Apr-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.26			15-Apr-25 12:43	1
1,2,3,7,8-PeCDD	ND	1.03			15-Apr-25 12:43	1
1,2,3,4,7,8-HxCDD	ND	1.86			15-Apr-25 12:43	1
1,2,3,6,7,8-HxCDD	ND	2.12			15-Apr-25 12:43	1
1,2,3,7,8,9-HxCDD	ND	1.88			15-Apr-25 12:43	1
1,2,3,4,6,7,8-HpCDD	ND	4.84			15-Apr-25 12:43	1
OCDD	ND	3.37			15-Apr-25 12:43	1
2,3,7,8-TCDF	ND	0.902			15-Apr-25 12:43	1
1,2,3,7,8-PeCDF	ND	0.758			15-Apr-25 12:43	1
2,3,4,7,8-PeCDF	ND	0.775			15-Apr-25 12:43	1
1,2,3,4,7,8-HxCDF	ND	0.750			15-Apr-25 12:43	1
1,2,3,6,7,8-HxCDF	ND	0.767			15-Apr-25 12:43	1
2,3,4,6,7,8-HxCDF	ND	0.749			15-Apr-25 12:43	1
1,2,3,7,8,9-HxCDF	ND	1.02			15-Apr-25 12:43	1
1,2,3,4,6,7,8-HpCDF	ND	0.862			15-Apr-25 12:43	1
1,2,3,4,7,8,9-HpCDF	ND	1.08			15-Apr-25 12:43	1
OCDF	ND	1.77			15-Apr-25 12:43	1
Toxic Equivalent						
TEQMinWHO2005Dioxin	0.00					
Totals						
Total TCDD	ND	1.26				
Total PeCDD	ND	1.03				
Total HxCDD	ND	2.12				
Total HpCDD	ND	4.84				
Total TCDF	ND	0.902				
Total PeCDF	ND	0.775				
Total HxCDF	ND	1.02				
Total HpCDF	ND	1.08				

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	73.8	25 - 164		15-Apr-25 12:43	1
13C-1,2,3,7,8-PeCDD	IS	76.9	25 - 181		15-Apr-25 12:43	1
13C-1,2,3,4,7,8-HxCDD	IS	71.6	32 - 141		15-Apr-25 12:43	1
13C-1,2,3,6,7,8-HxCDD	IS	69.5	28 - 130		15-Apr-25 12:43	1
13C-1,2,3,7,8,9-HxCDD	IS	71.3	32 - 141		15-Apr-25 12:43	1
13C-1,2,3,4,6,7,8-HpCDD	IS	68.6	23 - 140		15-Apr-25 12:43	1
13C-OCDD	IS	57.1	17 - 157		15-Apr-25 12:43	1
13C-2,3,7,8-TCDF	IS	79.8	24 - 169		15-Apr-25 12:43	1
13C-1,2,3,7,8-PeCDF	IS	81.0	24 - 185		15-Apr-25 12:43	1
13C-2,3,4,7,8-PeCDF	IS	80.6	21 - 178		15-Apr-25 12:43	1
13C-1,2,3,4,7,8-HxCDF	IS	71.6	26 - 152		15-Apr-25 12:43	1
13C-1,2,3,6,7,8-HxCDF	IS	71.8	26 - 123		15-Apr-25 12:43	1
13C-2,3,4,6,7,8-HxCDF	IS	71.7	28 - 136		15-Apr-25 12:43	1
13C-1,2,3,7,8,9-HxCDF	IS	71.6	29 - 147		15-Apr-25 12:43	1
13C-1,2,3,4,6,7,8-HpCDF	IS	74.6	28 - 143		15-Apr-25 12:43	1
13C-1,2,3,4,7,8,9-HpCDF	IS	79.2	26 - 138		15-Apr-25 12:43	1
13C-OCDF	IS	65.7	17 - 157		15-Apr-25 12:43	1
37Cl-2,3,7,8-TCDD	CRS	97.1	35 - 197		15-Apr-25 12:43	1

EDL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration

Sample ID: OPR **EPA Method 1613B**

Client Data
Name: OnSite Environmental Inc.
Project: 553-8472-006
Matrix: Aqueous

Laboratory Data
Lab Sample: B25D112-BS1
QC Batch: B25D112 Date Extracted: 09-Apr-25 16:39
Sample Size: 1.00 L Column: ZB-DIOXIN

Analyte	Amt Found (pg/L)	Spike Amt	% Recovery	Limits	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	207	200	103	67-158		15-Apr-25 11:12	1
1,2,3,7,8-PeCDD	1050	1000	105	70-142		15-Apr-25 11:12	1
1,2,3,4,7,8-HxCDD	1080	1000	108	70-164		15-Apr-25 11:12	1
1,2,3,6,7,8-HxCDD	1060	1000	106	76-134		15-Apr-25 11:12	1
1,2,3,7,8,9-HxCDD	1050	1000	105	64-162		15-Apr-25 11:12	1
1,2,3,4,6,7,8-HpCDD	1070	1000	107	70-140		15-Apr-25 11:12	1
OCDD	2100	2000	105	78-144		15-Apr-25 11:12	1
2,3,7,8-TCDF	217	200	109	75-158		15-Apr-25 11:12	1
1,2,3,7,8-PeCDF	1090	1000	109	80-134		15-Apr-25 11:12	1
2,3,4,7,8-PeCDF	1090	1000	109	68-160		15-Apr-25 11:12	1
1,2,3,4,7,8-HxCDF	1080	1000	108	72-134		15-Apr-25 11:12	1
1,2,3,6,7,8-HxCDF	1070	1000	107	84-130		15-Apr-25 11:12	1
2,3,4,6,7,8-HxCDF	1100	1000	110	70-156		15-Apr-25 11:12	1
1,2,3,7,8,9-HxCDF	1050	1000	105	78-130		15-Apr-25 11:12	1
1,2,3,4,6,7,8-HpCDF	1050	1000	105	82-122		15-Apr-25 11:12	1
1,2,3,4,7,8,9-HpCDF	1000	1000	100	78-138		15-Apr-25 11:12	1
OCDF	2200	2000	110	63-170		15-Apr-25 11:12	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	81.8	20-175		15-Apr-25 11:12	1
13C-1,2,3,7,8-PeCDD	IS	79.6	21-227		15-Apr-25 11:12	1
13C-1,2,3,4,7,8-HxCDD	IS	68.6	21-193		15-Apr-25 11:12	1
13C-1,2,3,6,7,8-HxCDD	IS	71.4	25-163		15-Apr-25 11:12	1
13C-1,2,3,7,8,9-HxCDD	IS	68.3	21-193		15-Apr-25 11:12	1
13C-1,2,3,4,6,7,8-HpCDD	IS	63.3	26-166		15-Apr-25 11:12	1
13C-OCDD	IS	54.3	13-199		15-Apr-25 11:12	1
13C-2,3,7,8-TCDF	IS	79.2	22-152		15-Apr-25 11:12	1
13C-1,2,3,7,8-PeCDF	IS	78.4	21-192		15-Apr-25 11:12	1
13C-2,3,4,7,8-PeCDF	IS	82.7	13-328		15-Apr-25 11:12	1
13C-1,2,3,4,7,8-HxCDF	IS	70.8	19-202		15-Apr-25 11:12	1
13C-1,2,3,6,7,8-HxCDF	IS	71.4	21-159		15-Apr-25 11:12	1
13C-2,3,4,6,7,8-HxCDF	IS	69.4	22-176		15-Apr-25 11:12	1
13C-1,2,3,7,8,9-HxCDF	IS	72.3	17-205		15-Apr-25 11:12	1
13C-1,2,3,4,6,7,8-HpCDF	IS	66.7	21-158		15-Apr-25 11:12	1
13C-1,2,3,4,7,8,9-HpCDF	IS	71.9	20-186		15-Apr-25 11:12	1
13C-OCDF	IS	58.3	13-199		15-Apr-25 11:12	1
37Cl-2,3,7,8-TCDD	CRS	95.8	31-191		15-Apr-25 11:12	1

Sample ID: MW-2S **EPA Method 1613B**

Client Data
Name: OnSite Environmental Inc.
Project: 553-8472-006
Matrix: Water
Date Collected: 01-Apr-25 11:53

Laboratory Data
Lab Sample: 2504028-01
QC Batch: B25D112
Sample Size: 1.04 L
Date Received: 04-Apr-25 07:55
Date Extracted: 09-Apr-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.28			16-Apr-25 03:12	1
1,2,3,7,8-PeCDD	ND	1.69			16-Apr-25 03:12	1
1,2,3,4,7,8-HxCDD	ND	2.04			16-Apr-25 03:12	1
1,2,3,6,7,8-HxCDD	ND	2.19			16-Apr-25 03:12	1
1,2,3,7,8,9-HxCDD	ND	2.27			16-Apr-25 03:12	1
1,2,3,4,6,7,8-HpCDD	ND		4.10		16-Apr-25 03:12	1
OCDD	110				16-Apr-25 03:12	1
2,3,7,8-TCDF	ND		2.30		16-Apr-25 03:12	1
1,2,3,7,8-PeCDF	ND		2.85		16-Apr-25 03:12	1
2,3,4,7,8-PeCDF	ND		3.02		16-Apr-25 03:12	1
1,2,3,4,7,8-HxCDF	ND		4.14		16-Apr-25 03:12	1
1,2,3,6,7,8-HxCDF	ND	2.16			16-Apr-25 03:12	1
2,3,4,6,7,8-HxCDF	ND	2.63			16-Apr-25 03:12	1
1,2,3,7,8,9-HxCDF	ND	2.78			16-Apr-25 03:12	1
1,2,3,4,6,7,8-HpCDF	1.79			J	16-Apr-25 03:12	1
1,2,3,4,7,8,9-HpCDF	ND	1.57			16-Apr-25 03:12	1
OCDF	2.63			J	16-Apr-25 03:12	1
Toxic Equivalent						
TEQMinWHO2005Dioxin	0.0517					
Totals						
Total TCDD	ND	1.28				
Total PeCDD	ND	1.69				
Total HxCDD	ND	2.27				
Total HpCDD	ND		6.23			
Total TCDF	ND		2.30			
Total PeCDF	ND		7.52			
Total HxCDF	ND		4.14			
Total HpCDF	1.79		3.49	J		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	70.9	25 - 164		16-Apr-25 03:12	1
13C-1,2,3,7,8-PeCDD	IS	68.9	25 - 181		16-Apr-25 03:12	1
13C-1,2,3,4,7,8-HxCDD	IS	59.2	32 - 141		16-Apr-25 03:12	1
13C-1,2,3,6,7,8-HxCDD	IS	59.1	28 - 130		16-Apr-25 03:12	1
13C-1,2,3,7,8,9-HxCDD	IS	56.2	32 - 141		16-Apr-25 03:12	1
13C-1,2,3,4,6,7,8-HpCDD	IS	52.1	23 - 140		16-Apr-25 03:12	1
13C-OCDD	IS	38.1	17 - 157		16-Apr-25 03:12	1
13C-2,3,7,8-TCDF	IS	71.1	24 - 169		16-Apr-25 03:12	1
13C-1,2,3,7,8-PeCDF	IS	65.1	24 - 185		16-Apr-25 03:12	1
13C-2,3,4,7,8-PeCDF	IS	70.9	21 - 178		16-Apr-25 03:12	1
13C-1,2,3,4,7,8-HxCDF	IS	57.4	26 - 152		16-Apr-25 03:12	1
13C-1,2,3,6,7,8-HxCDF	IS	58.1	26 - 123		16-Apr-25 03:12	1
13C-2,3,4,6,7,8-HxCDF	IS	57.7	28 - 136		16-Apr-25 03:12	1
13C-1,2,3,7,8,9-HxCDF	IS	60.4	29 - 147		16-Apr-25 03:12	1
13C-1,2,3,4,6,7,8-HpCDF	IS	55.2	28 - 143		16-Apr-25 03:12	1
13C-1,2,3,4,7,8,9-HpCDF	IS	57.4	26 - 138		16-Apr-25 03:12	1
13C-OCDF	IS	42.8	17 - 157		16-Apr-25 03:12	1
37Cl-2,3,7,8-TCDD	CRS	86.5	35 - 197		16-Apr-25 03:12	1

EDL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration

Sample ID: MW-3S **EPA Method 1613B**

Client Data
Name: OnSite Environmental Inc.
Project: 553-8472-006
Matrix: Water
Date Collected: 31-Mar-25 14:24

Laboratory Data
Lab Sample: 2504028-02
QC Batch: B25D112
Sample Size: 1.04 L
Date Received: 04-Apr-25 07:55
Date Extracted: 09-Apr-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.17			16-Apr-25 03:57	1
1,2,3,7,8-PeCDD	ND	2.10			16-Apr-25 03:57	1
1,2,3,4,7,8-HxCDD	ND	2.33			16-Apr-25 03:57	1
1,2,3,6,7,8-HxCDD	ND	2.59			16-Apr-25 03:57	1
1,2,3,7,8,9-HxCDD	ND	2.40			16-Apr-25 03:57	1
1,2,3,4,6,7,8-HpCDD	ND	2.49			16-Apr-25 03:57	1
OCDD	ND	6.93			16-Apr-25 03:57	1
2,3,7,8-TCDF	ND	0.619			16-Apr-25 03:57	1
1,2,3,7,8-PeCDF	ND	1.42			16-Apr-25 03:57	1
2,3,4,7,8-PeCDF	ND	0.709			16-Apr-25 03:57	1
1,2,3,4,7,8-HxCDF	ND	0.502			16-Apr-25 03:57	1
1,2,3,6,7,8-HxCDF	ND	0.475			16-Apr-25 03:57	1
2,3,4,6,7,8-HxCDF	ND	0.565			16-Apr-25 03:57	1
1,2,3,7,8,9-HxCDF	ND	0.624			16-Apr-25 03:57	1
1,2,3,4,6,7,8-HpCDF	ND	0.279			16-Apr-25 03:57	1
1,2,3,4,7,8,9-HpCDF	ND	0.416			16-Apr-25 03:57	1
OCDF	ND	2.27			16-Apr-25 03:57	1
Toxic Equivalent						
TEQMinWHO2005Dioxin	0.00					
Totals						
Total TCDD	ND	1.17				
Total PeCDD	ND	2.10				
Total HxCDD	ND	2.59				
Total HpCDD	ND	2.49				
Total TCDF	ND	0.619				
Total PeCDF	ND	1.42				
Total HxCDF	ND	0.624				
Total HpCDF	ND	0.416				

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	85.2	25 - 164		16-Apr-25 03:57	1
13C-1,2,3,7,8-PeCDD	IS	84.1	25 - 181		16-Apr-25 03:57	1
13C-1,2,3,4,7,8-HxCDD	IS	73.4	32 - 141		16-Apr-25 03:57	1
13C-1,2,3,6,7,8-HxCDD	IS	72.7	28 - 130		16-Apr-25 03:57	1
13C-1,2,3,7,8,9-HxCDD	IS	70.0	32 - 141		16-Apr-25 03:57	1
13C-1,2,3,4,6,7,8-HpCDD	IS	71.4	23 - 140		16-Apr-25 03:57	1
13C-OCDD	IS	61.3	17 - 157		16-Apr-25 03:57	1
13C-2,3,7,8-TCDF	IS	80.5	24 - 169		16-Apr-25 03:57	1
13C-1,2,3,7,8-PeCDF	IS	51.9	24 - 185		16-Apr-25 03:57	1
13C-2,3,4,7,8-PeCDF	IS	83.6	21 - 178		16-Apr-25 03:57	1
13C-1,2,3,4,7,8-HxCDF	IS	71.9	26 - 152		16-Apr-25 03:57	1
13C-1,2,3,6,7,8-HxCDF	IS	71.4	26 - 123		16-Apr-25 03:57	1
13C-2,3,4,6,7,8-HxCDF	IS	71.4	28 - 136		16-Apr-25 03:57	1
13C-1,2,3,7,8,9-HxCDF	IS	72.1	29 - 147		16-Apr-25 03:57	1
13C-1,2,3,4,6,7,8-HpCDF	IS	71.6	28 - 143		16-Apr-25 03:57	1
13C-1,2,3,4,7,8,9-HpCDF	IS	75.5	26 - 138		16-Apr-25 03:57	1
13C-OCDF	IS	66.5	17 - 157		16-Apr-25 03:57	1
37Cl-2,3,7,8-TCDD	CRS	111	35 - 197		16-Apr-25 03:57	1

EDL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration

Sample ID: MW-4S **EPA Method 1613B**

Client Data
Name: OnSite Environmental Inc.
Project: 553-8472-006
Matrix: Water
Date Collected: 01-Apr-25 09:55

Laboratory Data
Lab Sample: 2504028-03
QC Batch: B25D112
Sample Size: 1.04 L
Date Received: 04-Apr-25 07:55
Date Extracted: 09-Apr-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	0.846			16-Apr-25 04:42	1
1,2,3,7,8-PeCDD	ND	1.44			16-Apr-25 04:42	1
1,2,3,4,7,8-HxCDD	ND	2.33			16-Apr-25 04:42	1
1,2,3,6,7,8-HxCDD	ND	2.60			16-Apr-25 04:42	1
1,2,3,7,8,9-HxCDD	ND	2.57			16-Apr-25 04:42	1
1,2,3,4,6,7,8-HpCDD	ND	2.47			16-Apr-25 04:42	1
OCDD	ND	12.7			16-Apr-25 04:42	1
2,3,7,8-TCDF	ND	0.789			16-Apr-25 04:42	1
1,2,3,7,8-PeCDF	ND	0.647			16-Apr-25 04:42	1
2,3,4,7,8-PeCDF	ND	0.639			16-Apr-25 04:42	1
1,2,3,4,7,8-HxCDF	ND	0.515			16-Apr-25 04:42	1
1,2,3,6,7,8-HxCDF	ND	0.497			16-Apr-25 04:42	1
2,3,4,6,7,8-HxCDF	ND	0.575			16-Apr-25 04:42	1
1,2,3,7,8,9-HxCDF	ND	0.720			16-Apr-25 04:42	1
1,2,3,4,6,7,8-HpCDF	ND	0.763			16-Apr-25 04:42	1
1,2,3,4,7,8,9-HpCDF	ND	0.942			16-Apr-25 04:42	1
OCDF	ND	1.98			16-Apr-25 04:42	1
Toxic Equivalent						
TEQMinWHO2005Dioxin	0.00					
Totals						
Total TCDD	ND	0.846				
Total PeCDD	ND	1.44				
Total HxCDD	ND	2.60				
Total HpCDD	ND	2.47				
Total TCDF	ND	0.789				
Total PeCDF	ND	0.647				
Total HxCDF	ND	0.720				
Total HpCDF	ND	0.942				

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	62.7	25 - 164		16-Apr-25 04:42	1
13C-1,2,3,7,8-PeCDD	IS	54.8	25 - 181		16-Apr-25 04:42	1
13C-1,2,3,4,7,8-HxCDD	IS	57.0	32 - 141		16-Apr-25 04:42	1
13C-1,2,3,6,7,8-HxCDD	IS	57.3	28 - 130		16-Apr-25 04:42	1
13C-1,2,3,7,8,9-HxCDD	IS	53.7	32 - 141		16-Apr-25 04:42	1
13C-1,2,3,4,6,7,8-HpCDD	IS	50.1	23 - 140		16-Apr-25 04:42	1
13C-OCDD	IS	37.5	17 - 157		16-Apr-25 04:42	1
13C-2,3,7,8-TCDF	IS	65.9	24 - 169		16-Apr-25 04:42	1
13C-1,2,3,7,8-PeCDF	IS	66.2	24 - 185		16-Apr-25 04:42	1
13C-2,3,4,7,8-PeCDF	IS	61.7	21 - 178		16-Apr-25 04:42	1
13C-1,2,3,4,7,8-HxCDF	IS	57.8	26 - 152		16-Apr-25 04:42	1
13C-1,2,3,6,7,8-HxCDF	IS	56.6	26 - 123		16-Apr-25 04:42	1
13C-2,3,4,6,7,8-HxCDF	IS	56.6	28 - 136		16-Apr-25 04:42	1
13C-1,2,3,7,8,9-HxCDF	IS	58.7	29 - 147		16-Apr-25 04:42	1
13C-1,2,3,4,6,7,8-HpCDF	IS	50.0	28 - 143		16-Apr-25 04:42	1
13C-1,2,3,4,7,8,9-HpCDF	IS	57.7	26 - 138		16-Apr-25 04:42	1
13C-OCDF	IS	40.0	17 - 157		16-Apr-25 04:42	1
37Cl-2,3,7,8-TCDD	CRS	85.7	35 - 197		16-Apr-25 04:42	1

EDL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration

Sample ID: MW-5S **EPA Method 1613B**

Client Data
Name: OnSite Environmental Inc.
Project: 553-8472-006
Matrix: Water
Date Collected: 31-Mar-25 12:23

Laboratory Data
Lab Sample: 2504028-04
QC Batch: B25D112
Sample Size: 1.05 L
Date Received: 04-Apr-25 07:55
Date Extracted: 09-Apr-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.88			16-Apr-25 05:27	1
1,2,3,7,8-PeCDD	ND	1.46			16-Apr-25 05:27	1
1,2,3,4,7,8-HxCDD	ND	3.20			16-Apr-25 05:27	1
1,2,3,6,7,8-HxCDD	ND	3.23			16-Apr-25 05:27	1
1,2,3,7,8,9-HxCDD	ND	3.51			16-Apr-25 05:27	1
1,2,3,4,6,7,8-HpCDD	ND	2.71			16-Apr-25 05:27	1
OCDD	ND	5.94			16-Apr-25 05:27	1
2,3,7,8-TCDF	ND	1.18			16-Apr-25 05:27	1
1,2,3,7,8-PeCDF	ND	4.30			16-Apr-25 05:27	1
2,3,4,7,8-PeCDF	ND	3.43			16-Apr-25 05:27	1
1,2,3,4,7,8-HxCDF	ND	1.36			16-Apr-25 05:27	1
1,2,3,6,7,8-HxCDF	ND	1.44			16-Apr-25 05:27	1
2,3,4,6,7,8-HxCDF	ND	1.72			16-Apr-25 05:27	1
1,2,3,7,8,9-HxCDF	ND	1.86			16-Apr-25 05:27	1
1,2,3,4,6,7,8-HpCDF	ND	0.708			16-Apr-25 05:27	1
1,2,3,4,7,8,9-HpCDF	ND	0.922			16-Apr-25 05:27	1
OCDF	ND	2.85			16-Apr-25 05:27	1
Toxic Equivalent						
TEQMinWHO2005Dioxin	0.00					
Totals						
Total TCDD	ND	1.88				
Total PeCDD	ND	1.46				
Total HxCDD	ND	3.51				
Total HpCDD	ND	2.71				
Total TCDF	ND	1.18				
Total PeCDF	ND		6.88			
Total HxCDF	ND	1.86				
Total HpCDF	ND	0.922				

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	65.1	25 - 164		16-Apr-25 05:27	1
13C-1,2,3,7,8-PeCDD	IS	60.0	25 - 181		16-Apr-25 05:27	1
13C-1,2,3,4,7,8-HxCDD	IS	52.1	32 - 141		16-Apr-25 05:27	1
13C-1,2,3,6,7,8-HxCDD	IS	49.6	28 - 130		16-Apr-25 05:27	1
13C-1,2,3,7,8,9-HxCDD	IS	48.5	32 - 141		16-Apr-25 05:27	1
13C-1,2,3,4,6,7,8-HpCDD	IS	42.5	23 - 140		16-Apr-25 05:27	1
13C-OCDD	IS	32.9	17 - 157		16-Apr-25 05:27	1
13C-2,3,7,8-TCDF	IS	63.3	24 - 169		16-Apr-25 05:27	1
13C-1,2,3,7,8-PeCDF	IS	60.6	24 - 185		16-Apr-25 05:27	1
13C-2,3,4,7,8-PeCDF	IS	63.7	21 - 178		16-Apr-25 05:27	1
13C-1,2,3,4,7,8-HxCDF	IS	50.7	26 - 152		16-Apr-25 05:27	1
13C-1,2,3,6,7,8-HxCDF	IS	48.7	26 - 123		16-Apr-25 05:27	1
13C-2,3,4,6,7,8-HxCDF	IS	48.8	28 - 136		16-Apr-25 05:27	1
13C-1,2,3,7,8,9-HxCDF	IS	52.3	29 - 147		16-Apr-25 05:27	1
13C-1,2,3,4,6,7,8-HpCDF	IS	44.1	28 - 143		16-Apr-25 05:27	1
13C-1,2,3,4,7,8,9-HpCDF	IS	49.3	26 - 138		16-Apr-25 05:27	1
13C-OCDF	IS	34.5	17 - 157		16-Apr-25 05:27	1
37Cl-2,3,7,8-TCDD	CRS	97.4	35 - 197		16-Apr-25 05:27	1

EDL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration

Sample ID: MW-6S **EPA Method 1613B**

Client Data
Name: OnSite Environmental Inc.
Project: 553-8472-006
Matrix: Water
Date Collected: 01-Apr-25 14:55

Laboratory Data
Lab Sample: 2504028-05
QC Batch: B25D112
Sample Size: 1.03 L
Date Received: 04-Apr-25 07:55
Date Extracted: 09-Apr-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.07			18-Apr-25 01:30	1
1,2,3,7,8-PeCDD	ND	1.71			18-Apr-25 01:30	1
1,2,3,4,7,8-HxCDD	ND	2.22			18-Apr-25 01:30	1
1,2,3,6,7,8-HxCDD	ND	2.40			18-Apr-25 01:30	1
1,2,3,7,8,9-HxCDD	ND	2.47			18-Apr-25 01:30	1
1,2,3,4,6,7,8-HpCDD	ND	3.31			18-Apr-25 01:30	1
OCDD	ND	5.61			18-Apr-25 01:30	1
2,3,7,8-TCDF	ND	1.01			18-Apr-25 01:30	1
1,2,3,7,8-PeCDF	ND	0.805			18-Apr-25 01:30	1
2,3,4,7,8-PeCDF	ND	0.791			18-Apr-25 01:30	1
1,2,3,4,7,8-HxCDF	ND	0.725			18-Apr-25 01:30	1
1,2,3,6,7,8-HxCDF	ND	0.703			18-Apr-25 01:30	1
2,3,4,6,7,8-HxCDF	ND	0.867			18-Apr-25 01:30	1
1,2,3,7,8,9-HxCDF	ND	1.05			18-Apr-25 01:30	1
1,2,3,4,6,7,8-HpCDF	ND	0.712			18-Apr-25 01:30	1
1,2,3,4,7,8,9-HpCDF	ND	0.886			18-Apr-25 01:30	1
OCDF	ND	2.49			18-Apr-25 01:30	1
Toxic Equivalent						
TEQMinWHO2005Dioxin	0.00					
Totals						
Total TCDD	ND	1.07				
Total PeCDD	ND	1.71				
Total HxCDD	ND	2.47				
Total HpCDD	ND	3.31				
Total TCDF	ND	1.01				
Total PeCDF	ND	0.805				
Total HxCDF	ND	1.05				
Total HpCDF	ND	0.886				

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	68.0	25 - 164		18-Apr-25 01:30	1
13C-1,2,3,7,8-PeCDD	IS	64.0	25 - 181		18-Apr-25 01:30	1
13C-1,2,3,4,7,8-HxCDD	IS	56.5	32 - 141		18-Apr-25 01:30	1
13C-1,2,3,6,7,8-HxCDD	IS	55.1	28 - 130		18-Apr-25 01:30	1
13C-1,2,3,7,8,9-HxCDD	IS	49.8	32 - 141		18-Apr-25 01:30	1
13C-1,2,3,4,6,7,8-HpCDD	IS	46.3	23 - 140		18-Apr-25 01:30	1
13C-OCDD	IS	38.2	17 - 157		18-Apr-25 01:30	1
13C-2,3,7,8-TCDF	IS	68.6	24 - 169		18-Apr-25 01:30	1
13C-1,2,3,7,8-PeCDF	IS	64.6	24 - 185		18-Apr-25 01:30	1
13C-2,3,4,7,8-PeCDF	IS	66.0	21 - 178		18-Apr-25 01:30	1
13C-1,2,3,4,7,8-HxCDF	IS	56.9	26 - 152		18-Apr-25 01:30	1
13C-1,2,3,6,7,8-HxCDF	IS	57.6	26 - 123		18-Apr-25 01:30	1
13C-2,3,4,6,7,8-HxCDF	IS	54.3	28 - 136		18-Apr-25 01:30	1
13C-1,2,3,7,8,9-HxCDF	IS	55.9	29 - 147		18-Apr-25 01:30	1
13C-1,2,3,4,6,7,8-HpCDF	IS	49.7	28 - 143		18-Apr-25 01:30	1
13C-1,2,3,4,7,8,9-HpCDF	IS	56.5	26 - 138		18-Apr-25 01:30	1
13C-OCDF	IS	41.7	17 - 157		18-Apr-25 01:30	1
37Cl-2,3,7,8-TCDD	CRS	88.9	35 - 197		18-Apr-25 01:30	1

EDL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration

Sample ID: MW-13S **EPA Method 1613B**

Client Data

Name: OnSite Environmental Inc.
Project: 553-8472-006
Matrix: Water
Date Collected: 01-Apr-25 09:00

Laboratory Data

Lab Sample: 2504028-06
QC Batch: B25D112
Sample Size: 1.01 L
Date Received: 04-Apr-25 07:55
Date Extracted: 09-Apr-25
Column: ZB-DIOXIN

Analyte	Conc. (pg/L)	EDL	EMPC	Qualifiers	Analyzed	Dilution
2,3,7,8-TCDD	ND	1.24			16-Apr-25 06:58	1
1,2,3,7,8-PeCDD	ND	1.90			16-Apr-25 06:58	1
1,2,3,4,7,8-HxCDD	ND	1.40			16-Apr-25 06:58	1
1,2,3,6,7,8-HxCDD	ND	1.39			16-Apr-25 06:58	1
1,2,3,7,8,9-HxCDD	ND	1.48			16-Apr-25 06:58	1
1,2,3,4,6,7,8-HpCDD	ND	1.80			16-Apr-25 06:58	1
OCDD	ND	4.25			16-Apr-25 06:58	1
2,3,7,8-TCDF	ND	0.653			16-Apr-25 06:58	1
1,2,3,7,8-PeCDF	ND	0.686			16-Apr-25 06:58	1
2,3,4,7,8-PeCDF	ND	0.569			16-Apr-25 06:58	1
1,2,3,4,7,8-HxCDF	ND	0.578			16-Apr-25 06:58	1
1,2,3,6,7,8-HxCDF	ND	0.552			16-Apr-25 06:58	1
2,3,4,6,7,8-HxCDF	ND	0.658			16-Apr-25 06:58	1
1,2,3,7,8,9-HxCDF	ND	0.752			16-Apr-25 06:58	1
1,2,3,4,6,7,8-HpCDF	ND	0.373			16-Apr-25 06:58	1
1,2,3,4,7,8,9-HpCDF	ND	0.483			16-Apr-25 06:58	1
OCDF	ND	1.79			16-Apr-25 06:58	1
Toxic Equivalent						
TEQMinWHO2005Dioxin	0.00					
Totals						
Total TCDD	ND	1.24				
Total PeCDD	ND	1.90				
Total HxCDD	ND	1.48				
Total HpCDD	ND	1.80				
Total TCDF	ND	0.653				
Total PeCDF	ND	0.686				
Total HxCDF	ND	0.752				
Total HpCDF	ND	0.483				

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Analyzed	Dilution
13C-2,3,7,8-TCDD	IS	73.8	25 - 164		16-Apr-25 06:58	1
13C-1,2,3,7,8-PeCDD	IS	74.0	25 - 181		16-Apr-25 06:58	1
13C-1,2,3,4,7,8-HxCDD	IS	66.4	32 - 141		16-Apr-25 06:58	1
13C-1,2,3,6,7,8-HxCDD	IS	66.5	28 - 130		16-Apr-25 06:58	1
13C-1,2,3,7,8,9-HxCDD	IS	64.4	32 - 141		16-Apr-25 06:58	1
13C-1,2,3,4,6,7,8-HpCDD	IS	63.7	23 - 140		16-Apr-25 06:58	1
13C-OCDD	IS	53.5	17 - 157		16-Apr-25 06:58	1
13C-2,3,7,8-TCDF	IS	74.2	24 - 169		16-Apr-25 06:58	1
13C-1,2,3,7,8-PeCDF	IS	72.6	24 - 185		16-Apr-25 06:58	1
13C-2,3,4,7,8-PeCDF	IS	73.5	21 - 178		16-Apr-25 06:58	1
13C-1,2,3,4,7,8-HxCDF	IS	65.8	26 - 152		16-Apr-25 06:58	1
13C-1,2,3,6,7,8-HxCDF	IS	65.6	26 - 123		16-Apr-25 06:58	1
13C-2,3,4,6,7,8-HxCDF	IS	61.4	28 - 136		16-Apr-25 06:58	1
13C-1,2,3,7,8,9-HxCDF	IS	66.7	29 - 147		16-Apr-25 06:58	1
13C-1,2,3,4,6,7,8-HpCDF	IS	64.2	28 - 143		16-Apr-25 06:58	1
13C-1,2,3,4,7,8,9-HpCDF	IS	66.1	26 - 138		16-Apr-25 06:58	1
13C-OCDF	IS	55.6	17 - 157		16-Apr-25 06:58	1
37Cl-2,3,7,8-TCDD	CRS	88.2	35 - 197		16-Apr-25 06:58	1

EDL - Sample specifc estimated detection limit
EMPC - Estimated maximum possible concentration

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Enthalpy Analytical - EDH Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters can be found at Enthalpy.com/Resources/Accreditations.

2504028 5.9°C

OnSite Environmental Inc.

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

Laboratory Reference #: 04-035

Laboratory: Enthalpy Analytical - El Dorado Hills

Turnaround Request

Project Manager: David Baumeister

Attention: Jennifer Miller

1 Day | 2 Day | 3 Day

email: dbaumeister@onsite-env.com

Address: 1104 Windfield Way, El Dorado Hills, CA 95762

Standard

Project Number: 553-8472-006

Phone Number: (916) 673-1520

Other: _____

Project Name: _____

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
	MW-2S	4/1/25	11:53	W	2	Dioxins/Furans
	MW-3S	3/31/25	14:24	W	2	Dioxins/Furans
	MW-4S	4/1/25	9:55	W	2	Dioxins/Furans
	MW-5S	3/31/25	12:23	W	2	Dioxins/Furans
	MW-6S	4/1/25	14:55	W	2	Dioxins/Furans
	MW-13S	4/1/25	9:00	W	2	Dioxins/Furans

Signature	Company	Date	Time	Comments/Special Instructions
Relinquished by:				
Received by: Kara Arte	Enthalpy EDH	04/04/25	07:55	
Relinquished by:				
Received by:				
Relinquished by:				
Received by:				

CoC/Label Reconciliation Report WO# 2504028

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2504028-01	A MW-2S	☑	01-Apr-25 11:53 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2504028-01	B MW-2S	☑	01-Apr-25 11:53 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2504028-02	A MW-3S	☑	31-Mar-25 14:24 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2504028-02	B MW-3S	☑	31-Mar-25 14:24 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2504028-03	A MW-4S	☑	01-Apr-25 09:55 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2504028-03	B MW-4S	☑	01-Apr-25 09:55 ☐ (A)	Amber Glass NM Bottle, 1L	Aqueous	
2504028-04	A MW-5S	☑	31-Mar-25 12:23 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2504028-04	B MW-5S	☑	31-Mar-25 12:23 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2504028-05	A MW-6S	☑	01-Apr-25 14:55 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2504028-05	B MW-6S	☑	01-Apr-25 14:55 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2504028-06	A MW-13S	☑	01-Apr-25 09:00 ☑	Amber Glass NM Bottle, 1L	Aqueous	
2504028-06	B MW-13S	☑	01-Apr-25 09:00 ☑	Amber Glass NM Bottle, 1L	Aqueous	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

CONDITION	Yes	No	NA
Sample Container Intact?	✓		
Sample Container(s) Custody Seals Intact?			✓
Custody Seals On Cooler Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)?	✓		

Comments:
(A) underlined part of sample date missing

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 (None) Other

Verifed by/Date: XAO 04/04/25
IA 04/04/25

Chain of Custody

OnSite Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Page ___ of ___

Company: Parametrix / DTG
Project Number: 553-8472-006
Project Name: Rocky Top Environmental LPL
Project Manager: Laura Lee
Sampled by: Nguyen & Burke

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days) (TPH analysis 5 Days)
☐ _____ (other)

Laboratory Number: 04-035

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	VOCs (8260D – WAC 173-351 Appendix I) Naphthalene; SIM-VC and 1,2-EDB	NWTPH-Gx	NWTPH-Dx	Tot Priority Pollutant Metals +Fe, Mn, Mg	Total Metals (Fe, Mn, Mg)	Dis. Priority Pollutant Metals +Fe, Mn, Mg, Ca, K, Na	Dissolved Metals (Fe, Mn, Mg, Ca, K, Na)	chloride, sulfate	TDS, Alkalinity, Bicarbonate	Ammonia	TOC	PFAS	Dioxins and Furans 1613	Nitrates (Anatek) – J2	% Moisture
1	MW-2S	4/1	1153	W (H_2O)	18	X	X	X	X		X		X	X	X	X	X	X	X	
2	MW-3S	3/31	1424		18	X	X	X	X		X		X	X	X	X	X	X	X	
3	MW-4S	4/1	955		18	X	X	X	X		X		X	X	X	X	X	X	X	
4	MW-5S / MW-5S MS/MSD	3/31	1223		26	X	X	X	X		X		X	X	X	X	X	X	X	
5	MW-6S	4/1	1455		18	X	X	X	X		X		X	X	X	X	X	X	X	
6	MW-13S	4/1	900		18	X	X	X	X		X		X	X	X	X	X	X	X	
7	MW-7D	3/31	1205		~~10~~ 9 J2	X				X		X	X	X	X	X			X	
8	MW-8D	4/1	1326		~~10~~ 9 J2	X				X		X	X	X	X	X			X	
9	MW-9D	3/31	1425		~~10~~ 9 J2	X				X		X	X	X	X	X			X	
10	MW-10D	3/31	1025		~~10~~ 9 J2	X				X		X	X	X	X	X			X	
11	Trip Blank	4/1	—	↓	2	X														

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Parametrix	4/2/25	1349	
Received		OSE	4/2/25	1349	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Chromatograms with final report ☐

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

Appendix C

First Quarter 2025
Data Quality Evaluation

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Memorandum

DATE:	June 6, 2025
TO:	Project File
FROM:	Katie Burke
SUBJECT:	First Quarter 2025 (A) Data Quality Evaluation
CC:	Lisa Gilbert
PROJECT NUMBER:	553-8472-005
PROJECT NAME:	DTG Yakima Limited Purpose Landfill

A data quality evaluation was conducted for the First Quarter 2025 (A) sampling event at the DTG Yakima Limited Purpose Landfill (LPL). Samples were collected on February 12 February 13, and February 14, 2025, by Parametrix under contract to DTG. The samples were analyzed by OnSite Environmental under two associated work orders:

- Work Order 2502-167: (MW-9D, Trip Blank)
- Work Order 2502-183: (MW-5S, MW-6S, MW-7D, MW-8D, MW-10D, MW-13S, Trip Blank)

The data were evaluated in accordance with EPA guidance (EPA 2020a, 2020b, and 2009) at a Stage 2A level. Sample MW-13S is a field duplicate of MW-6S.

Field Narrative

Groundwater sampling field data sheets were provided by Parametrix.

Laboratory Case Narrative

Samples collected on February 12, 2025 were received by the laboratory on February 13, 2025. The samples collected on February 13 and February 14, 2025, were received by the lab on February 14, 2025. They were maintained at the laboratory at a temperature of 2 to 6 degrees Celsius.

Work Order 2502-167

Volatiles - EPA Method SW8260D.

No VOCs were detected in the trip blank.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The spike blank recoveries and relative percent differences (RPDs) were within control limits.

The percent recovery for Vinyl Acetate is outside the control limits in the Spike Blank (high; 142 outside the 61-138 limit). The lab flagged the spike blank 'V" to reflect the percentage recovery values being outside of the control limits. Since Vinyl Acetate was not detected in the samples, the sample results were not qualified.

The percent recovery is outside the control limits in the MS/MSD for Vinyl Acetate (high; 161 and 147 respectively, outside 54-123). This method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked. The lab flagged Vinyl Acetate "V" for the MS/MSD to reflect the percent recovery values being outside of the control limits. Since Vinyl Acetate was not detected in the samples, the sample results will not be qualified.

Total and Dissolved Metals (EPA Method 6010D).

The sample(s) were digested and analyzed within the recommended holding times.

The method blank(s) were clean at the reporting limits.

The duplicate RPDs were within control limits.

The MS recoveries and relative percent differences (RPDs) were within advisory control limits.

Wet Chemistry.

The sample(s) were prepared and analyzed within the recommended holding times.

The method blank(s) were clean at the reporting limits.

The duplicate RPDs were within control limits.

The MS (if required) and spike blank recoveries and RPDs were within control limits.

Work Order 2502-183

Volatiles - EPA Method SW8260D.

No VOCs were detected in the trip blank.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The spike blank recoveries and relative percent differences (RPDs) were within control limits.

The percent recovery for Vinyl Acetate is outside the control limits in the Spike Blank (high; 142 outside the 61-138 limit). The lab flagged the spike blank 'V" to reflect the percentage recovery values being outside of the control limits. Since Vinyl Acetate was not detected in the samples, the sample results were not qualified.

The percent recovery is outside the control limits in the MS/MSD for Vinyl Acetate (high; 161 and 147 respectively, outside 54-123). This method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked. The lab flagged Vinyl Acetate "V" for the MS/MSD to reflect the percent recovery values being outside of the control limits. Since Vinyl Acetate was not detected in the samples, the sample results will not be qualified.

Total Petroleum Hydrocarbons (NWTPH-Gx and Dx)

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The duplicate RPDs were within control limits.

Field Duplicate Evaluation

Relative Percent Differences (RPDs) were calculated for the results of sample MW-6S and duplicate MW-13S. Field Duplicate Relative Percent Difference Calculations are included in Attachment A.

The duplicate percent RPDs were within control limits for all analytes.

Data Qualification

No data were qualified.

References

EPA (U.S. Environmental Protection Agency). 2002. Guidance on Environmental Data Verification and Data Validation. EPA QA/G-8. EPA240R-02/004.

EPA. 2020a. National Functional Guidelines for Inorganic Superfund Data Review. EPA 540R- 2017-001. November.

EPA. 2020b. National Functional Guidelines for Organic Superfund Data Review. EPA 542-R-20-006. November.

Attachment A

First Quarter 2025 (A) Field Duplicate Relative Percent Difference Calculations

DTG Yakima LPL Field Duplicate Relative Percent Difference Calculations
553-8472-005

First Quarter 2025 (A)
Sample Dates: 2/12/25-2/14/25
Sample numbers: On-Site Environmental 2502-183: MW-5S, MW-6S, MW-7D, MW-8D, MW-10D, MW-13S, Trip Blank
On-Site Environmental 2502-167: MW-9D, Trip Blank
DUP MW-13S collected at MW-6S
Completed by: Katie Burke 4/10/2025

Groundwater	sample	duplicate	avg	diff	RPD	=/<25%?	RL	w/in RL?
units = mg/L	**MW-6S**	**MW-13S**						
Iron, Total	0.12	0.16	0.14	-0.04	28.6	n	0.050	y
Magnesium, Total	30	31	30.50	-1	3.3	y	1.0	
Manganese, Total	0.30	0.32	0.31	-0.02	6.5	y	0.010	
Calcium, Dissolved	41	40	40.50	1	2.5	y	1.1	
Iron, Dissolved	<0.056	<0.056	n/a	n/a	n/a		0.056	y
Magnesium, Dissolved	28	28	28.00	0	0.0	y	1.1	
Manganese, Dissolved	<0.011	<0.011	n/a	n/a	n/a		0.011	y
Potassium, Dissolved	4.1	3.9	4.00	0.2	5.0	y	1.1	
Sodium, Dissolved	16	13	14.50	3	20.7	y	1.1	
Nitrate	11	10	10.50	1	9.5	y	0.050	
Chloride	60	62	61.00	-2	3.3	y	2.0	
Sulfate	56	50	53.00	6	11.3	y	20	
TDS	340	330	335.00	10	3.0	y	13	
Alkalinity	84	84	84.00	0	0.0	y	2.0	
Bicarbonate	84	84	84.00	0	0.0	y	2.0	
Ammonia	<0.053	<0.053	n/a	n/a	n/a		0.053	y
TOC	3.1	3.2	3.15	-0.1	3.2	y	1.0	
TPH-Gasoline (ug/L)	<100	<100	n/a	n/a	n/a		100	y
TPH-Diesel	<0.20	<0.20	n/a	n/a	n/a		0.20	y
TPH-Oil	<0.20	<0.20	n/a	n/a	n/a		0.20	y

VOCs None detected

Comments: No data qualified.

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Memorandum

DATE:	June 6, 2025
TO:	Project File
FROM:	Chris Bourgeois
SUBJECT:	First Quarter 2025 (B) Data Quality Evaluation
CC:	Lisa Gilbert
PROJECT NUMBER:	553-8472-009
PROJECT NAME:	DTG Yakima Limited Purpose Landfill

A data quality evaluation was conducted for the First Quarter 2025 (B) sampling event at the DTG Yakima Limited Purpose Landfill (LPL). Samples were collected on March 25, and on March 31 and April 1, 2025 during a subsequent mobilization by Parametrix under contract to DTG. Samples were submitted to OnSite Environmental and Anatek Labs, which performed Nitrate analyses under subcontract to OnSite. A subset of the samples collected on March 31 and April 1 were additionally analyzed for dioxins and furans by Entropy Analytical and PFAS by ALS Environmental, both under subcontract to OnSite. The results were reported under two separate OnSite work orders:

- Work Order 2503-357: (Leachate, collected March 25, 2025)
    - Anatek Work Order YFC0620 (Nitrates by Hach 10206)
- Work Order 2504-035: (MW-2S, MW-3S, MW-4S, MW-5S, MS-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S, trip blank, collected March 31 and April 1, 2025)
    - Anatek Work Order YFD0004 (Nitrates by Hach 10206)
    - Anatek Work Order YFD0072 (Nitrates by Hach 10206)
    - Enthalpy Work Order 2504028 (Dioxins and Furans by EPA Method 1613B)
    - ALS Environmental Service Request K2503482 (PFAS by Draft EPA Method 1633)

The data were evaluated in accordance with EPA guidance (EPA 2020a, 2020b, and 2009) at a Stage 2A level. Sample MW-13S is a field duplicate of MW-6S. Extra sample volume was collected from well MW-5S for matrix spike/matrix spike duplicate (MS/MSD) QC analyses.

Field Narrative

Groundwater sampling field data sheets were provided by Parametrix.

Laboratory Case Narrative

Samples collected on March 25, 2025 were received by the laboratories (OnSite and Anatek) on March 26, 2025. Samples collected on March 31 and April 1, 2025 were received by Anatek on April 1, 2025 and OnSite on April 2, 2025. All samples were maintained at a temperature of 2 to 6 degrees Celsius by the laboratories.

Work Order 2503-357

Volatiles - EPA Method 8260D/SIM.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The spike blank and spike blank duplicate recoveries and relative percent differences (RPDs) were within control limits, except for percent recovery of Dibromochloromethane in the spike blank duplicate (low; 67, outside the 81-131 limit), and the associated Dibromochloromethane spike blank/spike blank duplicate RPD (45%; above the 15% limit). The lab flagged the spike blank and spike blank duplicate analysis for Dibromochloromethane "I,L" to reflect the recovery and RPD results outside of control limits. The method allows for a percentage of the compounds to fall outside of the control limits due to the large number of analytes being spiked, therefore no data were qualified.

The MS recoveries and relative percent differences (RPDs) were within control limits.

Total Metals (EPA Method 6010D).

The sample(s) were digested and analyzed within the recommended holding times.

The method blank(s) were clean at the reporting limits.

The duplicate RPDs were within control limits.

The MS recoveries and relative percent differences (RPDs) were within advisory control limits.

Wet Chemistry

The sample(s) were prepared and analyzed within the recommended holding times.

The method blank(s) were clean at the reporting limits.

The duplicate RPDs were within control limits.

The MS (if required) and spike blank recoveries and RPDs were within control limits.

Nitrates - Hach 10206

The laboratory did not note any problems with quality control.

Work Order 2504-035

Volatiles - EPA Method 8260D/SIM.

No VOCs were detected in the trip blank.

The surrogate percent recoveries were within control limits.

The method blank(s) were clean at the reporting limits.

The trip blanks were clean at the reporting limits.

The spike blank recoveries and relative percent differences (RPDs) were within control limits.

The MS and spike blank recoveries and RPDs were within control limits, except for the MS/MSD RPD for Acetone and Methyl Isobutyl Ketone (18, above 17 limit; and 14, equal to 14 limit, respectively) and the MSD percent recovery for 1,2,3-Trichloropropane and 1,2-Dichlorobenzene (high; 127, outside limit of 61-125; and high; 129, outside limit of 79-127, respectively). The lab flagged the MS/MSD RPD exceedances "W" and the MSD percent recovery exceedances as "V", citing matrix effects for the exceedances. None of the flagged analytes were detected in the associated samples, therefore no data were qualified.

Total Petroleum Hydrocarbons (NWTPH-Gx and Dx)

The surrogate percent recoveries were within control limits.

The MS and MSD (if required) recoveries and RPDs were within control limits.

The method blank(s) were clean at the reporting limits.

The duplicate RPDs were within control limits.

Total and Dissolved Metals (EPA Method 200.8/6010D/7470A).

The sample(s) were digested and analyzed within the recommended holding times.

The method blank(s) were clean at the reporting limits.

The duplicate RPDs were within control limits.

The MS recoveries and relative percent differences (RPDs) were within advisory control limits.

Wet Chemistry

The sample(s) were prepared and analyzed within the recommended holding times.

The method blank(s) were clean at the reporting limits.

The MS (if required) and spike blank recoveries and RPDs were within control limits.

PFAS (Draft EPA Method 1633)

The surrogate percent recoveries were within control limits.

The spike blank and spike blank duplicate recoveries and relative percent differences (RPDs) were within control limits.

The method blank(s) were clean at the reporting limits.

Several analytes were detected at concentrations above the MDL but below the MRL, and were therefore J-flagged as estimated values by the laboratory. J-flagged detections include:

- Perfluorohexane sulfonic acid (PFHxS): MW-3S; MW-4S; MW-6S; MW-13S (MW-6S DUP)
- Perfluorooctane sulfonic acid (PFOS): MW-3S
- Perfluoropentane sulfonic acid (PFPeS): MW-3S; MW-6S; MW-13S (MW-6S DUP)
- Perfluorobutane sulfonic acid (PFBS): MW-4S
- Perfluorohexane sulfonic acid (PFHxS): MW-3S; MW-4S; MW-6S; MW-13S (MW-6S DUP)

- Perfluorooctanoic acid (PFOA): MW-4S
- Perfluoroheptanoic acid (PFHpA): MW-5S
- Perfluorohexanoic acid (PFHxA): MW-6S

The upper control criterion was exceeded for one or more analytes in several Continuing Calibration Verifications (CCVs). The field samples analyzed in this sequence did not contain the analyte in question. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required and no sample data were qualified.

The control criteria were exceeded for one or more isotopes in several Continuing Calibration Verifications (CCVs). The recovery of the associated native analyte was within control criteria, which indicated the analysis was in control, or were biased high, as noted above. No further corrective action was appropriate and no sample data were qualified.

Manual integration of one or more chromatographic peaks in multiple samples was required to correct the integration performed by the automated data processing program. The manual integration was performed in accordance with ALS policy, which is consistent with the National Environmental Laboratory Accreditation Program (NELAP), Department of Defense (DOD), and other certifying agencies. No sample data were qualified.

The results reported for n-Methylperfluorooctane sulfonamide (MeFOSA) in Low Level Lab Control Sample (LCS_LL) KQ2505161-07 may contain a bias. The ion ratio criteria were not met. The failing ratio may indicate a bias to the results in the associated samples. The analyte in question was not detected in the associated field samples. The data quality was not significantly affected. The LCS_LL results were flagged with "I" to indicate the issue. No sample data were qualified.

Total Suspended Solids (SM 2540D)

The spike blank recovery was within control limits.

Nitrates (Hach 10206)

The laboratory did not note any problems with quality control (both Anatek work orders).

Dioxins/Furans EPA Method 1613B

The samples were extracted and analyzed within the method hold times.

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limit in the Method Blank. The OPR recoveries were within the method acceptance criteria.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

Several analytes were detected at concentrations above the MDL but below the MRL, and were therefore J-flagged as estimated values by the laboratory. J-flagged detections include 1,2,3,4,6,7,8-HpCDF, OCDF, and Total HpCDF in sample MW-2S.

Field Duplicate Evaluation

Relative Percent Differences (RPDs) were calculated for the results of sample MW-6S and duplicate MW-13S. Field Duplicate Relative Percent Difference Calculations are included in Attachment A.

The duplicate percent RPDs were within control limits for all analytes.

Data Qualification

Several analytes were detected at concentrations above the MDL but below the MRL, and were therefore J-flagged as estimated values by the laboratory. J-flagged detections include:

- Perfluorohexane sulfonic acid (PFHxS): MW-3S; MW-4S; MW-6S; MW-13S (MW-6S DUP)
- Perfluorooctane sulfonic acid (PFOS): MW-3S
- Perfluoropentane sulfonic acid (PFPeS): MW-3S; MW-6S; MW-13S (MW-6S DUP)
- Perfluorobutane sulfonic acid (PFBS): MW-4S
- Perfluorohexane sulfonic acid (PFHxS): MW-3S; MW-4S; MW-6S; MW-13S (MW-6S DUP)
- Perfluorooctanoic acid (PFOA): MW-4S
- Perfluoroheptanoic acid (PFHpA): MW-5S
- Perfluorohexanoic acid (PFHxA): MW-6S
- 1,2,3,4,6,7,8-HpCDF: MW-2S
- HpCDF: MW-2S
- Total HpCDF: MW-2S

References

EPA (U.S. Environmental Protection Agency). 2002. Guidance on Environmental Data Verification and Data Validation. EPA QA/G-8. EPA240R-02/004.

EPA. 2020a. National Functional Guidelines for Inorganic Superfund Data Review. EPA 540R- 2017-001. November.

EPA. 2020b. National Functional Guidelines for Organic Superfund Data Review. EPA 542-R-20-006. November.

Attachment A

First Quarter 2025 (B) Field Duplicate Relative Percent Difference Calculations

Rocky Top Environmental LPL Field Duplicate Relative Percent Difference Calculations
553-8472-009

First Quarter (B) 2025

Sample Dates: 3/31/2025, 4/1/2025 (Leachate Sample collected 3/25/2025 under OnSite Environmental work order 2503-357)

Sample numbers: On-Site Environmental 2504-035: MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-6S DUP), Trip Blank
Enthalpy Analytical 2504028: MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-13S (MW-6S DUP)
ALS Environmental K2503482: MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-13S MW-13S (MW-6S DUP)
Anatek Labs YFD0004: MW-3S, MW-5S, MW-7D, MW-9D, MW-10D, MW-13S (MW-6S DUP)
Anatek Labs YFD0072: MW-2S, MW-4S, MW-6S, MW-8D, MW-13S (MW-6S DUP)

DUP MW-13S collected at MW-6S

Completed by: Chris Bourgeois 5/6/2025

Groundwater	sample	duplicate	avg	diff	RPD	=/<30%?	PQL/LOQ	[1]w/in PQL/LOQ?
units = mg/L	**MW-6S**	**MW-13S**						
Antimony, Total	<0.0056	<0.0056	n/a	n/a	n/a		0.006	y
Arsenic, Total	<0.0033	<0.0033	n/a	n/a	n/a		0.0033	y
Beryllium, Total	<0.011	<0.011	n/a	n/a	n/a		0.011	y
Cadmium, Total	<0.0044	<0.0044	n/a	n/a	n/a		0.0044	y
Chromium, Total	<0.011	<0.011	n/a	n/a	n/a		0.011	y
Copper, Total	<0.011	<0.011	n/a	n/a	n/a		0.011	y
Iron, Total	<0.056	<0.056	n/a	n/a	n/a		0.056	y
Lead, Total	<0.0011	<0.056	n/a	n/a	n/a		0.0011	y
Magnesium, Total	29	30	29.50	-1	3.4	y	1.1	
Manganese, Total	0.018	0.020	0.02	-0.002	10.5	y	0.011	
Mercury, Total	<0.00050	<0.00050	n/a	n/a	n/a		0.0005	y
Nickel, Total	<0.022	<0.022	n/a	n/a	n/a		0.022	y
Selenium, Total	<0.0056	<0.0056	n/a	n/a	n/a		0.0056	y
Silver, Total	<0.011	<0.011	n/a	n/a	n/a		0.011	y
Thallium, Total	<0.0056	<0.0056	n/a	n/a	n/a		0.0056	y
Zinc, Total	<0.028	<0.028	n/a	n/a	n/a		0.028	y
Antimony, Dissolved	<0.0050	<0.0050	n/a	n/a	n/a		0.0050	y
Arsenic, Dissolved	<0.0030	<0.0030	n/a	n/a	n/a		0.0030	y
Beryllium, Dissolved	<0.010	<0.010	n/a	n/a	n/a		0.010	y
Cadmium, Dissolved	<0.0040	<0.0040	n/a	n/a	n/a		0.0040	y
Calcium, Dissolved	48	48	48.00	0	0.0	y	1.1	
Chromium, Dissolved	<0.010	<0.010	n/a	n/a	n/a		0.010	y
Copper, Dissolved	<0.010	<0.010	n/a	n/a	n/a		0.010	y
Iron, Dissolved	<0.056	<0.056	n/a	n/a	n/a		0.056	y
Lead, Dissolved	<0.0010	<0.0010	n/a	n/a	n/a		0.0010	
Magnesium, Dissolved	32	32	32.00	0	0.0	y	1.1	
Manganese, Dissolved	<0.011	<0.011	n/a	n/a	n/a		0.011	y
Mercury, Dissolved	<0.00050	<0.00050	n/a	n/a	n/a		0.00050	y
Nickel, Dissolved	<0.020	<0.020	n/a	n/a	n/a		0.020	y
Potassium, Dissolved	3.9	4.2	4.05	-0.3	7.4	y	1.1	
Selenium, Dissolved	<0.0050	<0.0050	n/a	n/a	n/a		0.0050	y
Silver, Dissolved	<0.010	<0.010	n/a	n/a	n/a		0.010	y
Sodium, Dissolved	18	18	18.00	0	0.0	y	1.1	
Thallium, Dissolved	<0.0050	<0.0050	n/a	n/a	n/a		0.0050	y
Zinc, Dissolved	<0.025	<0.025	n/a	n/a	n/a		0.025	y
Nitrate	11.3	11.6	11.45	-0.3	2.6	y	0.200	
Chloride	62	64	63.00	-2	3.2	y	2.0	
Sulfate	51	54	52.50	-3	5.7	y	20	
TDS	390	430	410.00	-40	9.8	y	13	
Alkalinity	86	86	86.00	0	0.0	y	2.0	
Bicarbonate	86	86	86.00	0	0.0	y	2.0	
Ammonia	<0.053	<0.053	n/a	n/a	n/a		0.053	y
TOC	3.0	3.1	3.05	-0.1	3.3	y	1.0	
TPH-Gasoline (ug/L)	<100	<100	n/a	n/a	n/a		100	y
TPH-Diesel	<0.20	<0.21	n/a	n/a	n/a		0.20/0.21	y
TPH-Oil	<0.20	<0.21	n/a	n/a	n/a		0.20/0.21	y
VOCs	None detected							
units = ng/L								
Perfluorobutane sulfonic acid (PFBS)	6.3	6.9	6.6	-0.6	9.1	y	4.7/4.5	
Perfluoropentane sulfonic acid (PFPeS)	1.1	1.0	1.05	0.1	9.5	y	4.7/4.5	
Perfluorohexane sulfonic acid (PFHxS)	1.1	1.0	1.05	0.1	9.5	y	4.7/4.5	
Perfluoroheptane sulfonic acid (PFHpS)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorooctane sulfonic acid (PFOS)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorononane sulfonic acid (PFNS)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorodecane sulfonic acid (PFDS)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorododecane sulfonic acid (PFDoS)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorobutanoic acid (PFBA)	9.5	9.6	9.6	-0.1	1.0	y	4.7/4.5	
Perfluoropentanoic acid (PFPeA)	8.1	7.9	8.0	0.2	2.5	y	4.7/4.5	
Perfluorohexanoic acid (PFHxA)	4.7	4.9	4.80	-0.2	4.2	y	4.7/4.5	
Perfluoroheptanoic acid (PFHpA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorooctanoic acid (PFOA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorononanoic acid (PFNA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorodecanoic acid (PFDA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluoroundecanoic acid (PFUnDA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorododecanoic acid (PFDOA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorotridecanoic acid (PFTrDA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorotetradecanoic acid (PFTDA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluorooctane sulfonamide (PFOSAm)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
N-Methylperfluorooctane sulfonamide (MeFOSA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
N-Ethylperfluorooctane sulfonamide (EtFOSAm)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
N-Methylperfluorooctane sulfonamido ethanol (MeFOSE)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
N-Ethylperfluorooctane sulfonamido ethanol (EtFOSE)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
N-Methylperfluorooctane sulfonamido acetic acid (NMeFOSAA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
N-Ethylperfluorooctane sulfonamido acetic acid (NEtFOSAA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid (4:2 FTS)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
1H, 1H, 2H, 2H-Perfluorooctanesulfonic acid (6:2 FTS)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
4,4,5,5,6,6,6-Heptafluorohexanoic acid (3:3 FTCA)	<190	<180	n/a	n/a	n/a		190/180	y
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	<190	<180	n/a	n/a	n/a		190/180	y
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	<190	<180	n/a	n/a	n/a		190/180	y
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-Cl-PF3ONS)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-Cl-PF3OUdS)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluoro-3-methoxypropanoic acid (PFMPA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Perfluoro-4-methoxybutanoic acid (PFMBA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Hexafluoropropyleneoxide dimer acid (HFPO-DA) (GenX)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	<4.7	<4.5	n/a	n/a	n/a		4.7/4.5	y
Dioxins and Furans	None detected							

Comments: No data qualified.

Notes

[1] = Secondary comparison. When a RPD calculation is not available or is above limits, a reportling limit comparison is done.

RPD = Relative percent difference

LOQ = Limit of Quantitation

PQL= Practical Quantitation Limit, referred to as Limit of Quantitation (LOQ) in ALS analytical report

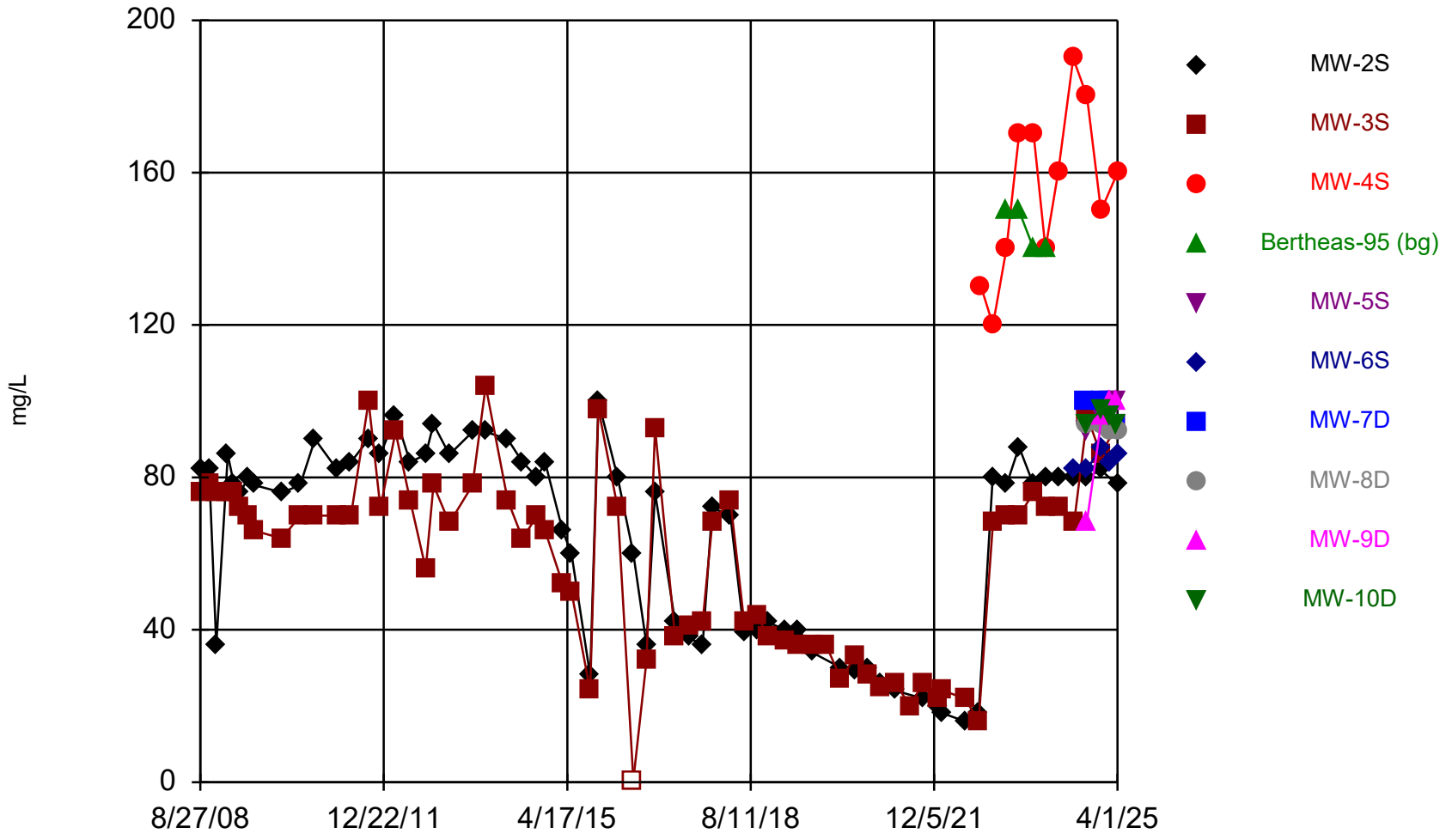
n/a = Not applicable

Appendix D

Time-Series Plots

Hollow symbols indicate censored values.

Time Series

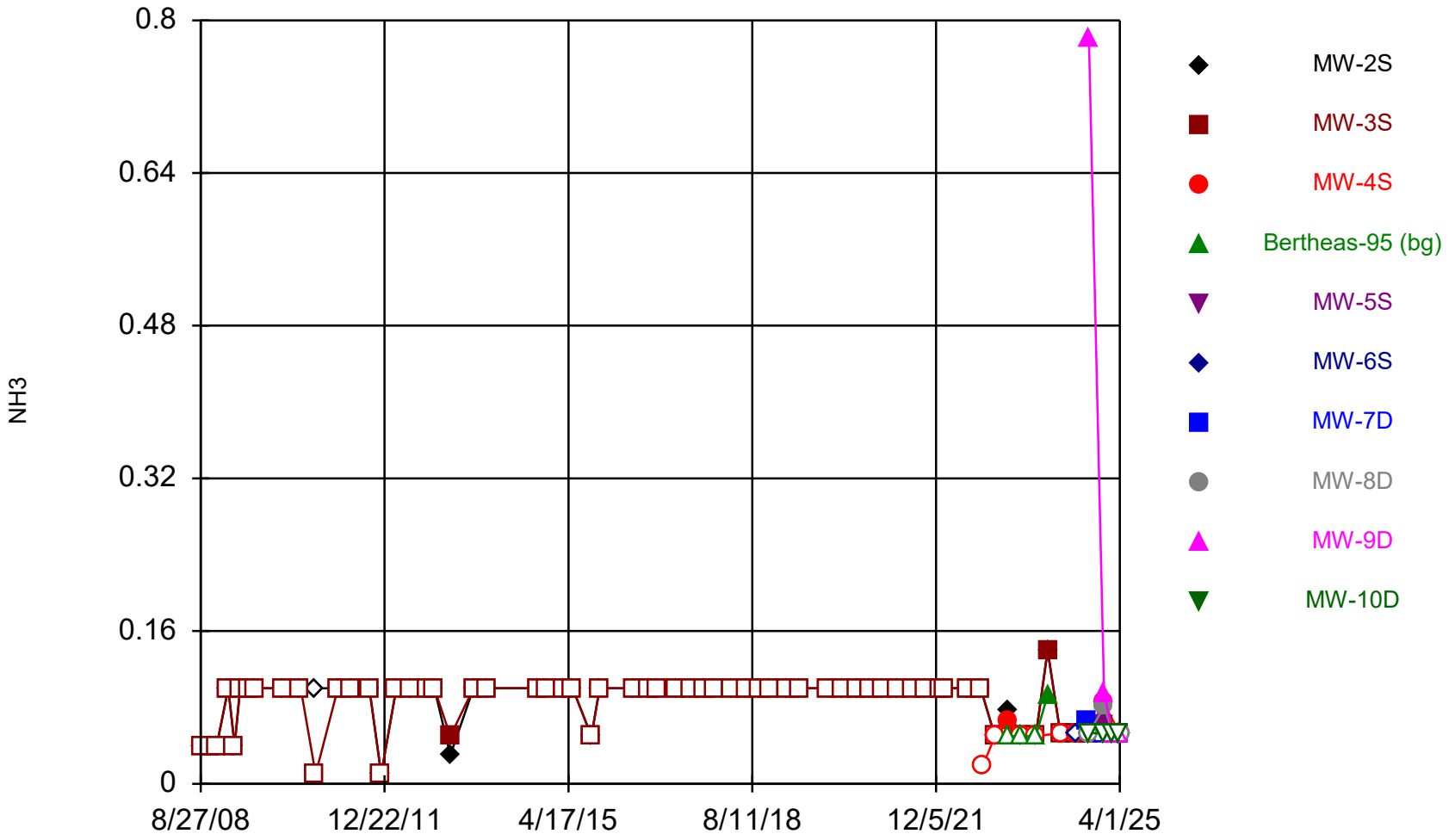


Constituent: Alkalinity, Total Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

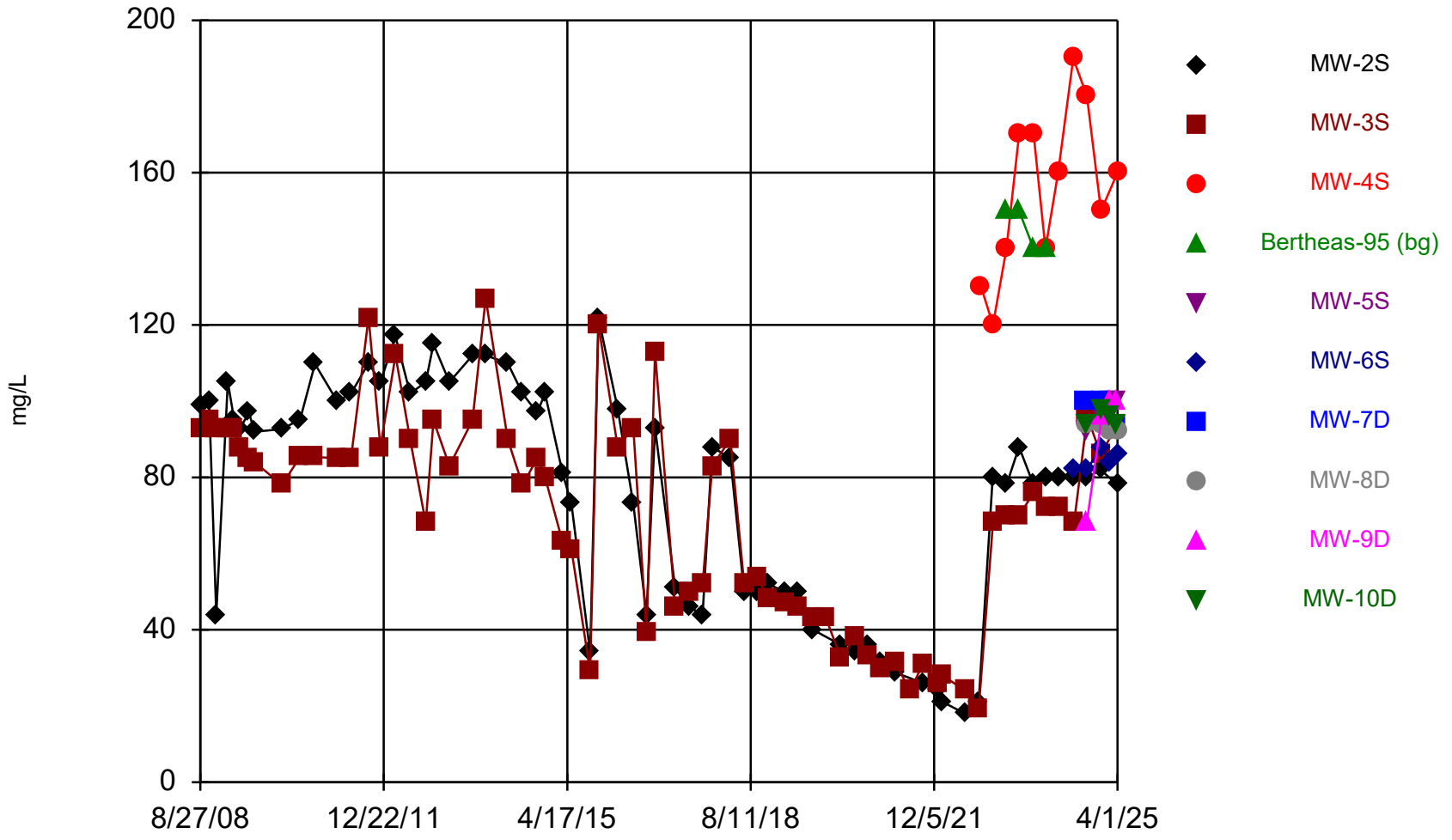
Time Series



Constituent: Ammonia Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

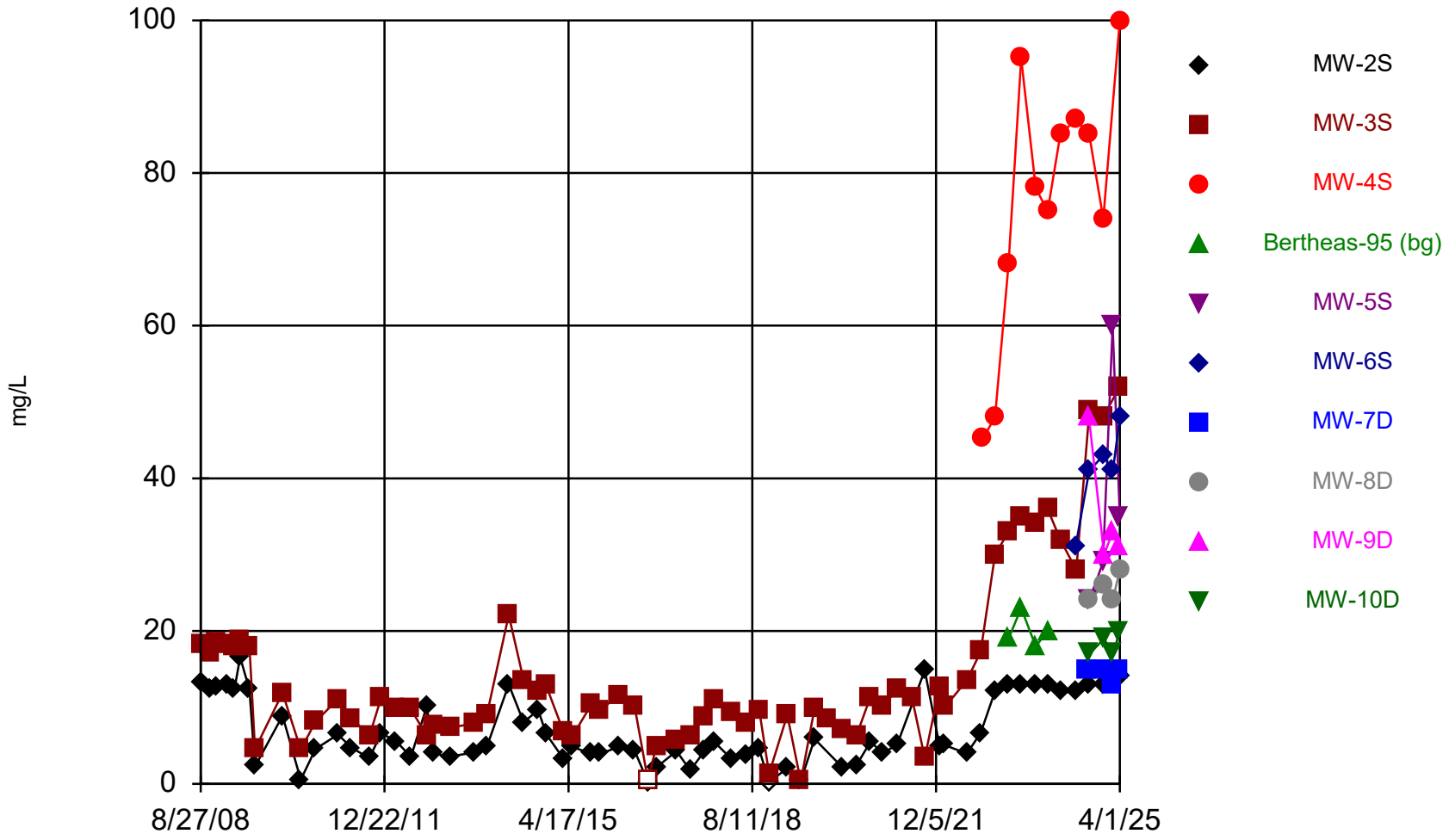


Constituent: Bicarbonate Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series

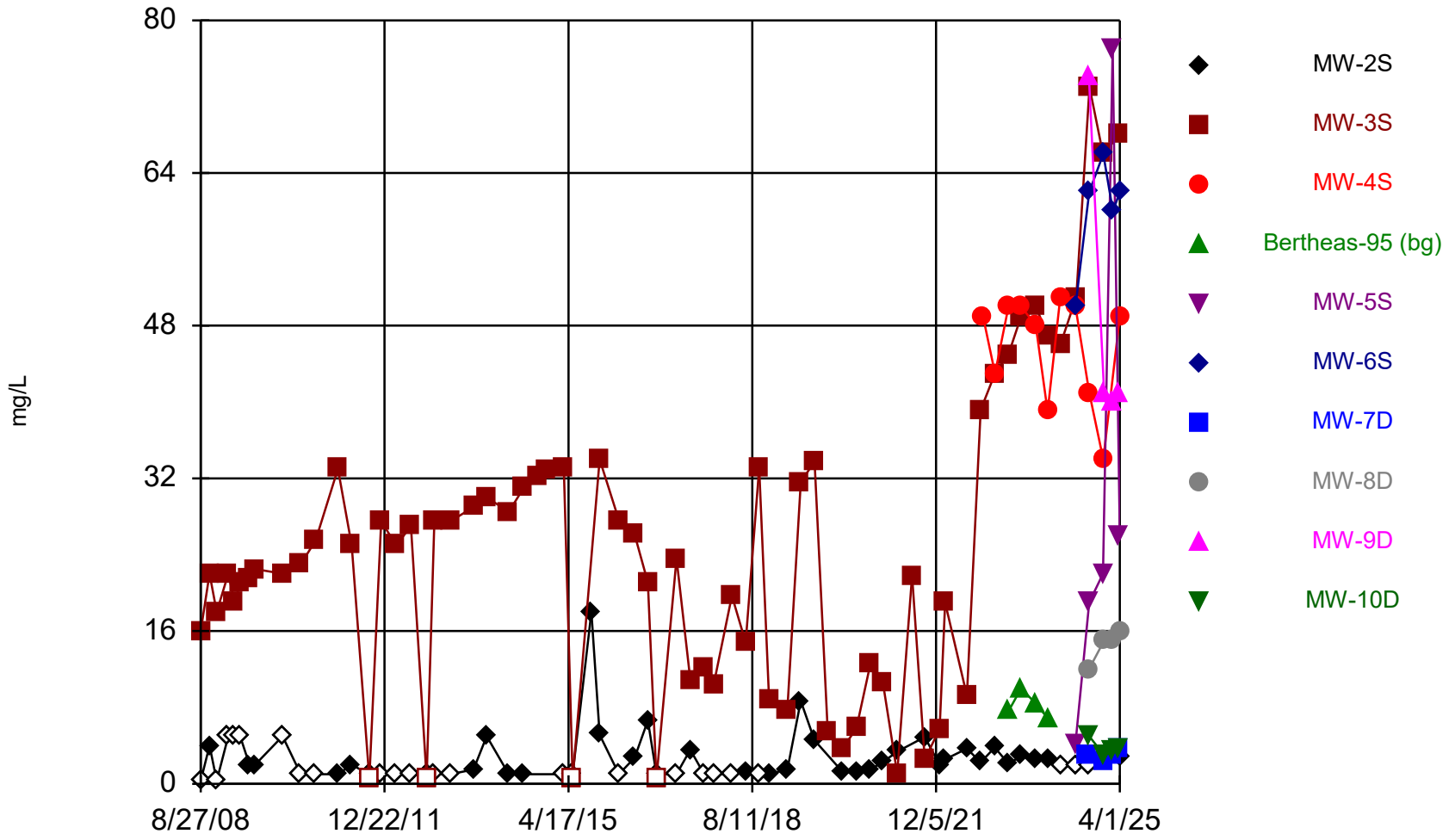


Constituent: Calcium, Dissolved Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

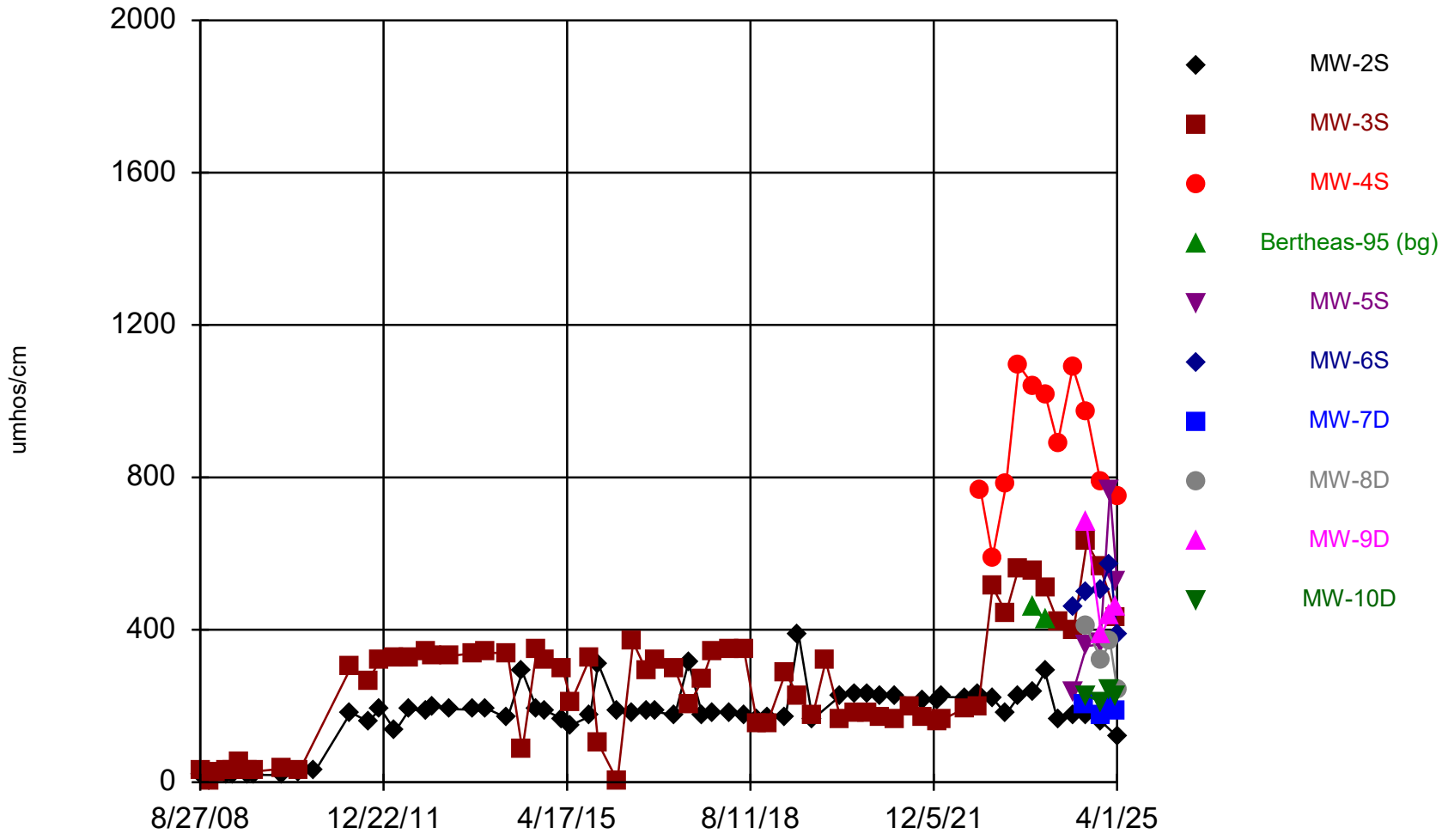
Time Series



Constituent: Chloride Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series



Constituent: Conductivity Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

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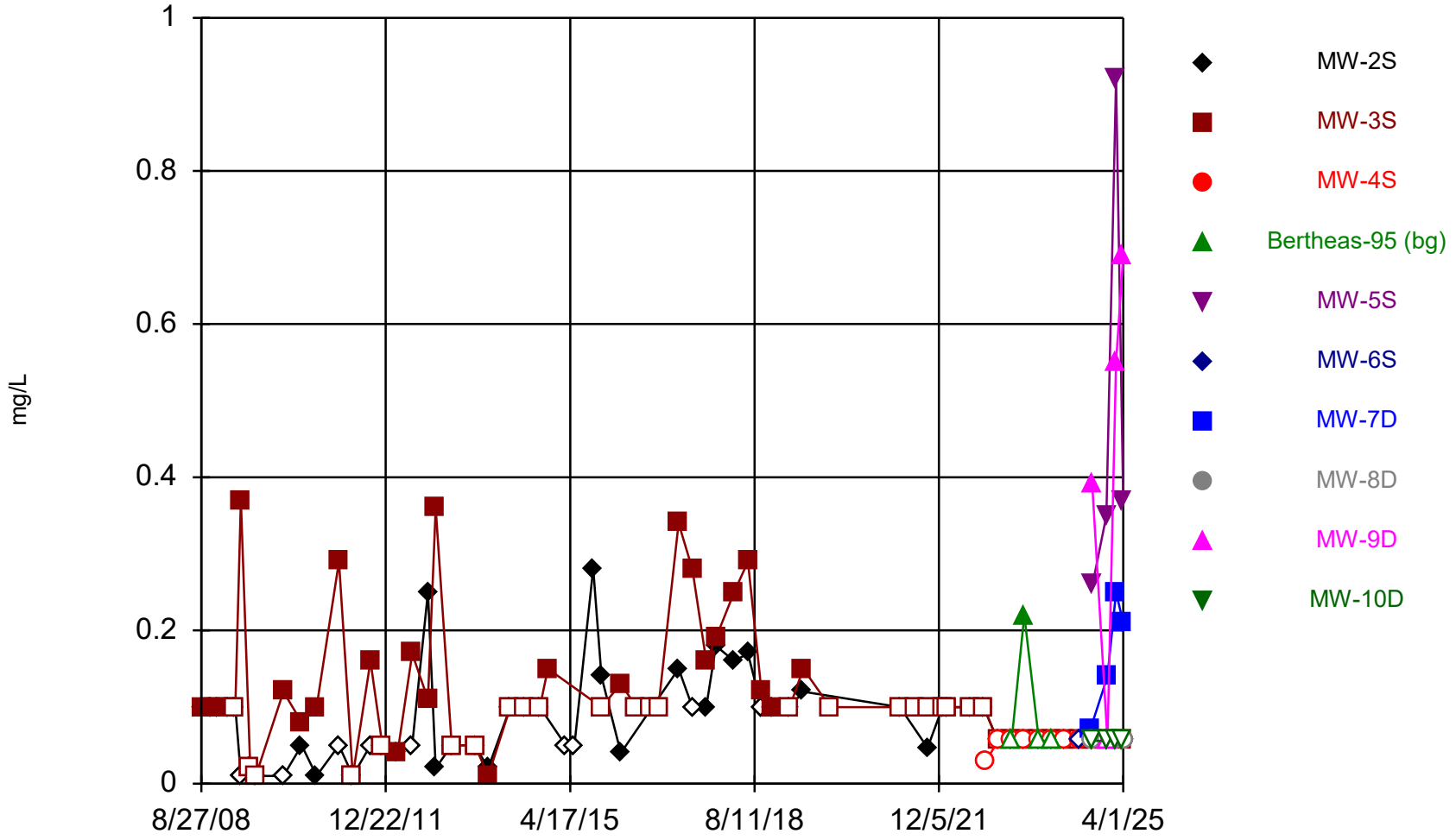
Hollow symbols indicate censored values.

Time Series

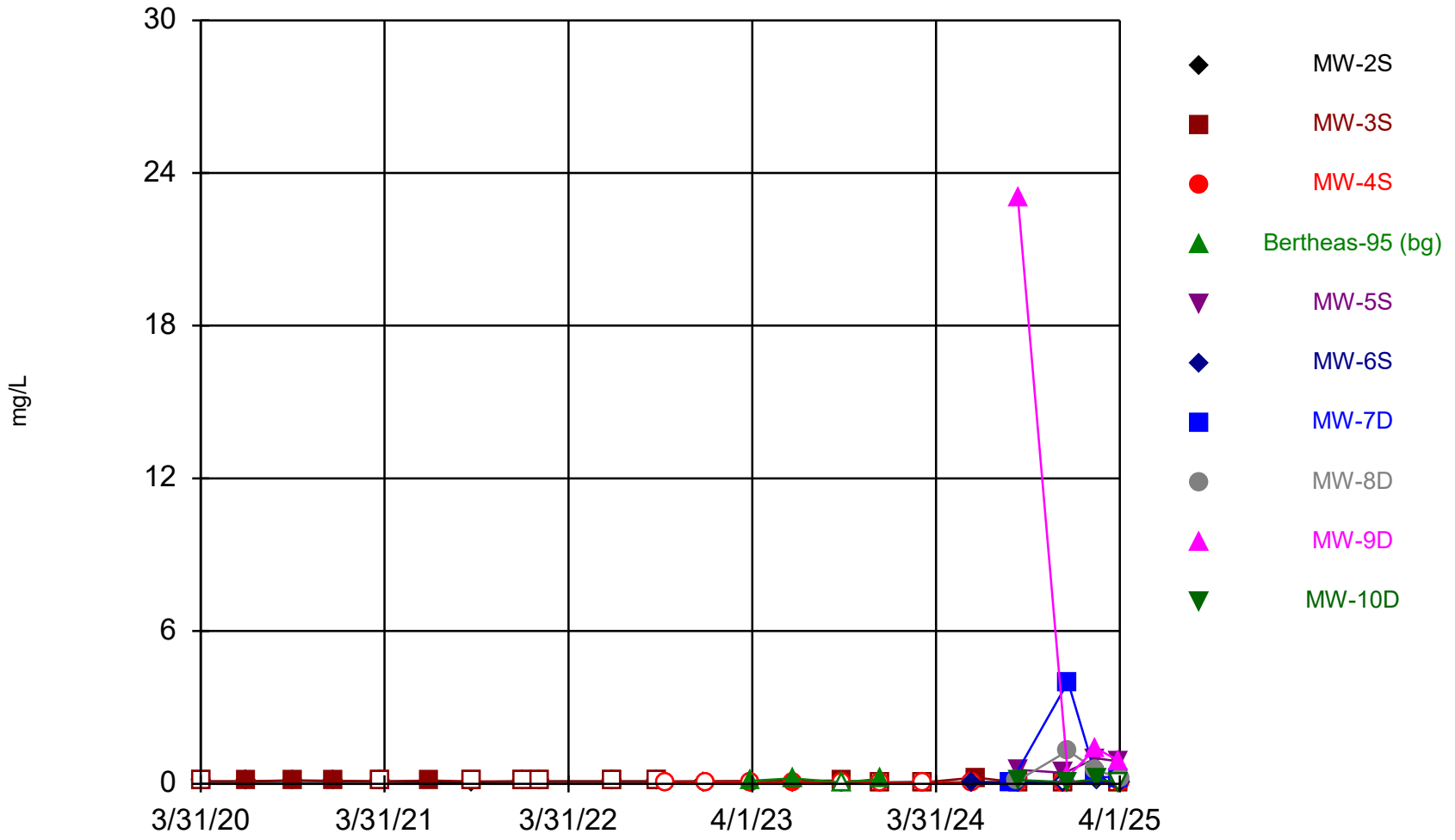


Constituent: Iron, Dissolved Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series

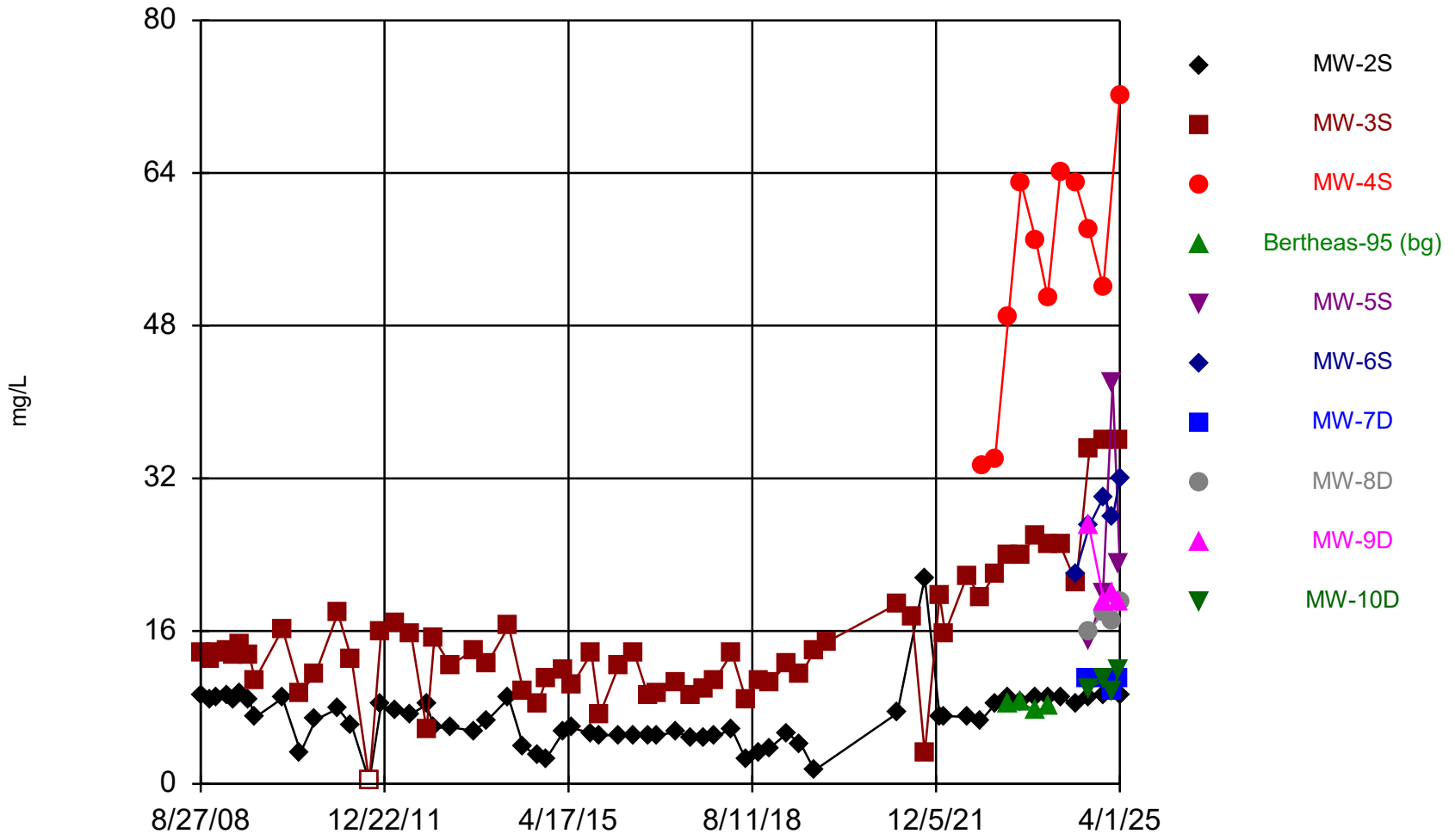


Constituent: Iron, Total Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

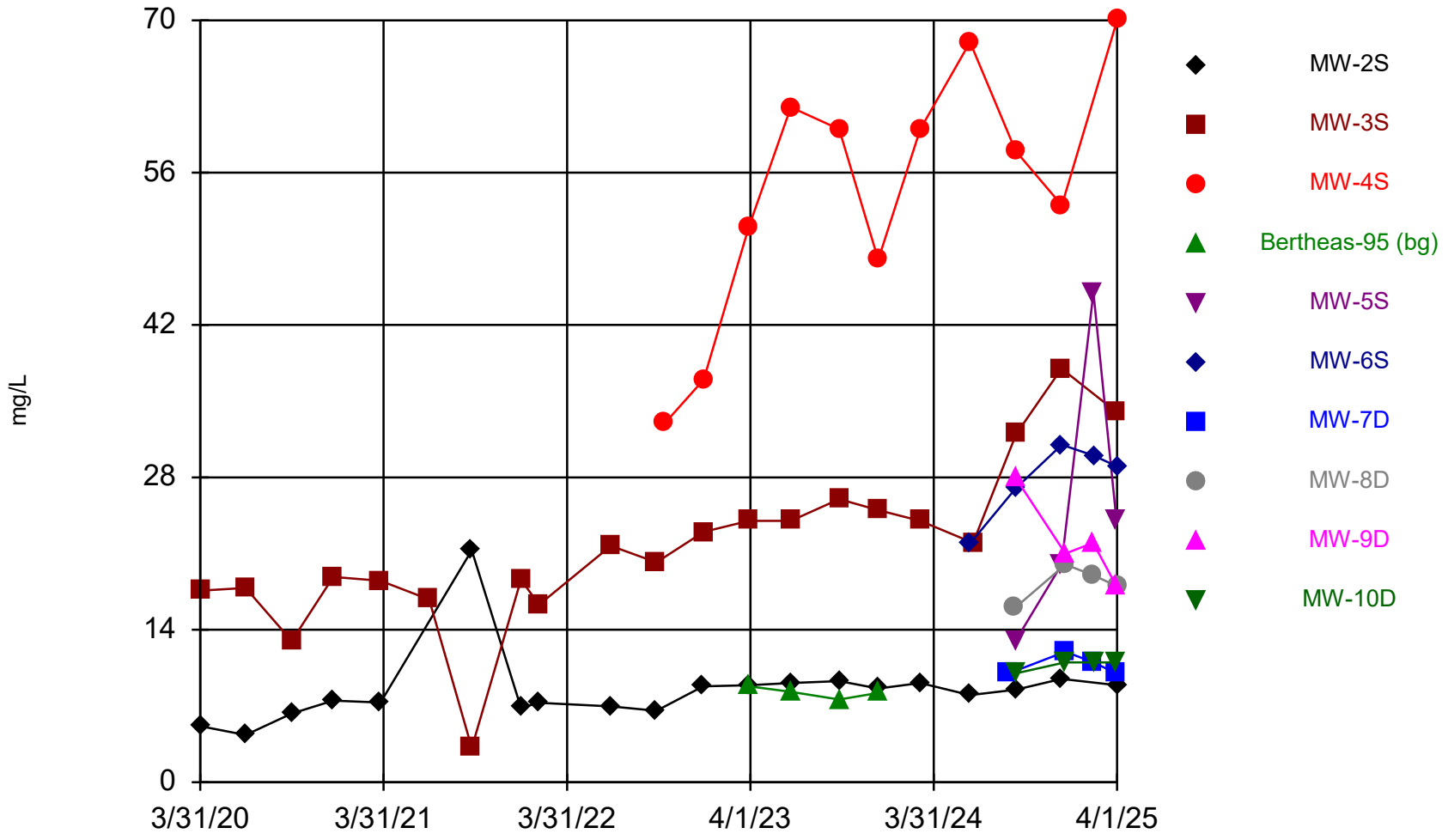
Time Series



Constituent: Magnesium, Dissolved Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

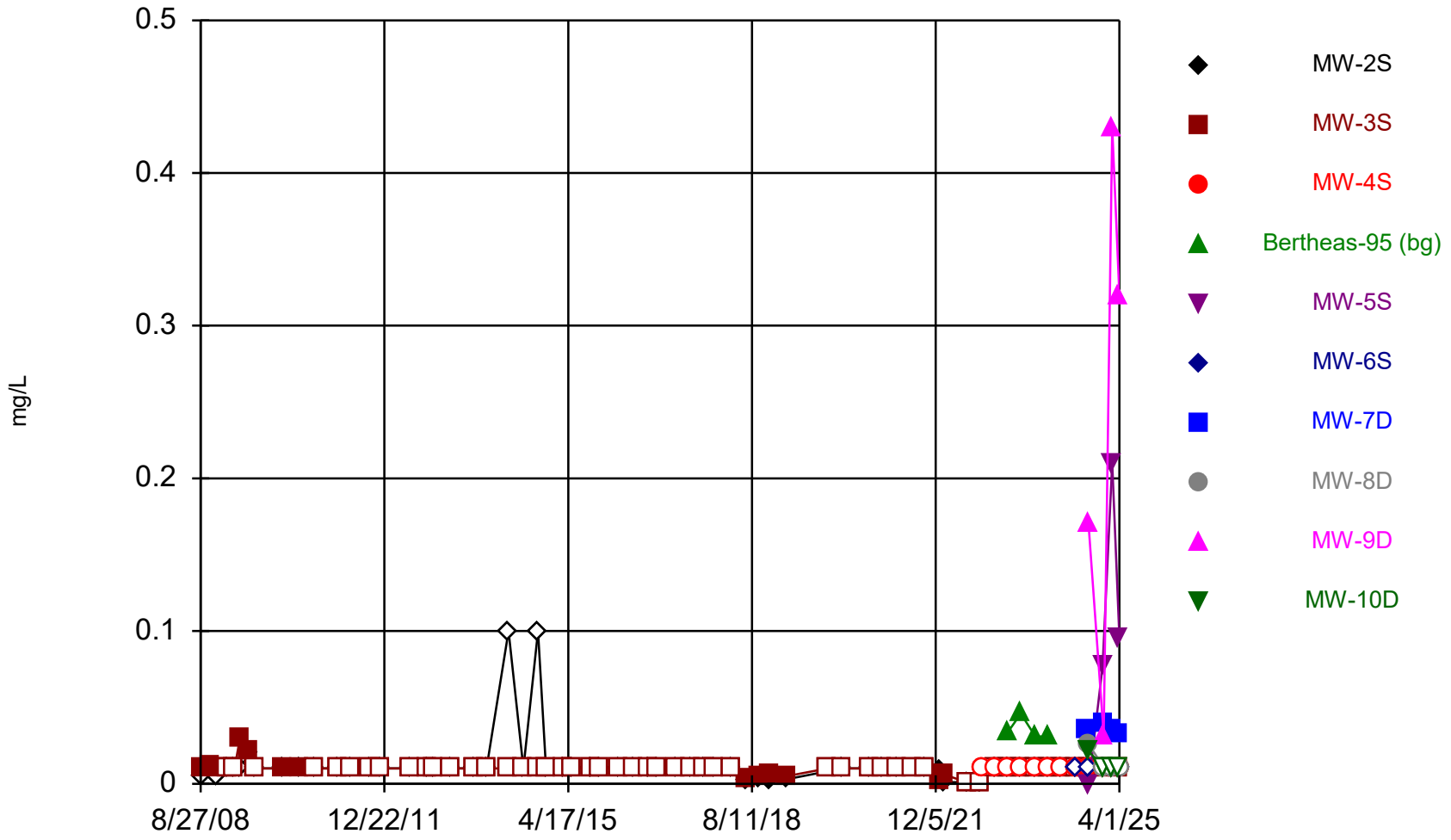


Constituent: Magnesium, Total Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series

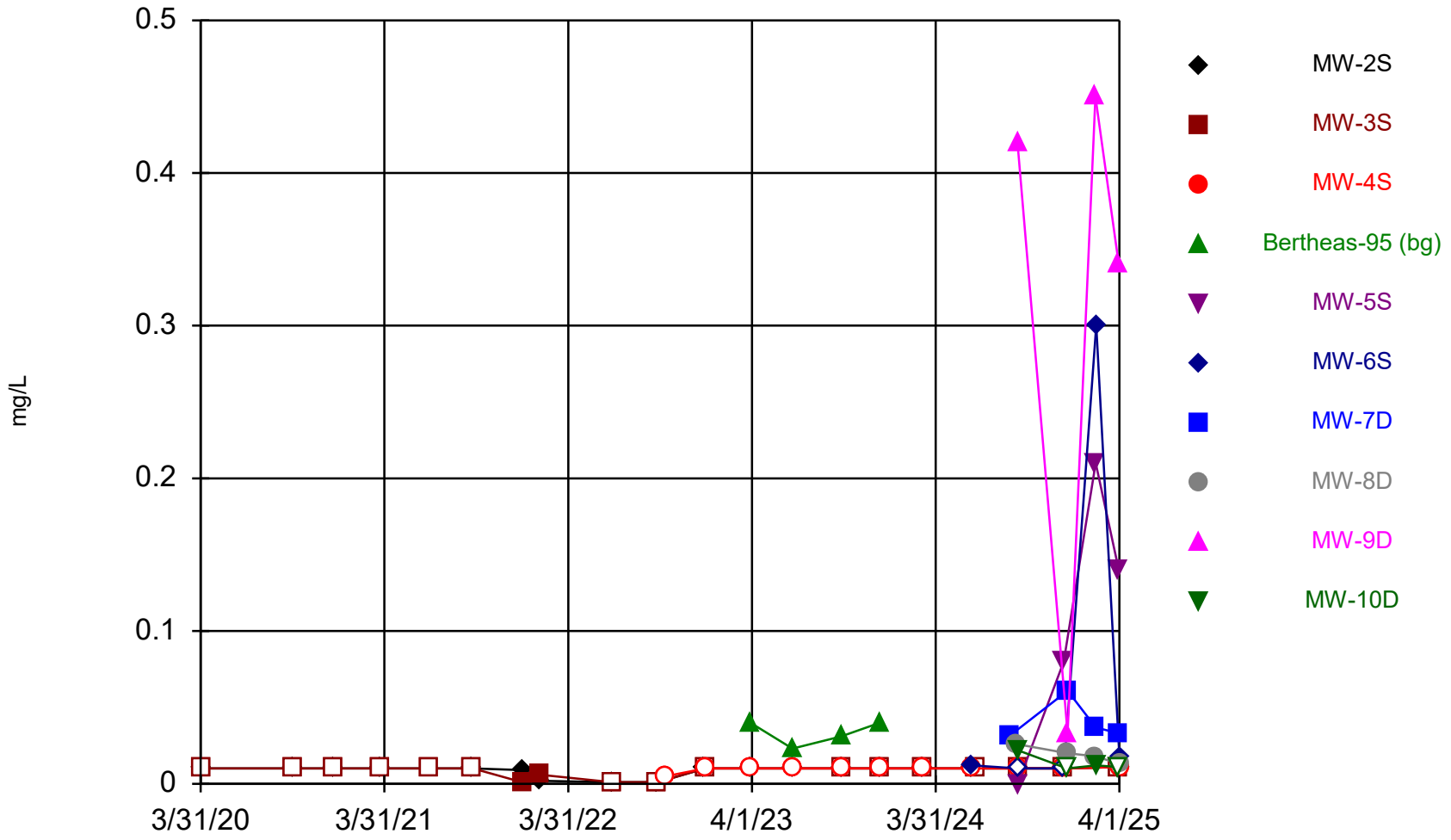


Constituent: Manganese, Dissolved Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series

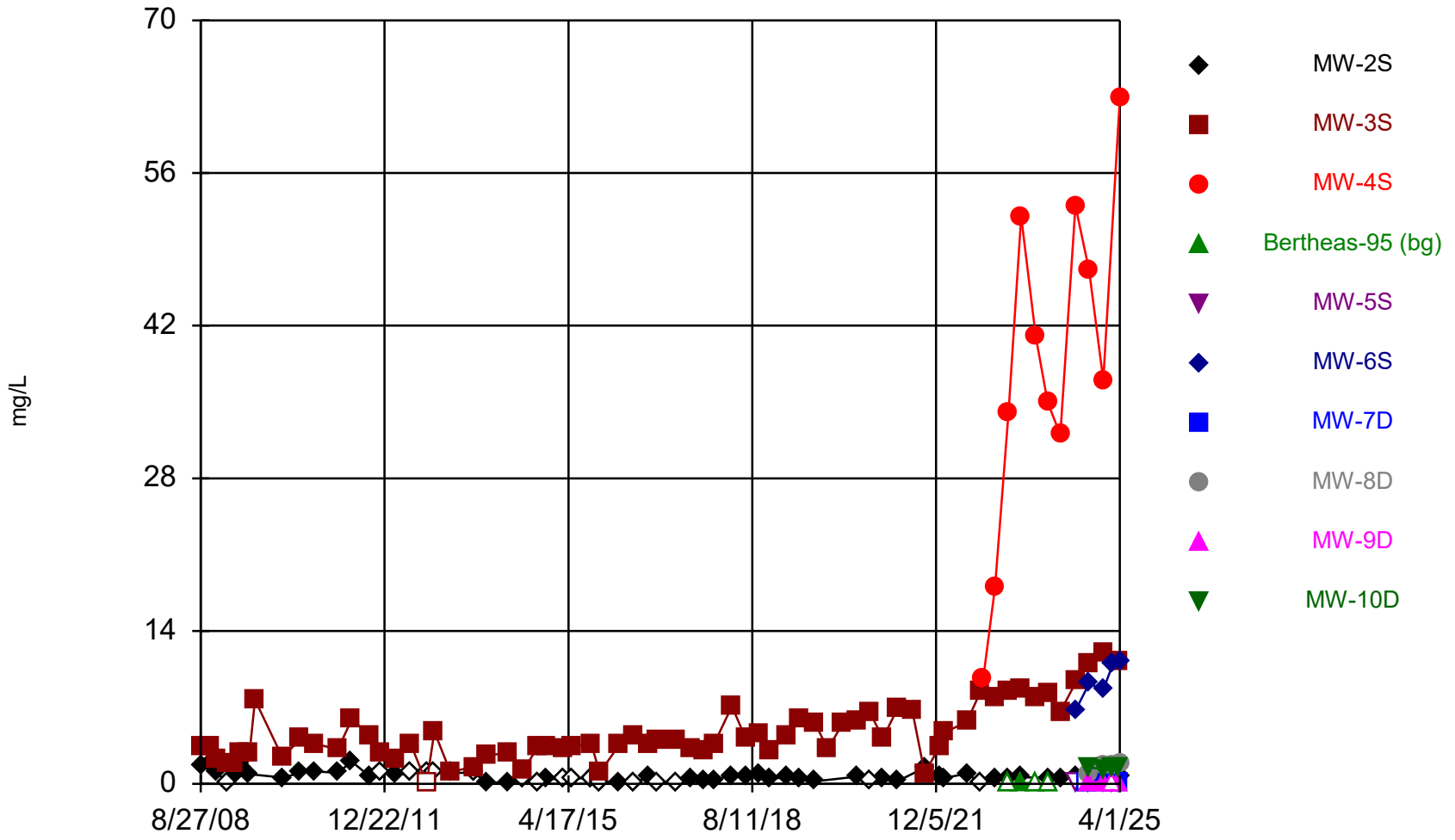


Constituent: Manganese, Total Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

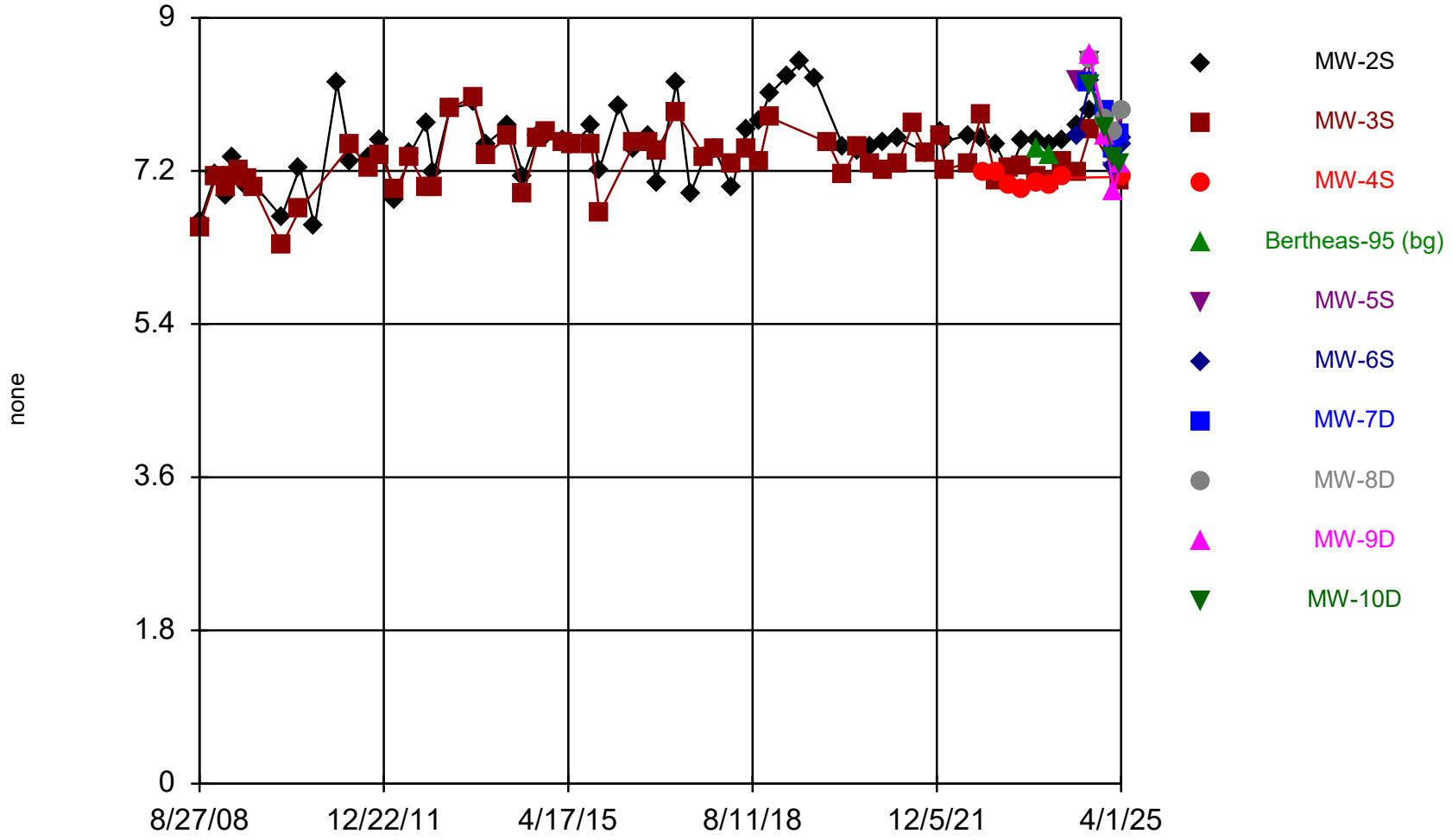
Time Series



Constituent: Nitrate Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

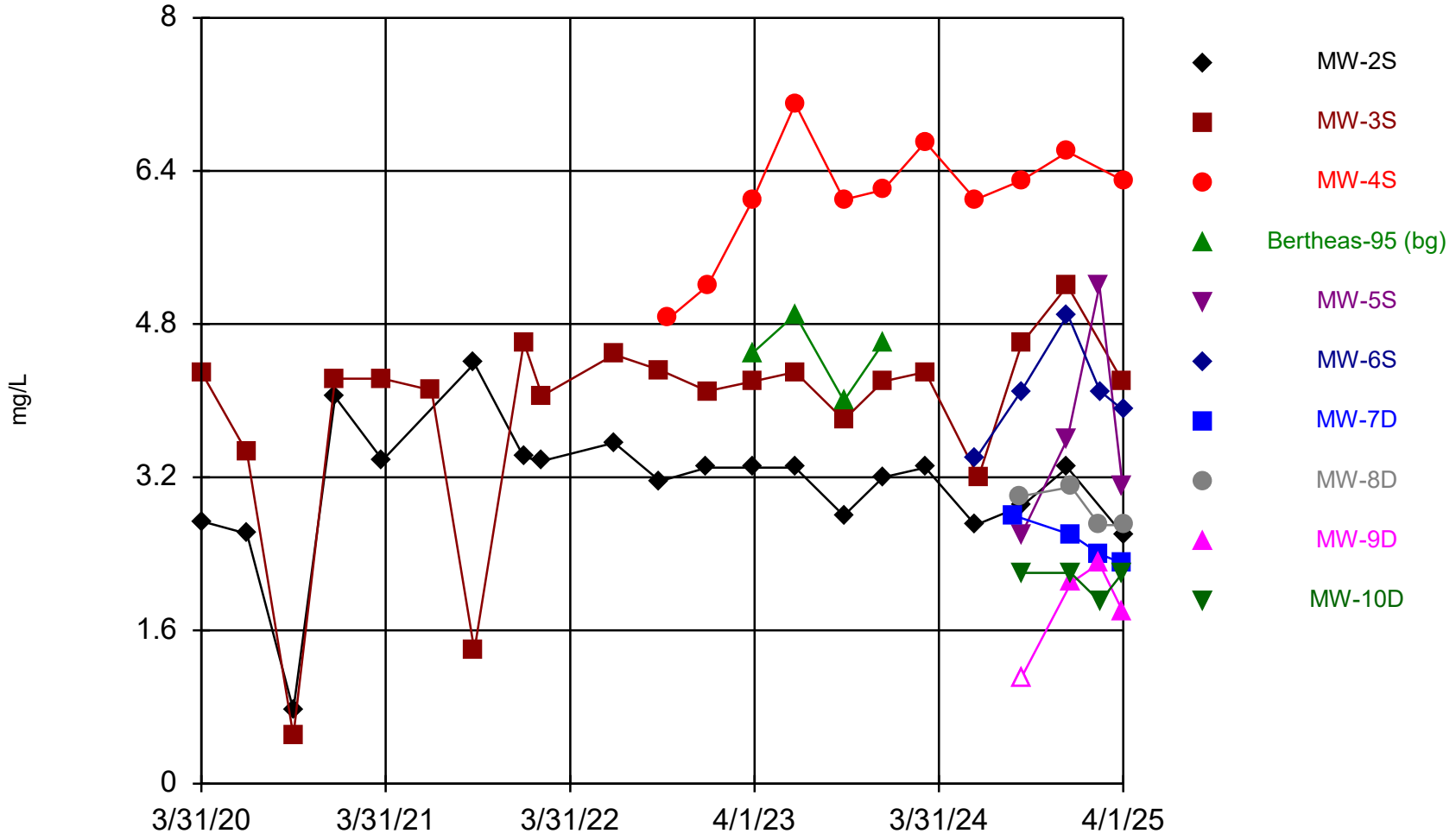


Constituent: pH Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

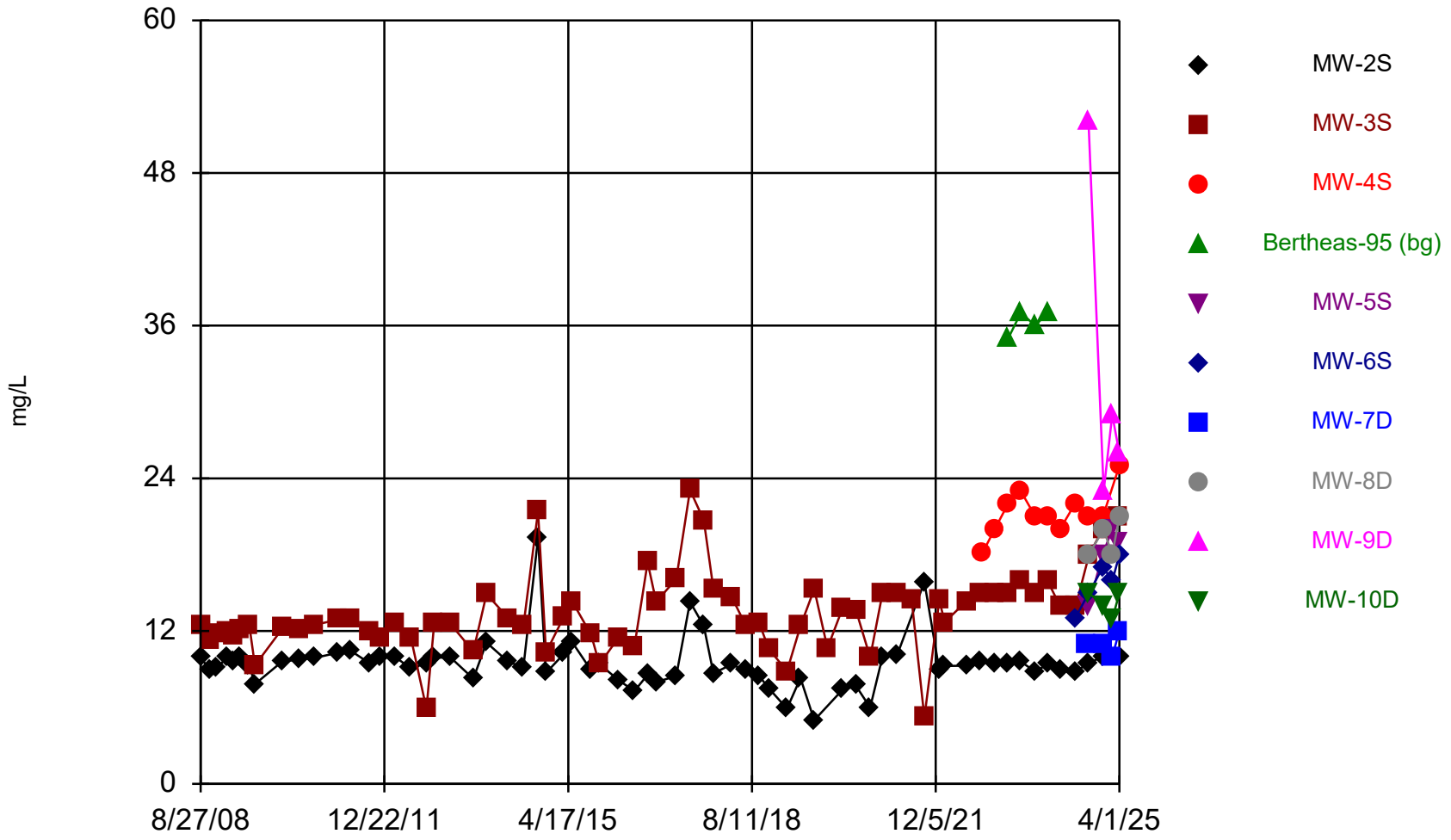
Time Series



Constituent: Potassium, Dissolved Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

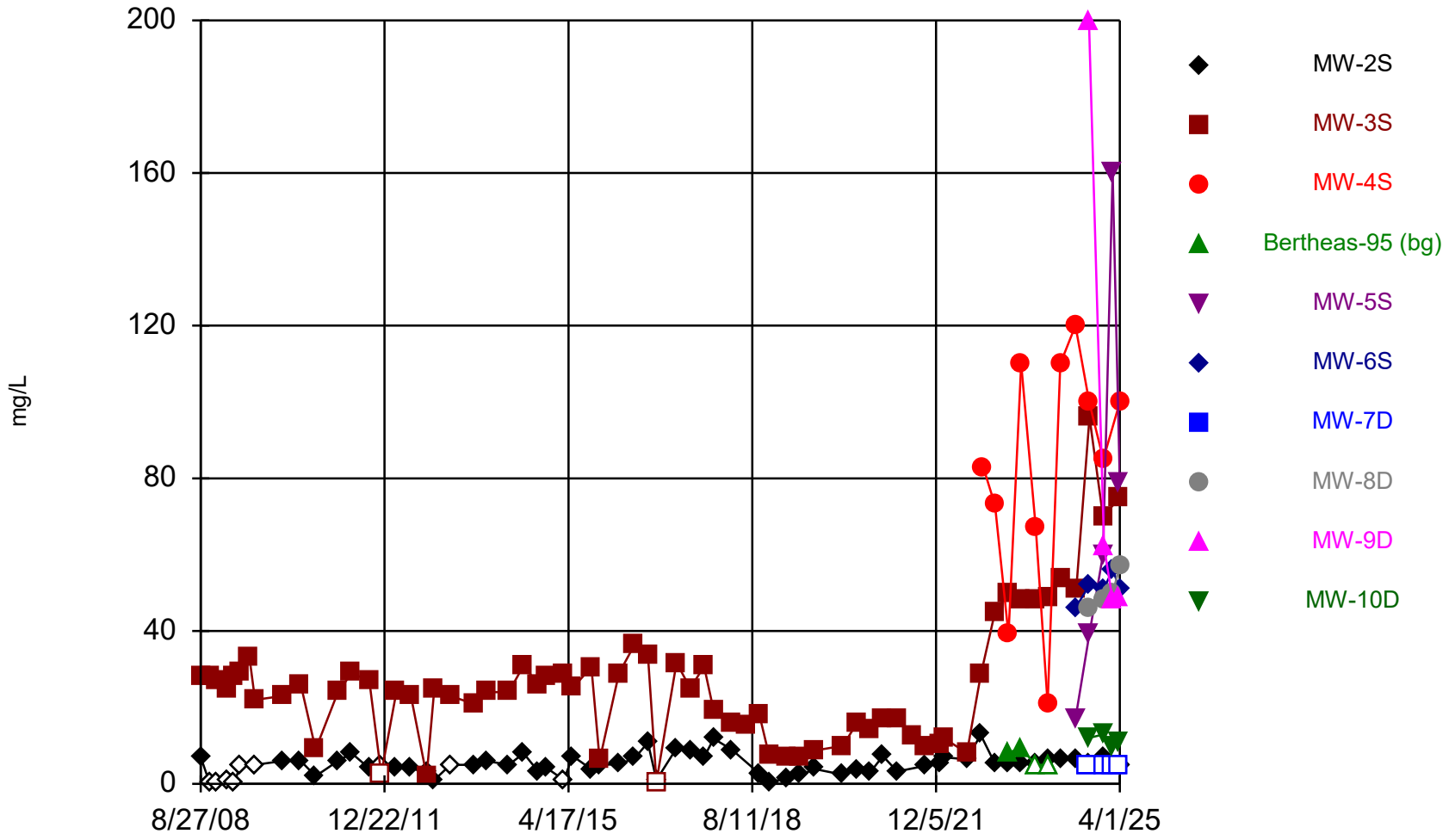


Constituent: Sodium, Dissolved Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

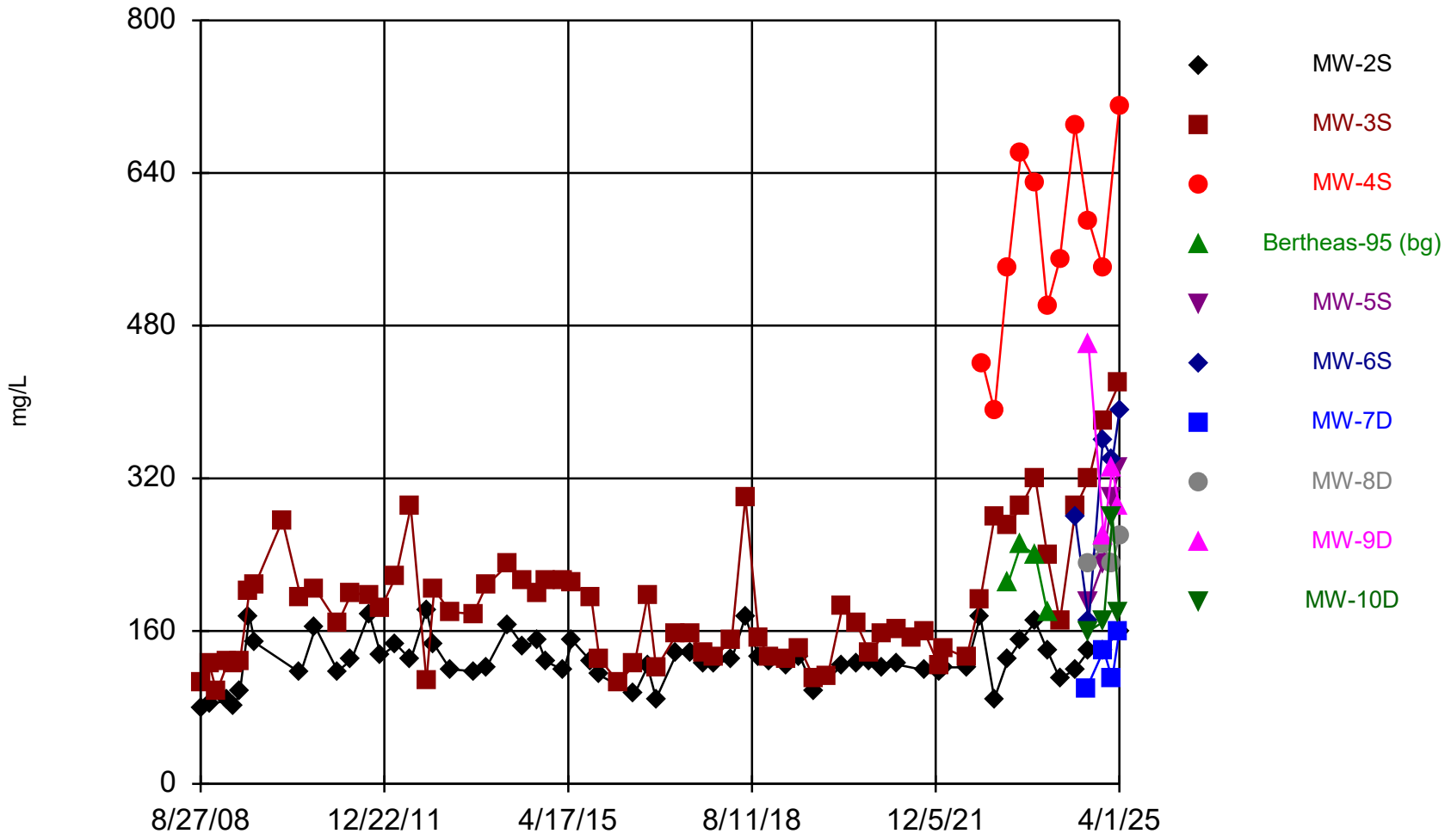
Time Series



Constituent: Sulfate Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

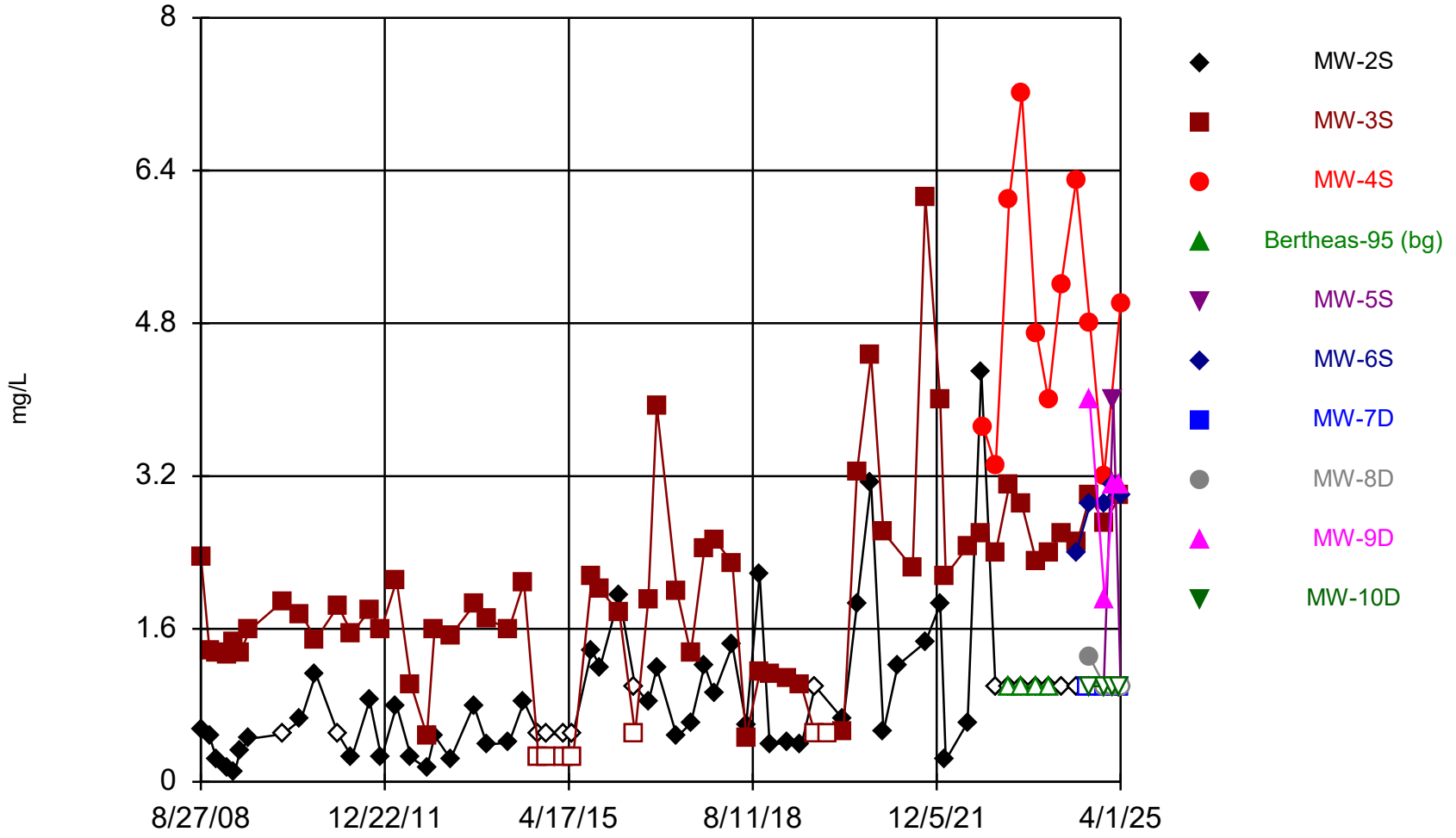


Constituent: TDS Analysis Run 6/11/2025 3:13 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series



Constituent: Total Organic Carbon Analysis Run 6/11/2025 3:13 PM View: TSPs

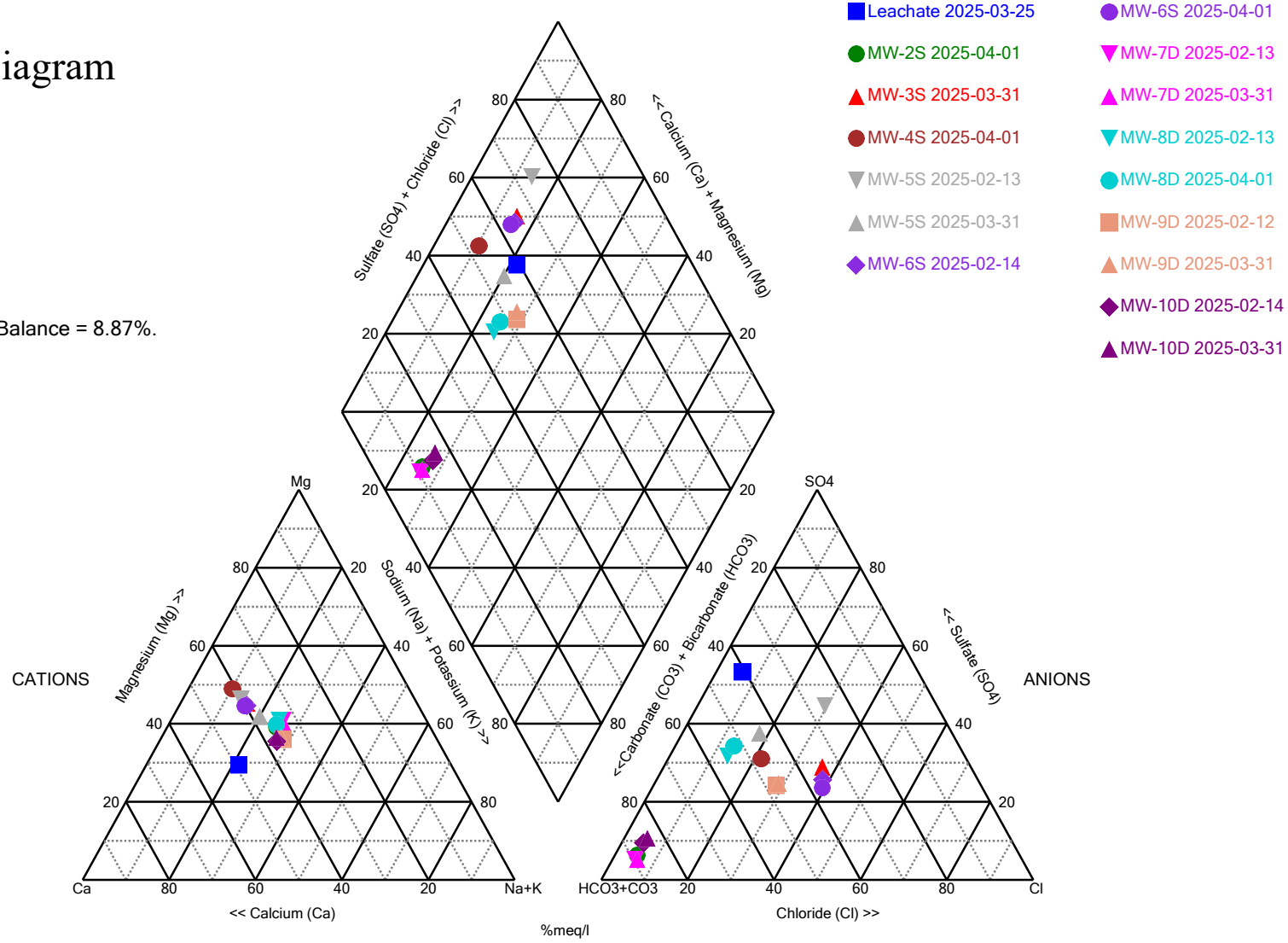
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Appendix E

Geochemistry

Piper Diagram

Cation-Anion Balance = 8.87%.



Analysis Run 6/24/2025 9:52 AM

Yakima Limited Purpose Landfill Client: DTG Data: DTG Piper

Cation/Anion Balance Calculations, Rocky Top Environmental Limited Purpose Landfill, First Quarter 2025

	Conversion Factor[1] (mg/L to meq/L)	MW-2S			MW-3S		
		Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)
CATIONS							
Na	0.0435	10	0.44	22.12	21	0.91	13.88
Ca	0.0499	14	0.70	35.52	52	2.59	39.44
Mg	0.08229	9.3	0.77	38.91	36	2.96	45.03
Fe(+2)	0.03581	0.028	0.00	0.05	0.028	0.00	0.02
K	0.02558	2.6	0.07	3.38	4.2	0.11	1.63
Mn	0.0364	0.0055	0.00	0.01	0.0055	0.00	0.00
		TOTAL	1.97	100.00	TOTAL	6.58	100.00
ANIONS							
HCO_3[2]	0.02	78	1.56	89.74	94	1.88	30.49
SO_4	0.02082	2.5	0.05	2.99	75	1.56	25.32
Cl	0.02821	2.7	0.08	4.38	68	1.92	31.11
CO_3[2]	0.02	0	0.00	0.00	0	0.00	0.00
NO_3[3]	0.0714	0.702	0.05	2.88	11.3	0.81	13.08
		TOTAL	1.74	100.00	TOTAL	6.17	100.00
anion + cation Sum (meq/L)			3.70			12.75	
(meq/L cations-anions)/(meq/L cations+anions)*100				6.16			3.24

	MW-4S			MW-5S		
	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)
CATIONS						
Na	25	1.09	8.94	19	0.83	18.12
Ca	100	4.99	41.02	35	1.75	38.29
Mg	72	5.92	48.71	23	1.89	41.49
Fe(+2)	0.028	0.00	0.01	0.37	0.01	0.29
K	6.3	0.16	1.32	3.1	0.08	1.74
Mn	0.0055	0.00	0.00	0.096	0.00	0.08
	TOTAL	12.16	100.00	TOTAL	4.56	100.00
ANIONS						
HCO_3[2]	160	3.20	28.70	100	2.00	45.62
SO_4	100	2.08	18.68	79	1.64	37.52
Cl	49	1.38	12.40	26	0.73	16.73
CO_3[2]	0	0.00	0.00	0	0.00	0.00
NO_3[3]	62.8	4.48	40.22	0.0800	0.01	0.13
	TOTAL	11.15	100.00	TOTAL	4.38	100.00
anion + cation Sum (meq/L)		23.31			8.95	
(meq/L cations-anions)/(meq/L cations+anions)*100			4.36			1.99

	MW-6S			MW-7D		
	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)
CATIONS						
Na	18	0.78	13.24	12	0.52	23.27
Ca	48	2.40	40.51	15	0.75	33.37
Mg	32	2.63	44.54	11	0.91	40.35
Fe(+2)	0.028	0.00	0.02	0.21	0.01	0.34
K	3.9	0.10	1.69	2.3	0.06	2.62
Mn	0.0055	0.00	0.00	0.033	0.00	0.05
	TOTAL	5.91	100.00	TOTAL	2.24	100.00
ANIONS						
HCO_3[2]	86	1.72	32.22	94	1.88	92.19
SO_4	51	1.06	19.89	2.5	0.05	2.55
Cl	62	1.75	32.77	3.7	0.10	5.12
CO_3[2]	0	0.00	0.00	0	0.00	0.00
NO_3[3]	11.3	0.81	15.12	0.0410	0.00	0.14
	TOTAL	5.34	100.00	TOTAL	2.04	100.00
anion + cation Sum (meq/L)		11.25			4.28	
(meq/L cations-anions)/(meq/L cations+anions)*100			5.11			4.76

	MW-8D			MW-9D		
	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)
CATIONS						
Na	21	0.91	23.16	26	1.13	26.16
Ca	28	1.40	35.42	31	1.55	35.78
Mg	19	1.56	39.64	19	1.56	36.16
Fe(+2)	0.028	0.00	0.03	0.69	0.02	0.57
K	2.7	0.07	1.75	1.8	0.05	1.06
Mn	0.0055	0.00	0.01	0.32	0.01	0.27
	TOTAL	3.94	100.00	TOTAL	4.32	100.00
ANIONS						
HCO_3[2]	92	1.84	51.04	100	2.00	47.82
SO_4	57	1.19	32.92	49	1.02	24.39
Cl	16	0.45	12.52	41	1.16	27.65
CO_3[2]	0	0.00	0.00	0	0.00	0.00
NO_3[3]	1.78	0.13	3.53	0.077	0.01	0.13
	TOTAL	3.61	100.00	TOTAL	4.18	100.00
anion + cation Sum (meq/L)		7.55			8.51	
(meq/L cations-anions)/(meq/L cations+anions)*100			4.49			1.66

	MW-10D			Leachate		
	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)
CATIONS						
Na	15	0.65	24.21	12	0.52	19.70
Ca	20	1.00	37.03	26	1.30	48.97
Mg	12	0.99	36.63	9.4	0.77	29.20
Fe(+2)	0.028	0.00	0.04	0.27	0.01	0.36
K	2.2	0.06	2.09	1.8	0.05	1.74
Mn	0.0055	0.00	0.01	0.019	0.00	0.03
	TOTAL	2.70	100.00	TOTAL	2.65	100.00
ANIONS						
HCO_3[2]	94	1.88	80.99	36	0.72	35.22
SO_4	11	0.23	9.87	44	0.92	44.82
Cl	3.7	0.10	4.50	3.2	0.09	4.42
CO_3[2]	0	0.00	0.00	0	0.00	0.00
NO_3[3]	1.51	0.11	4.64	4.45	0.32	15.54
	TOTAL	2.32	100.00	TOTAL	2.04	100.00
anion + cation Sum (meq/L)		5.02			4.69	
(meq/L cations-anions)/(meq/L cations+anions)*100			7.46			12.90

[1]Reference: Hem 1985.

[2]HCO_3 and CO_3 reported as $CaCO_3$, conversion factor adjusted accordingly.

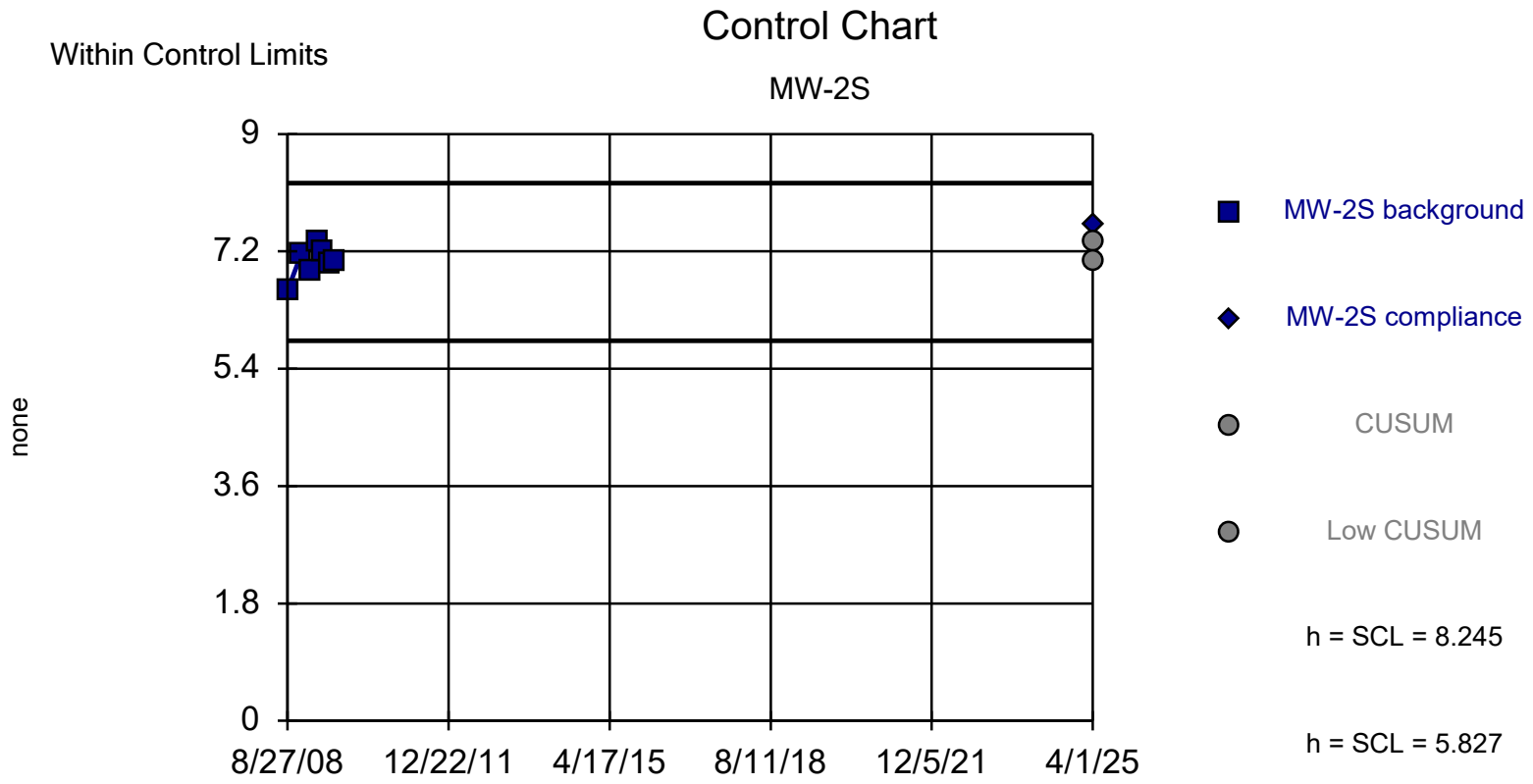
[3]NO_3 reported as NO_3-N, conversion factor adjusted accordingly.

[box] = Outside WAC 173-351-420(5)(a) acceptable range
+/-5 percent (for anion plus cation sums greater than 5 meq/L), or
+/-10 percent (for anion plus cation sums less than 5 meq/L)

Note: Values for cations in groundwater samples are measured as dissolved (field-filtered).
5 percent if anion plus cation sum greater than 5 meq/L; 10 percent if anion plus cation sum less than 5 meq/L

Appendix F

Statistics

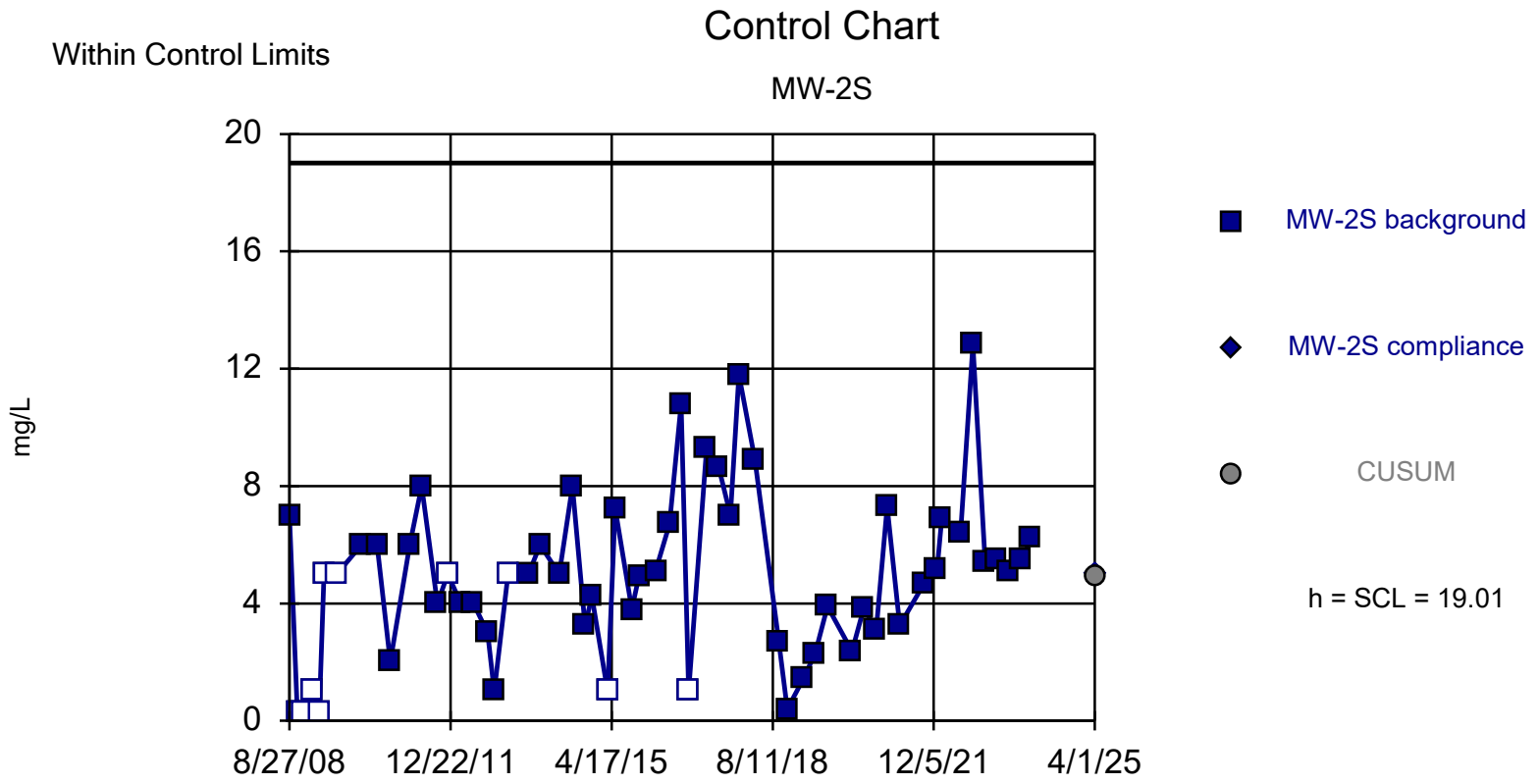


Background Data Summary: Mean=7.036, Std. Dev.=0.2418, n=7. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9617, critical = 0.803. Report alpha = 0.001854. Dates ending 8/19/2009 used for control stats. Standardized h=5, SCL=5.

Constituent: pH Analysis Run 6/2/2025 12:27 PM View: 2025 Control Charts - 2008-2009 background

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.



Background Data Summary: Mean=4.912, Std. Dev.=2.819, n=58, 17.24% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.05, calculated = 0.9674, critical = 0.961. Report alpha = 0.000004. Dates ending 12/12/2023 used for control stats. Standardized h=5, SCL=5.

Constituent: Sulfate Analysis Run 6/2/2025 12:25 PM View: 2025 Control Charts - 2008-2023 background

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

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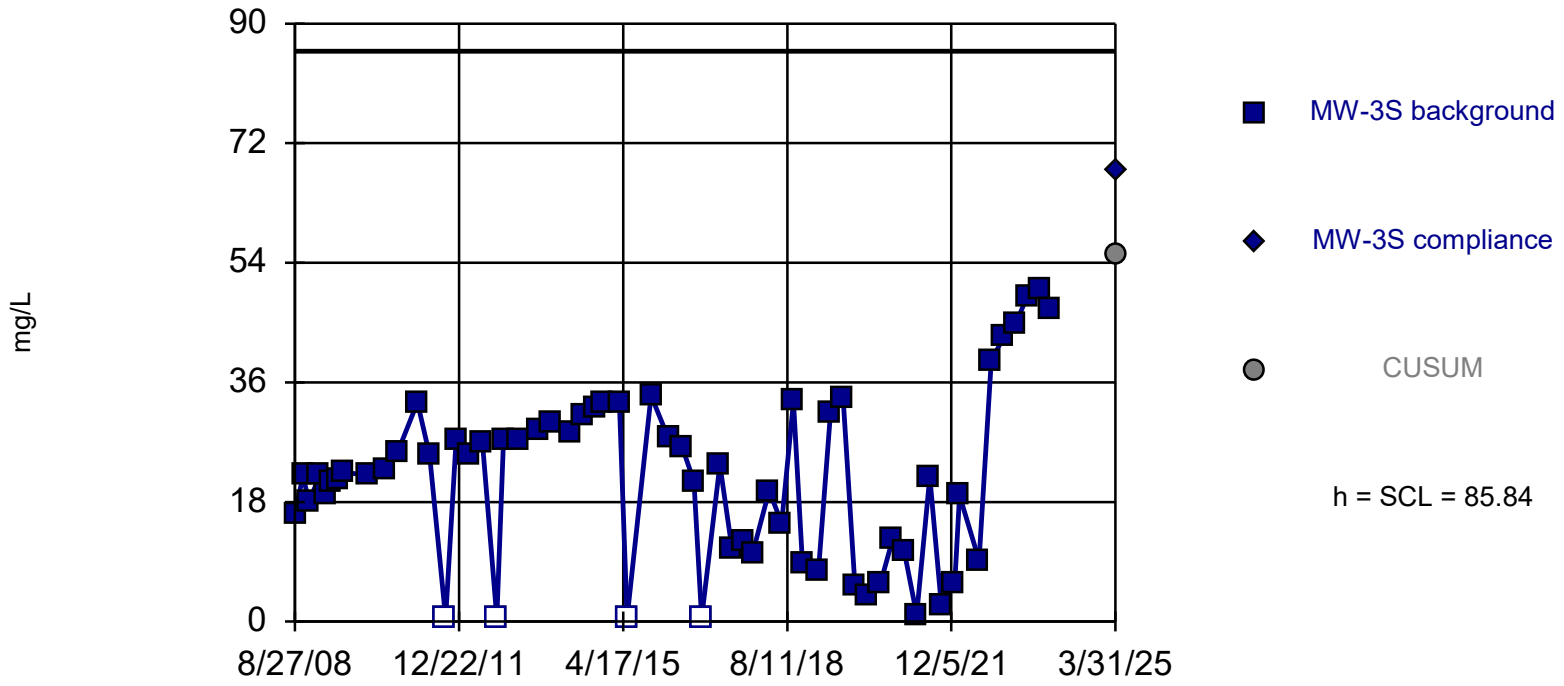
Hollow symbols indicate censored values.

Control Chart

Within Control Limits

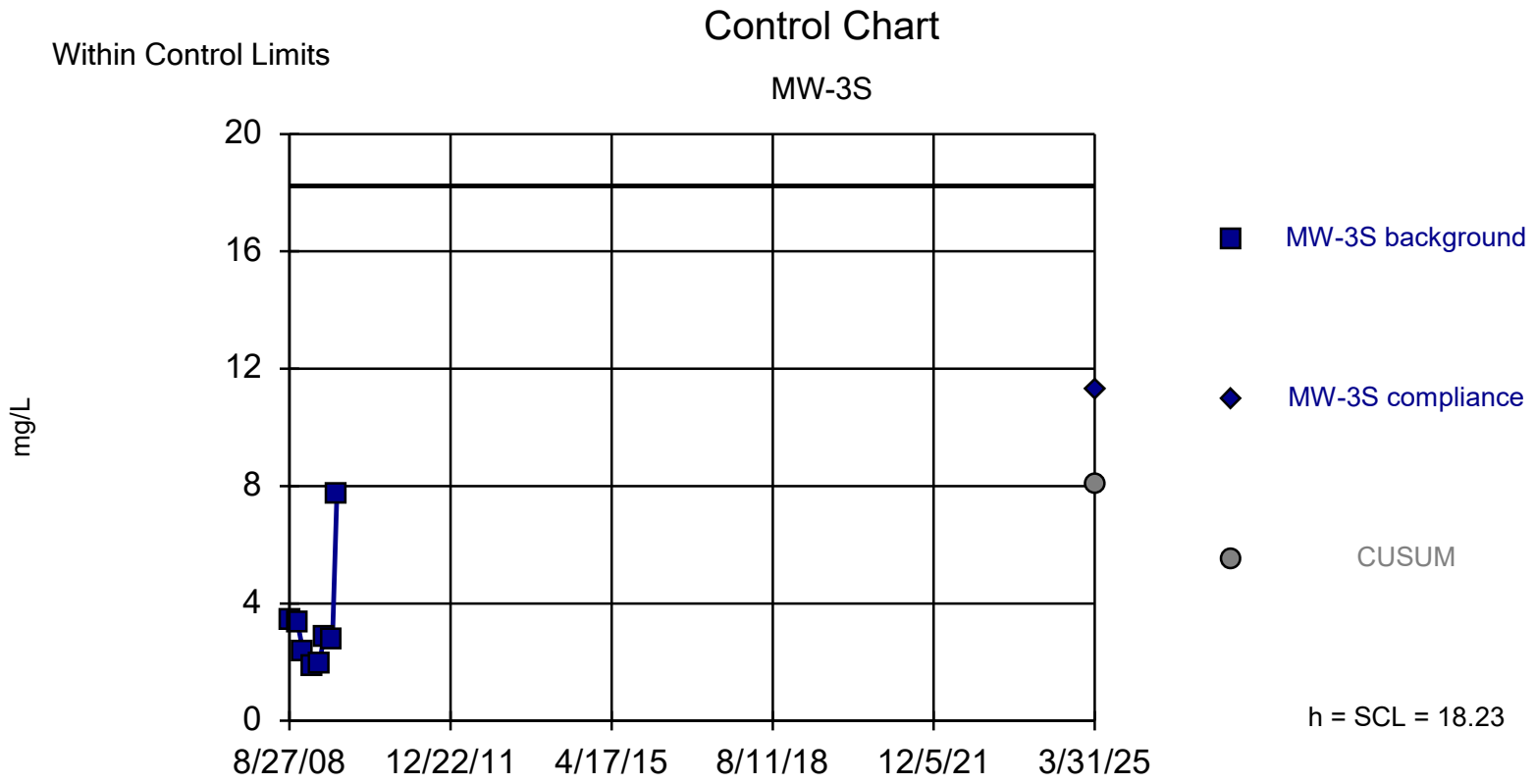
MW-3S



Background Data Summary: Mean=21.8, Std. Dev.=12.81, n=61, 6.557% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.05, calculated = 0.977, critical = 0.962. Report alpha = 0.000002. Dates ending 12/12/2023 used for control stats. Standardized h=5, SCL=5.

Constituent: Chloride Analysis Run 6/2/2025 12:25 PM View: 2025 Control Charts - 2008-2023 backgroun

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

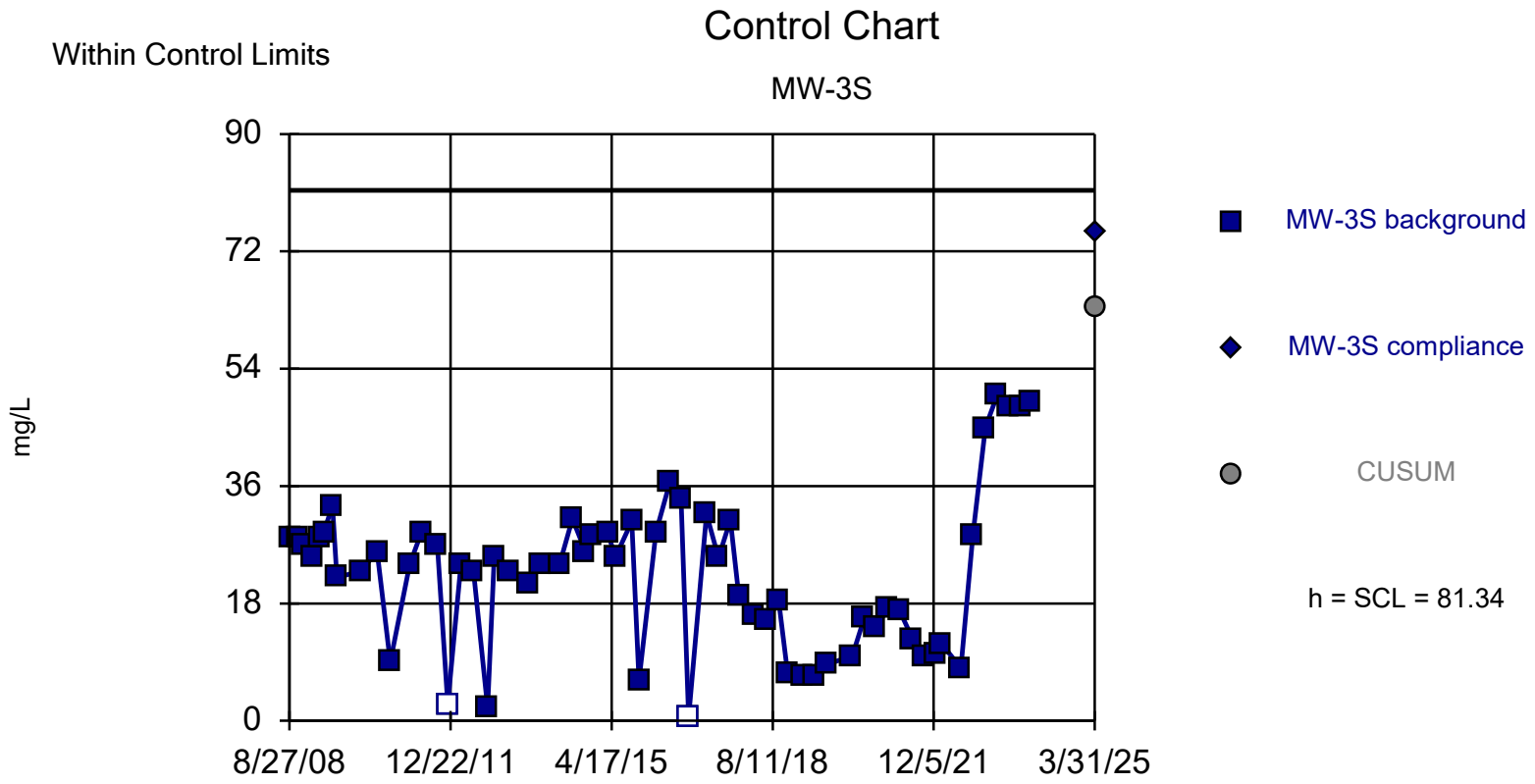


Background Data Summary (based on cube root transformation): Mean=1.453, Std. Dev.=0.2359, n=8. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8192, critical = 0.818. Report alpha = 0.001166. Dates ending 8/19/2009 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate Analysis Run 6/2/2025 12:27 PM View: 2025 Control Charts - 2008-2009 background

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

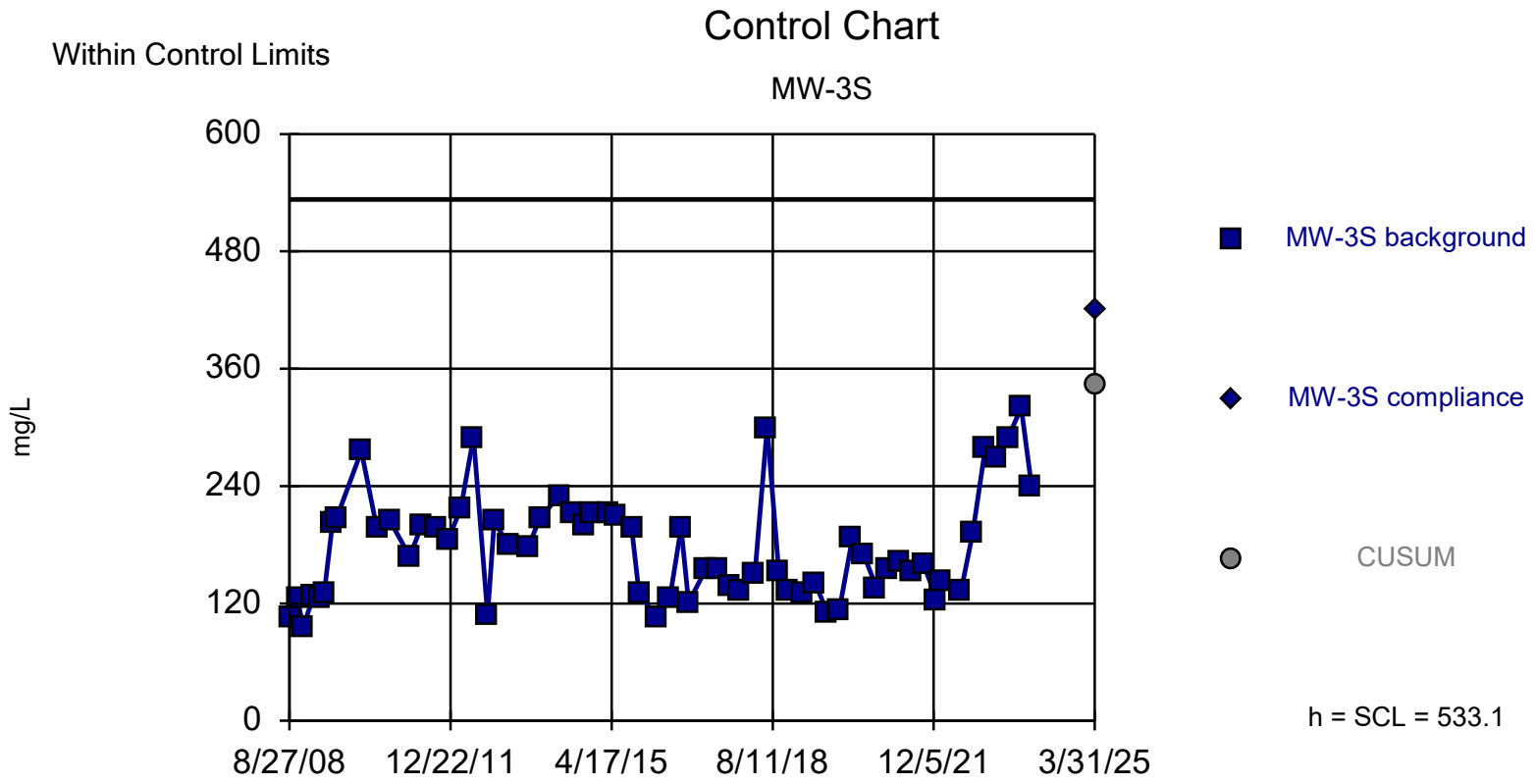
Hollow symbols indicate censored values.



Background Data Summary: Mean=22.68, Std. Dev.=11.73, n=61, 3.279% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.05, calculated = 0.9621, critical = 0.962. Report alpha = 0.000004. Dates ending 12/12/2023 used for control stats. Standardized h=5, SCL=5.

Constituent: Sulfate Analysis Run 6/2/2025 12:25 PM View: 2025 Control Charts - 2008-2023 background

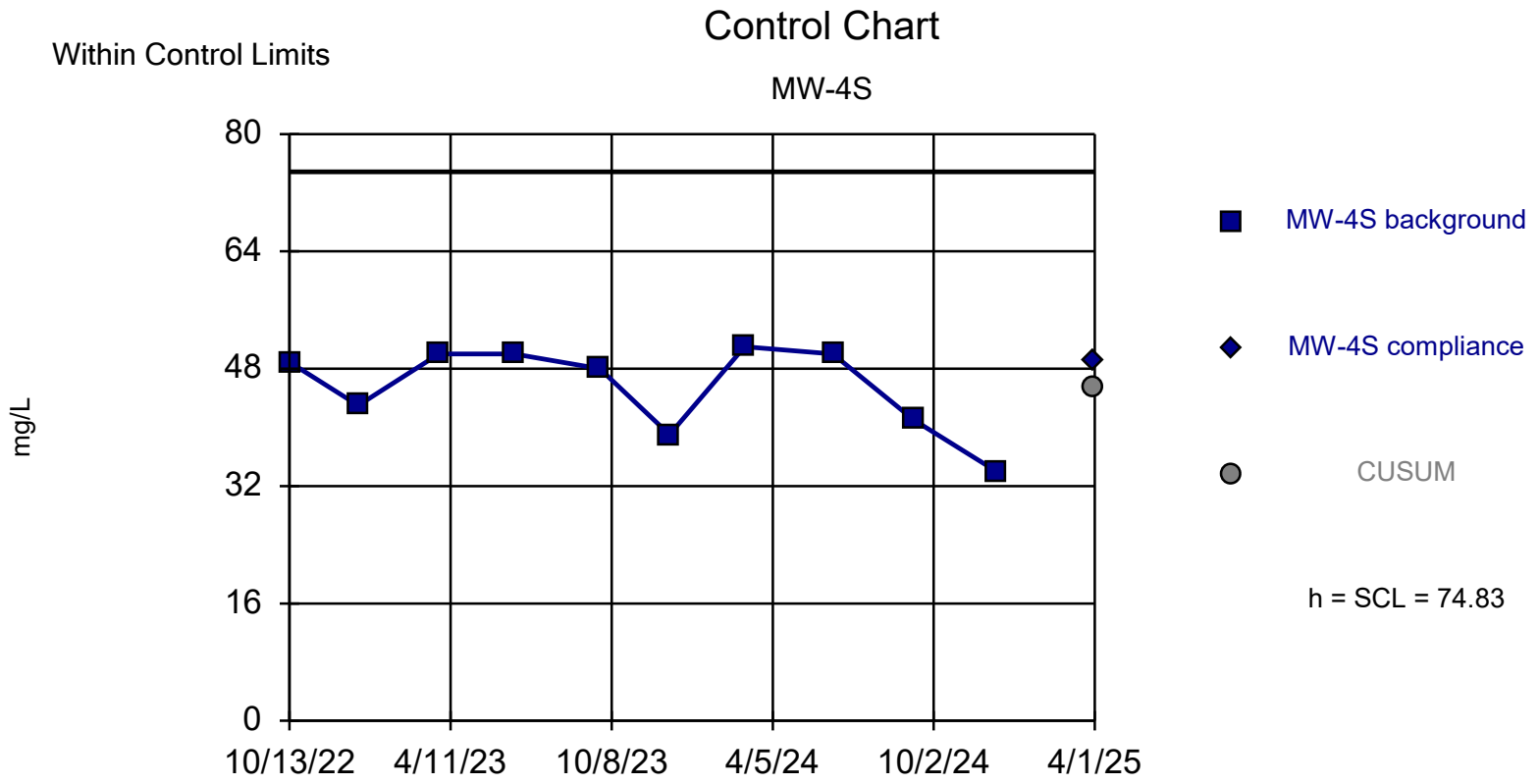
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



Background Data Summary (based on square root transformation): Mean=13.18, Std. Dev.=1.982, n=62. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.05, calculated = 0.9641, critical = 0.963. Report alpha = 0.000006. Dates ending 12/12/2023 used for control stats. Standardized h=5, SCL=5.

Constituent: TDS Analysis Run 6/2/2025 12:25 PM View: 2025 Control Charts - 2008-2023 background

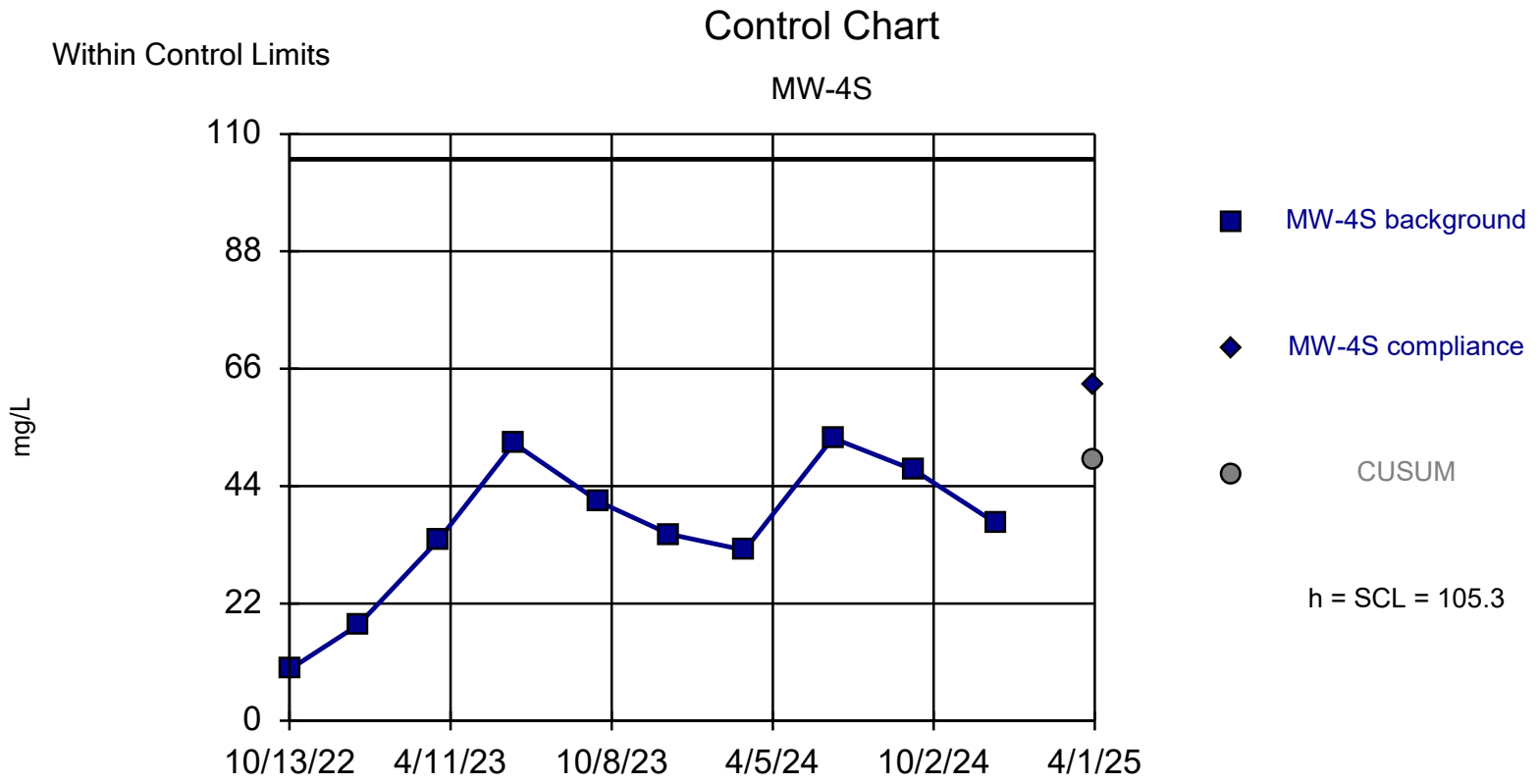
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



Background Data Summary: Mean=45.49, Std. Dev.=5.867, n=10. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8467, critical = 0.842. Report alpha = 0.00049. Dates ending 12/12/2024 used for control stats. Standardized h=5, SCL=5.

Constituent: Chloride Analysis Run 6/2/2025 12:31 PM View: MW-4S Initial Background Evaluation

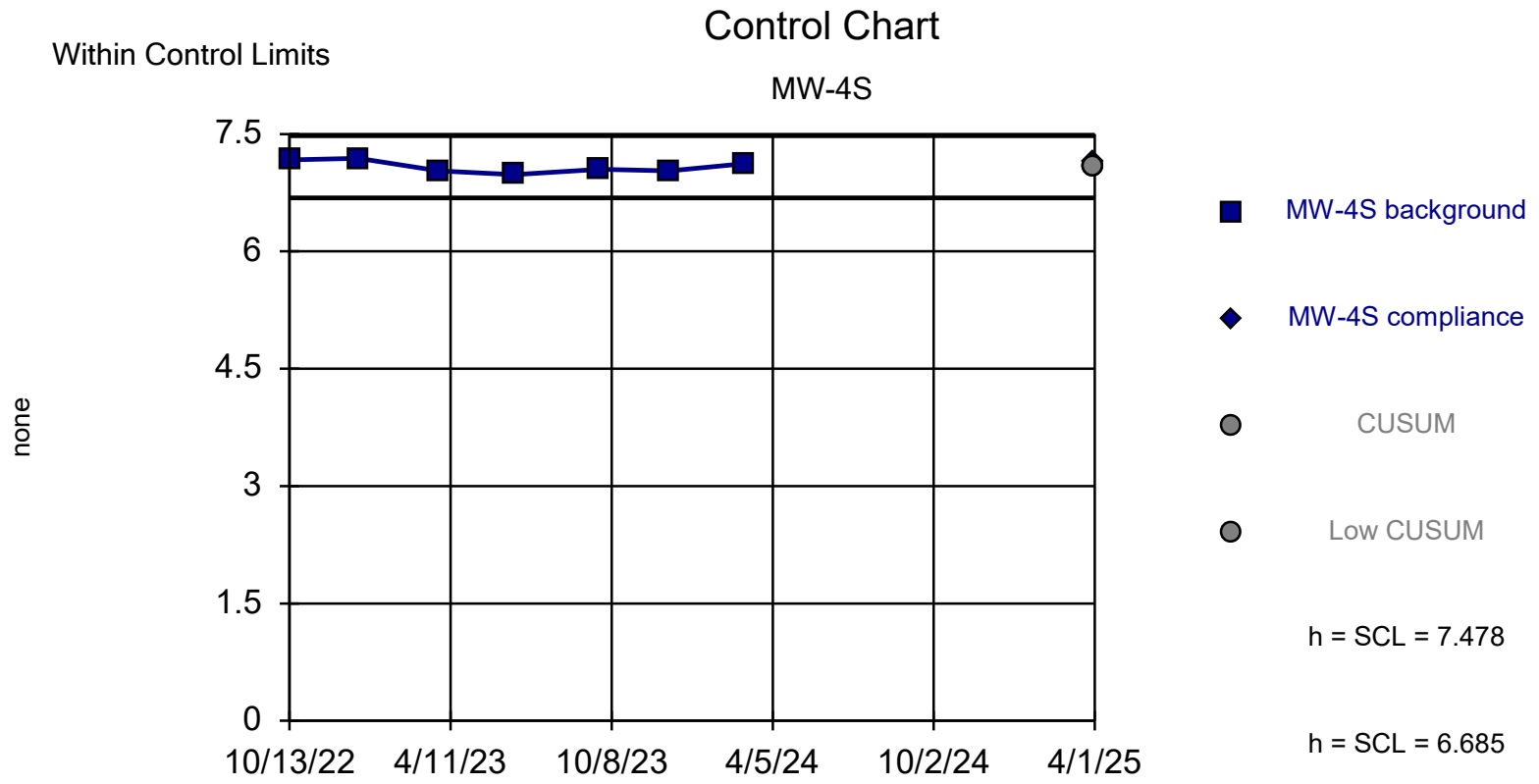
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



Background Data Summary: Mean=35.86, Std. Dev.=13.88, n=10. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9342, critical = 0.842. Report alpha = 0.00049. Dates ending 12/12/2024 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate Analysis Run 6/2/2025 12:32 PM View: MW-4S Initial Background Evaluation

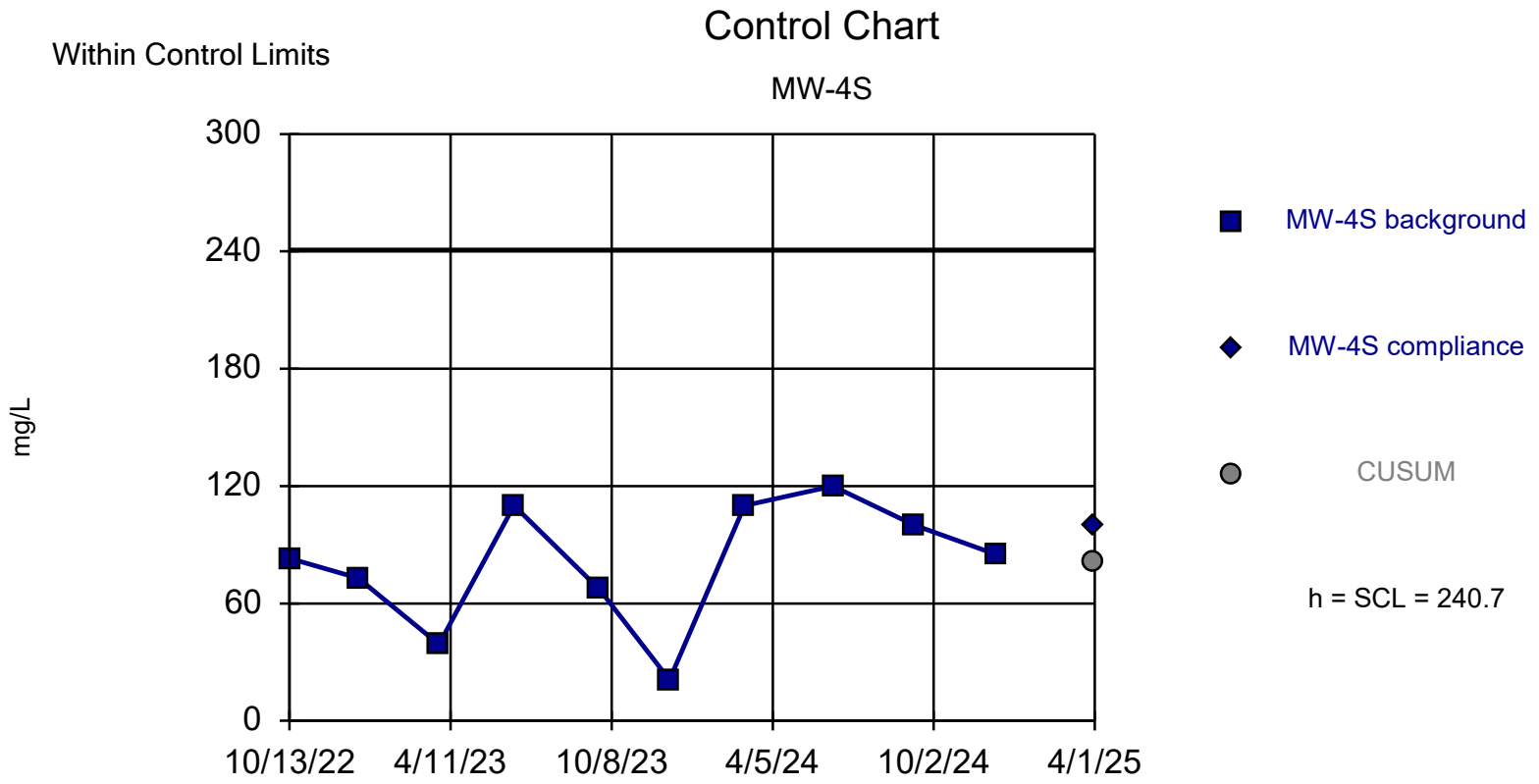
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



Background Data Summary: Mean=7.081, Std. Dev.=0.07925, n=7. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9174, critical = 0.803. Report alpha = 0.001626. Dates ending 3/5/2024 used for control stats. Standardized h=5, SCL=5.

Constituent: pH Analysis Run 6/2/2025 12:32 PM View: MW-4S Initial Background Evaluation

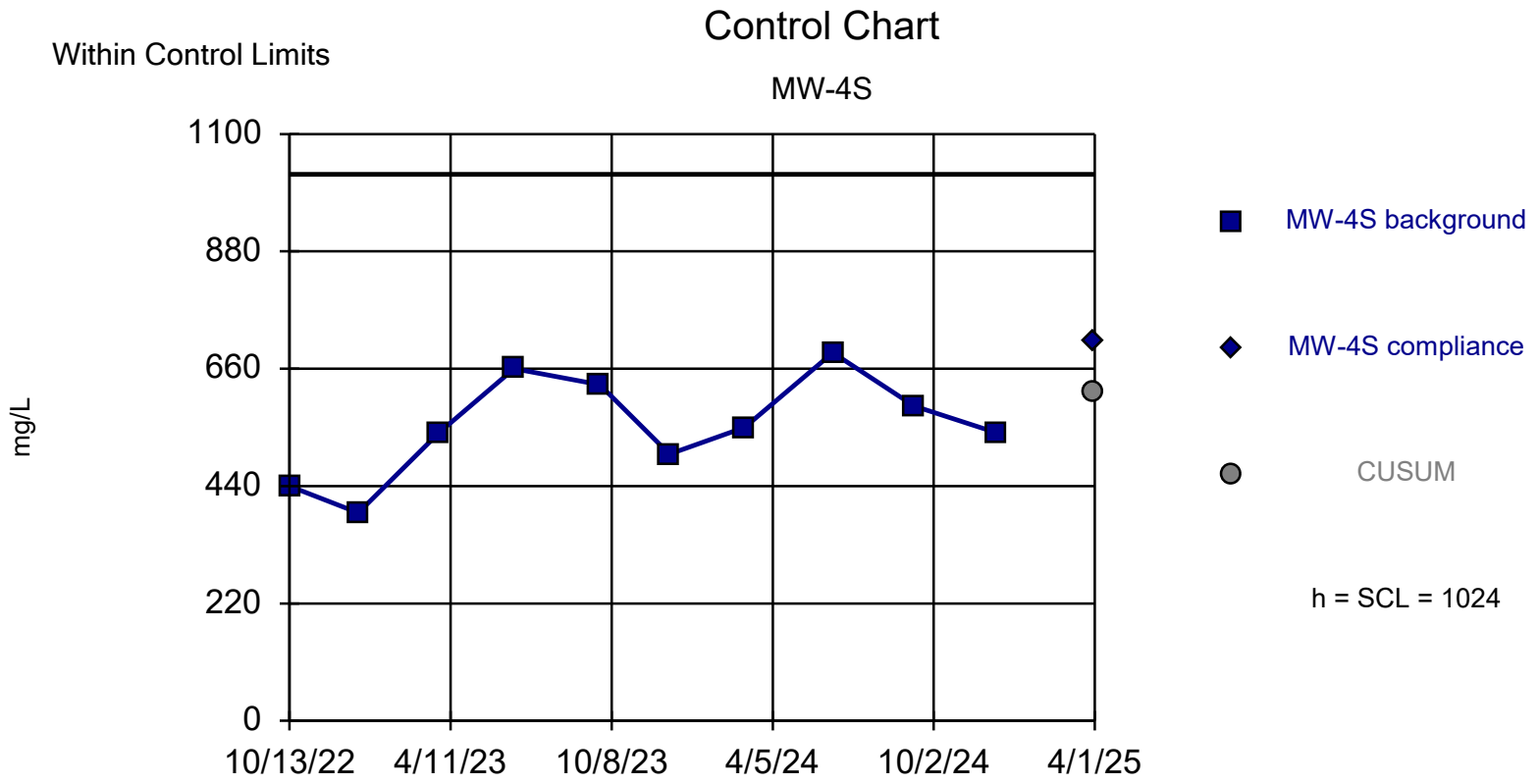
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



Background Data Summary: Mean=80.8, Std. Dev.=31.99, n=10. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9348, critical = 0.842. Report alpha = 0.000554. Dates ending 12/12/2024 used for control stats. Standardized h=5, SCL=5.

Constituent: Sulfate Analysis Run 6/2/2025 12:32 PM View: MW-4S Initial Background Evaluation

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



Background Data Summary: Mean=553, Std. Dev.=94.29, n=10. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9724, critical = 0.842. Report alpha = 0.000554. Dates ending 12/12/2024 used for control stats. Standardized h=5, SCL=5.

Constituent: TDS Analysis Run 6/2/2025 12:32 PM View: MW-4S Initial Background Evaluation

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats