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

Prepared for
DTG Recycling

DTG Debris to Green Recycling

August 2025

Parametrix

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

Prepared for

DTG Recycling
P.O. Box 14203
Mill Creek, WA 98082

Prepared by

Parametrix
719 2nd Avenue, Suite 200
Seattle, WA 98104
T. 206.394.3700 F. 1.206.649.6353
www.parametrix.com

August 2025 | 553-8472-009

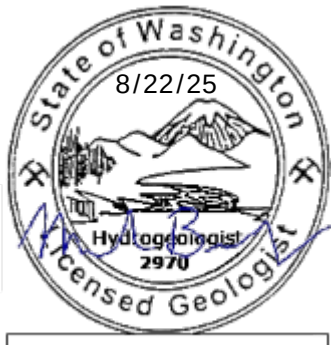
Citation

Parametrix. 2025. Rocky Top Environmental Limited Purpose Landfill 2025 Second Quarter Groundwater Monitoring Report. Prepared for DTG Recycling by Parametrix, Seattle, Washington. August 2025.

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.

Sally Nguyen, GIT



Reviewed by Mike Brady, LG, LHG

Approved by Laura B. Lee, Project Manager

Contents

Contents (continued)

FIGURES

TABLES

APPENDICES

Acronyms and Abbreviations

AA	Alluvial Aquifer
AO	Agreed Order
bgs	below ground surface
CULs	cleanup levels
CUSUM	cumulative sum
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
ft	feet
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
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 second 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 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 are 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 were recently drilled and constructed northeast of Phase 1 and north of MW-3S. MW-11S was drilled to a depth of 241 ft below ground surface (bgs) and constructed with 20 ft of screen from 219 to 239 ft bgs. MW-1S was drilled to a depth of 142 ft bgs and constructed with 20 ft of screen from 113 to 133 ft bgs. The wells will be included in the routine monitoring

program starting in the third quarter 2025 sampling event after the dedicated PFAS-free sampling pumps have been installed.

The leachate pond for Phase 2 is active and in use. Leachate was sampled during the first quarter event (Parametrix, 2025h).

3.2 Objectives

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

4.1 Routine Groundwater Sampling

Two sampling events were completed during the second quarter 2025:

- Second quarter “A event” (May 7 through 8) – MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D
- Second quarter “B event” (June 17 through 19) – All monitoring wells except for MW-1S and MW-11S

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 wells MW-5S and MW-3S during the A and B events, respectively.

The second quarter "B event" also included additional MTCA analytical parameters including PFAS and semi-volatile organic compounds (SVOCs). Results for the MTCA parameters are summarized separately (Parametrix 2025i).

4.2 Groundwater Analysis

The second 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).

4.3 Leachate Pond Monitoring

The depth of leachate in the pond was observed to be 3.75 ft. The total depth of the lined pond is 7 ft. The leachate pond leak detection sump was measured with a sounder and no water was detected 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 second 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 ft below the historical maximum. The second quarter water level was slightly higher than the first quarter event. MW-4S water levels have been stable but were elevated during the first quarter event and slightly lowered in the second quarter. 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 three events.

Due to issues with descending the water level meter, a water level was not taken at MW-7D in the second quarter 2025 B event. The water level from the A event is presented on Figures 3. Additionally, new SA well MW-11S was completed shortly prior to the second quarter sampling event and a water level was measured; however, the well has not been developed or surveyed following construction.

5.1.2 Groundwater Gradient

Potentiometric surface maps for the second 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 0.22 ft/ft, or approximately 1,173 ft per mile. Water levels in the IZ trend north-northeasterly at a rate of 0.21 ft/ft, or 1,122 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	3.41 ft/day (246 ft/year)
Minimum	0.44 ft/day
Maximum	8.59 ft/day

Interflow Zone

Average	2.12 ft/day (775 ft/ year)
Minimum	0.05 ft/day
Maximum	7.97 ft/day

5.2 Groundwater Quality

5.2.1 Data Quality Evaluation

Field data sheets from the second quarter 2025 events are presented in Appendix A and laboratory reports are presented in Appendix B. Appendix C presents an evaluation of the second 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 second 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 second quarter 2025 events:

MW-3S

- Nitrate was above the GWQS and MCL of 10 mg/L

MW-4S

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

MW-6S

- Nitrate was above the GWQS and MCL of 10 mg/L in both the A and B events

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 have 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 second 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 second 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 iron was above the GWQS and MCL of 0.3 mg/L in the A and B events
- Dissolved iron was above the GWQS and MCL of 0.3 mg/L in the A event
- 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.

5.2.3 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 second quarter 2025 except for a detection slightly above the reporting limit in well MW-9D during the B event..

Dissolved Calcium

Dissolved calcium is increasing in wells MW-3S and MW-4S, with the highest detected concentration at MW-4S occurring in the second quarter 2025 B event. The first quarter 2025 dissolved calcium concentration at MW-6S was the highest detected value at that well, with concentrations in second quarter 2025 decreasing. Background is still being established for MW-6S which is downgradient of MW-4S.

Chloride

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

Conductivity

Conductivity appears increasing in MW-3S, MW-4S, and MW-6S. Conductivity increased dramatically in the second quarter at MW-4S to the highest measured to date.

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 second 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, though concentrations appear to be decreasing.

Nitrate

Apparent increases in nitrate are visible for MW-3S and MW-6S. MW-4S has been increasing and was observed to be the highest measured to-date.

pH

The second 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 with minor increases in all wells during the second quarter 2025 events.

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 four events are the highest recorded. Increases were also observed at MW-4S during the second quarter 2025 events, with the highest concentration measured to-date from the second quarter B event.

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

First quarter 2025 was the first time leachate samples were collected from the Phase 2 leachate pond (Parametrix 2025h, 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 second 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 second quarter 2025 cation/anion balance differences were within acceptable limits except for MW-5S during the A 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 second 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 second quarter 2025 data were generally consistent with historical data from prior events. 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 was relatively consistent between the two second quarter events.

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 MW-2S more closely resembles the geochemistry of the other wells completed in the IZ of the Grande Ronde Basalt.

As noted in the first quarter report (Parametrix, 2025h), 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 Second 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 8 compares the second quarter 2025 event B data to the UPLs and SCLs (Parametrix 2025f and Appendix F). Control charts updated with second 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 and 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

- Nitrate exceeded the UPL of 73.89 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 and second quarter nitrate concentrations were above the GWQS/MCL, although concentrations of chloride, sulfate, and TDS remained below GWQS/MCLs. These statistically significant increases will continue to be evaluated in on-going monitoring. Two new monitoring wells have been constructed downgradient of MW-3S, and excavation of the temporary fill area is being implemented. The results from 2025 first and second quarter monitoring events will continue to be monitored 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, in the second quarter of 2025. The detected concentration was below the GWQS/MCLs and may be related to turbidity or natural variability. This UPL exceedance was not observed in second quarter 2025. Nitrate was above the UPL at MW-4S in the second quarter. As discussed above, this is the highest concentration recorded at the well to-date. Other leachate parameters that have been observed to have increasing trends or exceedances of groundwater quality criteria in the well (conductivity, TDS) were found below their UPLs.

6. Conclusions

This report summarizes the second quarter 2025 monitoring at the Rocky Top Environmental LPL in compliance with WAC 173-350-500 which consisted of two separate monitoring events: May 2025 (A event) for six monitoring wells (MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, and MW-10D) and June 2025 (B event) for all the wells except for the two new monitoring wells that were just constructed (MW-1S, and MW-11S). 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 (Parametrix, 2025h).

Water levels (Table 3) for the SA and IZ show predominantly northerly gradients (Figures 4 and 5). Groundwater flow velocities were calculated to average 3.41 ft/day for the SA and 2.14 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 approximately 3.75 ft, indicating the pond levels have significantly decreased since the first quarter. No water was 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 and MCL in MW-3S, MW-4S, and MW-6S
- Specific conductivity was above the MCL in MW-4S
- TDS was above the GWQS and MCL in MW-4S
- Total iron was above the GWQS and MCL in MW-8D in the A event and MW-9D in both A and B events; dissolved iron was above the GWQS and MCL in MW-9D in the A event
- Manganese (total and dissolved) was above the GWQS and MCL in MW-9D in both the A and B events

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-5S was 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, and the geochemistry was generally 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 8). MW-3S concentrations have exceeded the UPLs for chloride, nitrate, sulfate, and TDS for more than two consecutive quarters (Parametrix 2025f), SCLs have not been exceeded except sulfate in the second quarter 2025 event. The concentration of nitrate in MW-3S also exceeded the GWQS and MCL. These statistically significant increases are currently being addressed through construction of further downgradient well MW-11S and cross-gradient well MW-1S consistent with the RI Work Plan (Parametrix, 2025d), and the data will continue to be evaluated in on-going monitoring. Total iron in MW-4S was previous above the UPL in the first quarter and it was not found above its UPL in the second quarter. 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 being recently drilled and constructed (Figure 2). 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 will be updated now that both MW-1S and MW-11S have been constructed.
- 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.

7. References

Bentley, R.D. and N.P. Campbell. 1983. Geologic Map of the Yakima Quadrangle, Washington. Washington Division of Geology and Earth Resources Geologic Map GM-29.

Drost, B.W., K.J. Whiteman, and J.B Gonthier. 1990. Geologic Framework of the Columbia Plateau Aquifer System, Washington, Oregon, and Idaho. U.S. Geological Survey Water-Resources Investigations Report 87-4328.

Ecology (Washington Department of Ecology). 2018. Guidance for Monitoring at Landfills and Other Facilities Regulated Under Chapters 173-304, 173-306, 173-350, and 173-351 WAC. Publication No. 12-07-072. Revised December 2018.

Ecology. 2023. Guidance for Investigating and Remediating PFAS Contamination in Washington State. Publication Number 22-09-058. Published December 2022, Revised June 2023.

Ecology. 2024. DTG Yakima Limited Purpose Landfill—2023 Annual Groundwater Monitoring Report. Letter from Luke LeMond, LHG, Hydrogeologist, Solid Waste Management Program, Washington State Department of Ecology, to Steven Newchurch, Environmental Health Specialist/Solid Waste Program Lead, Yakima Health District. May 7, 2024.

EPA (U.S. Environmental Protection Agency). 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance, EPA 530/R-09-007. March 2009.

Golder Associates. 2002. Naches Basin (WRIA 38) Storage Assessment, Application of Aquifer Storage & Recovery. Prepared for Yakima River Basin Planning Unit, on behalf of the City of Yakima.

Hansen, A.J., J.J. Vaccaro, and H.H. Bauer. 1994. Ground-Water Flow Simulation of the Columbia Plateau Regional Aquifer System, Washington, Oregon, and Idaho. USGS Water-Resources Investigation Report 91-4187.

HWA (HWA GeoSciences Inc.). 2010. Groundwater Monitoring Report, Anderson Pit Limited Purpose Landfill, Yakima, Washington. February 2, 2010.

HWA. 2015. Geotechnical and Hydrogeologic Investigation Report, Anderson Rock and Demolition Pits Limited Purpose Landfill Expansion. March 18, 2015.

HWA. 2022a. Geotechnical and Hydrogeologic Investigation Report, DTG/Anderson Pit Limited Purpose Landfill. October 4, 2022.

HWA. 2022b. Groundwater Gradient Study, DTG/Anderson Pit Limited Purpose Landfill, Yakima, Washington. March 25, 2022.

Molenaar, D. 1985. Water in the Lower Yakima River Basin, Washington. Washington Department of Ecology Water Supply Bulletin 53.

Myers, C. W., S. M. Price, et al. 1979. Geologic Studies of the Columbia Plateau – A Status Report. Rockwell Hanford Operations RHO-BWI-ST-4.

Nimmo, J.R. and others. 2003. Hydraulic and Geochemical Framework of the Idaho National Engineering and Environmental Laboratory Vadose Zone. Special Section: Understanding Subsurface Flow and Transport Processes at the Idaho National Engineering & Environmental Laboratory (Ineel) Site, Vadose Zone Journal 3:6-34.

Parametrix. 2023a. Anderson Pit Limited Purpose Landfill Yakima, Washington, 2022 Annual Groundwater Monitoring Report. April 2023.

Parametrix. 2023b. Hydrogeologic Approach – New Monitoring Wells at the DTG/Anderson Limited Purpose Landfill in Yakima, Washington. Letter report. Prepared for Steven Newchurch of the Yakima Health District. February 9, 2023.

Parametrix in association with HWA Geosciences, Inc. 2023. Hydrogeologic Characterization Work Plan, DTG/Anderson Pit Limited Purpose Landfill, Yakima, Washington. Prepared for DTG Recycle. May 2023.

Parametrix 2024a. 2023 Annual Groundwater Monitoring Report, DTG Yakima Limited Purpose Landfill, Yakima, Washington. Prepared for DTG Recycle. March 2024.

Parametrix 2024b. Sampling and Analysis Plan for the DTG Yakima Limited Purpose Landfill, Yakima, Washington. Revised September 2024.

Parametrix, Inc. 2024c. Monitoring Well Construction Update DTG Yakima Limited Purpose Landfill. Technical Memorandum completed for DTG Recycle. September 20, 2024.

Parametrix 2024d. 3Q 2024 MTCA Sampling – AO #DE21624 Technical Memorandum. Prepared for the Washington State Department of Ecology on behalf of DTG Recycling, December 10, 2024.

Parametrix 2025a. Hydraulic Testing Technical Memorandum, Rocky Top Environmental Limited Purpose Landfill, Yakima, Washington. Prepared for DTG Recycling. January 2025.

Parametrix 2025b. Groundwater Sampling and Analysis Plan – MTCA Sampling, DTG Rocky Top Environmental Limited Purpose Landfill, prepared for DTG Recycling. January 2025.

Parametrix 2025c. 4Q 2024 MTCA Sampling – AO #DE21624 Technical Memorandum. Prepared for the Washington State Department of Ecology on behalf of DTG Recycling, March 5, 2025.

Parametrix 2025d. Limited Remedial Investigation Work Plan, Rocky Top Environmental Limited Purpose Landfill, prepared for DTG Recycling. January 2025.

Parametrix 2025e. Updated Hydrogeologic Characterization Report, Rocky Top Environmental Limited Purpose Landfill, prepared for DTG Recycling, March 2025.

Parametrix 2025f. 2024 Annual Groundwater Monitoring Report, DTG Yakima Limited Purpose Landfill, Yakima, Washington. Prepared for DTG Recycle. March 2025.

Parametrix 2025g. 1Q 2025 MTCA Sampling – AO #DE21624 Technical Memorandum. Prepared for the Washington State Department of Ecology on behalf of DTG Recycling, June 2025.

Parametrix 2025h. Rocky Top Environmental Limited Purpose Landfill 2025 First Quarter Groundwater Monitoring Report. June 2025.

Parametrix 2025i. 2Q 2025 MTCA Sampling – AO #DE21624 Technical Memorandum. Prepared for the Washington State Department of Ecology on behalf of DTG Recycling, In Progress

US Army Corps of Engineers (USACE), Seattle District. 1978. Yakima Valley Regional Water Management Study, Volume IV, Geology and Groundwater, July 17, 1978.

Vaccaro, J. J. 1999. Summary of the Columbia Plateau Regional Aquifer-System Analysis , Washington, Oregon, and Idaho. U.S. Geological Survey Professional Paper 1413-A.

Weather Underground. 2019. Data for Yakima, Washington, www.wunderground.com

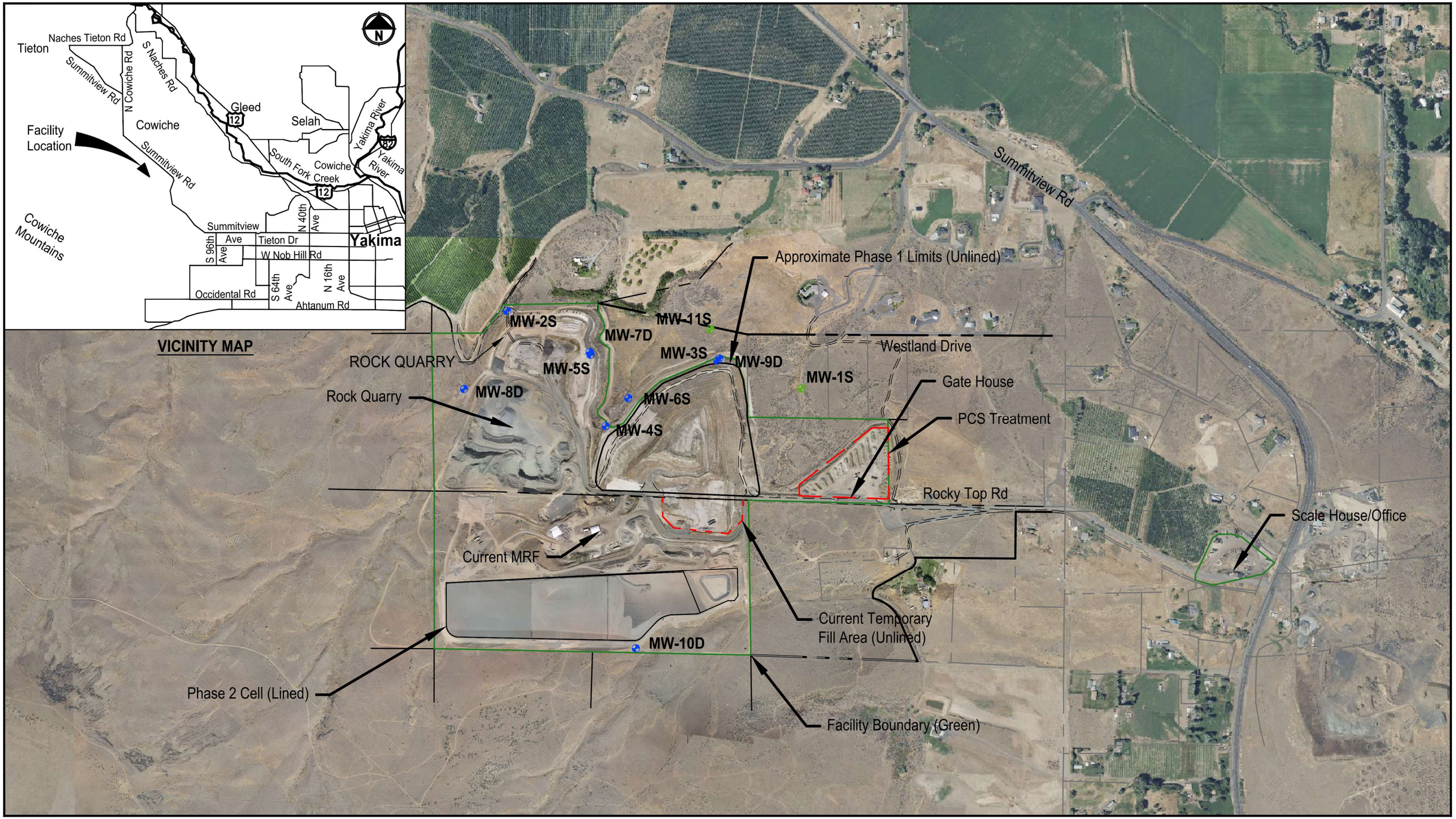
Western Regional Climate Center (WRCC). 2025. data for Yakima Air Terminal, Washington, https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?wa9465

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

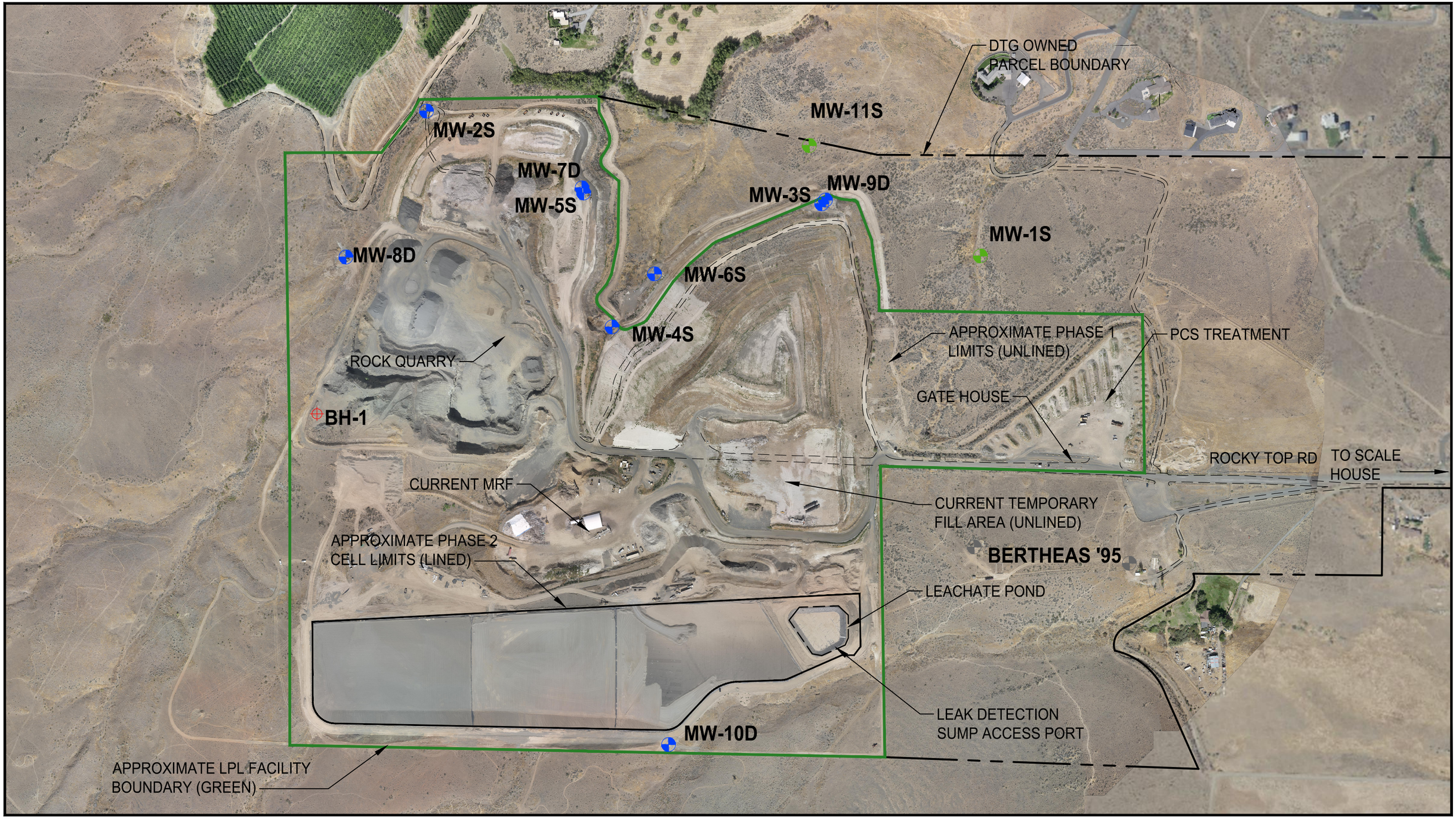


Parametrix DATE: March 7, 2025 FILE: PS8472008–FIGURE 1 – VICINITY MAP

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

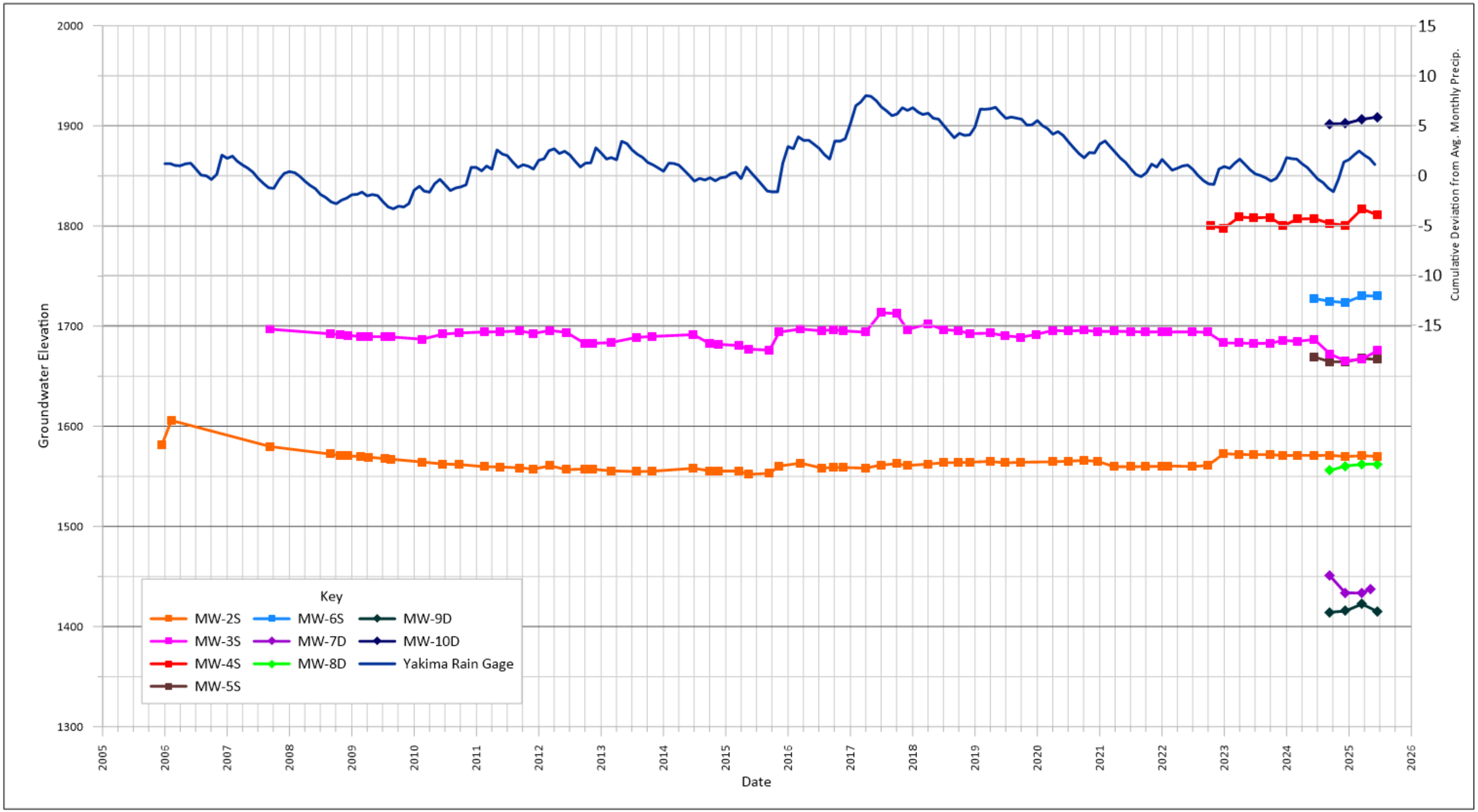
N

0 400

1 INCH = 400 FT.

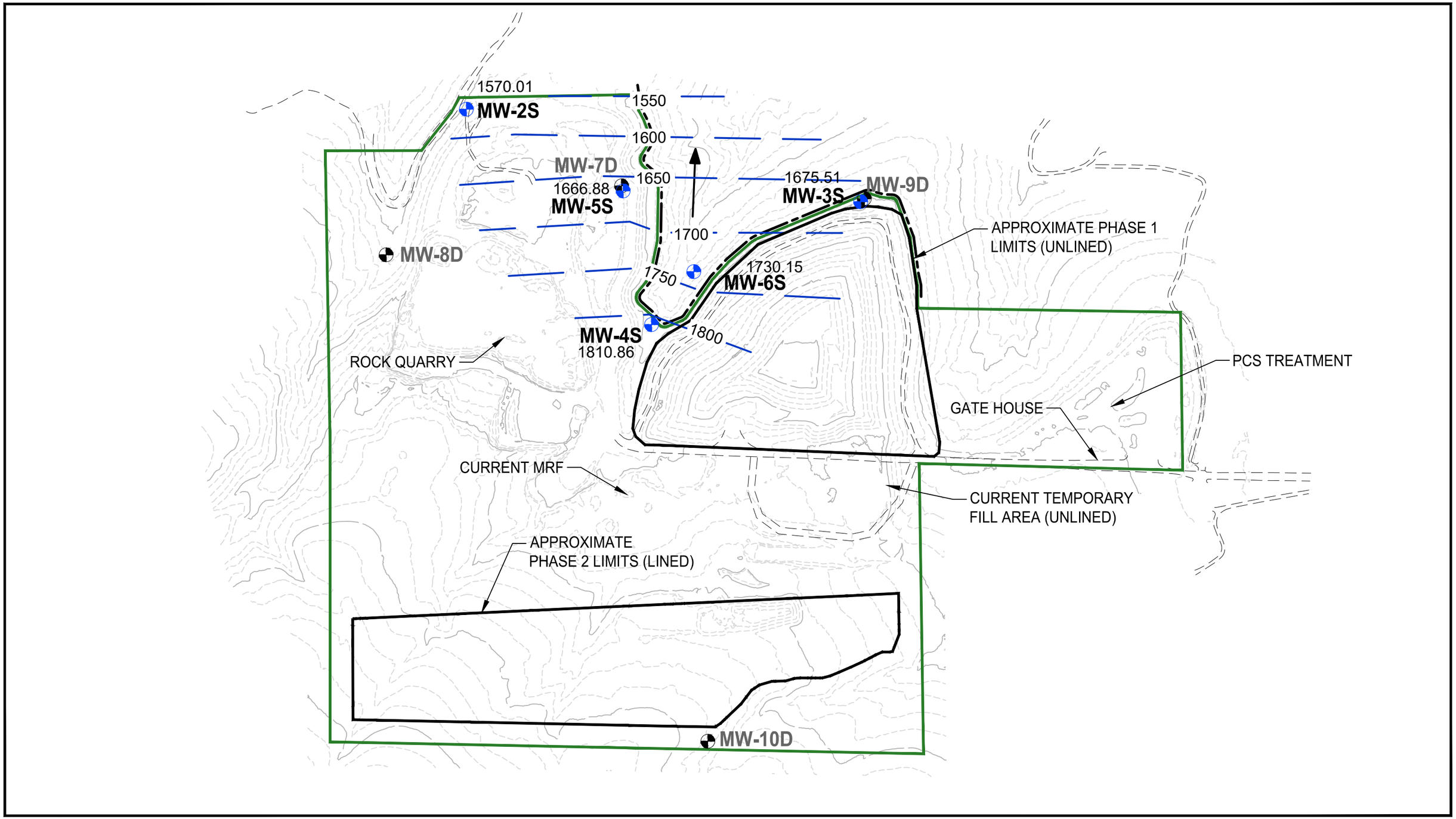
- Monitoring Well
- Proposed Monitoring Well
- Borehole
- Decommissioned Well

Figure 2
Well Location Map
Rocky Top Environmental Limited Purpose Landfill



Parametrix

Figure 3
Second Quarter 2025
Water Level Summary
Rocky Top Environmental Limited Purpose Landfill



Parametrix DATE: July 16, 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 June 17, 2025

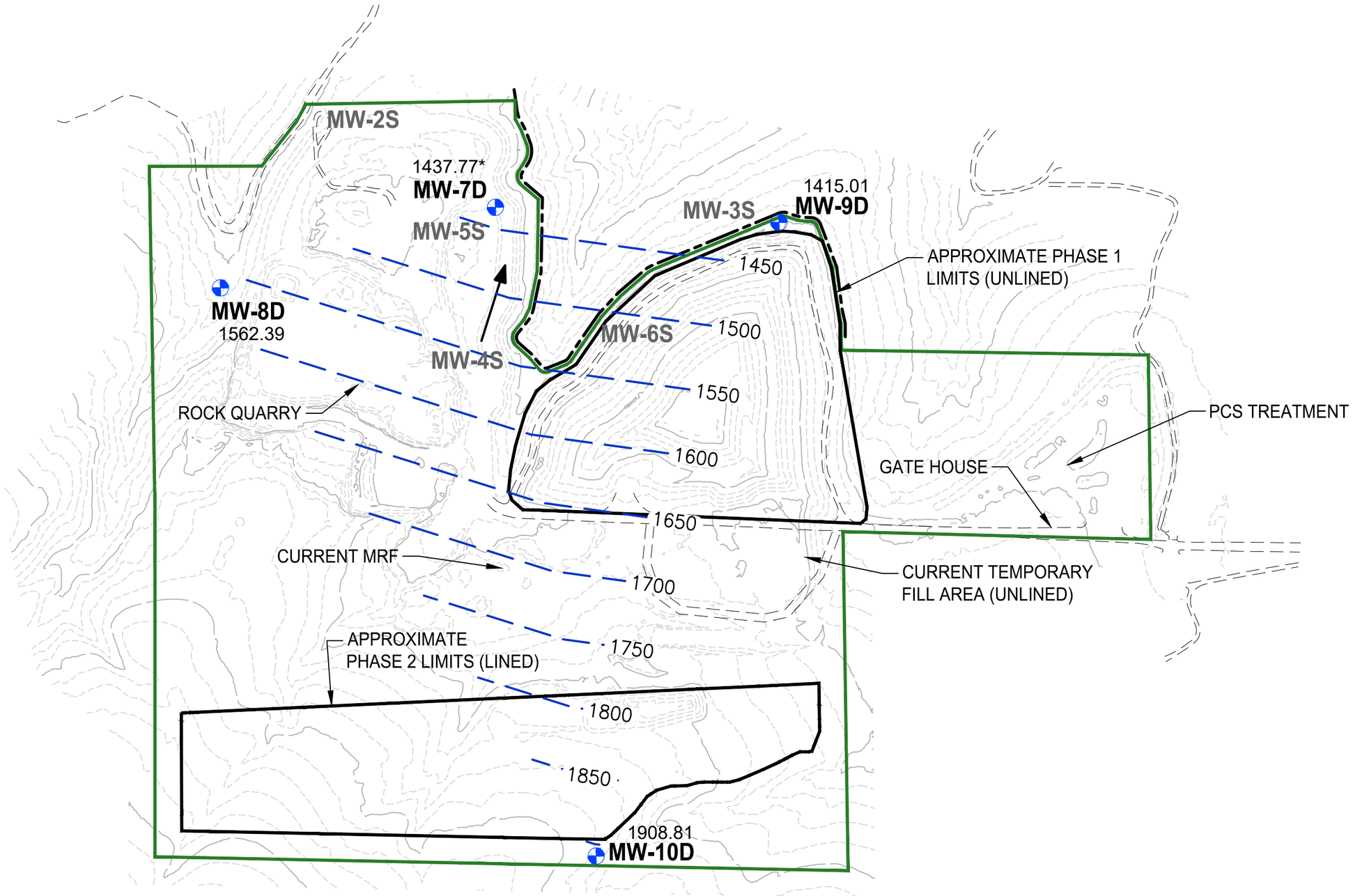
Monitoring Well not used in contours

Approximate Groundwater flow direction

1700 Groundwater Elevation Contour (ft)

LPL Facility Boundary

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



Parametrix DATE: August 15, 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 June 17, 2025 (*MW-7D measured on 5/8/25)

Monitoring Well not used in contours

Approximate Groundwater flow direction

1700 Groundwater Elevation Contour (ft)

LPL Facility Boundary

Figure 5
Second 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, Second 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	6/17/2025	1858.36	288.35	1570.01
MW-3S	6/17/2025	1845.92	170.41	1675.51
MW-4S	6/17/2025	1845.59	34.73	1810.86
MW-5S	6/17/2025	1883.88	217.00	1666.88
MW-6S	6/17/2025	1825.31	95.16	1730.15
MW-7D	5/8/2025	1883.88	446.11	1437.77
MW-8D	6/17/2025	1863.94	301.55	1562.39
MW-9D	6/17/2025	1847.49	432.48	1415.01
MW-10D	6/17/2025	1988.77	79.96	1908.81

Notes:

Elevation datum based on NAD83

NA = Not measured

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

Analyte	Units	GWQS	MCL	MW-2S 6/17/2025	MW-3S 6/18/2025	MW-13S (MW-3S Dup) 6/18/2025	MW-4S 6/18/2025	MW-5S 5/7/2025	MW-13S (MW-5S Dup) 5/7/2025	MW-5S 6/17/2025	MW-6S 5/7/2025	MW-6S 6/18/2025	Trip Blank 5/7/2025	Trip Blank 6/17/2025
Field Data														
pH		6.5-8.5		7.15	6.87	--	6.72	7.92	--	7.49	7.31	7.02	--	--
Conductivity	µmhos/cm		700 **	182.6	669	--	**1,207**	681	--	403.2	615	591	--	--
Temperature	C			14.9	14.7	--	13.4	16.2	--	14.7	13.7	13.2	--	--
Redox	mv			192.2	247.6	--	288.6	-135.1	--	-60.4	121.1	272.7	--	--
Dissolved Oxygen	mg/L			7.52	5.39	--	4.96	1.03	--	2.27	4.75	4.38	--	--
Turbidity	NTU			49.60	2.64	--	49.96	77.5	--	7.50	1.18	2.51	--	--
Metals														
Calcium, Dissolved	mg/L			13	50	50	110	30	30	30	46	44	--	--
Iron, Total	mg/L	0.30 **	0.3 **	<0.050	<0.050	<0.050	<0.050	0.25	0.25	0.18	<0.05	<0.050	--	--
Iron, Dissolved	mg/L		0.3 **	<0.056	0.088	<0.056	<0.056	0.15	0.15	0.21	<0.056	<0.056	--	--
Magnesium, Total	mg/L			9.2	37	37	78	21	19	20	32	32	--	--
Magnesium, Dissolved	mg/L			9.3	37	37	78	20	20	20	32	31	--	--
Manganese, Total	mg/L	0.05 **	0.05 **	<0.010	<0.010	<0.010	<0.010	0.039	0.035	0.039	<0.010	<0.010	--	--
Manganese, Dissolved	mg/L		0.05 **	<0.011	<0.011	<0.011	<0.011	0.039	0.038	0.042	<0.011	<0.011	--	--
Potassium, Dissolved	mg/L			3.2	4.8	4.8	7.4	3.4	3.3	3.6	4.4	4.5	--	--
Sodium, Dissolved	mg/L			10	20	20	24	18	18	19	16	18	--	--
Water Quality Parameters														
Alkalinity, Total	mg CaCO3/L			82	100	96	180	110	100	110	88	88	--	--
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			82	100	96	180	110	100	110	88	88	--	--
Chloride	mg/L	250 **	250 **	2.9	67	69	51	29	30	19	65	61	--	--
Nitrate	mg/L-N	10 *	10 *	0.686	**12.0**	**12.1**	**78.2**	0.0240	0.0380	<0.200	**11.8**	**11.8**	--	--
Sulfate	mg/L	250 **	250 **	6.3	99	80	160	83	83	68	60	59	--	--
Total Dissolved Solids	mg/L	500 **	500 **	140	420	400	**720**	240	250	230	360	330	--	--
Total Organic Carbon	mg/L			<1.0	3.2	3.1	5.2	1.7	1.8	<1.0	3.3	3.1	--	--
Total Petroleum Hydrocarbons														
Gasoline Range Organics [a]	µg/L	MTCA Method A:	1000	<100	<100	<100	<100	<100	<100	<100	<100	<100	--	--
TPHDx														
Diesel Range Organics	mg/L			<0.21	<0.21	<0.21	<0.20	<0.21	<0.21	<0.21	<0.20	<0.20	--	--
Lube Oil Range Organics	mg/L			<0.21	<0.21	<0.21	<0.20	<0.21	<0.21	<0.21	<0.20	<0.20	--	--
Total TPHDx	mg/L	MTCA Method A:	0.5	<0.21	<0.21	<0.21	<0.20	<0.21	<0.21	<0.21	<0.20	<0.20	--	--
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	µg/L	0.02 ***	2 *	<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	µg/L		7 *	<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	<6.7	<5.0	<6.7	<5.0	<5.0
Methyl Iodide	µg/L			<1.0	<1.0	<1.0	<1.0	<1.5	<1.5	<1.4	<1.5	<1.4	<1.5	<1.3
Carbon Disulfide	µg/L			<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.26	<0.20	<0.26	<0.20	<0.20
Methylene Chloride	µg/L	5 ***	5 *	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acrylonitrile	µg/L	0.07 ***		<1.0	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0
Trans-1,2-Dichloroethene	µg/L		100 *	<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	µg/L	1 ***		<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	µg/L		70 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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

Analyte	Units	GWQS	MCL	MW-2S 6/17/2025	MW-3S 6/18/2025	MW-13S (MW-3S Dup) 6/18/2025	MW-4S 6/18/2025	MW-5S 5/7/2025	MW-13S (MW-5S Dup) 5/7/2025	MW-5S 6/17/2025	MW-6S 5/7/2025	MW-6S 6/18/2025	Trip Blank 5/7/2025	Trip Blank 6/17/2025
Volatile Organic Compounds (cont.)														
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	µg/L	7 ***	80 * THM	<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-Trichloroethane	µg/L	200 *	200 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon Tetrachloride	µg/L	0.3 ***	5 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	1 ***	5 *	<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	µg/L	0.5 ***	5 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethene	µg/L	3 ***	5 *	<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	µg/L	0.6 ***	5 *	<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	µg/L	0.3 ***	80 * THM	<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	µg/L		1000 *	<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	µg/L		5 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	µg/L	0.8 ***	5 *	<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	<2.5	<2.5	<2.0	<2.5	<2.0	<2.5	<2.0
Dibromochloromethane	µg/L		80 * THM	<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)	µg/L	0.001 ***	0.05 *	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Chlorobenzene	µg/L		100 *	<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	µg/L		700 *	<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	µg/L		100 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	5 ***	80 * THM	<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			<1.0	<1.0	<1.0	<1.0	<0.50	<0.50	<1.0	<0.50	<1.0	<0.50	<1.0
1,4-Dichlorobenzene	µg/L	4 ***	75 *	<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	µg/L		600 *	<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	µg/L		0.2 *	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	µg/L	MTCA Method A:	160	<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 or MCL
-- = Not analyzed

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

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

2A = May 2025 (MW-2S, MW-3S, MW-4S not sampled)
2B = June 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. Second Quarter 2025 Interflow Zone Groundwater Quality Monitoring Results, Rocky Top Environmental Limited Purpose Landfill

Analyte	Units	GWQS	MCL	MW-7D 5/7/2025	MW-7D 6/17/2025	MW-8D 5/7/2025	MW-8D 6/18/2025	MW-9D 5/7/2025	MW-9D 6/18/2025	MW-10D 5/8/2025	MW-10D 6/19/2025	Trip Blank 5/7/2025	Trip Blank 6/17/2025
Field Data													
pH		6.5-8.5		7.92	7.54	7.98	7.69	7.11	6.82	7.46	6.88	--	--
Conductivity	µmhos/cm		700 **	199.2	194.5	363.5	353.5	425.3	431.5	238.5	237	--	--
Temperature	C			15.9	16.0	15.3	15.0	15.1	15.5	13.8	14.4	--	--
Redox	mv			-102.3	-87.2	71	215.6	-12.8	157.4	230.4	306.4	--	--
Dissolved Oxygen	mg/L			3.19	0.60	0.76	0.48	0.81	4.50	6.64	6.21	--	--
Turbidity	NTU			24.91	1.41	89.00	560.25	1.76	0.75	15.49	2.89	--	--
Metals													
Calcium, Dissolved	mg/L			14	15	26	26	30	31	19	20	--	--
Iron, Total	mg/L	0.30 **	0.30 **	0.20	0.11	**0.33**	0.20	**0.63**	**0.47**	<0.050	<0.050	--	--
Iron, Dissolved	mg/L		0.3 **	0.17	0.10	<0.056	<0.056	**0.33**	0.16	<0.056	<0.056	--	--
Magnesium, Total	mg/L			9.8	11	18	17	18	19	12	12	--	--
Magnesium, Dissolved	mg/L			11	11	18	19	19	20	11	12	--	--
Manganese, Total	mg/L	0.05 **	0.05 **	0.030	0.032	0.020	0.025	**0.18**	**0.15**	<0.010	<0.010	--	--
Manganese, Dissolved	mg/L		0.05 **	0.031	0.034	<0.011	0.023	**0.18**	**0.16**	<0.011	<0.011	--	--
Potassium, Dissolved	mg/L			2.7	2.9	3.0	3.2	2.2	2.7	2.6	2.8	--	--
Sodium, Dissolved	mg/L			11	12	18	20	22	27	13	13	--	--
Water Quality Parameters													
Alkalinity, Total	mg CaCO3/L			100	98	94	92	90	88	100	98	--	--
Ammonia (NH3) as Nitrogen (N)	mg/L			<0.053	<0.053	<0.053	<0.053	<0.053	0.090	<0.053	<0.053	--	--
Bicarbonate	mg CaCO3/L			100	98	94	92	90	88	100	98	--	--
Chloride	mg/L	250 **	250 **	2.7	2.6	15	13	40	41	3.6	4.0	--	--
Nitrate	mg/L-N	10 *	10 *	0.0350	<0.200	1.60	1.58	0.0510	1.64	1.48	1.64	--	--
Sulfate	mg/L	250 **	250 **	<5.0	<5.0	54	58	50	57	11	13	--	--
Total Dissolved Solids	mg/L	500 **	500 **	150	130	240	220	270	270	150	160	--	--
Total Organic Carbon	mg/L			<1.0	<1.0	<1.0	<1.0	2.0	2.9	<1.0	<1.0	--	--
Total Petroleum Hydrocarbons													
Gasoline Range Organics [a]	µg/L	MTCA Method A:	1000	--	--	--	--	--	--	--	--	--	--
TPHDx													
Diesel Range Organics	mg/L			--	--	--	--	--	--	--	--	--	--
Lube Oil Range Organics	mg/L			--	--	--	--	--	--	--	--	--	--
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	µg/L	0.02 ***	2 *	<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	µg/L		7 *	<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
Methyl Iodide	µg/L			<1.5	<1.0	<1.5	<1.3	<1.5	<1.3	<1.5	<1.3	<1.5	<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
Methylene Chloride	µg/L	5 ***	5 *	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acrylonitrile	µg/L	0.07 ***		<0.50	<0.69	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trans-1,2-Dichloroethene	µg/L		100 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	1 ***		<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	µg/L		70 *	<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
Bromochloromethane	µg/L			<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20

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

Analyte	Units	GWQS	MCL	MW-7D 5/7/2025	MW-7D 6/17/2025	MW-8D 5/7/2025	MW-8D 6/18/2025	MW-9D 5/7/2025	MW-9D 6/18/2025	MW-10D 5/8/2025	MW-10D 6/19/2025	Trip Blank 5/7/2025	Trip Blank 6/17/2025
Volatile Organic Compounds (cont.)													
Chloroform	µg/L	7 ***	80 * THM	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,1,1-Trichloroethane	µg/L	200 *	200 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Carbon Tetrachloride	µg/L	0.3 ***	5 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Benzene	µg/L	1 ***	5 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloroethane	µg/L	0.5 ***	5 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Trichloroethene	µg/L	3 ***	5 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichloropropane	µg/L	0.6 ***	5 *	<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	µg/L	0.3 ***	80 * THM	<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	µg/L		1000 *	<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	µg/L		5 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Tetrachloroethene	µg/L	0.8 ***	5 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
2-Hexanone	µg/L			<2.5	<2.0	<2.5	<2.0	<2.5	<2.0	<2.5	<2.0	<2.5	<2.0
Dibromochloromethane	µg/L		80 * THM	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dibromoethane (EDB)	µg/L	0.001 ***	0.05 *	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Chlorobenzene	µg/L		100 *	<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	µg/L		700 *	<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	µg/L		100 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Bromoform	µg/L	5 ***	80 * THM	<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	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
1,4-Dichlorobenzene	µg/L	4 ***	75 *	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	µg/L		600 *	<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	µg/L		0.2 *	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	µg/L	MTCA Method A:	160	<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

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

Analyte	Type of Standard		MW-7D	MW-8D	MW-9D	MW-10D
	GWQS	MCL				
Iron, Total	Secondary	Secondary	--	2A	2A, 2B	--
Iron, Dissolved	Secondary	Secondary	--	--	2A	--
Manganese, Total	Secondary	Secondary	--	--	2A, 2B	--
Manganese, Dissolved	Secondary	Secondary	--	--	2A, 2B	--

2A = May 2025

2B = June 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. Second 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	2.9	18	no	--	--
	Dissolved Iron	<0.056	0.281	no	--	--
	Total Iron	<0.050	0.118	no	--	--
	Dissolved Manganese	<0.011	0.1	no	--	--
	Total Manganese	<0.010	0.01	no	--	--
	Nitrate	0.686	2.092	no	--	--
	pH	7.15	7.86	no	5.827 - 8.245	no
	Sulfate	6.3	10.86	no	19.01	no
	Total Dissolved Solids	140	178	no	--	--
MW-3S	Ammonia	<0.053	0.14	no		no
	Chloride	**67**	47.39	yes	85.84	no
	Dissolved Iron	0.088	0.37	no	--	--
	Total Iron	<0.050	0.25	no	--	--
	Dissolved Manganese	<0.011	0.03	no	--	--
	Total Manganese	<0.010	0.01	no	--	--
	Nitrate	**12.0**	9.837	yes	18.23	no
	pH	6.87	7.765	no	--	--
	Sulfate	**99**	46.12	yes	81.34	yes
	Total Dissolved Solids	**420**	293.6	yes	533.1	no
MW-4S	Ammonia	<0.053	0.085	no	--	--
	Chloride	51	61.57	no	74.83	no
	Dissolved Iron	<0.056	0.056	no	--	--
	Total Iron	<0.050	0.055	no	--	--
	Dissolved Manganese	<0.011	0.011	no	--	--
	Total Manganese	<0.010	0.01	no	--	--
	Nitrate	**78.2**	73.89	yes	105.3	no
	pH	6.72	7.352	no	6.685 - 7.478	no
	Sulfate	160	168.4	no	240.7	no
	Total Dissolved Solids	720	811.3	no	1024	no

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

Appendix A

Second Quarter 2025
Field Data Sheets

DTG Debris to Green Recycling

Water Level Measurement Field Report

DATE 5/6/25	JOB NO.		
PROJECT: Yakima LPL	COMPANY NAME: PMX		
LOCATION: Rocky Top			
WEATHER sunny	TEMP 70-80°F	° at	AM
		° at	PM
PERSONNEL ~~C. Bourgeois~~ B Hines, W. Shaufler			

THE FOLLOWING WAS NOTED:

WELL NUMBER	Time	Depth to Water (ft below top of casing)	Measuring Point	Screen Interval (ft bgs)
MW-2S			TOC	310-330
MW-3S			TOC	188-198
MW-4S	0910 BH		TOC	49.5 – 69.5
MW-5S	~~1000~~	216.26	TOC	222-243
MW-6S	15~~27~~00 BH	94.37	TOC	110-130
MW-7D	~~1356~~ 1215 BH	NO reading BH	TOC	475-495
MW-8D	~~1425~~ 1329	301.6	TOC	375-405
MW-9D	1605	430.18	TOC	420-440
MW-10D	0820	80.83	TOC	150-170

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-5S**

Project Number:		**Date:**	5/7/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	

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

Initial Depth to Water (feet below TOC):	216.26	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	222	**Date Purged:**	5/7/25
Bottom of Screen (feet bgs)	243	**Purge Time (from/to):**	0910 – ~~1000~~ 0952 ISH
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1000

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	216.26		457.3						
0910	216.26	7.4		14.5	26.7	9.31	2.73	40/20	150 PSI
0917	216.26	7.47	757	14.5	22.1	1.68	2.44	"	
0922	216.3	7.71	792	14.7	76.2	0.97	3.85		
0925	216.26	7.85	795	15.0	-63.8	0.87	9.40		
0932	"	7.9	765	15.9	-108.8	1.18	5.75		
0937	216.27	7.87	753	17.3	-114.8	1.49	~~7.49~~ 12.56		
0942		7.84	754	18.8	-121.5	1.56	18.45		
0947		7.90	719	16.8	-130	1.19	33	30/30	150 PSI
0952		7.92	681	16.2	-135.1	1.03	77.5		
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:		**Flow Rate:**	400 mL/m
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	MW-135 0800

Remarks:

Signature:

Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-6S**

Project Number:	553-8472-006	**Date:**	5/7/25
Project Name:	Yakima LPL	**Company Name:**	Parametrix
Project Address:	Rocky Top	**Sampled By:**	~~Chris Bourgeois~~ Bri Hines, W. Shaffer, S. Nguyen

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

Initial Depth to Water (feet below TOC):	94.37	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	110	**Date Purged:**	5/7/25
Bottom of Screen (feet bgs)	130	**Purge Time (from/to):**	1500 – 1540
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	15:25

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	94.37							
15:05	94.61	7.90	600	13.0	113.9	9.72	1.22	11/9.85 PSI
15:10	95.12	7.38	613	13.8	121.5	4.52	1.09	11/9.70 PSI
15:15	95.26	7.33	617	13.8	120.5	4.79	1.17	
15:20	95.44	7.31	615	13.7	121.1	4.75	1.18	
15:25								
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:		**Flow Rate:**	260 mL/min
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

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

Signature:

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: MW-7D

Project Number:	553-3472-006	**Date:**	5/7/25
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	~~Chris Bourgeois~~ Bitha Washister

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

Initial Depth to Water (feet below TOC):		**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	475	**Date Purged:**	5/7/25
Bottom of Screen (feet bgs)	495	**Purge Time (from/to):**	1215–1335
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1306

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
NM Initial								
12:20		8.41	205.1	20.4	57.6	9.20	27.70	40/35; 240 PSI
12:25		8.01	197.5	15.7	50.7	9.30	31.32	
12:30		7.76	197.0	15.5	62.7	8.93	34.19	
12:35		7.64	197.0	15.7	70.0	6.52	26.62	
12:40		7.72	198.5	15.6	62.2	3.43	29.88	
12:45		7.82	198.2	15.6	-1.2	3.35	28.18	
12:50		7.87	198.3	15.7	-49.1	3.31	26.27	
12:55		7.91	199.3	15.9	-88.0	3.25	26.32	
13:00		7.92	199.4	15.8	-95.1	3.22	16.6	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3	10%, or 3<5.0	
13:05		7.92	199.2	15.9	-102.3	3.19 <0.5	24.91	

Purge Equipment: **Flow Rate:** 310 mL/min

Laboratory: **Date Sent to Lab:**

Shipment Method **Field QC Sample Number:**

Remarks: Couldn't read water level 5/6/25

4/4 4 6.11 = Measured water level 5/8

Signature:

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #:**MW-8D**

Project Number:		**Date:**	5/7/25
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	Chris Bourgeois

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

Initial Depth to Water (feet below TOC):	301.60	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	375	**Date Purged:**	5/7/25
Bottom of Screen (feet bgs)	405	**Purge Time (from/to):**	1349 - 1420
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)	PUMP SETTING	
Initial	301.60								
1350		8.00	377.2	13.6	97.3	7.72	2.8	30/30	210 PSI
1355		7.85	374.1	14.4	98.5	2.14	3.71	"	240 PSI
1400	303.80	7.89	367.7	15.0	92.5	0.87	16.87	"	"
1405	303.52	7.91	346.1	15.2	85.2	0.8	47.28		
1410	304.51	7.92	365.3	15.3	81.1	0.83	71.20		
1415		7.95	363.2	15.3	76.1	0.80	84.50		
1420	305.08	7.98	363.5	15.3	71	0.76	89		
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:		**Flow Rate:**	460
Laboratory:		**Date Sent to Lab:**	
Shipment Method		**Field QC Sample Number:**	

Remarks:

Water level fluctuating during sampling

Signature: Brian Ridl

Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-9D**

Project Number:		**Date:**	5/7/25
Project Name:	Yakima LPL	**Company Name:**	
Project Address:	Rocky Top	**Sampled By:**	~~Chris Bourgeois~~ W. Shaefler, B. Hines, S. Nguyen

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

Initial Depth to Water (feet below TOC):	430.18	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	420	**Date Purged:**	5/7/25
Bottom of Screen (feet bgs)	440	**Purge Time (from/to):**	1604 - 1650
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1655

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	430.18								
1605	430.42	7.61	410.5	15.3	115.3	7.75	8.17	60/40	250 PSI
1610	430.72	7.40	397.1	14.7	127.4	7.36	7.15	"	"
1615	431.0	7.24	395.6	14.8	131.9	6.21	1.74	"	"
1620	431.32	7.20	398.5	15.0	131.9	4.32	2.14	"	"
1625	431.72	7.12	419.5	14.9	98	1.36	2.64	"	"
1630		7.12	422.8	15.3	51.7	0.93	1.77	"	"
1635	432.24	7.12	420.1 ~~424.2~~	14.8	~~38~~ 31.4	0.90	1.89	"	"
1640		7.11	422.7	15.5	14.1	0.83	1.9	"	"
1645	432.79	7.11	423	15.7	-22	0.81	1.84		"
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

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

Remarks:

Signature: [signature]

1650		7.11	425.3	15.1	-12.8	0.81	1.76
1655							
1700							

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #:**MW-10D**

Project Number:		**Date:**	5/8/25
Project Name:	Yakima LPL	**Company Name:**	Parametrix
Project Address:	Rocky Top	**Sampled By:**	~~Chris Bourgeois~~ B. Hires, W. Stauffer

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

Initial Depth to Water (feet below TOC):	80.83	**Purge Rate Measurement Method:**	
Top of Screen (feet bgs):	147	**Date Purged:**	5/8/25
Bottom of Screen (feet bgs)	167	**Purge Time (from/to):**	0755 - 0815
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	0820

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	80.83							
7:55	82.24	7.44	237.9	13.9	236.4	4.56	1.80	20/10, 140 PSI
8:00	83.54	7.48	238.4	13.7	232.6	6.57	2.43	20/10, 100 PSI
8:05	83.09	7.47	238.4	13.7	232.0	6.32	5.74	
8:10	84.84	7.46	238.3	13.7	231.2	6.41	17.24	
8:15	84.74	7.46	238.5	13.8	230.4	6.64	15.49	
8:20								
8:25								
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:

~~450 mL/min~~

Signature: W

DTG Debris to Green Recycling

Water Level Measurement Field Report

DATE 6/17/25	JOB NO. 553-8472-009
PROJECT: Yakima LPL	COMPANY NAME: Parametrix
LOCATION: Rocky Top	
WEATHER Sunny	TEMP 90 ° at 12 AM PM
PERSONNEL [redacted] Hines & Nguyen	

THE FOLLOWING WAS NOTED:

WELL NUMBER	Time	Depth to Water (ft below top of casing)	Measuring Point	Screen Interval (ft bgs)
MW-2S	955	288.35	TOC	310-330
MW-3S	~~1030~~ 1029	170.41	TOC	188-198
MW-4S	1619	34.73	TOC	49.5 – 69.5
MW-5S	915	217.00	TOC	222-243
MW-6S	1018	95.16	TOC	110-130
* MW-7D	—	—	TOC	475-495
MW-8D	1007	301.55	TOC	375-405
MW-9D	1035	432.48	TOC	420-440
MW-10D	1045	79.96	TOC	150-170
6/18/25 MW-11S	1521	109.96	TOC	

* Couldn't get WL reading

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: MW-25

Project Number:	553-847-2009	**Date:**	6/17/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	BH, SN

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

Initial Depth to Water (feet):	288.35	**Purge Rate Measurement Method:**	graduated cylinder
Depth of Well (feet):		**Date Purged:**	6/17/25
Top of Screen (feet)		**Purge Time (from/to):**	1510 – 1520
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1524

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									
1500	288.32	2.85	181.7	15.5	162	8.55	47.57	30/30	175
1505	289.21	2.11	182	14.4	175.5	6.70	6.69	"	"
1510	289.30	7.20	182.3	14.7	181	7.3	47.47	"	"
1515		7.18	182.6	14.9	182.5	7.35	46.70		
1520	289.25	7.15	182.6	14.9	192	7.52	49.60		
1525									
1530									
1535									
1540									
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:	YSI probe	**Flow Rate:**	
Laboratory:		**Date Sent to Lab:**	6/19/25
Shipment Method	dropped off	**Field QC Sample Number:**	

Remarks:

SWC Sampled 6/19/25 @ 0938
let purge for 15 minutes before collecting

Signature:

Debris to Green Recycling

Groundwater Sampling Field Data Sheet

35 BA

Well #: MW-~~35~~

Project Number:	553-847-2009	**Date:**	6/18/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	BH, JN

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

Initial Depth to Water (feet below TOC):	170.41	**Purge Rate Measurement Method:**	graduated cylinder
Top of Screen (feet bgs):	~~110~~	**Date Purged:**	6/18/25
Bottom of Screen (feet bgs)	~~130~~	**Purge Time (from/to):**	1245 - 1310
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1310

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									
1245	170.39	7.55	651	15.4	220.3	8.8	2.32	40/20	130 x 51
1250		6.95	666	14.7	232.9	5.84	2.90	"	"
1255		6.91	670	14.9	237.9	5.47	2.93	"	"
1300	171.02	6.89	672	14.9	243.1	5.43	2.81	"	"
1305	170.97	6.87	669	14.7	242.6	5.39	2.64	"	
1310									
1315									
1320									
1325									
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:	YSI Probe	**Flow Rate:**	430 mL/min
Laboratory:		**Date Sent to Lab:**	6/19/25
Shipment Method	dropped off	**Field QC Sample Number:**	MW-135

Remarks: DUP, MW-13S-_____ collected here, at: 0800

Signature:

Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: 45

Project Number:	553 - 847 - 2009	**Date:**	6/18/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	BH, SW

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

Initial Depth to Water (feet):	34.73	**Purge Rate Measurement Method:**	graduated cylinder
Depth of Well (feet):		**Date Purged:**	6/18/25
Top of Screen (feet)		**Purge Time (from/to):**	0955 - 1035
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1040

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									
0955	35.23	6.87	1244	14.1	259.3	5.3	4.17	MID	40 PSI
1000		6.79	1234	13.4	263.3	~~6.87~~ 5.05	6.84	"	"
1005		6.76	1232	14.1	268.4	4.84	18.82	"	"
1010		6.74	1228	14.5	273.2	4.72	32.17	"	"
1015	35.00	6.75	1258	16.1 ~~15.6~~	271.4	4.42	~~40.20~~ 30.44		
1020	35.26	6.74	1217	13.5	283.3	5.04	~~BBB~~ 43.50		
1025	35.32	6.72	1215	13.5	286.4	5.04	46.60		
1030		6.72	1207	13.4	288.6	4.96	49.96		
1035									
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:	YSI Probe	**Flow Rate:**	750
Laboratory:		**Date Sent to Lab:**	6/19/25
Shipment Method	dropped off	**Field QC Sample Number:**	N/A

Remarks:

Couldn't get flow rate under 500 → Couldn't lower pressure any further

Signature: Brian J Fire

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #:**MW-5S**

Project Number:	553-847-204	**Date:**	6/17/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	BH

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

Initial Depth to Water (feet below TOC):	217	**Purge Rate Measurement Method:**	graduated cylinder
Top of Screen (feet bgs):	222	**Date Purged:**	6/17/25
Bottom of Screen (feet bgs)	243	**Purge Time (from/to):**	1105 – 1135
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1145

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						9.25			
~~1100~~ 1105	217.5	7.22	410	16.1	296.4	~~9.25~~	8.06	40/20	130 PSI
1110	"	7.52	762	14.6	-105.9	1.71	4.91	40/20	
1115	"	7.60	759	14.6	-136.1	1.03	~~4.03~~ 5.06	"	"
1120	"	7.63	711.2	14.8	-136.7	0.94	6.32	"	"
1125	"	~~7.53~~	420.4	14.8	-89.2	2.25	7.5	"	"
1130	"	7.51	408	14.6	-68.5	2.3	3685*	"	"
1135	"	7.49	403.2	14.7	-60.4	2.27	4094	"	
1140									
1145									
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:	YSI Probe	**Flow Rate:**	
Laboratory:		**Date Sent to Lab:**	6/19/25
Shipment Method	dropped off	**Field QC Sample Number:**	

Remarks:

Used non PFAS-safe water level by accident Will note on sample bottles

* This spiked to > 1500 then lowered around 340

Signature:

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #:**MW-6S**

Project Number:	553-847-2009	**Date:**	6/18/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	BH, SN

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

Initial Depth to Water (feet below TOC):	95.16	**Purge Rate Measurement Method:**	graduated cylinder
Top of Screen (feet bgs):	110	**Date Purged:**	6/18/25
Bottom of Screen (feet bgs)	130	**Purge Time (from/to):**	1110 – 1125
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									
1110	95.51	7.20	621	13.2	210.9	4.33	2.52	11/9	80 PSI
1115		7.04	621	12.9	212.8	4.69	2.54	N/A	70 PSI
1120	~~95~~	7.02	591	13.2	212.7	4.38	2.51	11	11
1125									
1130									
1135									
1140									
1145									
1150									
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:	YSI Probe	**Flow Rate:**	500 mL/min
Laboratory:		**Date Sent to Lab:**	6/19/25
Shipment Method	dropped off	**Field QC Sample Number:**	N/A

Remarks: ~~DUP: MW-13S collected here at:~~

Final level - 98.2

Signature:

Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #:**MW-7D**

Project Number:	553 - 8472-009	**Date:**	6/17/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	BH, SN

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

Initial Depth to Water (feet below TOC):	~~[illegible]~~ BH	**Purge Rate Measurement Method:**	graduated cylinder
Top of Screen (feet bgs):	475	**Date Purged:**	6/17/25
Bottom of Screen (feet bgs)	495	**Purge Time (from/to):**	1325 - 1355
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1356

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			194.3					
1325	—	7.9	~~159~~	15.9	60.8	9.25	2.04	40/35
1330	—	2.36	194.9	15.2	86.3	8.68	2.75	"
1335	—	7.31	196.1	16.1	-4.5	4.72	2.12	"
1340	—	7.53	194.8	16.1	-20.1	1.32	1.48	"
1345		7.56	194.7	16	-79	0.88	0 1.45	
1350		7.55	194.5	15.9	-82	0.73	1.48	
1355		7.54	194.5	16.0	-87.2	0.6	1.41	
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0	

Purge Equipment:	YSI Probe	**Flow Rate:**	475 mL/min
Laboratory:		**Date Sent to Lab:**	6/19/25
Shipment Method	dropped off	**Field QC Sample Number:**	

Remarks:

Water meter getting stuck - can't get reading

Signature:

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-8D**

Project Number:	553-547-2009	**Date:**	6/18/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	BH, SN

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

Initial Depth to Water (feet below TOC):	301.75 BH ~~couldn't get reading~~	**Purge Rate Measurement Method:**	graduated cylinder
Top of Screen (feet bgs):	375	**Date Purged:**	6/18/25
Bottom of Screen (feet bgs)	405	**Purge Time (from/to):**	0814 - 0850
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	0852

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									
0815	~~0~~	7.64	360.1	13.9	234	1.90	6.61	30/30	235 (PSI)
0820		7.62	355.3	14.3	234.6	5.7	5.48	"	"
0825		7.59	~~354.5~~	14.7	235	0.50	~~5~~ 4.8	"	"
0830		7.62	354	14.8	234.8	0.49	~~24.77~~ 24.77	"	"
0835		7.64	352.6	14.9	232.1	0.51	37.18	"	"
0840		7.64	353.3	14.9	229	0.47	65.98	"	"
0845		7.69	353.5	15.0	215.6	0.48	560.25	"	"
0850									
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:	YSI probe	**Flow Rate:**	
Laboratory:		**Date Sent to Lab:**	6/19/25
Shipment Method	dropped off	**Field QC Sample Number:**	N/A

Remarks:

~~couldn't get~~ depth reading

meter got stuck on tubing

Signature: [signature]

Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #:**MW-9D**

Project Number:	553-847-2009	**Date:**	6/18/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	BA, SN

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

Initial Depth to Water (feet below TOC):	432.48	**Purge Rate Measurement Method:**	graduated cylinder
Top of Screen (feet bgs):	420	**Date Purged:**	6/18/25
Bottom of Screen (feet bgs)	440	**Purge Time (from/to):**	BA 1405–1445
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	1450

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									
1405	432.46	7.30	427.5	17.9	221.7	BA 7.15	2.54	60/40	230 PSI
1410	432.93	7.16	418.8	16.4	236	6.98	2.67	"	"
1415	433.30	7.00	418.3	15.6	240.7	6.08	2.75	"	"
1420	433.59	6.86	423.9	15.6	220.6	6.54	3.03	"	"
1425	433.92	6.84	428	15.5	207.8	6.35	1.60	"	"
1430		6.82	430.8	15.8	171.8	4.73	0.80	"	"
1435	434.50	6.82	430.2	15.6	167.2	4.55	0.75		
1440		6.82	424.9	15.6	163.1	4.53	0.74		
1445		6.82	431.5	15.5	157.4	4.5	0.75		
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:	YSI probe	**Flow Rate:**	390 mL/min
Laboratory:		**Date Sent to Lab:**	6/19/25
Shipment Method	dropped off	**Field QC Sample Number:**	N/A

Remarks: accidentally listed DO in turbidity column & vice versa Bri will correct when digitize data

Signature: [signature]

DTG Debris to Green Recycling

Groundwater Sampling Field Data Sheet

Well #: **MW-10D**

Project Number:	553-847-209	**Date:**	6/19/25
Project Name:	Yakima LPL	**Company Name:**	PMX
Project Address:	Rocky Top	**Sampled By:**	BH, SN

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

Initial Depth to Water (feet below TOC):	79.96	**Purge Rate Measurement Method:**	graduated cylinder
Top of Screen (feet bgs):	147	**Date Purged:**	6/19/25
Bottom of Screen (feet bgs)	167	**Purge Time (from/to):**	0752 - 0808
Reference Point (surveyor's notch, etc.):		**Time Sampled:**	0810

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									
0752	79.96	6.42	236.4	14.6	338.1	9.28	2.95	20/10	90 PSI
0757	81.60	6.76	236.5	14.4	316.4	5.43	2.76	"	"
0802	81.32	6.83	236.4	14.4	311.5	6.88	2.80	"	"
0807	81.70	6.88	237	14.4	306.4	6.21	2.89	"	"
0812									
0817									
0822									
0827									
0832									
Stabilization Criteria		± 0.1	3%	3%	± 10 mv	10%, or 3 <0.5	10%, or 3<5.0		

Purge Equipment:	YSI probe	**Flow Rate:**	475 mL/min
Laboratory:	TBD	**Date Sent to Lab:**	6/19/25
Shipment Method	dropped off	**Field QC Sample Number:**	N/A

Remarks:

Signature: Brian L Hu

Debris to Green Recycling

Field Data Sheet

Well #: **Leachate Pond**

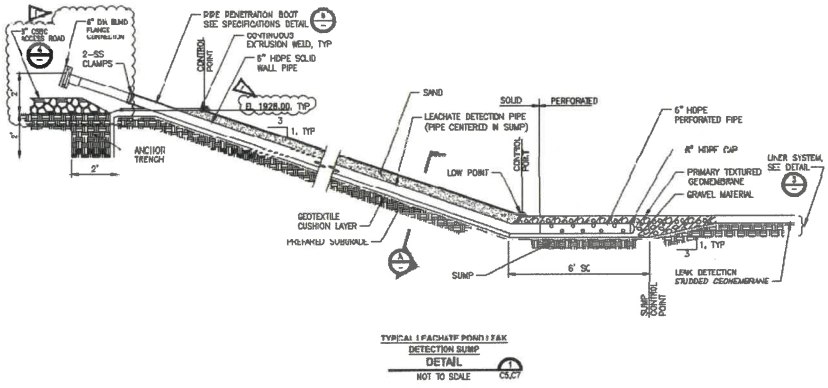
Project Number:		**Date:**	6/19/25
Project Name:	Yakima LPL	**Client Name**	DTG Recycle
Project Address:	41 Rocky Top Road	**Measured By:**	BH, JN
	Yakima, WA		

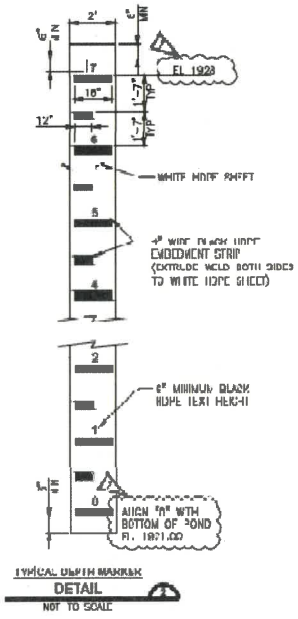
TIME (2400 hr)	Depth to Water from top of Cleanout Pipe (ft)	Depth of Water in Leachate Pond (ft)
0831	OFF (dry)	3.75ft

Remarks:

Top 1928 ft, bottom 1921 ft; approximate length of pipe 22 ft (3:1)

Pond design:





Signature: _____

Appendix B

Second Quarter 2025
Laboratory Analytical Report

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

May 23, 2025

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

Re: Analytical Data for Project 553-8472-009
Laboratory Reference No. 2505-101

Dear Laura:

Enclosed are the analytical results and associated quality control data for samples submitted on May 8, 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: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

Case Narrative

Samples were collected on May 7 and 8, 2025 and received by the laboratory on May 8, 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: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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**					
Laboratory ID:	05-101-01					
Chloromethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Bromomethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Chloroethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Acetone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Iodomethane	ND	1.5	EPA 8260D	5-12-25	5-12-25	
Carbon Disulfide	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methylene Chloride	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Acrylonitrile	ND	0.50	EPA 8260D	5-12-25	5-12-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Acetate	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Butanone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Bromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Chloroform	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Benzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Trichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Dibromomethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromodichloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	5-12-25	5-12-25	
Toluene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Tetrachloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Hexanone	ND	2.5	EPA 8260D	5-12-25	5-12-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	05-101-01					
Dibromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Chlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Ethylbenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
m,p-Xylene	ND	0.40	EPA 8260D	5-12-25	5-12-25	
o-Xylene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Styrene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromoform	ND	1.0	EPA 8260D	5-12-25	5-12-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	5-12-25	5-12-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Naphthalene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*111*	*68-133*				
Toluene-d8	*107*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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-6S**					
Laboratory ID:	05-101-02					
Chloromethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Bromomethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Chloroethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Acetone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Iodomethane	ND	1.5	EPA 8260D	5-12-25	5-12-25	
Carbon Disulfide	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methylene Chloride	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Acrylonitrile	ND	0.50	EPA 8260D	5-12-25	5-12-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Acetate	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Butanone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Bromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Chloroform	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Benzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Trichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Dibromomethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromodichloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	5-12-25	5-12-25	
Toluene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Tetrachloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Hexanone	ND	2.5	EPA 8260D	5-12-25	5-12-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Dibromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Chlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Ethylbenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
m,p-Xylene	ND	0.40	EPA 8260D	5-12-25	5-12-25	
o-Xylene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Styrene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromoform	ND	1.0	EPA 8260D	5-12-25	5-12-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	5-12-25	5-12-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Naphthalene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*68-133*				
Toluene-d8	*107*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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-13S**					
Laboratory ID:	05-101-03					
Chloromethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Bromomethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Chloroethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Acetone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Iodomethane	ND	1.5	EPA 8260D	5-12-25	5-12-25	
Carbon Disulfide	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methylene Chloride	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Acrylonitrile	ND	0.50	EPA 8260D	5-12-25	5-12-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Acetate	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Butanone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Bromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Chloroform	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Benzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Trichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Dibromomethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromodichloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	5-12-25	5-12-25	
Toluene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Tetrachloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Hexanone	ND	2.5	EPA 8260D	5-12-25	5-12-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Dibromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Chlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Ethylbenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
m,p-Xylene	ND	0.40	EPA 8260D	5-12-25	5-12-25	
o-Xylene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Styrene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromoform	ND	1.0	EPA 8260D	5-12-25	5-12-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	5-12-25	5-12-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Naphthalene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*68-133*				
Toluene-d8	*107*	*79-123*				
4-Bromofluorobenzene	*99*	*78-117*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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**					
Laboratory ID:	05-101-04					
Chloromethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Bromomethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Chloroethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Acetone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Iodomethane	ND	1.5	EPA 8260D	5-12-25	5-12-25	
Carbon Disulfide	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methylene Chloride	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Acrylonitrile	ND	0.50	EPA 8260D	5-12-25	5-12-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Acetate	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Butanone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Bromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Chloroform	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Benzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Trichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Dibromomethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromodichloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	5-12-25	5-12-25	
Toluene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Tetrachloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Hexanone	ND	2.5	EPA 8260D	5-12-25	5-12-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-7D**					
Laboratory ID:	05-101-04					
Dibromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Chlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Ethylbenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
m,p-Xylene	ND	0.40	EPA 8260D	5-12-25	5-12-25	
o-Xylene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Styrene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromoform	ND	1.0	EPA 8260D	5-12-25	5-12-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	5-12-25	5-12-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Naphthalene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*113*	*68-133*				
Toluene-d8	*108*	*79-123*				
4-Bromofluorobenzene	*99*	*78-117*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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-8D**					
Laboratory ID:	05-101-05					
Chloromethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Bromomethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Chloroethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Acetone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Iodomethane	ND	1.5	EPA 8260D	5-12-25	5-12-25	
Carbon Disulfide	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methylene Chloride	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Acrylonitrile	ND	0.50	EPA 8260D	5-12-25	5-12-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Acetate	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Butanone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Bromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Chloroform	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Benzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Trichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Dibromomethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromodichloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	5-12-25	5-12-25	
Toluene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Tetrachloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Hexanone	ND	2.5	EPA 8260D	5-12-25	5-12-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-8D**					
Laboratory ID:	05-101-05					
Dibromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Chlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Ethylbenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
m,p-Xylene	ND	0.40	EPA 8260D	5-12-25	5-12-25	
o-Xylene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Styrene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromoform	ND	1.0	EPA 8260D	5-12-25	5-12-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	5-12-25	5-12-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Naphthalene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*68-133*				
Toluene-d8	*106*	*79-123*				
4-Bromofluorobenzene	*99*	*78-117*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	05-101-06					
Chloromethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Bromomethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Chloroethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Acetone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Iodomethane	ND	1.5	EPA 8260D	5-12-25	5-12-25	
Carbon Disulfide	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methylene Chloride	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Acrylonitrile	ND	0.50	EPA 8260D	5-12-25	5-12-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Acetate	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Butanone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Bromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Chloroform	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Benzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Trichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Dibromomethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromodichloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	5-12-25	5-12-25	
Toluene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Tetrachloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Hexanone	ND	2.5	EPA 8260D	5-12-25	5-12-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	05-101-06					
Dibromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Chlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Ethylbenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
m,p-Xylene	ND	0.40	EPA 8260D	5-12-25	5-12-25	
o-Xylene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Styrene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromoform	ND	1.0	EPA 8260D	5-12-25	5-12-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	5-12-25	5-12-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Naphthalene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*68-133*				
Toluene-d8	*107*	*79-123*				
4-Bromofluorobenzene	*99*	*78-117*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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-10D**					
Laboratory ID:	05-101-07					
Chloromethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Bromomethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Chloroethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Acetone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Iodomethane	ND	1.5	EPA 8260D	5-12-25	5-12-25	
Carbon Disulfide	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methylene Chloride	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Acrylonitrile	ND	0.50	EPA 8260D	5-12-25	5-12-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Acetate	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Butanone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Bromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Chloroform	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Benzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Trichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Dibromomethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromodichloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	5-12-25	5-12-25	
Toluene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Tetrachloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Hexanone	ND	2.5	EPA 8260D	5-12-25	5-12-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	05-101-07					
Dibromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Chlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Ethylbenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
m,p-Xylene	ND	0.40	EPA 8260D	5-12-25	5-12-25	
o-Xylene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Styrene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromoform	ND	1.0	EPA 8260D	5-12-25	5-12-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	5-12-25	5-12-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Naphthalene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*112*	*68-133*				
Toluene-d8	*107*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	**Trip Blanks**					
Laboratory ID:	05-101-08					
Chloromethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Bromomethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Chloroethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Acetone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Iodomethane	ND	1.5	EPA 8260D	5-12-25	5-12-25	
Carbon Disulfide	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methylene Chloride	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Acrylonitrile	ND	0.50	EPA 8260D	5-12-25	5-12-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Acetate	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Butanone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Bromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Chloroform	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Benzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Trichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Dibromomethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromodichloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	5-12-25	5-12-25	
Toluene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Tetrachloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Hexanone	ND	2.5	EPA 8260D	5-12-25	5-12-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blanks**					
Laboratory ID:	05-101-08					
Dibromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Chlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Ethylbenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
m,p-Xylene	ND	0.40	EPA 8260D	5-12-25	5-12-25	
o-Xylene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Styrene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromoform	ND	1.0	EPA 8260D	5-12-25	5-12-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	5-12-25	5-12-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Naphthalene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*115*	*68-133*				
Toluene-d8	*108*	*79-123*				
4-Bromofluorobenzene	*100*	*78-117*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	MB0512W1					
Chloromethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Bromomethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Chloroethane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Acetone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Iodomethane	ND	1.5	EPA 8260D	5-12-25	5-12-25	
Carbon Disulfide	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methylene Chloride	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Acrylonitrile	ND	0.50	EPA 8260D	5-12-25	5-12-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Vinyl Acetate	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Butanone	ND	5.0	EPA 8260D	5-12-25	5-12-25	
Bromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Chloroform	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Benzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Trichloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Dibromomethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromodichloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	5-12-25	5-12-25	
Toluene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Tetrachloroethene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
2-Hexanone	ND	2.5	EPA 8260D	5-12-25	5-12-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0512W1					
Dibromochloromethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	5-12-25	5-12-25	
Chlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Ethylbenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
m,p-Xylene	ND	0.40	EPA 8260D	5-12-25	5-12-25	
o-Xylene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Styrene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
Bromoform	ND	1.0	EPA 8260D	5-12-25	5-12-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	5-12-25	5-12-25	
(trans) 1,4-Dichloro-2-butene	ND	0.50	EPA 8260D	5-12-25	5-12-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	5-12-25	5-12-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Naphthalene	ND	1.0	EPA 8260D	5-12-25	5-12-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*111*	*68-133*				
Toluene-d8	*106*	*79-123*				
4-Bromofluorobenzene	*99*	*78-117*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-101-01										
	MS	MSD	MS	MSD		MS	MSD				
Chloromethane	**8.60**	**9.26**	10.0	10.0	ND	86	93	49-136	7	27	
Vinyl Chloride	**10.1**	**10.9**	10.0	10.0	ND	101	109	69-126	8	16	
Bromomethane	**9.11**	**10.3**	10.0	10.0	ND	91	103	32-158	12	24	
Chloroethane	**10.5**	**11.6**	10.0	10.0	ND	105	116	62-125	10	14	
Trichlorofluoromethane	**10.6**	**11.7**	10.0	10.0	ND	106	117	80-128	10	16	
1,1-Dichloroethene	**10.3**	**11.4**	10.0	10.0	ND	103	114	73-125	10	15	
Acetone	**13.8**	**13.4**	10.0	10.0	1.26	125	121	37-164	3	29	
Iodomethane	**7.18**	**8.41**	10.0	10.0	ND	72	84	35-141	16	25	
Carbon Disulfide	**8.21**	**8.62**	10.0	10.0	ND	82	86	55-127	5	17	
Methylene Chloride	**9.77**	**10.9**	10.0	10.0	ND	98	109	63-118	11	16	
(trans) 1,2-Dichloroethene	**10.5**	**11.5**	10.0	10.0	ND	105	115	70-127	9	16	
1,1-Dichloroethane	**10.4**	**11.7**	10.0	10.0	ND	104	117	71-126	12	15	
Vinyl Acetate	**11.2**	**12.2**	10.0	10.0	ND	112	122	60-140	9	17	
(cis) 1,2-Dichloroethene	**10.7**	**12.0**	10.0	10.0	ND	107	120	71-130	11	16	
2-Butanone	**10.3**	**11.2**	10.0	10.0	ND	103	112	56-143	8	19	
Bromochloromethane	**10.8**	**12.1**	10.0	10.0	ND	108	121	68-133	11	17	
Chloroform	**10.4**	**11.7**	10.0	10.0	ND	104	117	68-127	12	16	
1,1,1-Trichloroethane	**10.4**	**11.6**	10.0	10.0	ND	104	116	74-127	11	17	
Carbon Tetrachloride	**10.5**	**11.6**	10.0	10.0	ND	105	116	72-134	10	18	
Benzene	**9.91**	**11.1**	10.0	10.0	ND	99	111	69-129	11	16	
1,2-Dichloroethane	**10.8**	**12.4**	10.0	10.0	ND	108	124	71-134	14	17	
Trichloroethene	**9.89**	**10.8**	10.0	10.0	ND	99	108	74-134	9	12	
1,2-Dichloropropane	**10.4**	**11.5**	10.0	10.0	ND	104	115	74-130	10	17	
Dibromomethane	**10.5**	**11.8**	10.0	10.0	ND	105	118	74-140	12	16	
Bromodichloromethane	**10.7**	**11.9**	10.0	10.0	ND	107	119	77-137	11	17	
(cis) 1,3-Dichloropropene	**10.9**	**12.3**	10.0	10.0	ND	109	123	73-137	12	17	
Methyl Isobutyl Ketone	**10.4**	**11.7**	10.0	10.0	ND	104	117	61-146	12	19	
Toluene	**9.65**	**10.7**	10.0	10.0	ND	97	107	71-128	10	19	
(trans) 1,3-Dichloropropene	**10.6**	**11.7**	10.0	10.0	ND	106	117	70-136	10	18	
1,1,2-Trichloroethane	**10.2**	**11.1**	10.0	10.0	ND	102	111	68-146	8	16	
Tetrachloroethene	**9.50**	**10.3**	10.0	10.0	ND	95	103	78-132	8	22	
2-Hexanone	**9.32**	**10.1**	10.0	10.0	ND	93	101	57-154	8	25	
Dibromochloromethane	**10.2**	**11.0**	10.0	10.0	ND	102	110	51-160	8	27	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
MATRIX SPIKES											
Laboratory ID:	05-101-01										
	MS	MSD	MS	MSD		MS	MSD				
1,2-Dibromoethane	**10.4**	**11.6**	10.0	10.0	ND	104	116	74-133	11	16	
Chlorobenzene	**9.93**	**10.8**	10.0	10.0	ND	99	108	83-121	8	16	
1,1,1,2-Tetrachloroethane	**10.4**	**11.5**	10.0	10.0	ND	104	115	82-129	10	17	
Ethylbenzene	**9.57**	**10.4**	10.0	10.0	ND	96	104	84-123	8	17	
m,p-Xylene	**18.8**	**20.4**	20.0	20.0	ND	94	102	82-125	8	17	
o-Xylene	**9.81**	**10.6**	10.0	10.0	ND	98	106	83-123	8	17	
Styrene	**10.0**	**10.9**	10.0	10.0	ND	100	109	83-128	9	19	
Bromoform	**10.6**	**11.6**	10.0	10.0	ND	106	116	69-135	9	18	
1,1,2,2-Tetrachloroethane	**9.92**	**11.0**	10.0	10.0	ND	99	110	75-138	10	17	
1,2,3-Trichloropropane	**10.1**	**10.9**	10.0	10.0	ND	101	109	64-131	8	18	
1,4-Dichlorobenzene	**9.32**	**10.2**	10.0	10.0	ND	93	102	79-127	9	15	
1,2-Dichlorobenzene	**9.67**	**10.7**	10.0	10.0	ND	97	107	80-130	10	16	
1,2-Dibromo-3-chloropropane	**9.56**	**10.8**	10.0	10.0	ND	96	108	68-139	12	19	
Naphthalene	**10.0**	**11.7**	10.0	10.0	ND	100	117	67-142	16	23	
Surrogate:											
Dibromofluoromethane						*110*	*112*	*68-133*			
Toluene-d8						*107*	*108*	*79-123*			
4-Bromofluorobenzene						*102*	*102*	*78-117*			

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

GASOLINE RANGE ORGANICS
NWTPH-Gx

Matrix: Water
Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	05-101-01					
Gasoline	**ND**	100	NWTPH-Gx	5-15-25	5-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*68*	*62-122*				
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Gasoline	**ND**	100	NWTPH-Gx	5-15-25	5-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*77*	*62-122*				
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Gasoline	**ND**	100	NWTPH-Gx	5-15-25	5-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*77*	*62-122*				
Client ID:	**Trip Blanks**					
Laboratory ID:	05-101-08					
Gasoline	**ND**	100	NWTPH-Gx	5-15-25	5-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*82*	*62-122*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	MB0515W3					
Gasoline	**ND**	100	NWTPH-Gx	5-15-25	5-15-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*72*	*62-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-101-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*68*	*73*	*62-122*			
MATRIX SPIKES											
Laboratory ID:	05-101-01										
	MS	MSD	MS	MSD		MS	MSD				
Gasoline	**4620**	**5310**	5000	5000	ND	**92**	**106**	75-125	14	15	
Surrogate:											
Fluorobenzene						*93*	*90*	*62-122*			

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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**					
Laboratory ID:	05-101-01					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	5-13-25	5-13-25	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	5-13-25	5-13-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	5-13-25	5-13-25	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	5-13-25	5-13-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*101*	*50-150*				
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	5-13-25	5-13-25	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	5-13-25	5-13-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	MB0513W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	5-13-25	5-13-25	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	5-13-25	5-13-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*114*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-101-01										
	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						*110*	*104*	*50-150*			
MATRIX SPIKES											
Laboratory ID:	05-101-01										
	MS	MSD	MS	MSD		MS	MSD				
Diesel Range	**0.435**	**0.452**	0.500	0.500	**ND**	**87**	**90**	54-123	4	40	
Surrogate:											
o-Terphenyl						*98*	*107*	*50-150*			

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

TOTAL ALKALINITY
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	05-101-01					
Total Alkalinity	**110**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Total Alkalinity	**88**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Total Alkalinity	**100**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-7D**					
Laboratory ID:	05-101-04					
Total Alkalinity	**100**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-8D**					
Laboratory ID:	05-101-05					
Total Alkalinity	**94**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-9D**					
Laboratory ID:	05-101-06					
Total Alkalinity	**90**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-10D**					
Laboratory ID:	05-101-07					
Total Alkalinity	**100**	2.0	SM 2320B	5-9-25	5-9-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	MB0509W1					
Total Alkalinity	**ND**	2.0	SM 2320B	5-9-25	5-9-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-101-01										
	ORIG	DUP									
Total Alkalinity	**108**	**108**	NA		NA	NA		NA	0	10	
MATRIX SPIKES											
Laboratory ID:	05-101-01										
	MS	MSD	MS	MSD		MS	MSD				
Total Alkalinity	**194**	**194**	100	100	108	86	86	80-120	0	20	
SPIKE BLANK											
Laboratory ID:	SB0509W1										
	SB		SB			SB					
Total Alkalinity	**100**		100		NA	100		81-104	NA	NA	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

BICARBONATE
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	05-101-01					
Bicarbonate	**110**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Bicarbonate	**88**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Bicarbonate	**100**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-7D**					
Laboratory ID:	05-101-04					
Bicarbonate	**100**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-8D**					
Laboratory ID:	05-101-05					
Bicarbonate	**94**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-9D**					
Laboratory ID:	05-101-06					
Bicarbonate	**90**	2.0	SM 2320B	5-9-25	5-9-25	
Client ID:	**MW-10D**					
Laboratory ID:	05-101-07					
Bicarbonate	**100**	2.0	SM 2320B	5-9-25	5-9-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

BICARBONATE
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0509W1					
Bicarbonate	**ND**	2.0	SM 2320B	5-9-25	5-9-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-101-01										
	ORIG	DUP									
Bicarbonate	**108**	**108**	NA		NA	NA		NA	0	10	
MATRIX SPIKES											
Laboratory ID:	05-101-01										
	MS	MSD	MS	MSD		MS	MSD				
Bicarbonate	**194**	**194**	100	100	108	86	86	80-120	0	20	
SPIKE BLANK											
Laboratory ID:	SB0509W1										
	SB		SB			SB					
Bicarbonate	**100**		100		NA	100		81-104	NA	NA	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

TOTAL DISSOLVED SOLIDS
SM 2540C

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	05-101-01					
Total Dissolved Solids	**240**	13	SM 2540C	5-12-25	5-12-25	
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Total Dissolved Solids	**360**	13	SM 2540C	5-12-25	5-12-25	
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Total Dissolved Solids	**250**	13	SM 2540C	5-12-25	5-12-25	
Client ID:	**MW-7D**					
Laboratory ID:	05-101-04					
Total Dissolved Solids	**150**	13	SM 2540C	5-12-25	5-12-25	
Client ID:	**MW-8D**					
Laboratory ID:	05-101-05					
Total Dissolved Solids	**240**	13	SM 2540C	5-12-25	5-12-25	
Client ID:	**MW-9D**					
Laboratory ID:	05-101-06					
Total Dissolved Solids	**270**	13	SM 2540C	5-12-25	5-12-25	
Client ID:	**MW-10D**					
Laboratory ID:	05-101-07					
Total Dissolved Solids	**150**	13	SM 2540C	5-12-25	5-12-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	MB0512W1					
Total Dissolved Solids	**ND**	13	SM 2540C	5-12-25	5-12-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	05-101-01								
	ORIG	DUP							
Total Dissolved Solids	**241**	**245**	NA	NA	NA	NA	2	40	
SPIKE BLANK									
Laboratory ID:	SB0512W1								
	SB		SB		SB				
Total Dissolved Solids	**484**		500	NA	97	72-123	NA	NA	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

CHLORIDE
SM 4500-Cl E

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	05-101-01					
Chloride	**29**	2.0	SM 4500-Cl E	5-9-25	5-9-25	
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Chloride	**65**	2.0	SM 4500-Cl E	5-9-25	5-9-25	
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Chloride	**30**	2.0	SM 4500-Cl E	5-9-25	5-9-25	
Client ID:	**MW-7D**					
Laboratory ID:	05-101-04					
Chloride	**2.7**	2.0	SM 4500-Cl E	5-9-25	5-9-25	
Client ID:	**MW-8D**					
Laboratory ID:	05-101-05					
Chloride	**15**	2.0	SM 4500-Cl E	5-9-25	5-9-25	
Client ID:	**MW-9D**					
Laboratory ID:	05-101-06					
Chloride	**40**	2.0	SM 4500-Cl E	5-9-25	5-9-25	
Client ID:	**MW-10D**					
Laboratory ID:	05-101-07					
Chloride	**3.6**	2.0	SM 4500-Cl E	5-9-25	5-9-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	MB0509W1					
Chloride	**ND**	2.0	SM 4500-Cl E	5-9-25	5-9-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-101-01										
	ORIG	DUP									
Chloride	**29.3**	**30.1**	NA		NA	NA		NA	3	15	
MATRIX SPIKES											
Laboratory ID:	05-101-01										
	MS	MSD	MS	MSD		MS	MSD				
Chloride	**82.2**	**80.0**	50.0	50.0	29.3	106	101	79-131	3	20	
SPIKE BLANK											
Laboratory ID:	SB0509W1										
	SB		SB			SB					
Chloride	**50.8**		50.0		NA	102		82-123	NA	NA	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

SULFATE
ASTM D516-11

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	05-101-01					
Sulfate	**83**	25	ASTM D516-16	5-9-25	5-9-25	
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Sulfate	**60**	20	ASTM D516-16	5-9-25	5-9-25	
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Sulfate	**83**	20	ASTM D516-16	5-9-25	5-9-25	
Client ID:	**MW-7D**					
Laboratory ID:	05-101-04					
Sulfate	**ND**	5.0	ASTM D516-16	5-9-25	5-9-25	
Client ID:	**MW-8D**					
Laboratory ID:	05-101-05					
Sulfate	**54**	20	ASTM D516-16	5-9-25	5-9-25	
Client ID:	**MW-9D**					
Laboratory ID:	05-101-06					
Sulfate	**50**	20	ASTM D516-16	5-9-25	5-9-25	
Client ID:	**MW-10D**					
Laboratory ID:	05-101-07					
Sulfate	**11**	5.0	ASTM D516-16	5-9-25	5-9-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

SULFATE
ASTM D516-11
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0509W1					
Sulfate	**ND**	5.0	ASTM D516-16	5-9-25	5-9-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-101-01										
	ORIG	DUP									
Sulfate	**83.4**	**84.2**	NA		NA	NA		NA	1	11	
MATRIX SPIKES											
Laboratory ID:	05-101-01										
	MS	MSD	MS	MSD		MS	MSD				
Sulfate	**180**	**186**	100	100	83.4	97	103	70-131	3	20	
SPIKE BLANK											
Laboratory ID:	SB0509W1										
	SB		SB			SB					
Sulfate	**8.83**		10.0		NA	88		83-113	NA	NA	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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**					
Laboratory ID:	05-101-01					
Ammonia	**ND**	0.053	SM 4500-NH3 D	5-14-25	5-14-25	
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Ammonia	**ND**	0.053	SM 4500-NH3 D	5-14-25	5-14-25	
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Ammonia	**ND**	0.053	SM 4500-NH3 D	5-14-25	5-14-25	
Client ID:	**MW-7D**					
Laboratory ID:	05-101-04					
Ammonia	**ND**	0.053	SM 4500-NH3 D	5-14-25	5-14-25	
Client ID:	**MW-8D**					
Laboratory ID:	05-101-05					
Ammonia	**ND**	0.053	SM 4500-NH3 D	5-14-25	5-14-25	
Client ID:	**MW-9D**					
Laboratory ID:	05-101-06					
Ammonia	**ND**	0.053	SM 4500-NH3 D	5-14-25	5-14-25	
Client ID:	**MW-10D**					
Laboratory ID:	05-101-07					
Ammonia	**ND**	0.053	SM 4500-NH3 D	5-14-25	5-14-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	MB0514W1					
Ammonia	**ND**	0.053	SM 4500-NH3 D	5-14-25	5-14-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-101-01										
	ORIG	DUP									
Ammonia	**ND**	**ND**	NA		NA	NA		NA	NA	21	
MATRIX SPIKES											
Laboratory ID:	05-101-01										
	MS	MSD	MS	MSD		MS	MSD				
Ammonia	**5.32**	**5.38**	5.00	5.00	ND	106	108	76-114	1	20	
SPIKE BLANK											
Laboratory ID:	SB0514W1										
	SB		SB			SB					
Ammonia	**5.01**		5.00		NA	100		81-110	NA	NA	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

TOTAL ORGANIC CARBON
SM 5310B

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	05-101-01					
Total Organic Carbon	**1.7**	1.0	SM 5310B	5-20-25	5-20-25	
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Total Organic Carbon	**3.3**	1.0	SM 5310B	5-20-25	5-20-25	
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Total Organic Carbon	**1.8**	1.0	SM 5310B	5-20-25	5-20-25	
Client ID:	**MW-7D**					
Laboratory ID:	05-101-04					
Total Organic Carbon	**ND**	1.0	SM 5310B	5-20-25	5-20-25	
Client ID:	**MW-8D**					
Laboratory ID:	05-101-05					
Total Organic Carbon	**ND**	1.0	SM 5310B	5-20-25	5-20-25	
Client ID:	**MW-9D**					
Laboratory ID:	05-101-06					
Total Organic Carbon	**2.0**	1.0	SM 5310B	5-20-25	5-20-25	
Client ID:	**MW-10D**					
Laboratory ID:	05-101-07					
Total Organic Carbon	**ND**	1.0	SM 5310B	5-20-25	5-20-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	MB0520W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	5-20-25	5-20-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	05-101-01										
	ORIG	DUP									
Total Organic Carbon	**1.67**	**1.66**	NA		NA	NA		NA	1	10	
MATRIX SPIKES											
Laboratory ID:	05-101-01										
	MS	MSD	MS	MSD		MS	MSD				
Total Organic Carbon	**11.3**	**11.9**	10.0	10.0	1.67	96	102	70-136	5	20	
SPIKE BLANK											
Laboratory ID:	SB0520W1										
	SB		SB			SB					
Total Organic Carbon	**11.0**		10.0		NA	110		83-130	NA	NA	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

DISSOLVED METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	05-101-01					
Calcium	**30**	1.1	EPA 6010D		5-15-25	
Iron	**0.15**	0.056	EPA 6010D		5-15-25	
Magnesium	**20**	1.1	EPA 6010D		5-15-25	
Manganese	**0.039**	0.011	EPA 6010D		5-15-25	
Potassium	**3.4**	1.1	EPA 6010D		5-15-25	
Sodium	**18**	1.1	EPA 6010D		5-15-25	
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Calcium	**46**	1.1	EPA 6010D		5-15-25	
Iron	**ND**	0.056	EPA 6010D		5-15-25	
Magnesium	**32**	1.1	EPA 6010D		5-15-25	
Manganese	**ND**	0.011	EPA 6010D		5-15-25	
Potassium	**4.4**	1.1	EPA 6010D		5-15-25	
Sodium	**16**	1.1	EPA 6010D		5-15-25	
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Calcium	**30**	1.1	EPA 6010D		5-15-25	
Iron	**0.15**	0.056	EPA 6010D		5-15-25	
Magnesium	**20**	1.1	EPA 6010D		5-15-25	
Manganese	**0.038**	0.011	EPA 6010D		5-15-25	
Potassium	**3.3**	1.1	EPA 6010D		5-15-25	
Sodium	**18**	1.1	EPA 6010D		5-15-25	
Client ID:	**MW-7D**					
Laboratory ID:	05-101-04					
Calcium	**14**	1.1	EPA 6010D		5-15-25	
Iron	**0.17**	0.056	EPA 6010D		5-15-25	
Magnesium	**11**	1.1	EPA 6010D		5-15-25	
Manganese	**0.031**	0.011	EPA 6010D		5-15-25	
Potassium	**2.7**	1.1	EPA 6010D		5-15-25	
Sodium	**11**	1.1	EPA 6010D		5-15-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	05-101-05					
Calcium	**26**	1.1	EPA 6010D		5-15-25	
Iron	**ND**	0.056	EPA 6010D		5-15-25	
Magnesium	**18**	1.1	EPA 6010D		5-15-25	
Manganese	**ND**	0.011	EPA 6010D		5-15-25	
Potassium	**3.0**	1.1	EPA 6010D		5-15-25	
Sodium	**18**	1.1	EPA 6010D		5-15-25	
Client ID:	**MW-9D**					
Laboratory ID:	05-101-06					
Calcium	**30**	1.1	EPA 6010D		5-15-25	
Iron	**0.33**	0.056	EPA 6010D		5-15-25	
Magnesium	**19**	1.1	EPA 6010D		5-15-25	
Manganese	**0.18**	0.011	EPA 6010D		5-15-25	
Potassium	**2.2**	1.1	EPA 6010D		5-15-25	
Sodium	**22**	1.1	EPA 6010D		5-15-25	
Client ID:	**MW-10D**					
Laboratory ID:	05-101-07					
Calcium	**19**	1.1	EPA 6010D		5-15-25	
Iron	**ND**	0.056	EPA 6010D		5-15-25	
Magnesium	**11**	1.1	EPA 6010D		5-15-25	
Manganese	**ND**	0.011	EPA 6010D		5-15-25	
Potassium	**2.6**	1.1	EPA 6010D		5-15-25	
Sodium	**13**	1.1	EPA 6010D		5-15-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	MB0509F1					
Calcium	**ND**	1.1	EPA 6010D	5-9-25	5-15-25	
Iron	**ND**	0.056	EPA 6010D	5-9-25	5-15-25	
Magnesium	**ND**	1.1	EPA 6010D	5-9-25	5-15-25	
Manganese	**ND**	0.011	EPA 6010D	5-9-25	5-15-25	
Potassium	**ND**	1.1	EPA 6010D	5-9-25	5-15-25	
Sodium	**ND**	1.1	EPA 6010D	5-9-25	5-15-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	05-101-01									
	ORIG	DUP								
Calcium	**30.3**	**31.0**	NA	NA		NA	NA	2	20	
Iron	**0.145**	**0.150**	NA	NA		NA	NA	3	20	
Magnesium	**20.1**	**20.6**	NA	NA		NA	NA	3	20	
Manganese	**0.0391**	**0.0398**	NA	NA		NA	NA	2	20	
Potassium	**3.36**	**3.39**	NA	NA		NA	NA	1	20	
Sodium	**17.6**	**18.0**	NA	NA		NA	NA	2	20	

MATRIX SPIKES										
Laboratory ID:	05-101-01									
	MS	MSD	MS	MSD		MS	MSD			
Calcium	**54.2**	**53.6**	22.2	22.2	30.3	**108**	**105**	75-125	1	20
Iron	**24.6**	**24.4**	22.2	22.2	0.145	**110**	**109**	75-125	1	20
Magnesium	**43.9**	**43.8**	22.2	22.2	20.1	**107**	**107**	75-125	0	20
Manganese	**0.580**	**0.575**	0.556	0.556	0.0391	**97**	**96**	75-125	1	20
Potassium	**27.4**	**27.3**	22.2	22.2	3.36	**108**	**108**	75-125	0	20
Sodium	**40.9**	**40.9**	22.2	22.2	17.6	**105**	**105**	75-125	0	20

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

TOTAL METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	05-101-01					
Iron	**0.25**	0.050	EPA 6010D	5-15-25	5-15-25	
Magnesium	**21**	1.0	EPA 6010D	5-15-25	5-15-25	
Manganese	**0.039**	0.010	EPA 6010D	5-15-25	5-15-25	
Client ID:	**MW-6S**					
Laboratory ID:	05-101-02					
Iron	**ND**	0.050	EPA 6010D	5-15-25	5-15-25	
Magnesium	**32**	1.0	EPA 6010D	5-15-25	5-15-25	
Manganese	**ND**	0.010	EPA 6010D	5-15-25	5-15-25	
Client ID:	**MW-13S**					
Laboratory ID:	05-101-03					
Iron	**0.25**	0.050	EPA 6010D	5-15-25	5-15-25	
Magnesium	**19**	1.0	EPA 6010D	5-15-25	5-15-25	
Manganese	**0.035**	0.010	EPA 6010D	5-15-25	5-15-25	
Client ID:	**MW-7D**					
Laboratory ID:	05-101-04					
Iron	**0.20**	0.050	EPA 6010D	5-15-25	5-15-25	
Magnesium	**9.8**	1.0	EPA 6010D	5-15-25	5-15-25	
Manganese	**0.030**	0.010	EPA 6010D	5-15-25	5-15-25	
Client ID:	**MW-8D**					
Laboratory ID:	05-101-05					
Iron	**0.33**	0.050	EPA 6010D	5-15-25	5-15-25	
Magnesium	**18**	1.0	EPA 6010D	5-15-25	5-15-25	
Manganese	**0.020**	0.010	EPA 6010D	5-15-25	5-15-25	
Client ID:	**MW-9D**					
Laboratory ID:	05-101-06					
Iron	**0.63**	0.050	EPA 6010D	5-15-25	5-15-25	
Magnesium	**18**	1.0	EPA 6010D	5-15-25	5-15-25	
Manganese	**0.18**	0.010	EPA 6010D	5-15-25	5-15-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

TOTAL METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	05-101-07					
Iron	**ND**	0.050	EPA 6010D	5-15-25	5-15-25	
Magnesium	**12**	1.0	EPA 6010D	5-15-25	5-15-25	
Manganese	**ND**	0.010	EPA 6010D	5-15-25	5-15-25	

Date of Report: May 23, 2025
Samples Submitted: May 8, 2025
Laboratory Reference: 2505-101
Project: 553-8472-009

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:	MB0515WH1					
Iron	**ND**	0.050	EPA 6010D	5-15-25	5-15-25	
Magnesium	**ND**	1.0	EPA 6010D	5-15-25	5-15-25	
Manganese	**ND**	0.010	EPA 6010D	5-15-25	5-15-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	05-101-01									
	ORIG	DUP								
Iron	**0.247**	**0.252**	NA	NA		NA	NA	2	20	
Magnesium	**20.8**	**20.8**	NA	NA		NA	NA	0	20	
Manganese	**0.0390**	**0.0392**	NA	NA		NA	NA	0	20	
MATRIX SPIKES										
Laboratory ID:	05-101-01									
	MS	MSD	MS	MSD		MS	MSD			
Iron	**20.8**	**20.6**	20.0	20.0	0.247	**103**	**102**	75-125	1	20
Magnesium	**39.6**	**39.3**	20.0	20.0	20.8	**94**	**92**	75-125	1	20
Manganese	**0.518**	**0.514**	0.500	0.500	0.0390	**96**	**95**	75-125	1	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

ANATEK LABS

Analytical Results Report For:

OnSite Environmental, Inc.

Project:

Parametrix DTG Yakima

Anatek Work Order:

YFE0356

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:	YFE0356
Address:	14648 NE. 95th St.	Project:	Parametrix DTG Yakima
	Redmond, WA 98052	Reported:	5/8/2025 22:37
Attn:	David Baumeister		

Analytical Results Report

Sample Location:	MW-5S		
Lab/Sample Number:	YFE0356-01	Collect Date:	05/07/25 10:00
Date Received:	05/08/25 10:43	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.0240	mg/L	0.200	5/8/25 16:40	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:	YFE0356-02	Collect Date:	05/07/25 15:25
Date Received:	05/08/25 10:43	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	11.8	mg/L	0.200	5/8/25 16:40	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:	YFE0356-03	Collect Date:	05/07/25 08:00
Date Received:	05/08/25 10:43	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.0380	mg/L	0.200	5/8/25 16:40	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-7D		
Lab/Sample Number:	YFE0356-04	Collect Date:	05/07/25 13:06
Date Received:	05/08/25 10:43	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.0350	mg/L	0.200	5/8/25 16:40	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:	YFE0356-05	Collect Date:	05/07/25 14:25
Date Received:	05/08/25 10:43	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	1.60	mg/L	0.200	5/8/25 16:40	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-9D		
Lab/Sample Number:	YFE0356-06	Collect Date:	05/07/25 16:55
Date Received:	05/08/25 10:43	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.0510	mg/L	0.200	5/8/25 16:40	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-10D		
Lab/Sample Number:	YFE0356-07	Collect Date:	05/08/25 08:20
Date Received:	05/08/25 10:43	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	1.48	mg/L	0.200	5/8/25 16:40	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:	MS/MSD MW-5S		
Lab/Sample Number:	YFE0356-08	Collect Date:	05/07/25 10:00
Date Received:	05/08/25 10:43	Collected By:	Sally Nguyen
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.0460	mg/L	0.200	5/8/25 16:40	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

A
1282 Alturas Dri
504 E Sprague Ste

YFE0356

Due: 05/22/25

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:
Email Address(es): dbaumeister@onsite-env.com	

X Normal __Next Day* __2nd Day* __Other*_____ __Phone __Email

*All rush order requests must have prior approval

Lab ID	Sample Identification	Sampling Date/Time	Matrix	# of Containers	Sample Volume	Preservative: Nitrate
	MW-5S	5/7/25 1000	Water	1		x
	MW-6S	1525	Water	1		x
	MW-13S	0800	Water	1		x
	MW-7D	1306	Water	1		x
	MW-8D	1425	Water	1		x
	MW-9D	1655	Water	1		x
	MW-10D	5/8/25 0820	Water	1		x

List Analyses Requested

Note Special Instructions/Comments

Extra MS/MSD volume at MW-5S

7 P500

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): 0.5/0.7

Number of Containers: 7

Shipped Via: Hand

Preservative:

Date & Time: 5/8/25 10:45

Inspected By: AS

	Printed Name	Signature	Company	Date	Time
Relinquished by	Scotty Nopmen		Parametrix	5/8/25	1043
Received by	Connor Stubblefield		Anatek	5/8/25	10:43
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
Project Number: 553-8472-009
Project Name: DTG Yakima LPL
Project Manager: Laura Lee, Mike Brady
Sampled by:

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: 05-101

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	Alkalinity, Bicarbonate, TDS	Chloride, Sulfate	Ammonia	TOC	Dissolved Metals (Fe, Mn, Mg, Ca, K, Na)	Total Metals (Fe, Mn, Mg)	Nitrate*		MS/MSD										% Moisture
1	MW-5S	5/7	1000	Water	24 (2 SV)	X	X	X	X	X	X	X	X	X	X		X									
2	MW-6S		1525	Water	13	X	X	X	X	X	X	X	X	X	X											
3	MW-13S		0800	Water	13	X	X	X	X	X	X	X	X	X	X											
4	MW-7D		1306	Water	9	X			X	X	X	X	X	X	X											
5	MW-8D		1425	Water	9	X			X	X	X	X	X	X	X											
6	MW-9D		1655	Water	9	X			X	X	X	X	X	X	X											
7	MW-10D	5/8	0820	Water	9	X			X	X	X	X	X	X	X											
8	Trip Blanks	5/7	—	Water	5 (2 SV)	X	X																			

	Signature	Company	Date	Time
Relinquished		Parametrix	5/8/2025	12:04
Received		OSE	5/8/25	12:04
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions
*Nitrate subbed to Anatek
Additional MS/MSD volumes taken @ MW-5S

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 27, 2025

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

Re: Analytical Data for Project 553-8472-009
Laboratory Reference No. 2506-262

Dear Laura:

Enclosed are the analytical results and associated quality control data for samples submitted on June 19, 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 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

Case Narrative

Samples were collected on June 17, 18 and 19, 2025 and received by the laboratory on June 19, 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 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-01					
Total Alkalinity	**82**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-3S**					
Laboratory ID:	06-262-02					
Total Alkalinity	**100**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-4S**					
Laboratory ID:	06-262-03					
Total Alkalinity	**180**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-5S**					
Laboratory ID:	06-262-04					
Total Alkalinity	**110**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-6S**					
Laboratory ID:	06-262-05					
Total Alkalinity	**88**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-13S**					
Laboratory ID:	06-262-06					
Total Alkalinity	**96**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-7D**					
Laboratory ID:	06-262-07					
Total Alkalinity	**98**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-8D**					
Laboratory ID:	06-262-08					
Total Alkalinity	**92**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-9D**					
Laboratory ID:	06-262-09					
Total Alkalinity	**88**	2.0	SM 2320B	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-10					
Total Alkalinity	**98**	2.0	SM 2320B	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	MB0623W1					
Total Alkalinity	**ND**	2.0	SM 2320B	6-23-25	6-23-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-262-02										
	ORIG	DUP									
Total Alkalinity	**100**	**100**	NA		NA	NA		NA	0	10	
MATRIX SPIKES											
Laboratory ID:	06-262-02										
	MS	MSD	MS	MSD		MS	MSD				
Total Alkalinity	**184**	**184**	100	100	100	84	84	80-120	0	20	
SPIKE BLANK											
Laboratory ID:	SB0623W1										
	SB		SB			SB					
Total Alkalinity	**98.0**		100		NA	98		81-104	NA	NA	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

BICARBONATE
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	06-262-01					
Bicarbonate	**82**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-3S**					
Laboratory ID:	06-262-02					
Bicarbonate	**100**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-4S**					
Laboratory ID:	06-262-03					
Bicarbonate	**180**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-5S**					
Laboratory ID:	06-262-04					
Bicarbonate	**110**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-6S**					
Laboratory ID:	06-262-05					
Bicarbonate	**88**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-13S**					
Laboratory ID:	06-262-06					
Bicarbonate	**96**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-7D**					
Laboratory ID:	06-262-07					
Bicarbonate	**98**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-8D**					
Laboratory ID:	06-262-08					
Bicarbonate	**92**	2.0	SM 2320B	6-23-25	6-23-25	
Client ID:	**MW-9D**					
Laboratory ID:	06-262-09					
Bicarbonate	**88**	2.0	SM 2320B	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

BICARBONATE
SM 2320B

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	06-262-10					
Bicarbonate	**98**	2.0	SM 2320B	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

BICARBONATE
SM 2320B
QUALITY CONTROL

Matrix: Water
Units: mg CaCO3/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0623W1					
Bicarbonate	**ND**	2.0	SM 2320B	6-23-25	6-23-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-262-02										
	ORIG	DUP									
Bicarbonate	**100**	**100**	NA		NA	NA		NA	0	10	
MATRIX SPIKES											
Laboratory ID:	06-262-02										
	MS	MSD	MS	MSD		MS	MSD				
Bicarbonate	**184**	**184**	100	100	100	84	84	80-120	0	20	
SPIKE BLANK											
Laboratory ID:	SB0623W1										
	SB		SB			SB					
Bicarbonate	**98.0**		100		NA	98		81-104	NA	NA	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-01					
Total Dissolved Solids	**140**	13	SM 2540C	6-23-25	6-23-25	
Client ID:	**MW-3S**					
Laboratory ID:	06-262-02					
Total Dissolved Solids	**420**	13	SM 2540C	6-23-25	6-23-25	
Client ID:	**MW-4S**					
Laboratory ID:	06-262-03					
Total Dissolved Solids	**720**	13	SM 2540C	6-23-25	6-23-25	
Client ID:	**MW-5S**					
Laboratory ID:	06-262-04					
Total Dissolved Solids	**230**	13	SM 2540C	6-23-25	6-23-25	
Client ID:	**MW-6S**					
Laboratory ID:	06-262-05					
Total Dissolved Solids	**330**	13	SM 2540C	6-23-25	6-23-25	
Client ID:	**MW-13S**					
Laboratory ID:	06-262-06					
Total Dissolved Solids	**400**	13	SM 2540C	6-23-25	6-23-25	
Client ID:	**MW-7D**					
Laboratory ID:	06-262-07					
Total Dissolved Solids	**130**	13	SM 2540C	6-23-25	6-23-25	
Client ID:	**MW-8D**					
Laboratory ID:	06-262-08					
Total Dissolved Solids	**220**	13	SM 2540C	6-23-25	6-23-25	
Client ID:	**MW-9D**					
Laboratory ID:	06-262-09					
Total Dissolved Solids	**270**	13	SM 2540C	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-10					
Total Dissolved Solids	**160**	13	SM 2540C	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	MB0623W1					
Total Dissolved Solids	**ND**	13	SM 2540C	6-23-25	6-23-25	

Analyte	Result		Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE									
Laboratory ID:	06-262-02								
	ORIG	DUP							
Total Dissolved Solids	**424**	**413**	NA	NA	NA	NA	3	40	
SPIKE BLANK									
Laboratory ID:	SB0623W1								
	SB		SB		SB				
Total Dissolved Solids	**476**		500	NA	95	72-123	NA	NA	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-01					
Chloride	**2.9**	2.0	SM 4500-Cl E	6-23-25	6-23-25	
Client ID:	**MW-3S**					
Laboratory ID:	06-262-02					
Chloride	**67**	2.0	SM 4500-Cl E	6-23-25	6-23-25	
Client ID:	**MW-4S**					
Laboratory ID:	06-262-03					
Chloride	**51**	2.0	SM 4500-Cl E	6-23-25	6-23-25	
Client ID:	**MW-5S**					
Laboratory ID:	06-262-04					
Chloride	**19**	2.0	SM 4500-Cl E	6-23-25	6-23-25	
Client ID:	**MW-6S**					
Laboratory ID:	06-262-05					
Chloride	**61**	2.0	SM 4500-Cl E	6-23-25	6-23-25	
Client ID:	**MW-13S**					
Laboratory ID:	06-262-06					
Chloride	**69**	2.0	SM 4500-Cl E	6-23-25	6-23-25	
Client ID:	**MW-7D**					
Laboratory ID:	06-262-07					
Chloride	**2.6**	2.0	SM 4500-Cl E	6-23-25	6-23-25	
Client ID:	**MW-8D**					
Laboratory ID:	06-262-08					
Chloride	**13**	2.0	SM 4500-Cl E	6-23-25	6-23-25	
Client ID:	**MW-9D**					
Laboratory ID:	06-262-09					
Chloride	**41**	2.0	SM 4500-Cl E	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-10					
Chloride	**4.0**	2.0	SM 4500-Cl E	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	MB0623W1					
Chloride	**ND**	2.0	SM 4500-Cl E	6-23-25	6-23-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-262-02										
	ORIG	DUP									
Chloride	**67.1**	**69.0**	NA		NA	NA		NA	3	15	
MATRIX SPIKES											
Laboratory ID:	06-262-02										
	MS	MSD	MS	MSD		MS	MSD				
Chloride	**169**	**169**	100	100	67.1	102	102	79-131	0	20	
SPIKE BLANK											
Laboratory ID:	SB										
	SB		SB			SB					
Chloride	**49.2**		50.0		NA	98		82-123	NA	NA	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

SULFATE
ASTM D516-16

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	06-262-01					
Sulfate	**6.3**	5.0	ASTM D516-16	6-25-25	6-25-25	
Client ID:	**MW-3S**					
Laboratory ID:	06-262-02					
Sulfate	**99**	50	ASTM D516-16	6-25-25	6-25-25	
Client ID:	**MW-4S**					
Laboratory ID:	06-262-03					
Sulfate	**160**	50	ASTM D516-16	6-25-25	6-25-25	
Client ID:	**MW-5S**					
Laboratory ID:	06-262-04					
Sulfate	**68**	20	ASTM D516-16	6-25-25	6-25-25	
Client ID:	**MW-6S**					
Laboratory ID:	06-262-05					
Sulfate	**59**	20	ASTM D516-16	6-25-25	6-25-25	
Client ID:	**MW-13S**					
Laboratory ID:	06-262-06					
Sulfate	**80**	25	ASTM D516-16	6-25-25	6-25-25	
Client ID:	**MW-7D**					
Laboratory ID:	06-262-07					
Sulfate	**ND**	5.0	ASTM D516-16	6-25-25	6-25-25	
Client ID:	**MW-8D**					
Laboratory ID:	06-262-08					
Sulfate	**58**	20	ASTM D516-16	6-25-25	6-25-25	
Client ID:	**MW-9D**					
Laboratory ID:	06-262-09					
Sulfate	**57**	20	ASTM D516-16	6-25-25	6-25-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

SULFATE
ASTM D516-16

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	06-262-10					
Sulfate	**13**	5.0	ASTM D516-16	6-25-25	6-25-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

SULFATE
ASTM D516-16
QUALITY CONTROL

Matrix: Water
Units: mg/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0625W1					
Sulfate	**ND**	5.0	ASTM D516-16	6-25-25	6-25-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-262-02										
	ORIG	DUP									
Sulfate	**98.7**	**96.2**	NA		NA	NA		NA	3	11	
MATRIX SPIKES											
Laboratory ID:	06-262-02										
	MS	MSD	MS	MSD		MS	MSD				
Sulfate	**190**	**189**	100.0	100.0	98.7	91	90	70-131	1	20	
SPIKE BLANK											
Laboratory ID:	SB0625W1										
	SB		SB			SB					
Sulfate	**8.85**		10.0		NA	89		83-113	NA	NA	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-01					
Ammonia	**ND**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	
Client ID:	**MW-3S**					
Laboratory ID:	06-262-02					
Ammonia	**ND**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	
Client ID:	**MW-4S**					
Laboratory ID:	06-262-03					
Ammonia	**ND**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	
Client ID:	**MW-5S**					
Laboratory ID:	06-262-04					
Ammonia	**ND**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	
Client ID:	**MW-6S**					
Laboratory ID:	06-262-05					
Ammonia	**ND**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	
Client ID:	**MW-13S**					
Laboratory ID:	06-262-06					
Ammonia	**ND**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	
Client ID:	**MW-7D**					
Laboratory ID:	06-262-07					
Ammonia	**ND**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	
Client ID:	**MW-8D**					
Laboratory ID:	06-262-08					
Ammonia	**ND**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	
Client ID:	**MW-9D**					
Laboratory ID:	06-262-09					
Ammonia	**0.090**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-10					
Ammonia	**ND**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	MB0624W1					
Ammonia	**ND**	0.053	SM 4500-NH3 D	6-24-25	6-24-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-262-02										
	ORIG	DUP									
Ammonia	**ND**	**ND**	NA		NA	NA		NA	NA	21	
MATRIX SPIKES											
Laboratory ID:	06-262-02										
	MS	MSD	MS	MSD		MS	MSD				
Ammonia	**4.60**	**4.80**	5.00	5.00	ND	92	96	76-114	4	20	
SPIKE BLANK											
Laboratory ID:	SB0624W1										
	SB		SB			SB					
Ammonia	**4.88**		5.00		NA	98		81-110	NA	NA	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-01					
Total Organic Carbon	**ND**	1.0	SM 5310B	6-24-25	6-24-25	
Client ID:	**MW-3S**					
Laboratory ID:	06-262-02					
Total Organic Carbon	**3.2**	1.0	SM 5310B	6-24-25	6-24-25	
Client ID:	**MW-4S**					
Laboratory ID:	06-262-03					
Total Organic Carbon	**5.2**	1.0	SM 5310B	6-24-25	6-24-25	
Client ID:	**MW-5S**					
Laboratory ID:	06-262-04					
Total Organic Carbon	**ND**	1.0	SM 5310B	6-24-25	6-24-25	
Client ID:	**MW-6S**					
Laboratory ID:	06-262-05					
Total Organic Carbon	**3.1**	1.0	SM 5310B	6-24-25	6-24-25	
Client ID:	**MW-13S**					
Laboratory ID:	06-262-06					
Total Organic Carbon	**3.1**	1.0	SM 5310B	6-24-25	6-24-25	
Client ID:	**MW-7D**					
Laboratory ID:	06-262-07					
Total Organic Carbon	**ND**	1.0	SM 5310B	6-24-25	6-24-25	
Client ID:	**MW-8D**					
Laboratory ID:	06-262-08					
Total Organic Carbon	**ND**	1.0	SM 5310B	6-24-25	6-24-25	
Client ID:	**MW-9D**					
Laboratory ID:	06-262-09					
Total Organic Carbon	**2.9**	1.0	SM 5310B	6-24-25	6-24-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-10					
Total Organic Carbon	**ND**	1.0	SM 5310B	6-24-25	6-24-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	MB0624W1					
Total Organic Carbon	**ND**	1.0	SM 5310B	6-24-25	6-24-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-262-02										
	ORIG	DUP									
Total Organic Carbon	**3.16**	**3.12**	NA		NA	NA		NA	1	10	
MATRIX SPIKES											
Laboratory ID:	06-262-02										
	MS	MSD	MS	MSD		MS	MSD				
Total Organic Carbon	**14.4**	**14.5**	10.0	10.0	3.16	112	113	70-136	1	20	
SPIKE BLANK											
Laboratory ID:	SB0624W1										
	SB		SB			SB					
Total Organic Carbon	**10.2**		10.0		NA	102		83-130	NA	NA	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

DISSOLVED METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	06-262-01					
Calcium	**13**	1.1	EPA 6010D		6-24-25	
Iron	**ND**	0.056	EPA 6010D		6-24-25	
Magnesium	**9.3**	1.1	EPA 6010D		6-24-25	
Manganese	**ND**	0.011	EPA 6010D		6-24-25	
Potassium	**3.2**	1.1	EPA 6010D		6-24-25	
Sodium	**10**	1.1	EPA 6010D		6-24-25	
Client ID:	**MW-3S**					
Laboratory ID:	06-262-02					
Calcium	**50**	1.1	EPA 6010D		6-24-25	
Iron	**0.088**	0.056	EPA 6010D		6-24-25	
Magnesium	**37**	1.1	EPA 6010D		6-24-25	
Manganese	**ND**	0.011	EPA 6010D		6-24-25	
Potassium	**4.8**	1.1	EPA 6010D		6-24-25	
Sodium	**20**	1.1	EPA 6010D		6-24-25	
Client ID:	**MW-4S**					
Laboratory ID:	06-262-03					
Calcium	**110**	10	EPA 6010D		6-24-25	
Iron	**ND**	0.056	EPA 6010D		6-24-25	
Magnesium	**78**	10	EPA 6010D		6-24-25	
Manganese	**ND**	0.011	EPA 6010D		6-24-25	
Potassium	**7.4**	1.1	EPA 6010D		6-24-25	
Sodium	**24**	1.1	EPA 6010D		6-24-25	
Client ID:	**MW-5S**					
Laboratory ID:	06-262-04					
Calcium	**30**	1.1	EPA 6010D		6-24-25	
Iron	**0.21**	0.056	EPA 6010D		6-24-25	
Magnesium	**20**	1.1	EPA 6010D		6-24-25	
Manganese	**0.042**	0.011	EPA 6010D		6-24-25	
Potassium	**3.6**	1.1	EPA 6010D		6-24-25	
Sodium	**19**	1.1	EPA 6010D		6-24-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

DISSOLVED METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-6S**					
Laboratory ID:	06-262-05					
Calcium	**44**	1.1	EPA 6010D		6-24-25	
Iron	**ND**	0.056	EPA 6010D		6-24-25	
Magnesium	**31**	1.1	EPA 6010D		6-24-25	
Manganese	**ND**	0.011	EPA 6010D		6-24-25	
Potassium	**4.5**	1.1	EPA 6010D		6-24-25	
Sodium	**18**	1.1	EPA 6010D		6-24-25	
Client ID:	**MW-13S**					
Laboratory ID:	06-262-06					
Calcium	**50**	1.1	EPA 6010D		6-24-25	
Iron	**ND**	0.056	EPA 6010D		6-24-25	
Magnesium	**37**	1.1	EPA 6010D		6-24-25	
Manganese	**ND**	0.011	EPA 6010D		6-24-25	
Potassium	**4.8**	1.1	EPA 6010D		6-24-25	
Sodium	**20**	1.1	EPA 6010D		6-24-25	
Client ID:	**MW-7D**					
Laboratory ID:	06-262-07					
Calcium	**15**	1.1	EPA 6010D		6-24-25	
Iron	**0.10**	0.056	EPA 6010D		6-24-25	
Magnesium	**11**	1.1	EPA 6010D		6-24-25	
Manganese	**0.034**	0.011	EPA 6010D		6-24-25	
Potassium	**2.9**	1.1	EPA 6010D		6-24-25	
Sodium	**12**	1.1	EPA 6010D		6-24-25	
Client ID:	**MW-8D**					
Laboratory ID:	06-262-08					
Calcium	**26**	1.1	EPA 6010D		6-24-25	
Iron	**ND**	0.056	EPA 6010D		6-24-25	
Magnesium	**19**	1.1	EPA 6010D		6-24-25	
Manganese	**0.023**	0.011	EPA 6010D		6-24-25	
Potassium	**3.2**	1.1	EPA 6010D		6-24-25	
Sodium	**20**	1.1	EPA 6010D		6-24-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-09					
Calcium	**31**	1.1	EPA 6010D		6-24-25	
Iron	**0.16**	0.056	EPA 6010D		6-24-25	
Magnesium	**20**	1.1	EPA 6010D		6-24-25	
Manganese	**0.16**	0.011	EPA 6010D		6-24-25	
Potassium	**2.7**	1.1	EPA 6010D		6-24-25	
Sodium	**27**	1.1	EPA 6010D		6-24-25	
Client ID:	**MW-10D**					
Laboratory ID:	06-262-10					
Calcium	**20**	1.1	EPA 6010D		6-24-25	
Iron	**ND**	0.056	EPA 6010D		6-27-25	
Magnesium	**12**	1.1	EPA 6010D		6-24-25	
Manganese	**ND**	0.011	EPA 6010D		6-24-25	
Potassium	**2.8**	1.1	EPA 6010D		6-24-25	
Sodium	**13**	1.1	EPA 6010D		6-24-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	MB0624D1					
Calcium	**ND**	1.1	EPA 6010D		6-24-25	
Iron	**ND**	0.056	EPA 6010D		6-24-25	
Magnesium	**ND**	1.1	EPA 6010D		6-24-25	
Manganese	**ND**	0.011	EPA 6010D		6-24-25	
Potassium	**ND**	1.1	EPA 6010D		6-24-25	
Sodium	**ND**	1.1	EPA 6010D		6-24-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	06-262-02									
	ORIG	DUP								
Calcium	**50.1**	**51.4**	NA	NA		NA	NA	2	20	
Iron	**0.0881**	**ND**	NA	NA		NA	NA	NA	20	
Magnesium	**36.9**	**37.3**	NA	NA		NA	NA	1	20	
Manganese	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Potassium	**4.81**	**4.90**	NA	NA		NA	NA	2	20	
Sodium	**20.4**	**20.6**	NA	NA		NA	NA	1	20	

MATRIX SPIKES										
Laboratory ID:	06-262-02									
	MS	MSD	MS	MSD		MS	MSD			
Calcium	**85.2**	**85.1**	40.0	40.0	50.1	**88**	**88**	75-125	0	20
Iron	**24.3**	**25.0**	22.2	22.2	0.0881	**109**	**112**	75-125	3	20
Magnesium	**59.6**	**60.7**	22.2	22.2	36.9	**103**	**107**	75-125	2	20
Manganese	**0.606**	**0.617**	0.556	0.556	ND	**109**	**111**	75-125	2	20
Potassium	**29.3**	**30.0**	22.2	22.2	4.81	**110**	**113**	75-125	2	20
Sodium	**44.1**	**45.0**	22.2	22.2	20.4	**107**	**111**	75-125	2	20

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

TOTAL METALS
EPA 6010D

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	06-262-01					
Iron	**ND**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**9.2**	1.0	EPA 6010D	6-24-25	6-24-25	
Manganese	**ND**	0.010	EPA 6010D	6-24-25	6-24-25	
Client ID:	**MW-3S**					
Laboratory ID:	06-262-02					
Iron	**ND**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**37**	1.0	EPA 6010D	6-24-25	6-24-25	
Manganese	**ND**	0.010	EPA 6010D	6-24-25	6-24-25	
Client ID:	**MW-4S**					
Laboratory ID:	06-262-03					
Iron	**ND**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**78**	10	EPA 6010D	6-24-25	6-24-25	
Manganese	**ND**	0.010	EPA 6010D	6-24-25	6-24-25	
Client ID:	**MW-5S**					
Laboratory ID:	06-262-04					
Iron	**0.18**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**20**	1.0	EPA 6010D	6-24-25	6-24-25	
Manganese	**0.039**	0.010	EPA 6010D	6-24-25	6-24-25	
Client ID:	**MW-6S**					
Laboratory ID:	06-262-05					
Iron	**ND**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**32**	1.0	EPA 6010D	6-24-25	6-24-25	
Manganese	**ND**	0.010	EPA 6010D	6-24-25	6-24-25	
Client ID:	**MW-13S**					
Laboratory ID:	06-262-06					
Iron	**ND**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**37**	1.0	EPA 6010D	6-24-25	6-24-25	
Manganese	**ND**	0.010	EPA 6010D	6-24-25	6-24-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	06-262-07					
Iron	**0.11**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**11**	1.0	EPA 6010D	6-24-25	6-24-25	
Manganese	**0.032**	0.010	EPA 6010D	6-24-25	6-24-25	
Client ID:	**MW-8D**					
Laboratory ID:	06-262-08					
Iron	**0.20**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**17**	1.0	EPA 6010D	6-24-25	6-24-25	
Manganese	**0.025**	0.010	EPA 6010D	6-24-25	6-24-25	
Client ID:	**MW-9D**					
Laboratory ID:	06-262-09					
Iron	**0.47**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**19**	1.0	EPA 6010D	6-24-25	6-24-25	
Manganese	**0.15**	0.010	EPA 6010D	6-24-25	6-24-25	
Client ID:	**MW-10D**					
Laboratory ID:	06-262-10					
Iron	**ND**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**12**	1.0	EPA 6010D	6-24-25	6-24-25	
Manganese	**ND**	0.010	EPA 6010D	6-24-25	6-24-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-262
Project: 553-8472-009

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:	MB0624WH1					
Iron	**ND**	0.050	EPA 6010D	6-24-25	6-24-25	
Magnesium	**ND**	1.0	EPA 6010D	6-24-25	6-24-25	
Manganese	**ND**	0.010	EPA 6010D	6-24-25	6-24-25	

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	06-262-02									
	ORIG	DUP								
Iron	**ND**	**ND**	NA	NA		NA	NA	NA	20	
Magnesium	**37.4**	**36.3**	NA	NA		NA	NA	3	20	
Manganese	**ND**	**ND**	NA	NA		NA	NA	NA	20	
MATRIX SPIKES										
Laboratory ID:	06-262-02									
	MS	MSD	MS	MSD		MS	MSD			
Iron	**20.1**	**20.5**	20.0	20.0	ND	**100**	**103**	75-125	2	20
Magnesium	**54.8**	**57.3**	20.0	20.0	37.4	**87**	**100**	75-125	4	20
Manganese	**0.524**	**0.533**	0.500	0.500	ND	**105**	**107**	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

Page 1 of 1

Company: Parametrix
Project Number: 553-8472-009
Project Name: Rocky Top Environmental LPL
Project Manager: Laura Lee, Mike Brady
Sampled by: Hines & 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: 06-262

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Alkalinity, Bicarbonate, TDS	Chloride, Sulfate	Ammonia	TOC	Dissolved Metals (Fe, Mn, Mg, Ca, K, Na)	Total Metals (Fe, Mn, Mg)			MS/MSD												% Moisture
1	MW-2S	6/17	1524	Water	6	X	X	X	X	X	X															
2	MW-3S	6/18	1310	Water	8	X	X	X	X	X	X			X												
3	MW-4S	6/18	1040	Water	6	X	X	X	X	X	X															
4	MW-5S	6/17	1145	Water	6	X	X	X	X	X	X															
5	MW-6S	6/18	1125	Water	6	X	X	X	X	X	X															
6	MW-13S	6/18	800	Water	6	X	X	X	X	X	X															
7	MW-7D	6/17	1356	Water	6	X	X	X	X	X	X															
8	MW-8D	6/18	852	Water	6	X	X	X	X	X	X															
9	MW-9D	6/18	1450	Water	6	X	X	X	X	X	X															
10	MW-10D	6/19	810	Water	6	X	X	X	X	X	X															

	Signature	Company	Date	Time
Relinquished		Parametrix	6/19/25	1533
Received	Aidan Prell	OSE	6/19/25	1533
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Additional MS/MSD volumes taken @ MW-3S

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 27, 2025

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

Re: Analytical Data for Project 553-8472-009
Laboratory Reference No. 2506-263

Dear Laura:

Enclosed are the analytical results and associated quality control data for samples submitted on June 19, 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 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

Case Narrative

Samples were collected on June 17, 18 and 19, 2025 and received by the laboratory on June 19, 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 Methylene Chloride is outside the control limits in the Spike Blank and 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: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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:	06-263-01					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-2S**					
Laboratory ID:	06-263-01					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*68-133*				
Toluene-d8	*105*	*79-123*				
4-Bromofluorobenzene	*97*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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:	06-263-02					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-3S**					
Laboratory ID:	06-263-02					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*99*	*68-133*				
Toluene-d8	*104*	*79-123*				
4-Bromofluorobenzene	*98*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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-4S**					
Laboratory ID:	06-263-03					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-4S**					
Laboratory ID:	06-263-03					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*68-133*				
Toluene-d8	*103*	*79-123*				
4-Bromofluorobenzene	*96*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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**					
Laboratory ID:	06-263-04					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-5S**					
Laboratory ID:	06-263-04					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*97*	*68-133*				
Toluene-d8	*104*	*79-123*				
4-Bromofluorobenzene	*96*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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-6S**					
Laboratory ID:	06-263-05					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-6S**					
Laboratory ID:	06-263-05					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*95*	*68-133*				
Toluene-d8	*103*	*79-123*				
4-Bromofluorobenzene	*96*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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-13S**					
Laboratory ID:	06-263-06					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-13S**					
Laboratory ID:	06-263-06					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*68-133*				
Toluene-d8	*103*	*79-123*				
4-Bromofluorobenzene	*94*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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**					
Laboratory ID:	06-263-07					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-7D**					
Laboratory ID:	06-263-07					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*68-133*				
Toluene-d8	*101*	*79-123*				
4-Bromofluorobenzene	*95*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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-8D**					
Laboratory ID:	06-263-08					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-8D**					
Laboratory ID:	06-263-08					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*68-133*				
Toluene-d8	*101*	*79-123*				
4-Bromofluorobenzene	*95*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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:	06-263-09					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-9D**					
Laboratory ID:	06-263-09					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*68-133*				
Toluene-d8	*101*	*79-123*				
4-Bromofluorobenzene	*94*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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-10D**					
Laboratory ID:	06-263-10					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**MW-10D**					
Laboratory ID:	06-263-10					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*68-133*				
Toluene-d8	*99*	*79-123*				
4-Bromofluorobenzene	*94*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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:	**Trip Blanks**					
Laboratory ID:	06-263-11					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

VOLATILE ORGANICS EPA 8260D/SIM
page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**Trip Blanks**					
Laboratory ID:	06-263-11					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*92*	*68-133*				
Toluene-d8	*100*	*79-123*				
4-Bromofluorobenzene	*93*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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:	MB0623W1					
Chloromethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Bromomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Chloroethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acetone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Iodomethane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Carbon Disulfide	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Acrylonitrile	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Methylene Chloride	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Vinyl Acetate	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Butanone	ND	5.0	EPA 8260D	6-23-25	6-23-25	
Bromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Chloroform	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Benzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Trichloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Dibromomethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromodichloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260D	6-23-25	6-23-25	
Toluene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Tetrachloroethene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
2-Hexanone	ND	2.0	EPA 8260D	6-23-25	6-23-25	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0623W1					
Dibromochloromethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromoethane (SIM)	ND	0.020	EPA 8260D/SIM	6-23-25	6-23-25	
Chlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Ethylbenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
m,p-Xylene	ND	0.40	EPA 8260D	6-23-25	6-23-25	
o-Xylene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Styrene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
Bromoform	ND	1.0	EPA 8260D	6-23-25	6-23-25	
(trans) 1,4-Dichloro-2-butene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	6-23-25	6-23-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Naphthalene	ND	1.0	EPA 8260D	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*100*	*68-133*				
Toluene-d8	*107*	*79-123*				
4-Bromofluorobenzene	*99*	*78-117*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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:	SB0623W1									
	SB	SBD	SB	SBD	SB	SBD				
Chloromethane	**8.62**	**8.30**	10.0	10.0	86	83	38-141	4	31	
Vinyl Chloride	**9.65**	**9.27**	10.0	10.0	97	93	67-131	4	16	
Bromomethane	**9.74**	**9.52**	10.0	10.0	97	95	30-155	2	34	
Chloroethane	**11.0**	**10.6**	10.0	10.0	110	106	63-130	4	18	
Trichlorofluoromethane	**9.96**	**9.88**	10.0	10.0	100	99	80-131	1	17	
1,1-Dichloroethene	**11.3**	**10.9**	10.0	10.0	113	109	77-125	4	15	
Acetone	**10.8**	**8.79**	10.0	10.0	108	88	45-135	21	24	
Iodomethane	**8.25**	**8.64**	10.0	10.0	83	86	27-146	5	33	
Carbon Disulfide	**10.0**	**10.0**	10.0	10.0	100	100	41-150	0	19	
Methylene Chloride	**13.0**	**13.6**	10.0	10.0	130	136	66-123	5	15	I,I
(trans) 1,2-Dichloroethene	**11.5**	**11.3**	10.0	10.0	115	113	76-126	2	15	
1,1-Dichloroethane	**11.4**	**11.1**	10.0	10.0	114	111	75-126	3	15	
Vinyl Acetate	**10.4**	**10.9**	10.0	10.0	104	109	57-139	5	15	
(cis) 1,2-Dichloroethene	**11.6**	**11.4**	10.0	10.0	116	114	77-129	2	15	
2-Butanone	**10.6**	**10.6**	10.0	10.0	106	106	62-129	0	17	
Bromochloromethane	**11.1**	**10.8**	10.0	10.0	111	108	72-129	3	19	
Chloroform	**11.6**	**11.1**	10.0	10.0	116	111	72-125	4	15	
1,1,1-Trichloroethane	**11.3**	**11.0**	10.0	10.0	113	110	79-127	3	15	
Carbon Tetrachloride	**11.2**	**11.0**	10.0	10.0	112	110	78-131	2	15	
Benzene	**11.2**	**10.8**	10.0	10.0	112	108	75-126	4	15	
1,2-Dichloroethane	**11.6**	**11.1**	10.0	10.0	116	111	74-128	4	15	
Trichloroethene	**12.2**	**11.8**	10.0	10.0	122	118	80-130	3	15	
1,2-Dichloropropane	**11.7**	**11.1**	10.0	10.0	117	111	80-124	5	15	
Dibromomethane	**11.7**	**11.3**	10.0	10.0	117	113	80-131	3	15	
Bromodichloromethane	**11.8**	**11.5**	10.0	10.0	118	115	81-131	3	15	
(cis) 1,3-Dichloropropene	**11.8**	**11.7**	10.0	10.0	118	117	74-136	1	15	
Methyl Isobutyl Ketone	**10.7**	**10.9**	10.0	10.0	107	109	67-132	2	15	
Toluene	**11.2**	**10.9**	10.0	10.0	112	109	75-127	3	15	
(trans) 1,3-Dichloropropene	**10.5**	**10.6**	10.0	10.0	105	106	69-137	1	15	
1,1,2-Trichloroethane	**10.5**	**10.0**	10.0	10.0	105	100	80-122	5	15	
Tetrachloroethene	**10.5**	**10.3**	10.0	10.0	105	103	80-130	2	20	
2-Hexanone	**9.08**	**9.49**	10.0	10.0	91	95	67-130	4	19	
Dibromochloromethane	**11.0**	**10.9**	10.0	10.0	110	109	58-149	1	32	

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0623W1									
	SB	SBD	SB	SBD	SB	SBD				
1,2-Dibromoethane	**10.5**	**10.3**	10.0	10.0	105	103	82-127	2	15	
Chlorobenzene	**10.5**	**10.3**	10.0	10.0	105	103	80-120	2	15	
1,1,1,2-Tetrachloroethane	**10.7**	**10.4**	10.0	10.0	107	104	80-127	3	15	
Ethylbenzene	**10.7**	**10.5**	10.0	10.0	107	105	80-124	2	15	
m,p-Xylene	**21.1**	**20.7**	20.0	20.0	106	104	80-124	2	15	
o-Xylene	**10.7**	**10.6**	10.0	10.0	107	106	80-123	1	15	
Styrene	**10.9**	**10.6**	10.0	10.0	109	106	82-125	3	15	
Bromoform	**9.82**	**9.78**	10.0	10.0	98	98	66-136	0	15	
1,1,2,2-Tetrachloroethane	**9.93**	**9.35**	10.0	10.0	99	94	78-124	6	15	
1,2,3-Trichloropropane	**9.37**	**9.38**	10.0	10.0	94	94	67-123	0	15	
1,4-Dichlorobenzene	**9.92**	**9.93**	10.0	10.0	99	99	78-123	0	15	
1,2-Dichlorobenzene	**10.2**	**10.0**	10.0	10.0	102	100	79-125	2	15	
1,2-Dibromo-3-chloropropane	**10.0**	**9.42**	10.0	10.0	100	94	62-133	6	17	
Naphthalene	**8.39**	**8.57**	10.0	10.0	84	86	55-132	2	23	
Surrogate:										
Dibromofluoromethane					*104*	*107*	*68-133*			
Toluene-d8					*111*	*112*	*79-123*			
4-Bromofluorobenzene					*109*	*109*	*78-117*			

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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:	06-263-01					
Gasoline	**ND**	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*62-122*				
Client ID:	**MW-3S**					
Laboratory ID:	06-263-02					
Gasoline	**ND**	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*62-122*				
Client ID:	**MW-4S**					
Laboratory ID:	06-263-03					
Gasoline	**ND**	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*62-122*				
Client ID:	**MW-5S**					
Laboratory ID:	06-263-04					
Gasoline	**ND**	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*103*	*62-122*				
Client ID:	**MW-6S**					
Laboratory ID:	06-263-05					
Gasoline	**ND**	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*62-122*				
Client ID:	**MW-13S**					
Laboratory ID:	06-263-06					
Gasoline	**ND**	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*62-122*				
Client ID:	**Trip Blanks**					
Laboratory ID:	06-263-11					
Gasoline	**ND**	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*108*	*62-122*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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:	MB0624W2					
Gasoline	**ND**	100	NWTPH-Gx	6-24-25	6-24-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
Fluorobenzene	*105*	*62-122*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	06-263-01										
	ORIG	DUP									
Gasoline	**ND**	**ND**	NA	NA		NA		NA	NA	30	
Surrogate:											
Fluorobenzene						*105*	*98*	*62-122*			

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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:	06-263-01					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*124*	*50-150*				
Client ID:	**MW-3S**					
Laboratory ID:	06-263-02					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*121*	*50-150*				
Client ID:	**MW-4S**					
Laboratory ID:	06-263-03					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*114*	*50-150*				
Client ID:	**MW-5S**					
Laboratory ID:	06-263-04					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*95*	*50-150*				
Client ID:	**MW-6S**					
Laboratory ID:	06-263-05					
Diesel Range Organics	**ND**	0.20	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	**ND**	0.20	NWTPH-Dx	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*110*	*50-150*				
Client ID:	**MW-13S**					
Laboratory ID:	06-263-06					
Diesel Range Organics	**ND**	0.21	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	**ND**	0.21	NWTPH-Dx	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*112*	*50-150*				

Date of Report: June 27, 2025
Samples Submitted: June 19, 2025
Laboratory Reference: 2506-263
Project: 553-8472-009

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:	MB0623W1					
Diesel Range Organics	**ND**	0.16	NWTPH-Dx	6-23-25	6-23-25	
Lube Oil Range Organics	**ND**	0.16	NWTPH-Dx	6-23-25	6-23-25	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*109*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	06-251-20									
	ORIG	DUP								
Diesel Range Organics	**0.210**	**0.188**	NA	NA		NA	NA	11	40	
Lube Oil Range Organics	**0.255**	**0.267**	NA	NA		NA	NA	5	40	
Surrogate:										
o-Terphenyl						*118*	*114*	*50-150*		

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:

YFF0490

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:	YFF0490
Address:	14648 NE. 95th St.	Project:	Parametrix DTG Yakima
	Redmond, WA 98052	Reported:	6/19/2025 13:58
Attn:	David Baumeister		

Analytical Results Report

Sample Location:	MW-2S		
Lab/Sample Number:	YFF0490-01	Collect Date:	06/17/25 15:24
Date Received:	06/17/25 16:20	Collected By:	Brianna Hines
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	0.686	mg/L	0.200	6/19/25 8:53	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-5S		
Lab/Sample Number:	YFF0490-02	Collect Date:	06/17/25 11:45
Date Received:	06/17/25 16:20	Collected By:	Brianna Hines
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	ND	mg/L	0.200	6/19/25 8:53	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-7D		
Lab/Sample Number:	YFF0490-03	Collect Date:	06/17/25 13:56
Date Received:	06/17/25 16:20	Collected By:	Brianna Hines
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	ND	mg/L	0.200	6/19/25 8:53	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, 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

Quality Control Data

Inorganics

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BFF0912 - Y Hach Vial										
Blank (BFF0912-BLK1)					Prepared: 06/19/25 08:38- Analyzed: 06/19/25 08:53					
Nitrate as N	ND		0.200	mg/L						
LCS (BFF0912-BS1)					Prepared: 06/19/25 08:38- Analyzed: 06/19/25 08:53					
Nitrate as N	5.05		0.200	mg/L	5.00		101	90-110		
Matrix Spike (BFF0912-MS1)		**Source: YFF0490-03**			Prepared: 06/19/25 08:38- Analyzed: 06/19/25 08:53					
Nitrate as N	4.94		0.400	mg/L	5.00	ND	98.8	80-120		
Matrix Spike Dup (BFF0912-MSD1)		**Source: YFF0490-03**			Prepared: 06/19/25 08:38- Analyzed: 06/19/25 08:53					
Nitrate as N	5.12		0.400	mg/L	5.00	ND	102	80-120	3.58	20

ANATEK LABS

Chain of Custody Record

Ana
1282 Alturas Drive,
504 E Sprague Ste D,

YFF0490

Due: 07/02/25

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:
Email Address(es): dbaumeister@onsite-env.com	

Ple

www.anateklabs.com/pricing-lists

X Normal __Phone
__Next Day* __Email
__2nd Day*
__Other*_____

*All rush order requests must have prior approval

List Analyses Requested

Lab ID	Sample Identification	Sampling Date/Time	Matrix	Preservative: # of Containers	Preservative: Sample Volume	Nitrate
	MW-2S	6/17/25/ 1524	Water	1		x
	~~MW-3S~~		Water	2		x
	~~MW-4S~~		Water	1		x
	MW-5S	6/17/25/1145	Water	1		x
	~~MW-6S~~		Water	1		x
	~~MW-13S~~		Water	1		x
	MW-7D	6/17/25/1356	Water	1		x
	~~MW-8D~~		Water	1		x
	~~MW-9D~~		Water	1		x
	MW-10D		Water	1		x

Note Special Instructions/Comments

Extra MS/MSD volume @ MW-3S

Client Cont x 3

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): 2.0-D/2.2-C Digital

Number of Containers: 3

Shipped Via: hand

Preservative:

Date & Time: 6/17/25 1620

Inspected By: AA

	Printed Name	Signature	Company	Date	Time
Relinquished by	Brianna Hines		Parametrix	6/17/25	1619
Received by	Ashley Anderson		Anatek	6/17/25	1620
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.

ANATEK LABS

Analytical Results Report For:

OnSite Environmental, Inc.

Project:

Parametrix DTG Yakima

Anatek Work Order:

YFF0508

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:	YFF0508
Address:	14648 NE. 95th St.	Project:	Parametrix DTG Yakima
	Redmond, WA 98052	Reported:	6/25/2025 09:23
Attn:	David Baumeister		

Analytical Results Report

Sample Location:	MW-3S		
Lab/Sample Number:	YFF0508-01	Collect Date:	06/18/25 13:10
Date Received:	06/19/25 10:31	Collected By:	Brianna Hines
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	12.0	mg/L	0.200	6/20/25 8:56	GIS	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-4S		
Lab/Sample Number:	YFF0508-02	Collect Date:	06/18/25 10:40
Date Received:	06/19/25 10:31	Collected By:	Brianna Hines
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	78.2	mg/L	0.200	6/20/25 8:56	GIS	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:	YFF0508-03	Collect Date:	06/18/25 11:25
Date Received:	06/19/25 10:31	Collected By:	Brianna Hines
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	11.8	mg/L	0.200	6/20/25 8:56	GIS	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:	YFF0508-04	Collect Date:	06/18/25 08:00
Date Received:	06/19/25 10:31	Collected By:	Brianna Hines
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	12.1	mg/L	0.200	6/20/25 8:00	GIS	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:	YFF0508-05	Collect Date:	06/18/25 08:52
Date Received:	06/19/25 10:31	Collected By:	Brianna Hines
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	1.58	mg/L	0.200	6/20/25 8:46	GIS	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-9D		
Lab/Sample Number:	YFF0508-06	Collect Date:	06/18/25 14:50
Date Received:	06/19/25 10:31	Collected By:	Brianna Hines
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	1.64	mg/L	0.200	6/20/25 8:56	GIS	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

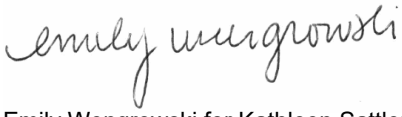
Sample Location:	MW-10D		
Lab/Sample Number:	YFF0508-07	Collect Date:	06/19/25 08:10
Date Received:	06/19/25 10:31	Collected By:	Brianna Hines
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Inorganics							
Nitrate/N	1.64	mg/L	0.200	6/20/25 8:56	GIS	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, 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

Quality Control Data

Inorganics

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BFF1020 - Y Hach Vial										
Blank (BFF1020-BLK1)					Prepared: 06/20/25 08:41- Analyzed: 06/20/25 08:56					
Nitrate as N	ND		0.200	mg/L						
LCS (BFF1020-BS1)					Prepared: 06/20/25 08:41- Analyzed: 06/20/25 08:56					
Nitrate as N	5.18		0.200	mg/L	5.00		104	90-110		
Matrix Spike (BFF1020-MS1)		**Source: YFF0508-01**			Prepared: 06/20/25 08:41- Analyzed: 06/20/25 08:56					
Nitrate as N	16.9		0.400	mg/L	5.00	12.0	98.0	80-120		
Matrix Spike Dup (BFF1020-MSD1)		**Source: YFF0508-01**			Prepared: 06/20/25 08:41- Analyzed: 06/20/25 08:56					
Nitrate as N	16.8		0.400	mg/L	5.00	12.0	96.4	80-120	0.474	20

ANATEK LABS

Chain of Custody Record

1282 Alturas Dr
504 E Sprague St

YFF0508

Due: 07/03/25

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:
Email Address(es): dbaumeister@onsite-env.com	

www.anateklabs.com/pricing-lists

X Normal
__Next Day*
__2nd Day*
__Other*_____

__Phone
__Email

*All rush order requests must have prior approval

Lab ID	Sample Identification	Sampling Date/Time	Matrix	# of Containers	Sample Volume	Preservative: Nitrate
	~~MW-2S~~		Water	~~1~~		X
	MW-3S	6/18/25 1310	Water	2		X
	MW-4S	6/18 1040	Water	1		X
	~~MW-5S~~		Water	~~1~~		X
	MW-6S	6/18 1125	Water	1		X
	MW-13S	6/18 0800	Water	1		X
	~~MW-7D~~		Water	~~1~~		~~X~~
	MW-8D	6/18 0552	Water	1		X
	MW-9D	6/18 1450	Water	1		X
	~~MW-10D~~		Water	~~1~~		X
	MW-10D	6/19 0810	Water	1		X

List Analyses Requested

Note Special Instructions/Comments

Extra MS/MSD volume @ MW-3S

Client Cont x 7

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): 0.5-0 / 0.7-C Dig16

Number of Containers: 7

Shipped Via: hand

Preservative: _____

Date & Time: 6/19/25 1031

Inspected By: AA

	Printed Name	Signature	Company	Date	Time
Relinquished by	Brianna Hines		Parametrix	6/19	10:30
Received by	Ashley Anderson	AAnderson	Anatek	6/19/25	1031
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

Laboratory Number: 06-263

Company: Parametrix
Project Number: 553-8472-009
Project Name: Rocky Top Environmental LPL
Project Manager: Laura Lee, Mike Brady
Sampled by: Hines & Nguyen

Turnaround Request (in working days)

(Check One)

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

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	Nitrate	MS/MSD — No. 2	% Moisture
1	MW-2S	6/17	1524	Water	7	X	X	X	X		
2	MW-3S	6/18	1310	Water	7 14	X	X	X	X	X	
3	MW-4S	6/18	1040	Water	7	X	X	X	X		
4	MW-5S	6/17	1145	Water	7	X	X	X	X		
5	MW-6S	6/18	1125	Water	7	X	X	X	X		
6	MW-13S	6/18	0800	Water	7	X	X	X	X		
7	MW-7D	6/17	1356	Water	3	X			X		
8	MW-8D	6/18	852	Water	3	X			X		
9	MW-9D	6/18	1450	Water	3	X			X		
10	MW-10D	6/19	810	Water	3	X			X		

	Signature	Company	Date	Time
Relinquished		Parametrix	6/19/25	1533
Received	Jordan Pell	OSE	6/19/25	1533
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Additional MS/MSD volumes taken @ MW-3S

Nitrates subbed to local lab (Anatek, Yakima)

Chromatograms with final report ☐

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

Chain of Custody

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

Laboratory Number: 06-263

Company: Parametrix / DTG
Project Number: 553-8472-009
Project Name: Rocky Top Environmental LPL
Project Manager: Laura Lee, Mike Brady
Sampled by: Hines & Nguyen

Turnaround Request (in working days)

(Check One)

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

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	% Moisture
11	Trip Blanks	6/17	—	Water	6	X	X		

	Signature	Company	Date	Time
Relinquished		Parametrix	6/19/25	1533
Received		OSE	6/19/25	1533
Relinquished				
Received				
Relinquished				
Received				

Comments/Special Instructions

Reviewed/Date

Reviewed/Date

Chromatograms with final report ☐

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

Appendix C

Second Quarter 2025
Data Quality Evaluation

Parametrix
let's create tomorrow, together

Memorandum

DATE:	June 12, 2025
TO:	Project File
FROM:	Lisa Gilbert
SUBJECT:	Second Quarter 2025 (A) Data Quality Evaluation
CC:	Mike Brady
PROJECT NUMBER:	553-8472-009
PROJECT NAME:	DTG Yakima Limited Purpose Landfill

A data quality evaluation was conducted for the Second Quarter 2025 (A) sampling event at the DTG Yakima Limited Purpose Landfill (LPL). Samples were collected on May 7 and 8, by Parametrix under contract to DTG. The samples were analyzed by OnSite Environmental under one associated work order:

- Work Order 2505-101: (MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-5S DUP), Trip Blank).
- Nitrate samples were subcontracted to Anatek Labs under Work Order YFE0356.

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-5S.

Field Narrative

Groundwater sampling field data sheets were provided by Parametrix.

Laboratory Case Narrative

Samples collected on May 7 and 8, 2025 were received by the laboratory on May 8, 2025. They were maintained at the laboratory at a temperature of 2 to 6 degrees Celsius.

Work Order 2505-101

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 matrix spike and matrix spike duplicate recoveries and relative percent differences (RPDs) were within control limits.

Total Petroleum Hydrocarbons (NWTPH-Gx and Dx) – SA Wells Only

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.

The matrix spike and matrix spike duplicate recoveries and relative percent differences (RPDs) were within control limits.

Wet Chemistry (Total Alkalinity, Bicarbonate, TDS, Chloride, Sulfate, Ammonia, TOC).

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.

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.

Nitrate (Anatek: EPA Method Hach 10206)

No QC data were provided but the laboratory did not note any problems with quality control.

MS/MSD was analyzed as a sample, no spike added.

Field Duplicate Evaluation

Relative Percent Differences (RPDs) were calculated for the results of sample MW-5S 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

Second Quarter 2025 (A) Field Duplicate Relative Percent Difference Calculations

DTG Yakima LPL Field Duplicate Relative Percent Difference Calculations

553-8472-009

Second Quarter 2025 (A)

Sample Dates: May 7-8, 2025

Sample numbers: On-Site Environmental 2505-101: MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-5S DUP), Trip Blank

DUP MW-13S collected at MW-5S

Completed by: Lisa Gilbert 6/12/2025

Groundwater	sample	duplicate	avg	diff	RPD	=/<25%?	RL	w/in RL?
units = mg/L	MW-5S	MW-13S						
Iron, Total	0.25	0.25	0.25	0	0.0	y	0.050	
Magnesium, Total	21	19	20.00	2	10.0	y	1.0	
Manganese, Total	0.039	0.035	0.04	0.004	10.8	y	0.010	
Calcium, Dissolved	30	30	30.00	0	0.0	y	1.1	
Iron, Dissolved	0.15	0.15	0.15	0	0.0	y	0.056	
Magnesium, Dissolve	20	20	20.00	0	0.0	y	1.1	
Manganese, Dissolve	0.039	0.038	0.04	0.001	2.6	y	0.011	
Potassium, Dissolved	3.4	3.3	3.35	0.1	3.0	y	1.1	
Sodium, Dissolved	18	18	18.00	0	0.0	y	1.1	
Nitrate	0.0240	0.0380	0.03	-0.014	45.2	n	0.200	y
Chloride	29	30	29.50	-1	3.4	y	2.0	
Sulfate	83	83	83.00	0	0.0	y	25/20	
TDS	240	250	245.00	-10	4.1	y	13	
Alkalinity	110	100	105.00	10	9.5	y	2.0	
Bicarbonate	110	100	105.00	10	9.5	y	2.0	
Ammonia	<0.053	<0.053	n/a	n/a	n/a		0.053	y
TOC	1.7	1.8	1.75	-0.1	5.7	y	1.0	
TPH-Gasoline (ug/L)	<100	<100	n/a	n/a	n/a		100	y
TPH-Diesel	<0.21	<0.21	n/a	n/a	n/a		0.21	y
TPH-Oil	<0.21	<0.21	n/a	n/a	n/a		0.21	y

VOCs None detected

Comments: No data qualified.

Parametrix
let's create tomorrow, together

Memorandum

DATE:	July 8, 2025
TO:	Project File
FROM:	Chris Bourgeois
SUBJECT:	Second Quarter 2025 (B) Data Quality Evaluation
CC:	Mike Brady
PROJECT NUMBER:	553-8472-009
PROJECT NAME:	DTG Yakima Limited Purpose Landfill

A data quality evaluation was conducted for the Second Quarter 2025 (B) sampling event at the DTG Yakima Limited Purpose Landfill (LPL). Samples were collected on June 17, 18, and 19, by Parametrix under contract to DTG. The samples were analyzed by OnSite Environmental under two associated work orders:

- Work Order 2506-262: (MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP)).
    - Analytes: Wet Chemistry, Total and Dissolved Metals.
- Work Order 2506-263: (MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP)).
    - Analytes: VOCs and Total Petroleum Hydrocarbons (NWTPH-Gx and Dx), SA Wells Only); Nitrates.
    - Nitrates subcontracted to Anatek Labs under Work Orders: YFF0490 (MW-2S, MW-5S, MW-7D) and YFF0508 (MW-3S, MW-4S, MW-6S, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP)).

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-3S.

Field Narrative

Groundwater sampling field data sheets were provided by Parametrix.

Laboratory Case Narrative

Samples collected on June 17, 18, and 19, 2025 were received by the laboratory on June 19, 2025. They were maintained at the laboratory at a temperature of 2 to 6 degrees Celsius.

Work Order 2506-262

Wet Chemistry (Total Alkalinity, Bicarbonate, TDS, Chloride, Sulfate, Ammonia, TOC)

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.

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.

Work Order 2506-263

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 matrix spike and matrix spike duplicate recoveries and relative percent differences (RPDs) were within control limits.

The percent recovery for Methylene Chloride is outside the control limits in the Spike Blank (high; 130 outside the 66-123 limit) and Spike Blank Duplicate (136 outside the 66-123 limit). The lab flagged the analysis 'I,I" to reflect the percentage recovery values being outside of the control limits. 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; furthermore, Methylene Chloride was not detected in the samples, therefore the sample results were not qualified.

Total Petroleum Hydrocarbons (NWTPH-Gx and Dx) – SA Wells Only

No gasoline-range hydrocarbons 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 duplicate RPDs were within control limits.

Anatek Work Order YFF0490

Nitrate (Anatek: EPA Method Hach 10206)

The method blank(s) were clean at the reporting limits.

The percent recovery of the laboratory control sample was within control limits.

The matrix spike and matrix spike duplicate recoveries and relative percent differences (RPDs) were within control limits.

Anatek Work Order YFF05080

Nitrate (Anatek: EPA Method Hach 10206)

The method blank(s) were clean at the reporting limits.

The percent recovery of the laboratory control sample was within control limits.

The matrix spike and matrix spike duplicate recoveries and relative percent differences (RPDs) were within control limits.

Field Duplicate Evaluation

Relative Percent Differences (RPDs) were calculated for the results of sample MW-3S 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

Second Quarter 2025 (B) Field Duplicate Relative Percent Difference Calculations

DTG Yakima LPL Field Duplicate Relative Percent Difference Calculations

553-8472-009

Second Quarter 2025 (B)

Sample Dates: June 17-19, 2025

Sample analyses:
On-Site Environmental 2506-262 (Wet Chemistry, Total and Dissolved Metals): MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP)
On-Site Environmental 2506-263 (VOCs, TPH): MW-2S, MW-3S, MW-4S, MW-5S, MW-6S, MW-7D, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP), Trip Blank
Anatek Labs YFF0490 (Nitrates): MW-2S, MW-5S, MW-7D
Anatek Labs YFF0508 (Nitrates): MW-3S, MW-4S, MW-6S, MW-8D, MW-9D, MW-10D, MW-13S (MW-3S DUP)

DUP MW-13S collected at MW-3S

Completed by: Chris Bourgeois 7/8/2025

Groundwater	sample	duplicate	avg	diff	RPD	=/<25%?	RL	w/in RL?
units = mg/L	MW-3S	MW-13S						
Iron, Total	<0.050	<0.050	n/a	n/a	n/a		0.050	y
Magnesium, Total	37	37	37.00	0	0.0	y	1.0	
Manganese, Total	<0.010	<0.010	n/a	n/a	n/a		0.010	y
Calcium, Dissolved	50	50	50.00	0	0.0	y	1.1	
Iron, Dissolved	0.088	<0.056	0.09	n/a	n/a		0.056	y
Magnesium, Dissolve	37	37	37.00	0	0.0	y	1.1	
Manganese, Dissolve	<0.011	<0.011	n/a	n/a	n/a		0.011	y
Potassium, Dissolved	4.8	4.8	4.80	0	0.0	y	1.1	
Sodium, Dissolved	20	20	20.00	0	0.0	y	1.1	
Nitrate	12.0	12.1	12.05	-0.1	0.8	y	0.200	
Chloride	67	69	68.00	-2	2.9	y	2.0	
Sulfate	99	80	89.50	19	21.2	y	50/25	
TDS	420	400	410.00	20	4.9	y	13	
Alkalinity	100	96	98.00	4	4.1	y	2.0	
Bicarbonate	100	96	98.00	4	4.1	y	2.0	
Ammonia	<0.053	<0.053	n/a	n/a	n/a		0.053	y
TOC	3.2	3.1	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	<0.21	<0.21	n/a	n/a	n/a		0.21	y
TPH-Oil	<0.21	<0.21	n/a	n/a	n/a		0.21	y

VOCs None detected

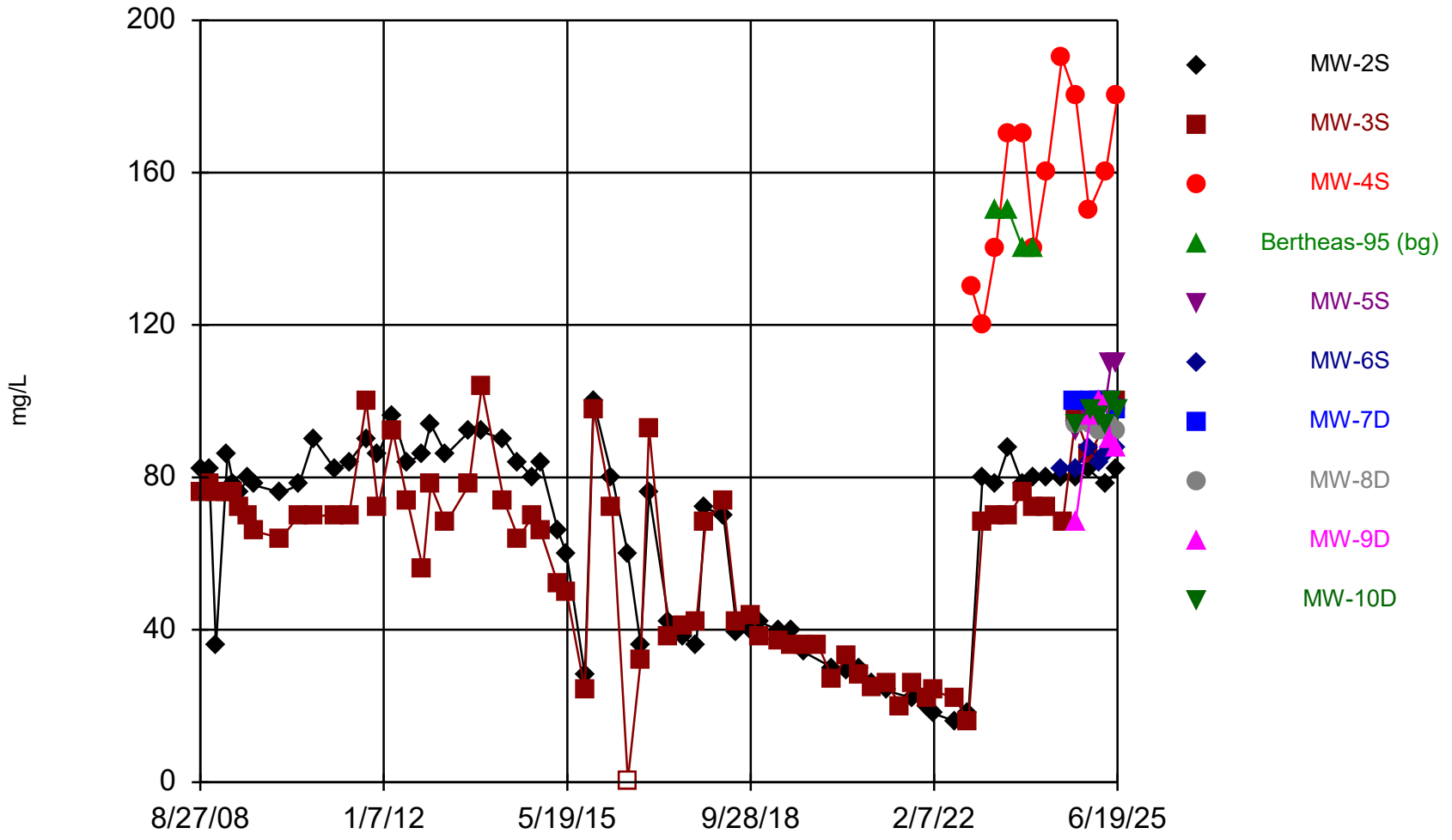
Comments: No data qualified.

Appendix D

Time-Series Plots

Hollow symbols indicate censored values.

Time Series

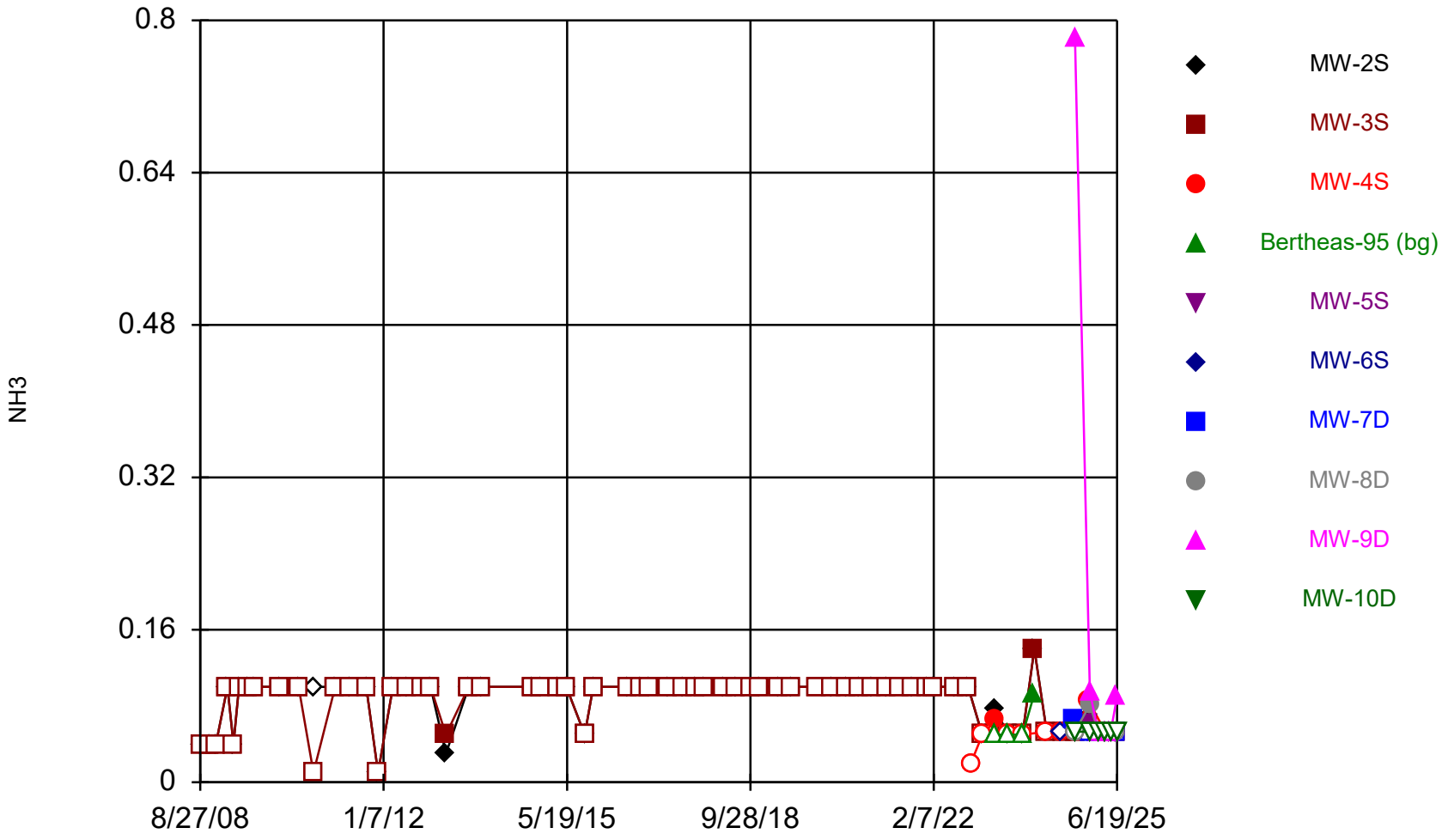


Constituent: Alkalinity, Total Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

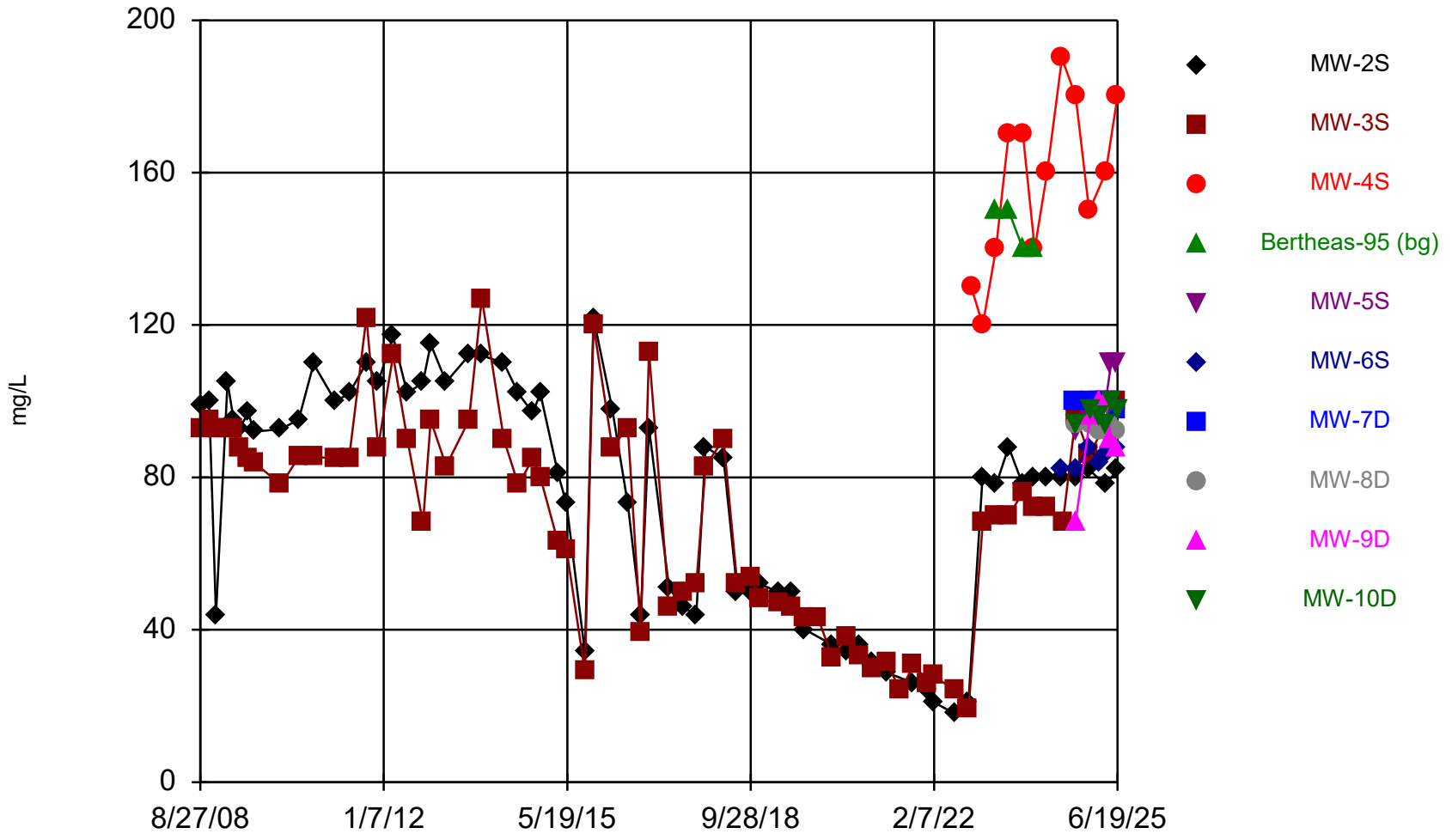
Time Series



Constituent: Ammonia Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

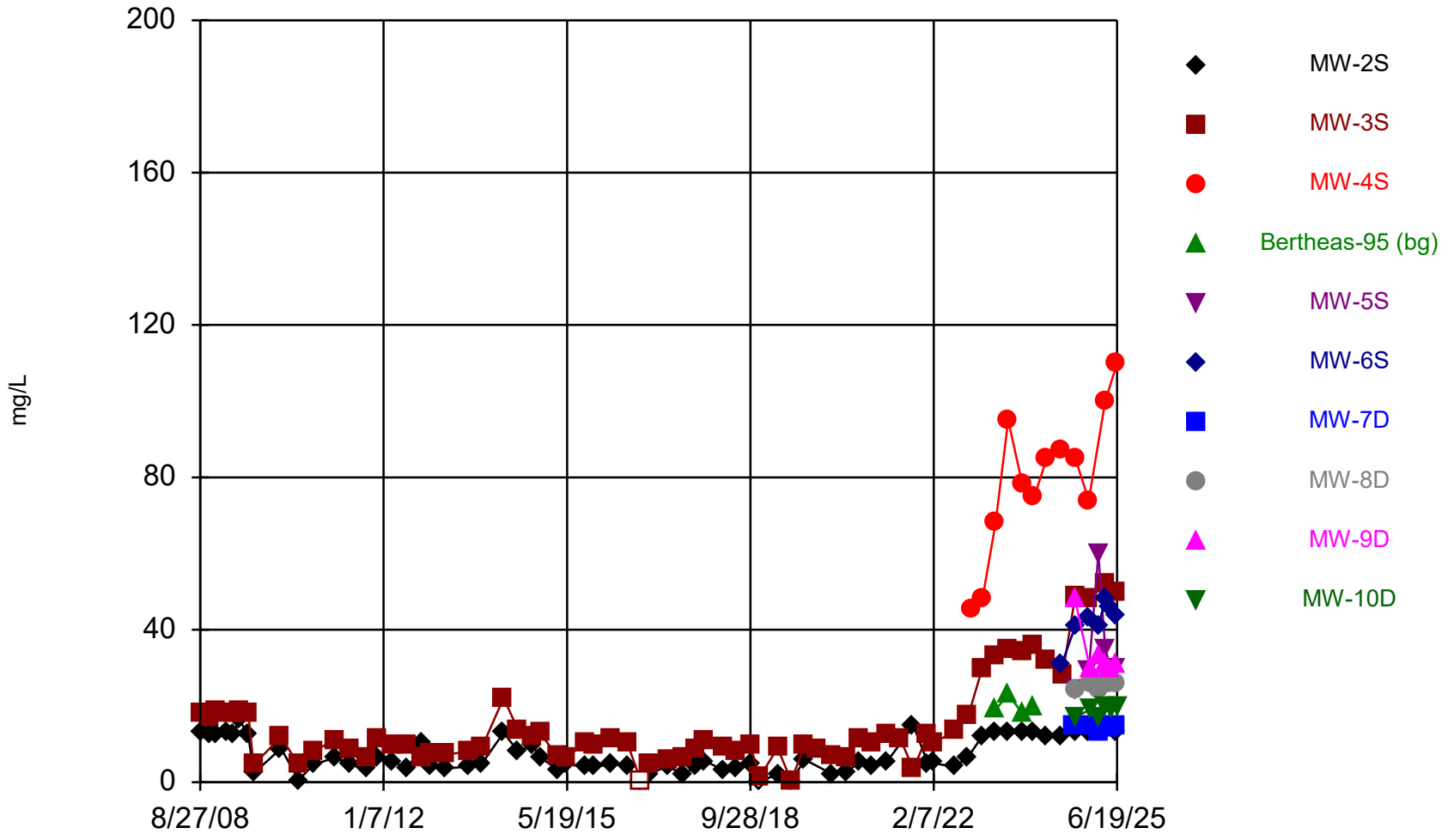


Constituent: Bicarbonate Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series

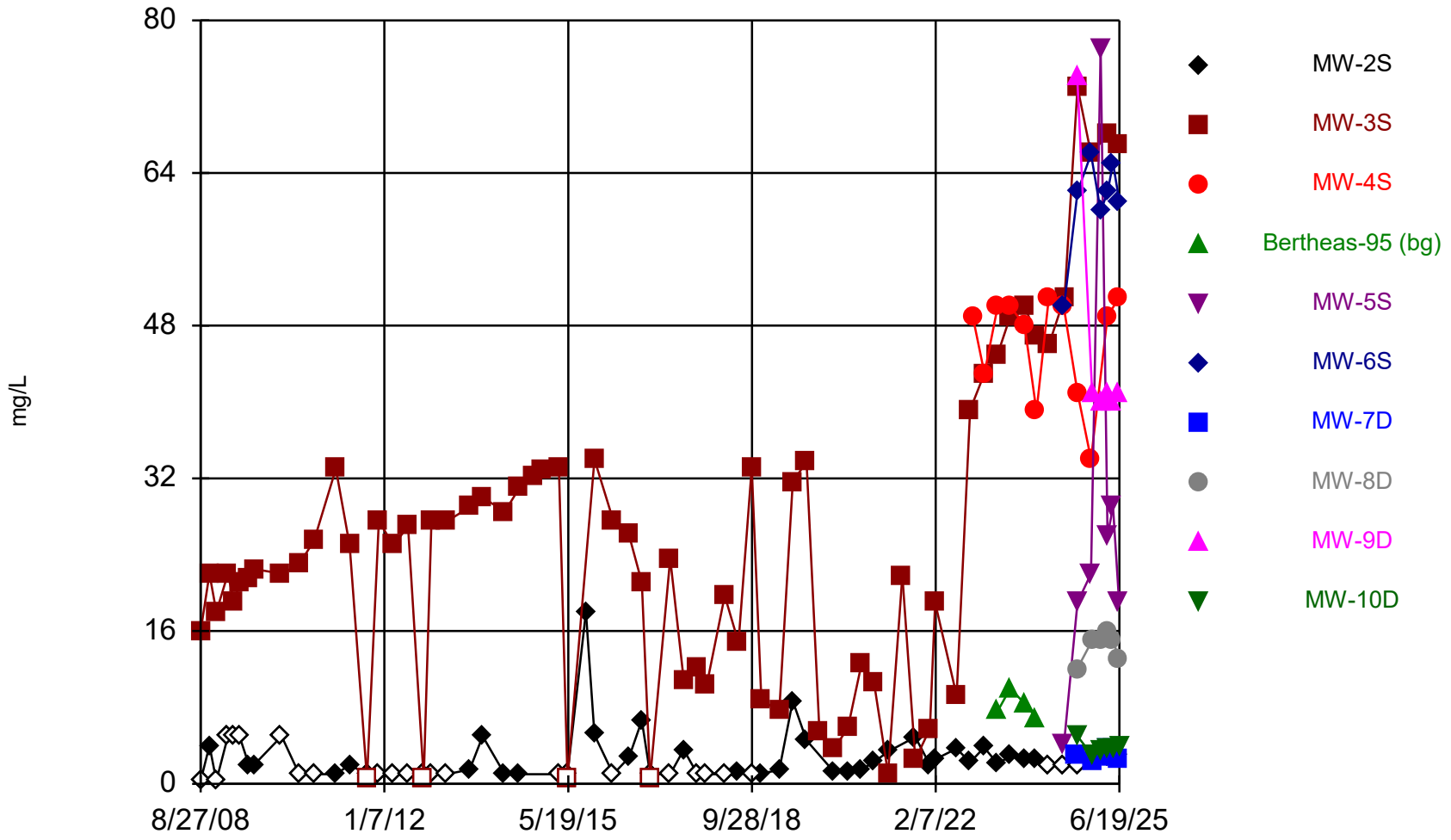


Constituent: Calcium, Dissolved Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

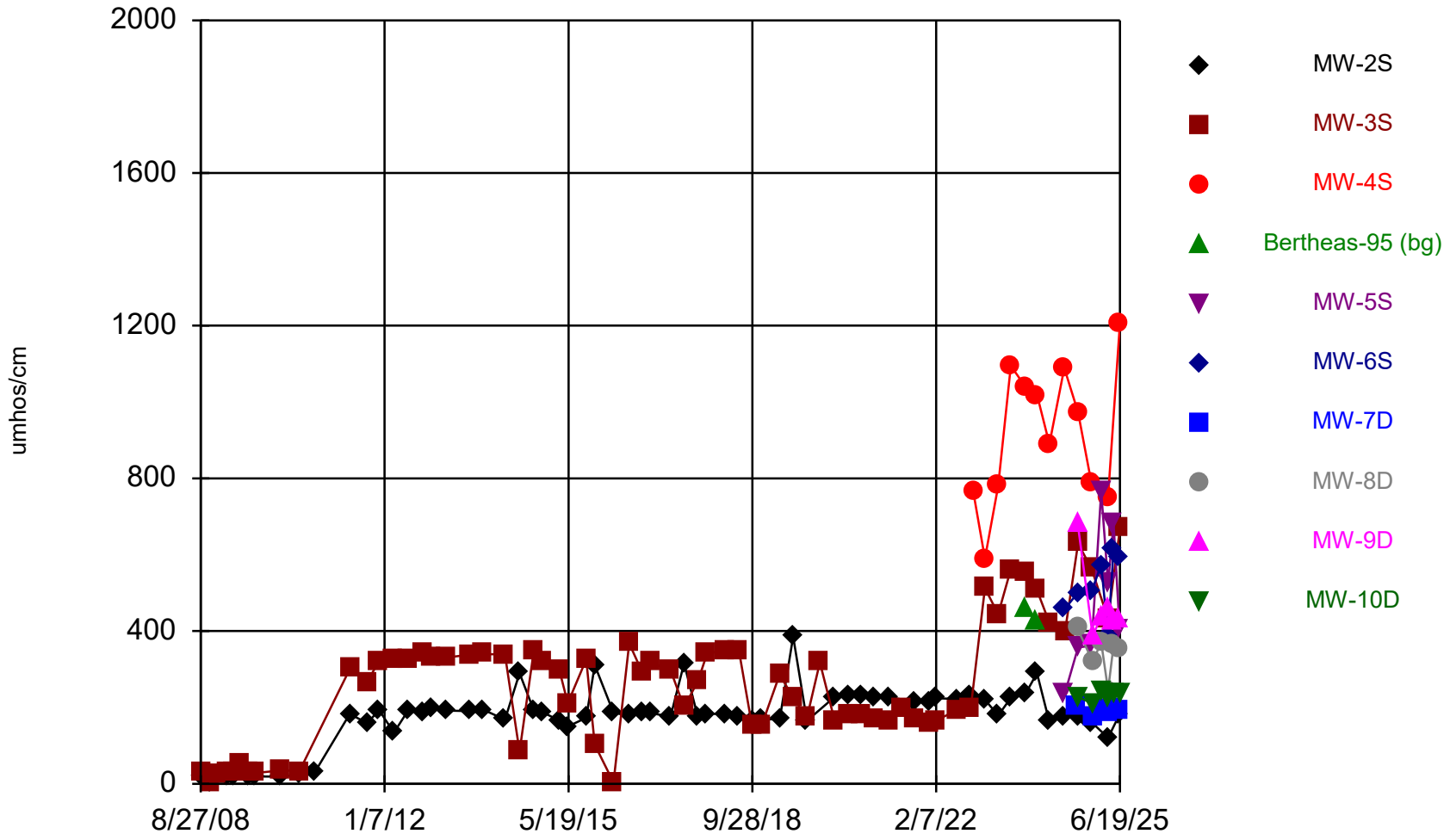
Time Series



Constituent: Chloride Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

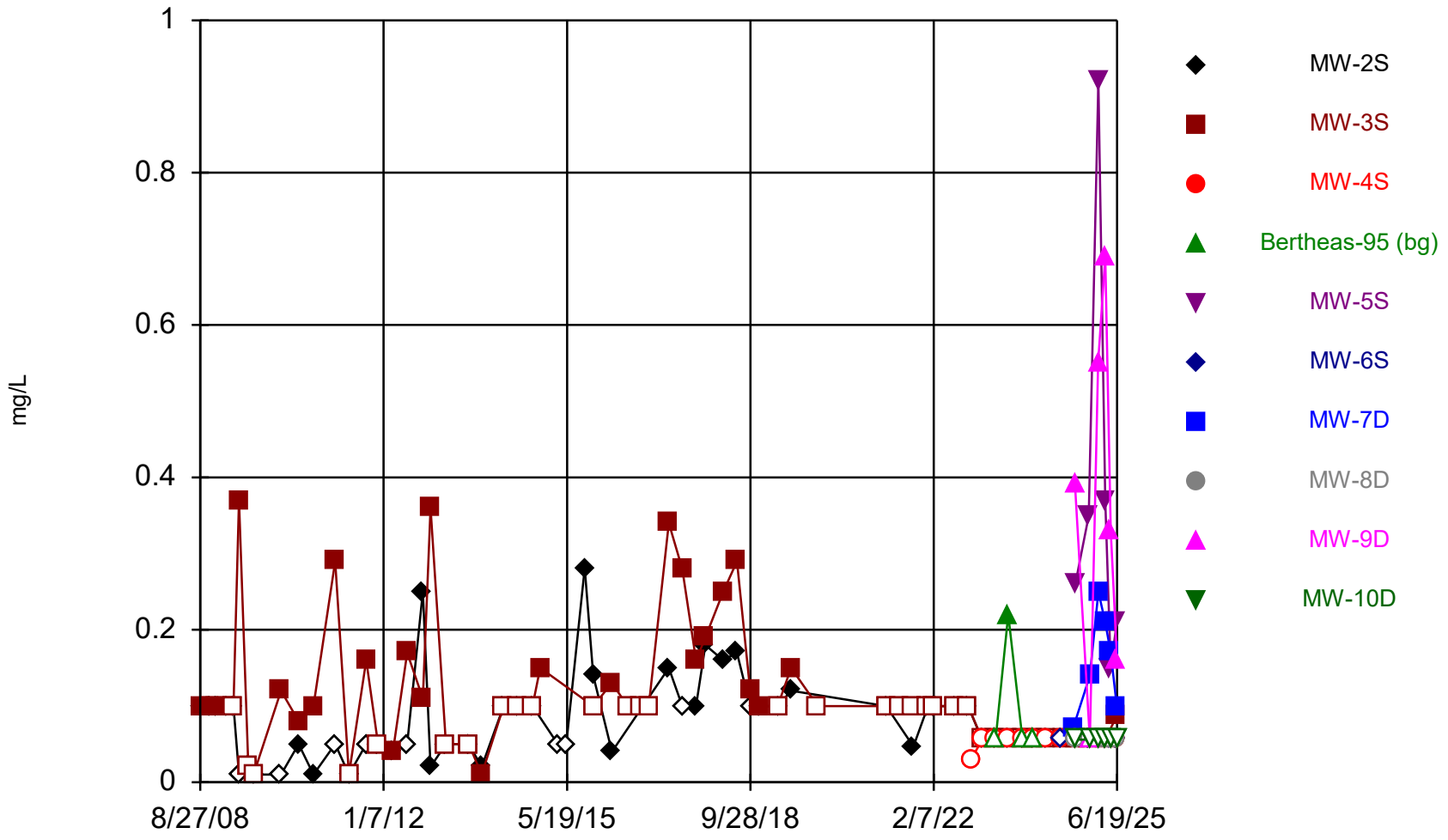


Constituent: Conductivity Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series

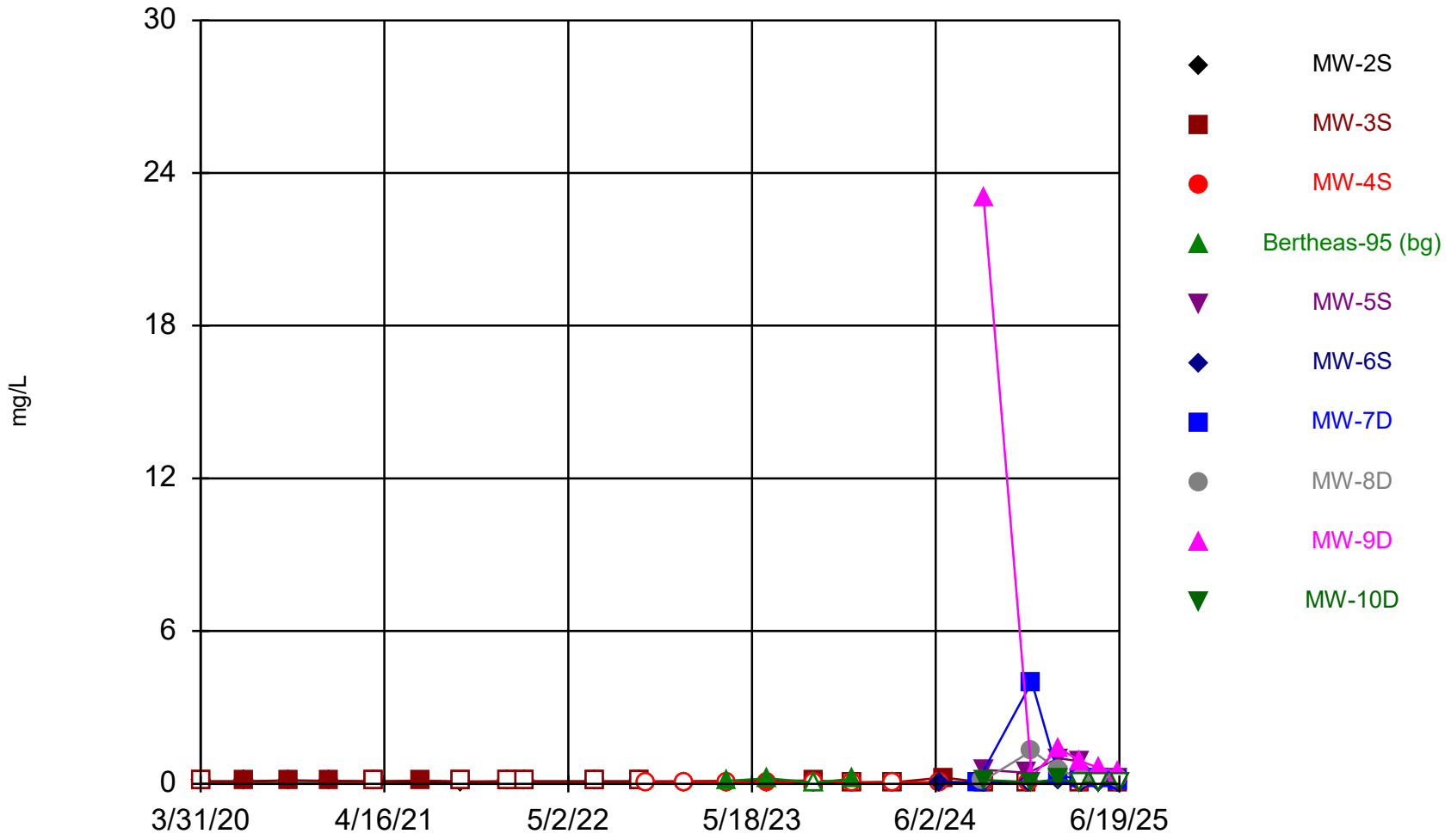


Constituent: Iron, Dissolved Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series

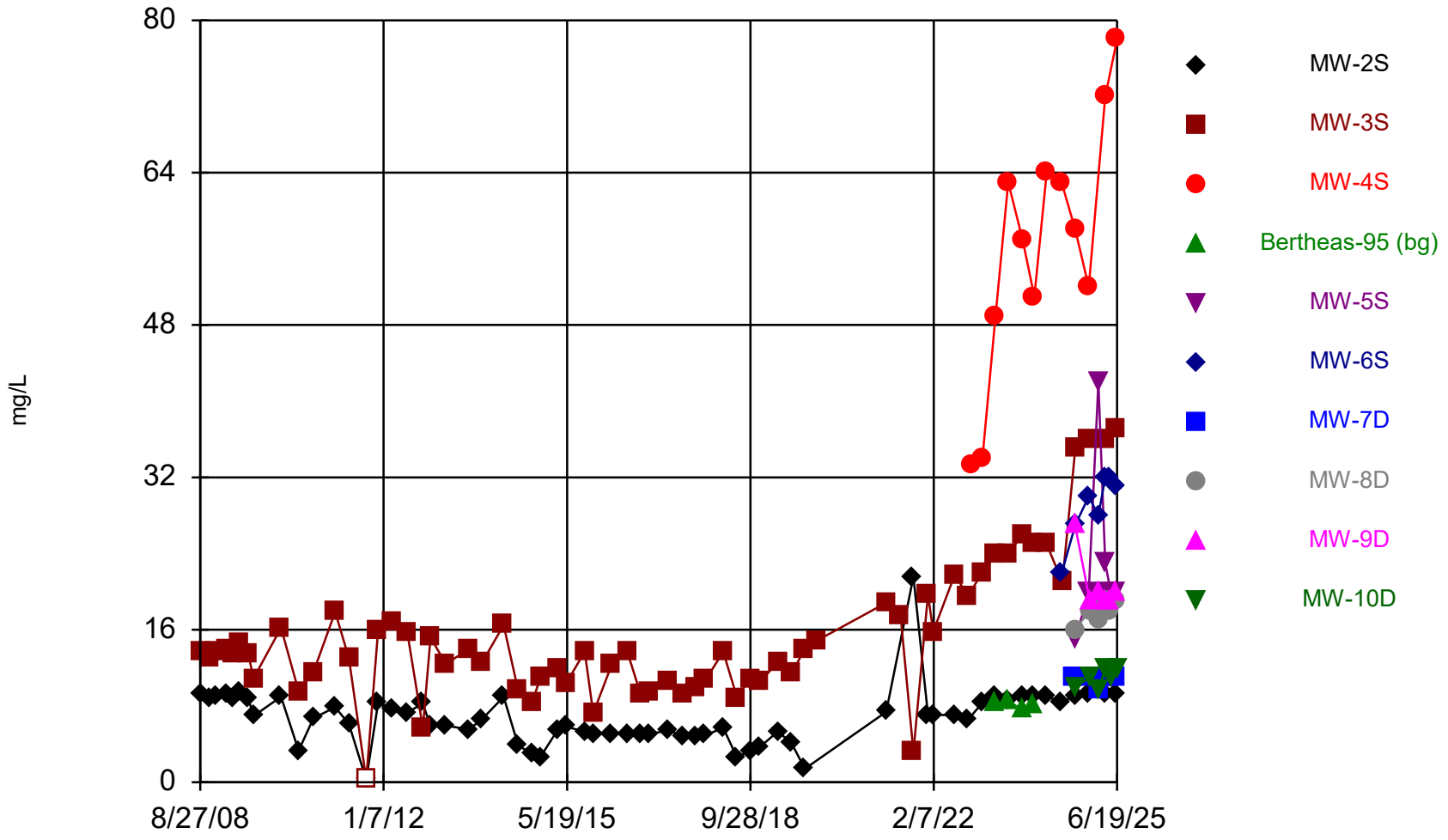


Constituent: Iron, Total Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

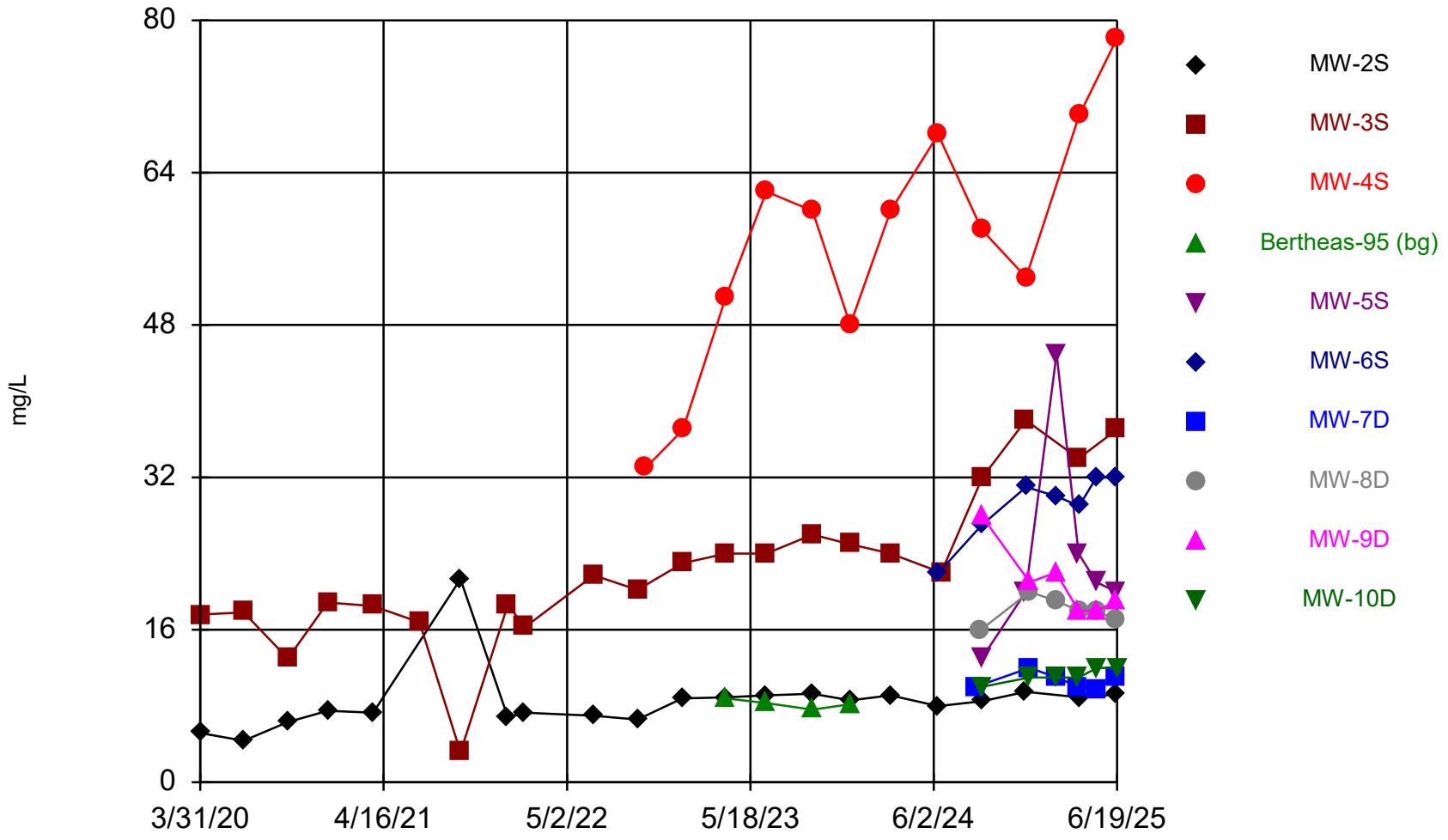
Time Series



Constituent: Magnesium, Dissolved Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

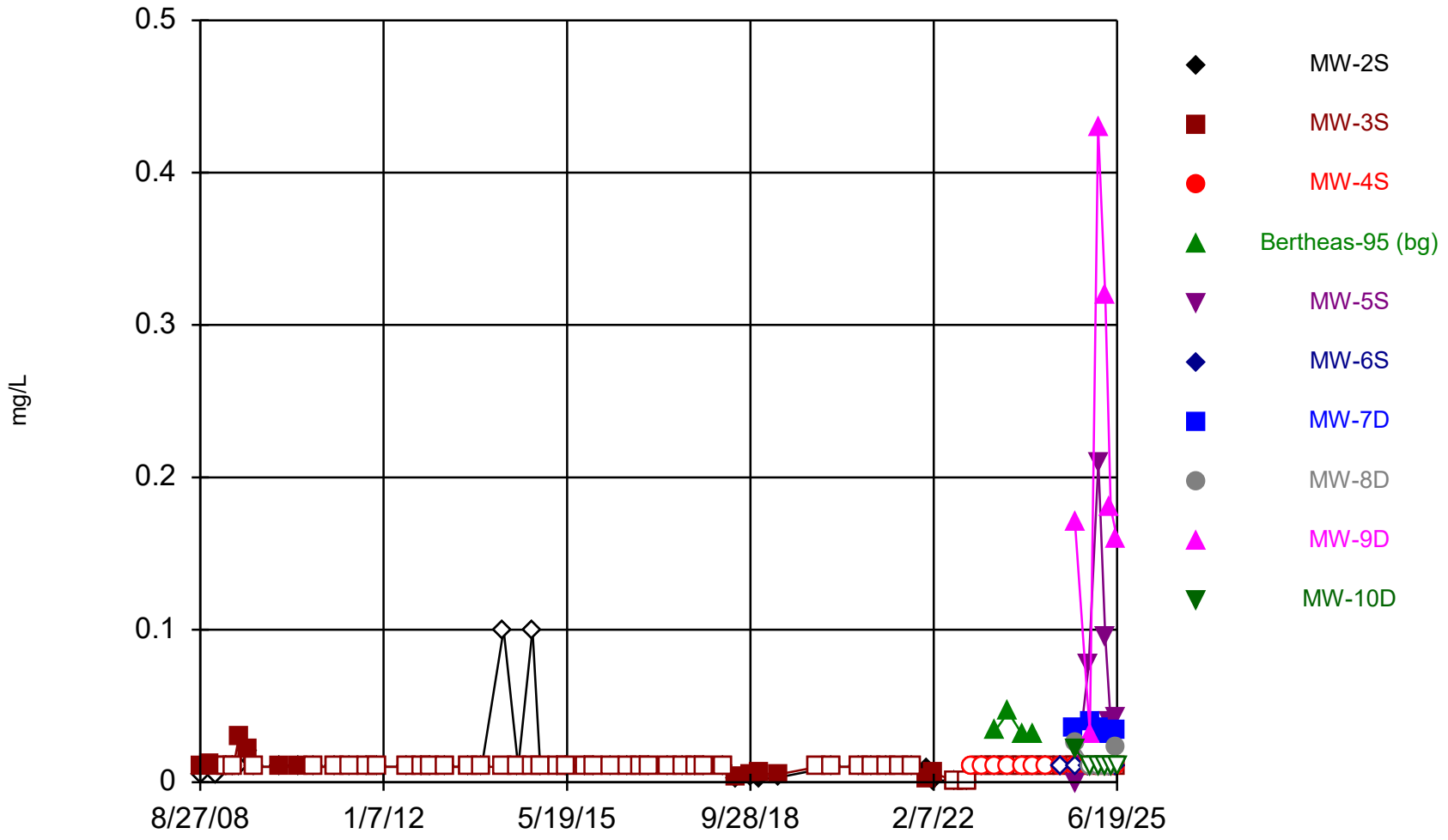


Constituent: Magnesium, Total Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series

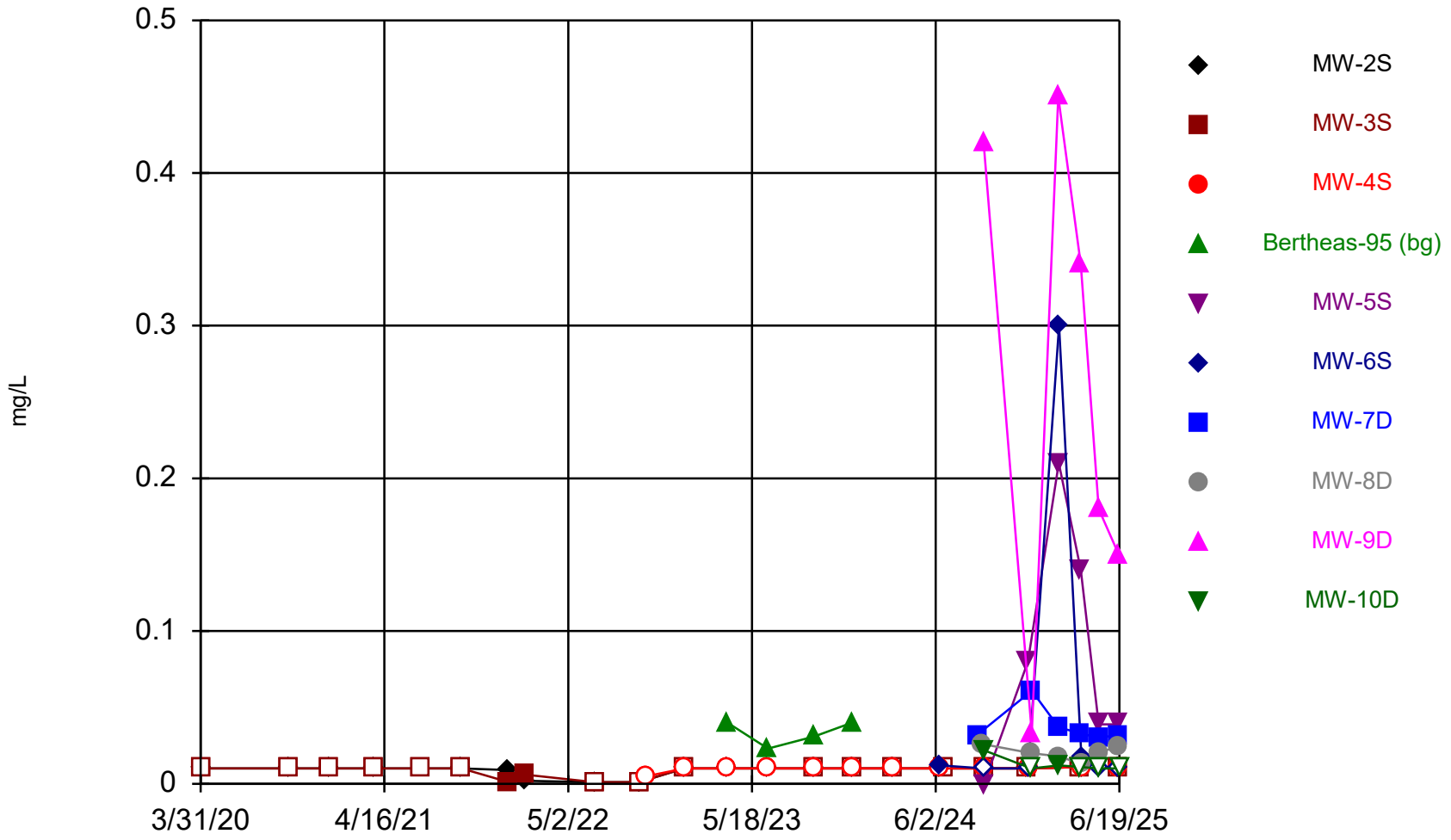


Constituent: Manganese, Dissolved Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series

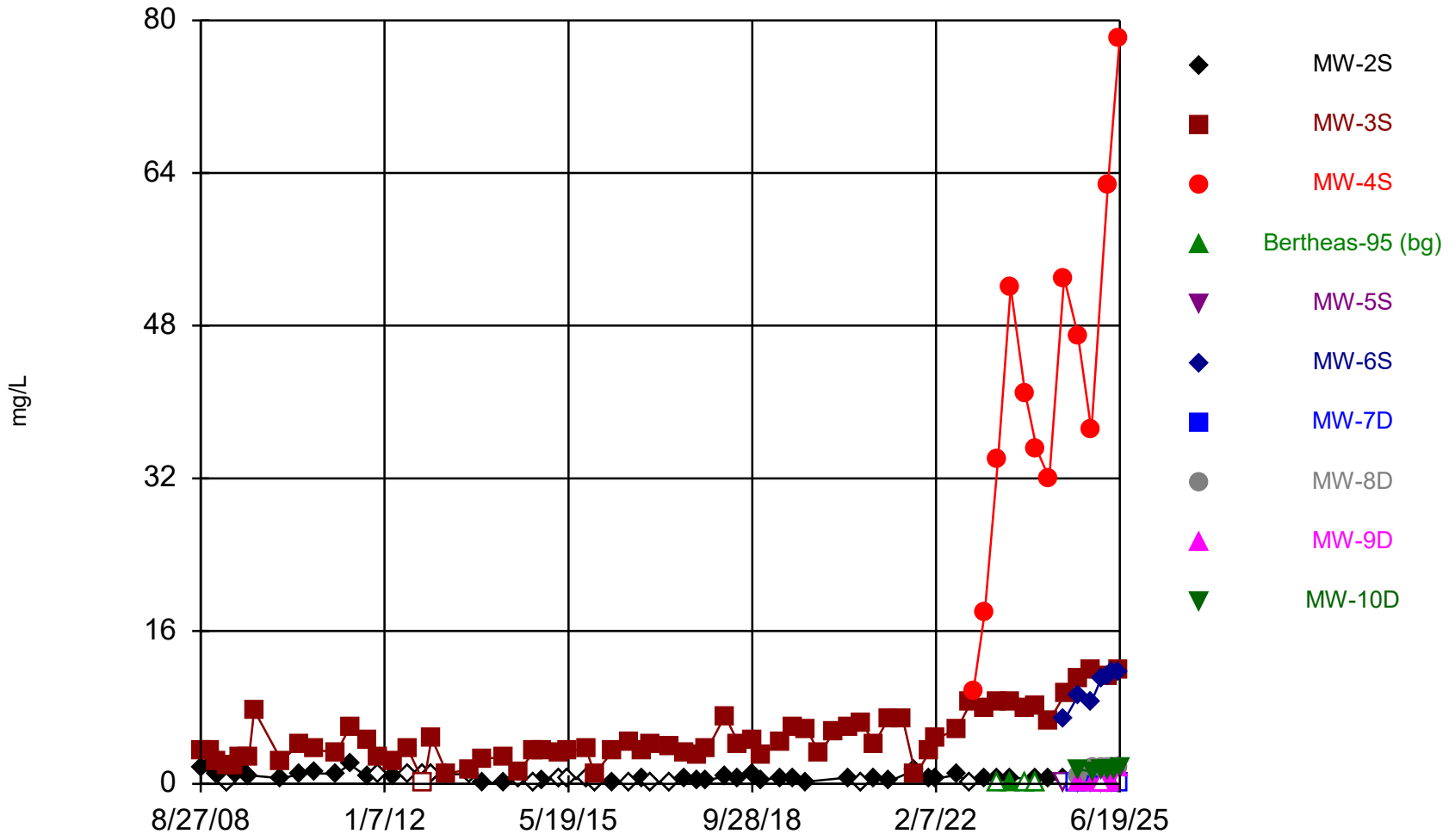


Constituent: Manganese, Total Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

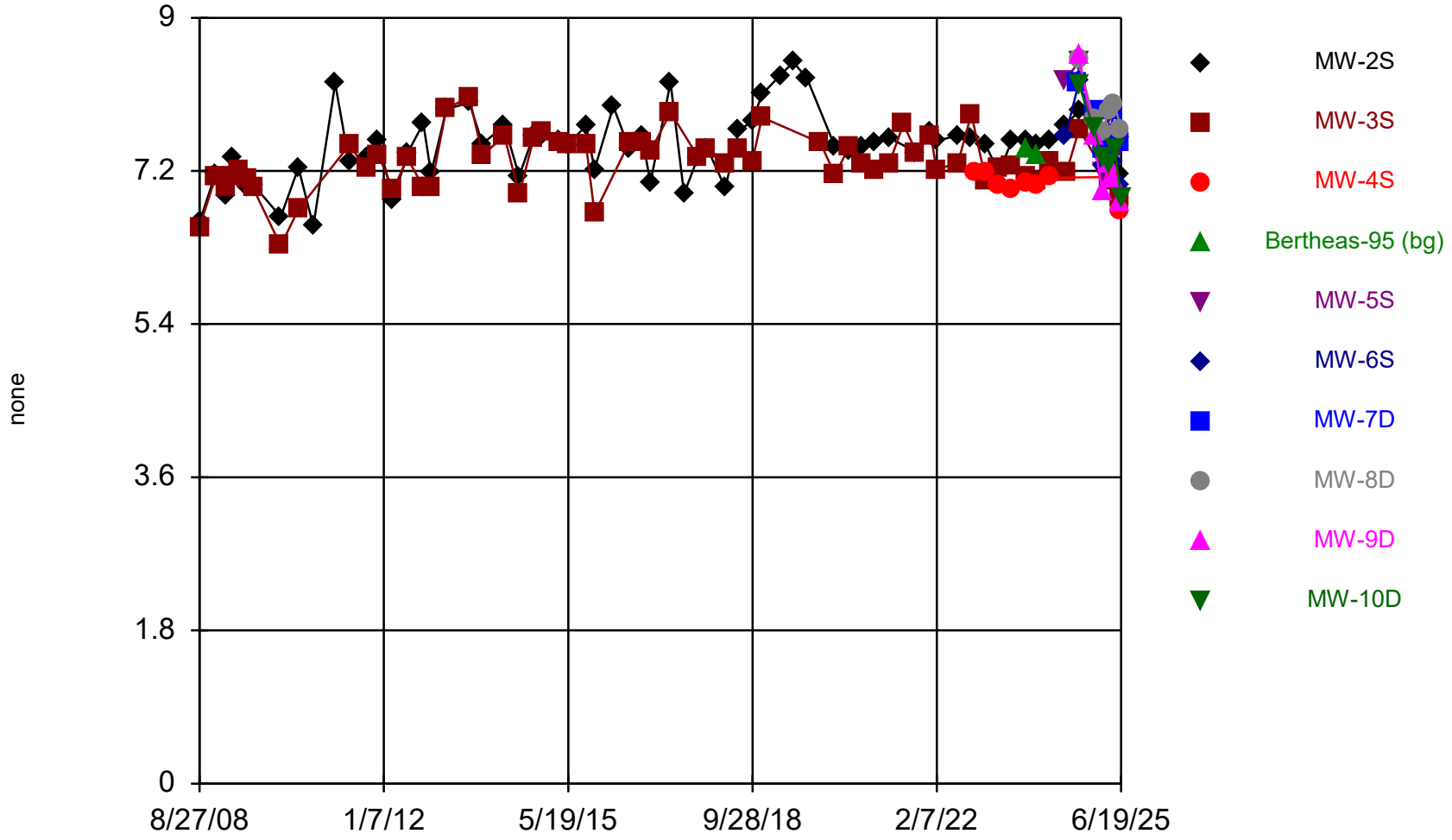
Time Series



Constituent: Nitrate Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

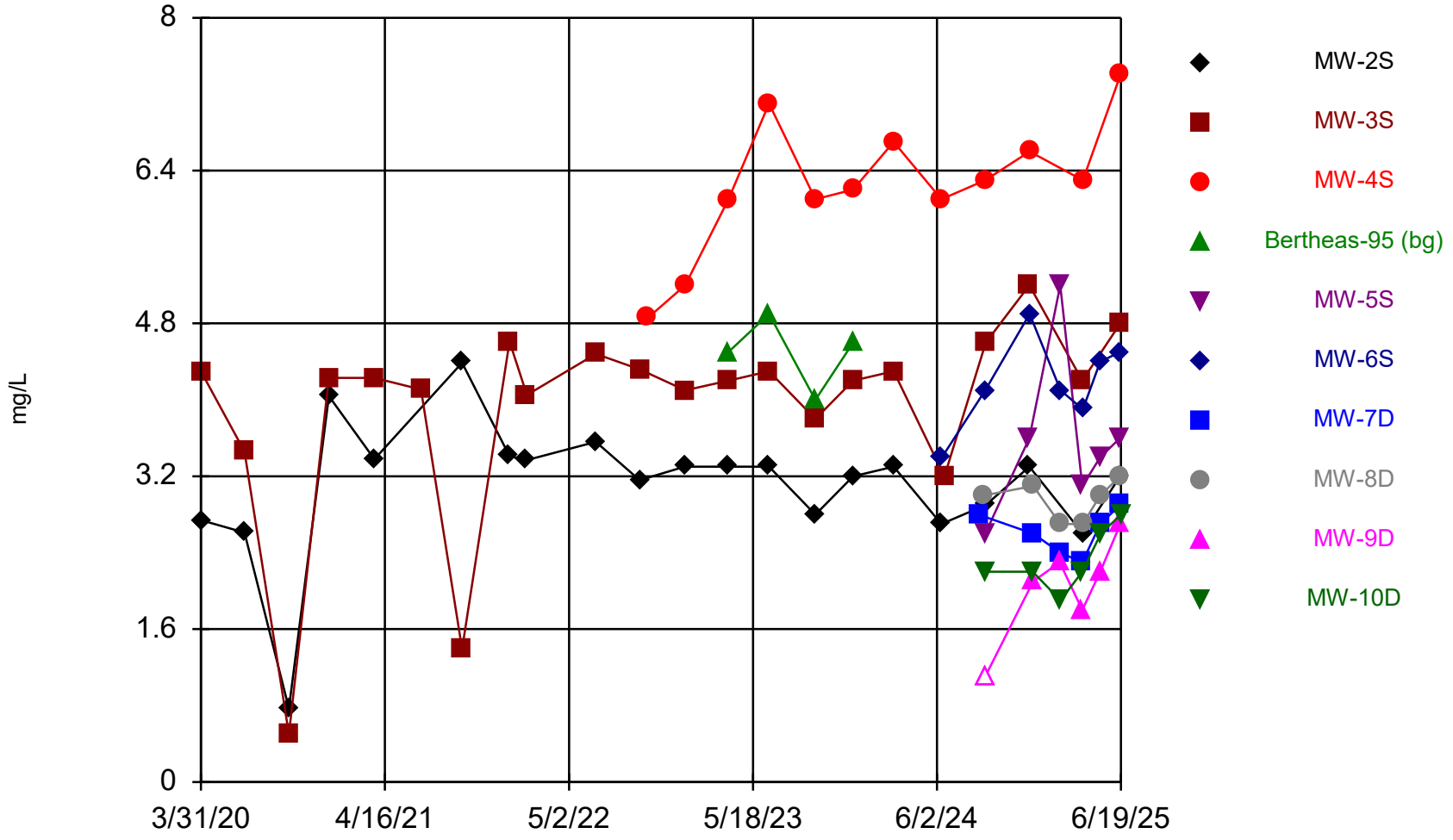


Constituent: pH Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

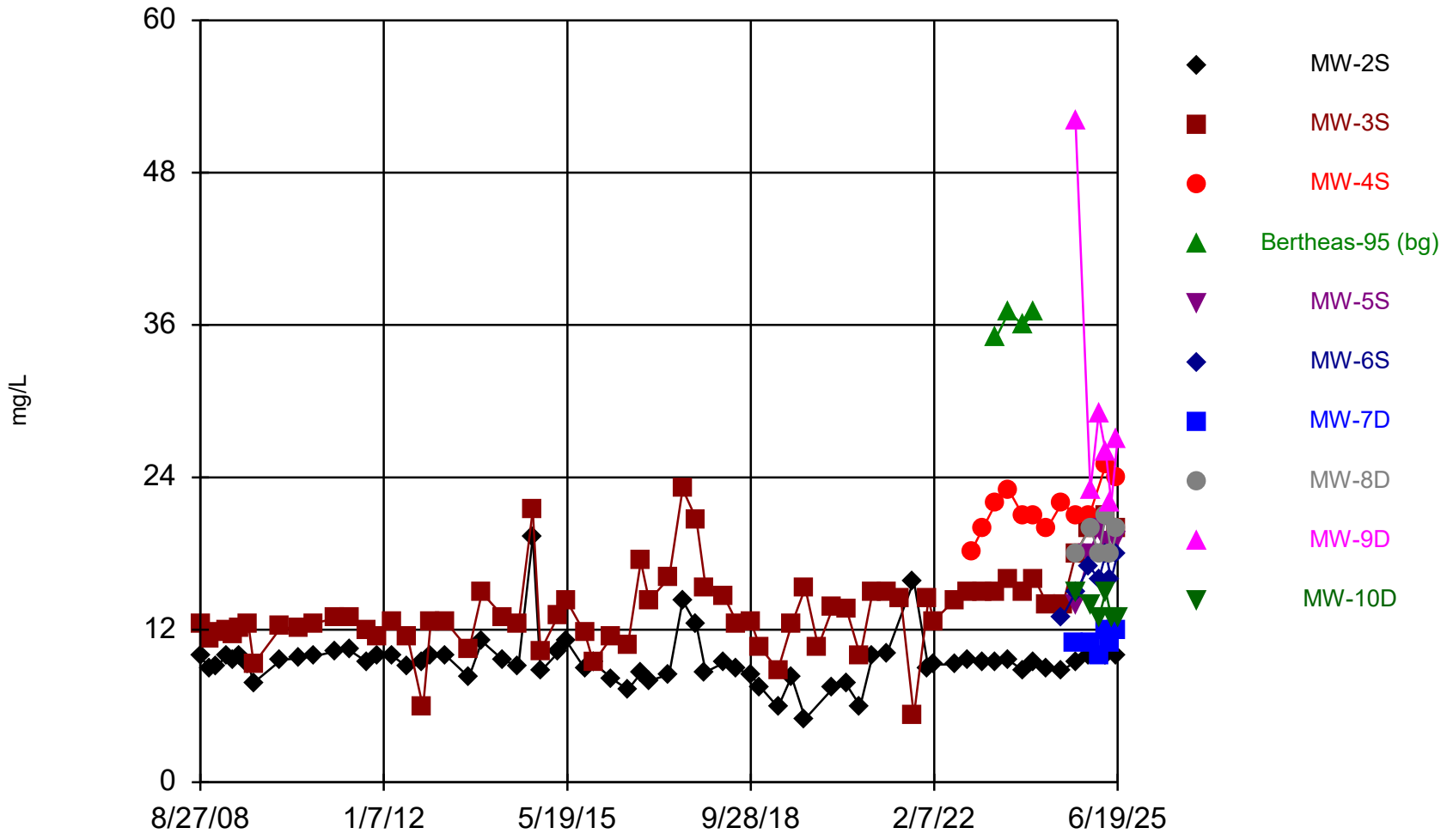
Time Series



Constituent: Potassium, Dissolved Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

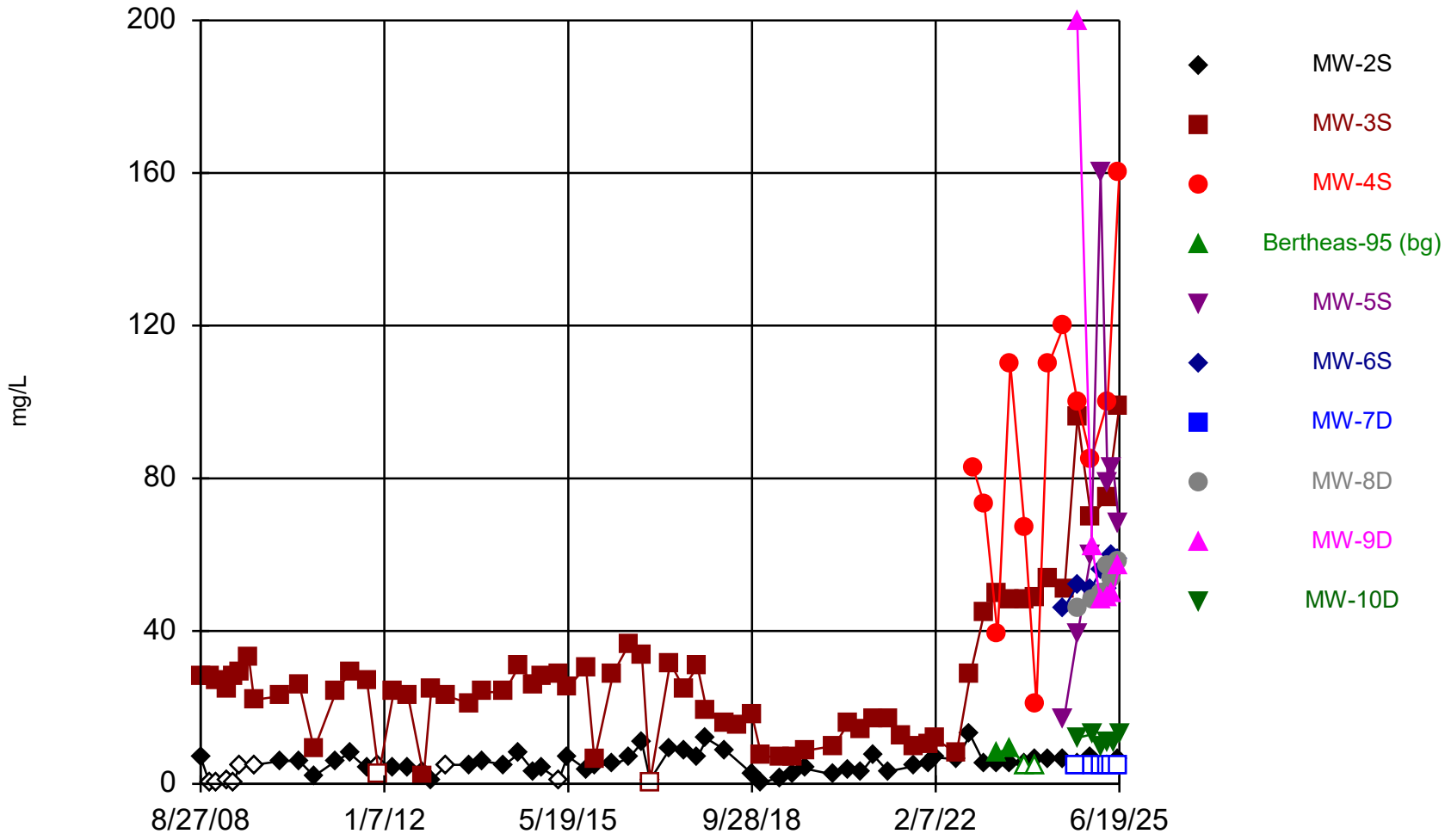


Constituent: Sodium, Dissolved Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

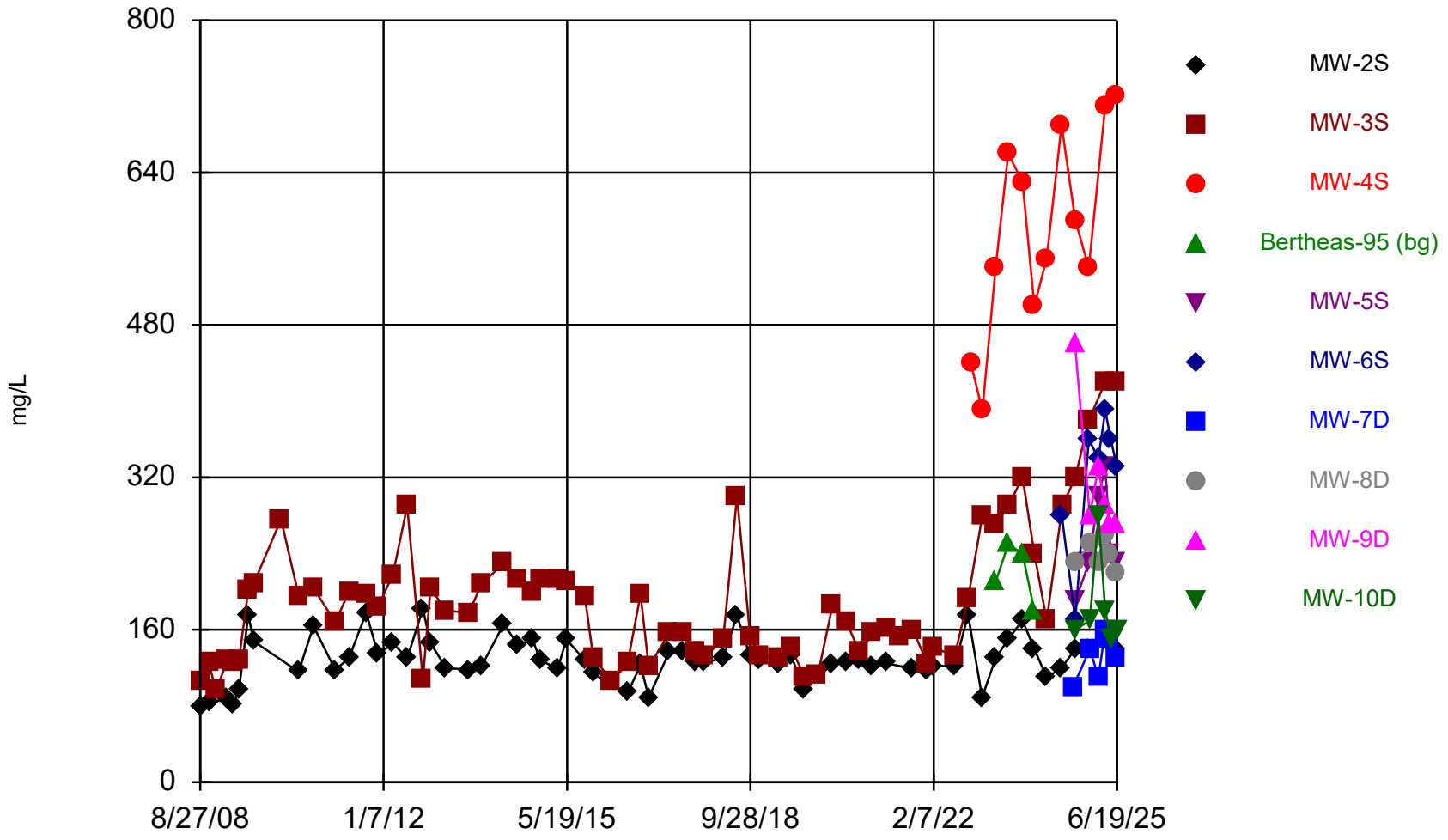
Time Series



Constituent: Sulfate Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Time Series

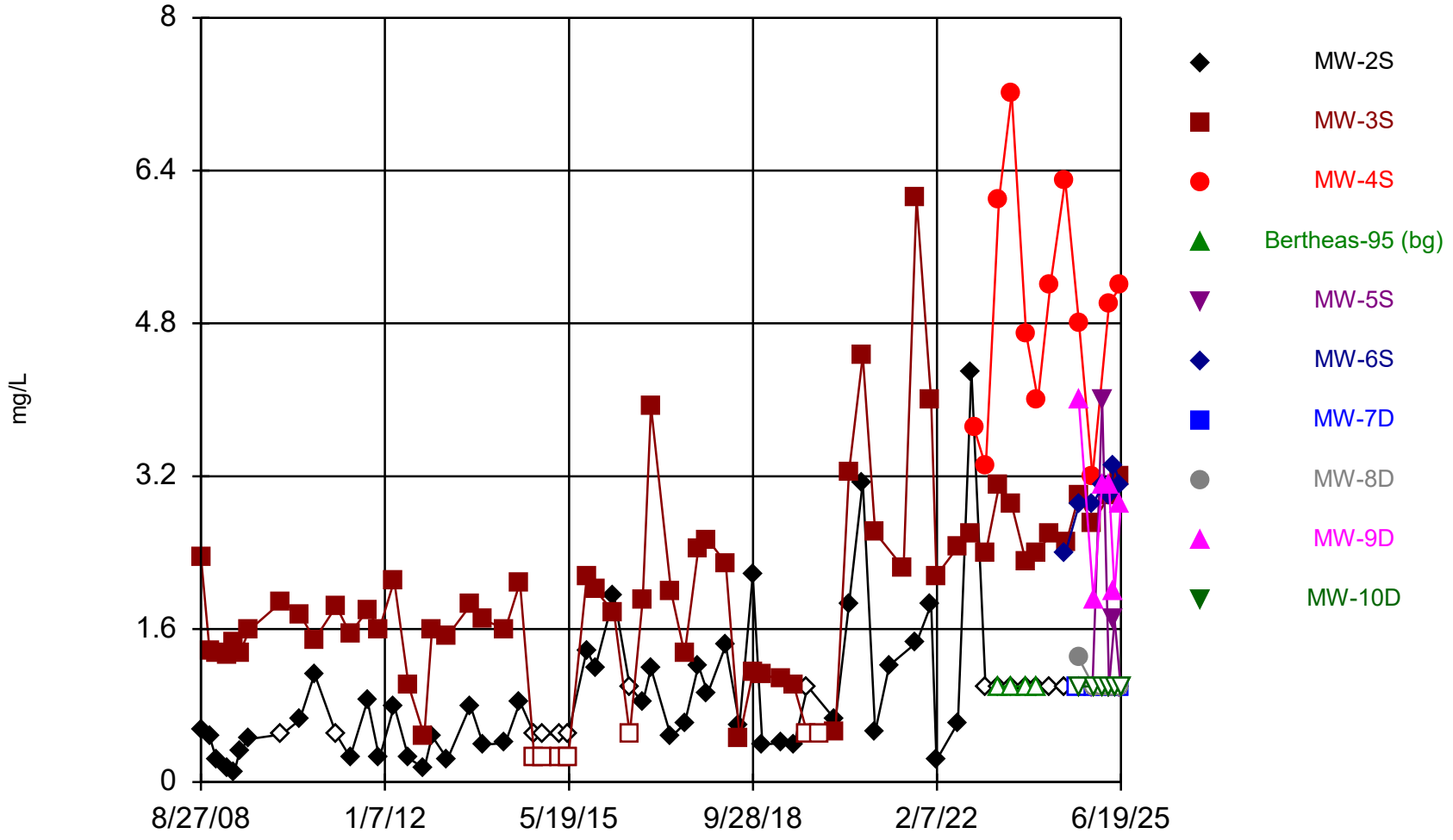


Constituent: TDS Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

Time Series



Constituent: Total Organic Carbon Analysis Run 7/17/2025 4:45 PM View: TSPs

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Appendix E

Geochemistry

Cation/Anion Balance Calculations, Rocky Top Environmental Limited Purpose Landfill, Second Quarter May 2025

	Conversion Factor[1] (mg/L to meq/L)	MW-5S			MW-6S			MW-7D			MW-8D			MW-9D			MW-10D		
		Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	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	18	0.78	19.48	16	0.70	12.13	11	0.48	22.17	18	0.78	21.51	22	0.96	23.39	13	0.57	22.74
Ca	0.0499	30	1.50	37.24	46	2.30	40.00	14	0.70	32.36	26	1.30	35.65	30	1.50	36.58	19	0.95	38.13
Mg	0.08229	20	1.65	40.94	32	2.63	45.89	11	0.91	41.93	18	1.48	40.70	19	1.56	38.21	11	0.91	36.40
Fe(+2)	0.03581	0.15	0.01	0.13	0.028	0.00	0.02	0.17	0.01	0.28	0.028	0.00	0.03	0.33	0.01	0.29	0.028	0.00	0.04
K	0.02558	3.4	0.09	2.16	4.4	0.11	1.96	2.7	0.07	3.20	3	0.08	2.11	2.2	0.06	1.38	2.6	0.07	2.67
Mn	0.0364	0.039	0.00	0.04	0.0055	0.00	0.00	0.031	0.00	0.05	0.0055	0.00	0.01	0.18	0.01	0.16	0.0055	0.00	0.01
		TOTAL	4.02	100.00	TOTAL	5.74	100.00	TOTAL	2.16	100.00	TOTAL	3.64	100.00	TOTAL	4.09	100.00	TOTAL	2.49	100.00
ANIONS																			
HCO_3[2]	0.02	110	2.20	46.34	88	1.76	30.96	100	2.00	93.87	94	1.88	53.08	90	1.80	45.31	100	2.00	82.09
SO_4	0.02082	83	1.73	36.40	60	1.25	21.97	3	0.05	2.44	54	1.12	31.74	50	1.04	26.20	11	0.23	9.40
Cl	0.02821	29	0.82	17.23	65	1.83	32.25	3	0.08	3.57	15	0.42	11.95	40	1.13	28.40	4	0.10	4.17
CO_3[2]	0.02	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
NO_3[3]	0.0714	0.0240	0.00	0.04	11.8	0.84	14.82	0	0.00	0.12	2	0.11	3.23	0	0.00	0.09	1	0.11	4.34
		TOTAL	4.75	100.00	TOTAL	5.69	100.00	TOTAL	2.13	100.00	TOTAL	3.54	100.00	TOTAL	3.97	100.00	TOTAL	2.44	100.00
anion + cation Sum (meq/L)			8.77			11.42			4.29			7.18			8.07			4.92	
(meq/L cations-anions)/(meq/L cations+anions)*100				-8.31			0.46			0.65			1.36			1.48			1.02

[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.

[ ] = 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

Cation/Anion Balance Calculations, Rocky Top Environmental Limited Purpose Landfill, Second Quarter June 2025

	Conversion Factor[1] (mg/L to meq/L)	MW-2S			MW-3S			MW-4S			MW-5S			MW-6S			MW-7D			MW-8D			MW-9D			MW-10D		
		Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	Value (mg/L)	Value (meq/L)	Percent of Total (meq/L)	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	22.51	20	0.87	13.31	24	1.04	7.94	19	0.83	20.30	18	0.78	13.87	12	0.52	23.15	20	0.87	22.81	27	1.17	26.41	13	0.57	21.55
Ca	0.0499	13	0.65	33.58	50	2.50	38.17	110	5.49	41.77	30	1.50	36.78	44	2.20	38.89	15	0.75	33.19	26	1.30	34.01	31	1.55	34.78	20	1.00	38.04
Mg	0.08229	9.3	0.77	39.61	37	3.04	46.58	78	6.42	48.84	20	1.65	40.43	31	2.55	45.18	11	0.91	40.14	19	1.56	40.99	20	1.65	37.00	12	0.99	37.64
Fe(+2)	0.03581	0.028	0.00	0.05	0.088	0.00	0.05	0.028	0.00	0.01	0.21	0.01	0.18	0.028	0.00	0.02	0.11	0.00	0.17	0.028	0.00	0.03	0.16	0.01	0.13	0.028	0.00	0.04
K	0.02558	3.2	0.08	4.24	4.8	0.12	1.88	7.4	0.19	1.44	3.6	0.09	2.26	4.5	0.12	2.04	2.9	0.07	3.29	3.2	0.08	2.15	2.7	0.07	1.55	2.8	0.07	2.73
Mn	0.0364	0.0055	0.00	0.01	0.0055	0.00	0.00	0.0055	0.00	0.00	0.042	0.00	0.04	0.0055	0.00	0.00	0.034	0.00	0.05	0.023	0.00	0.02	0.16	0.01	0.13	0.0055	0.00	0.01
		TOTAL	1.93	100.00	TOTAL	6.54	100.00	TOTAL	13.14	100.00	TOTAL	4.07	100.00	TOTAL	5.65	100.00	TOTAL	2.26	100.00	TOTAL	3.81	100.00	TOTAL	4.45	100.00	TOTAL	2.62	100.00
ANIONS																												
HCO_3[2]	0.02	82	1.64	86.23	100	2.00	29.38	180	3.60	25.80	110	2.20	52.90	88	1.76	31.70	98	1.96	93.67	92	1.84	52.17	88	1.76	41.70	98	1.96	79.66
SO_4	0.02082	6.3	0.13	6.90	99	2.06	30.28	160	3.33	23.87	68	1.42	34.04	59	1.23	22.13	2.5	0.05	2.49	58	1.21	34.24	57	1.19	28.12	13	0.27	11.00
Cl	0.02821	2.9	0.08	4.30	67	1.89	27.76	51	1.44	10.31	19	0.54	12.89	61	1.72	31.00	2.6	0.07	3.51	13	0.37	10.40	41	1.16	27.40	4.0	0.11	4.59
CO_3[2]	0.02	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00
NO_3[3]	0.0714	0.686	0.05	2.58	12.0	0.86	12.59	78.2	5.58	40.02	0.1	0.01	0.17	11.8	0.84	15.18	0.1	0.01	0.34	1.58	0.11	3.20	1.64	0.12	2.77	1.64	0.12	4.76
		TOTAL	1.90	100.00	TOTAL	6.81	100.00	TOTAL	13.95	100.00	TOTAL	4.16	100.00	TOTAL	5.55	100.00	TOTAL	2.09	100.00	TOTAL	3.53	100.00	TOTAL	4.22	100.00	TOTAL	2.46	100.00
anion + cation Sum (meq/L)			3.83			13.34			27.10			8.23			11.20			4.35			7.34			8.67			5.08	
(meq/L cations-anions)/(meq/L cations+anions)*100				0.79			-2.04			-2.99			-1.07			0.84			3.74			3.92			2.62			3.21

[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.

[ ] = Outside WAC 173-351-420(5)(a) acceptable range

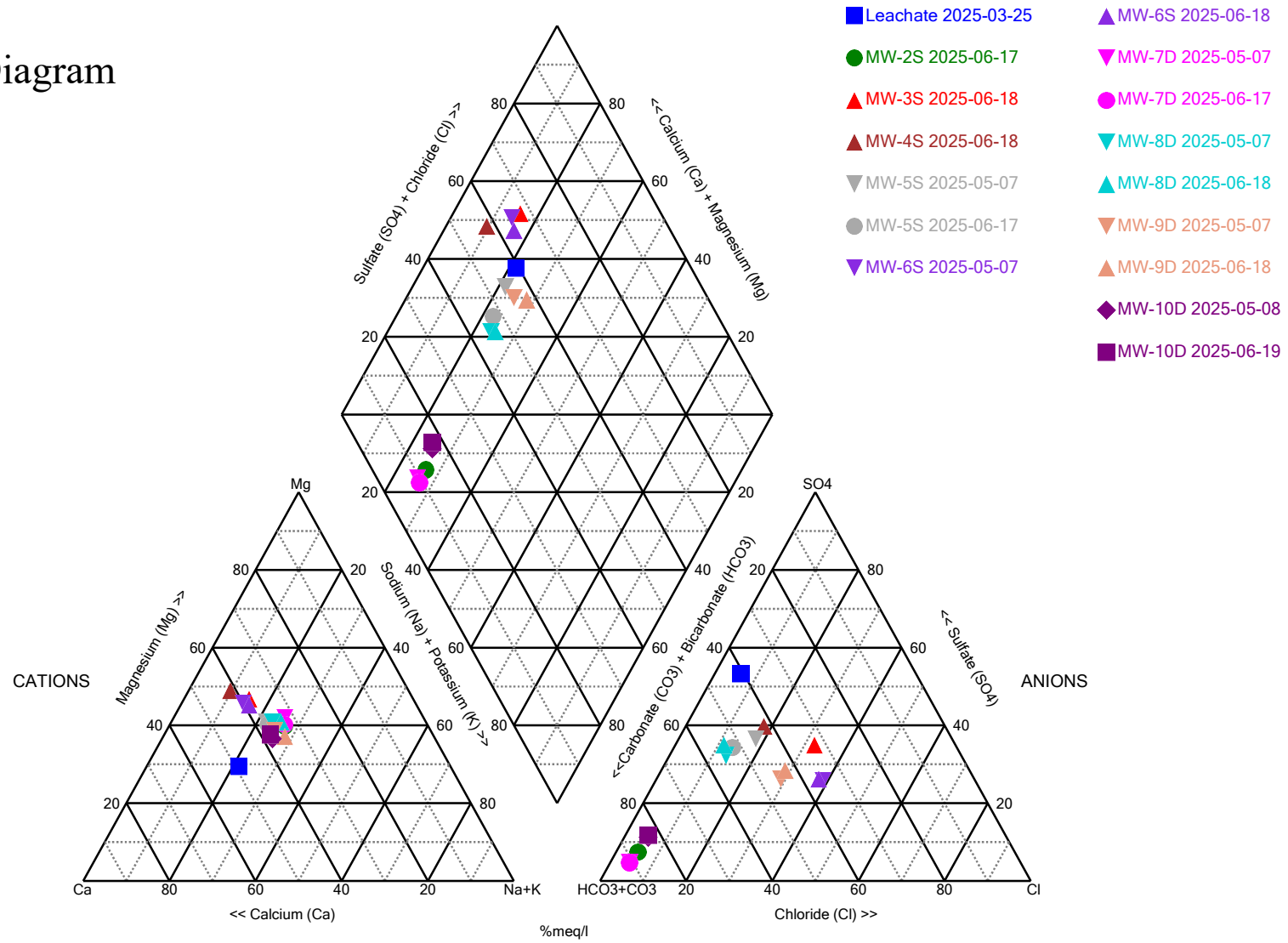
+/-5 percent (for anion plus cation sums greater than 5 meq/L), or

+/-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

Piper Diagram

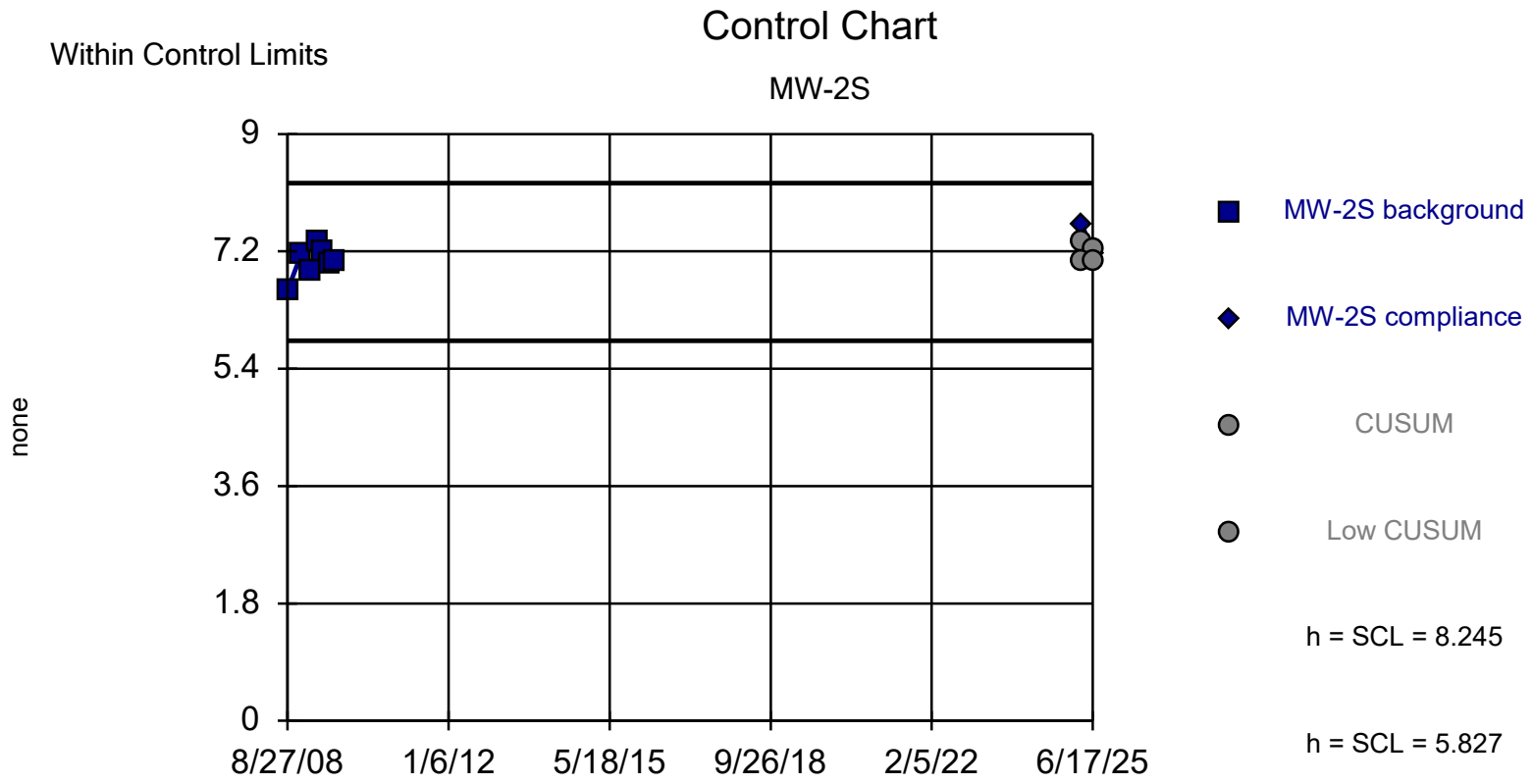


Analysis Run 8/21/2025 2:37 PM

Yakima Limited Purpose Landfill Client: DTG Data: DTG Piper

Appendix F

Statistics

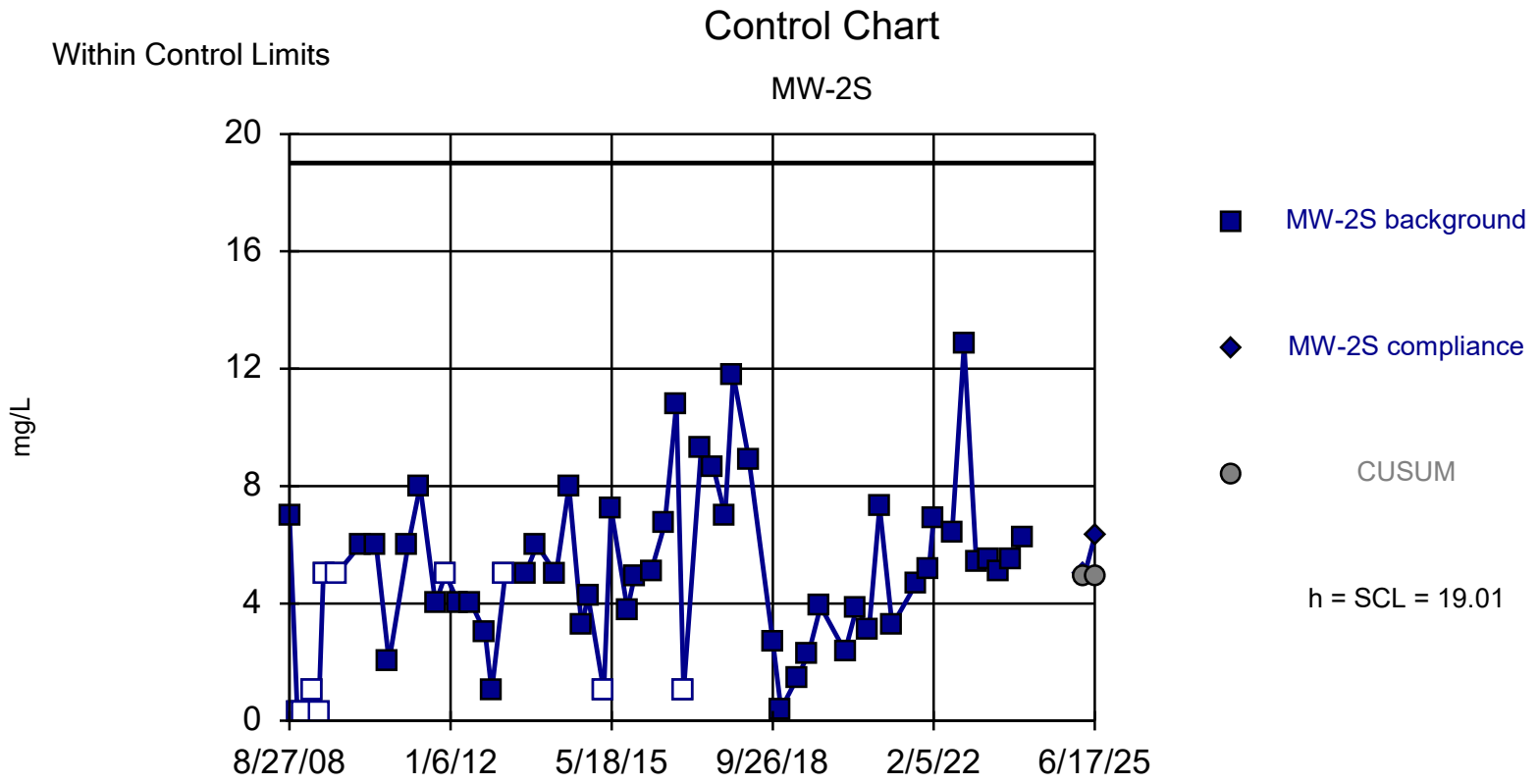


Background Data Summary: Mean=7.036, Std. Dev.=0.2418, n=7. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9617, critical = 0.803. Report alpha = 0.003022. Dates ending 8/19/2009 used for control stats. Standardized h=5, SCL=5.

Constituent: pH Analysis Run 7/15/2025 12:30 PM View: 2025 Control Charts - 2008-2009 background

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

Hollow symbols indicate censored values.

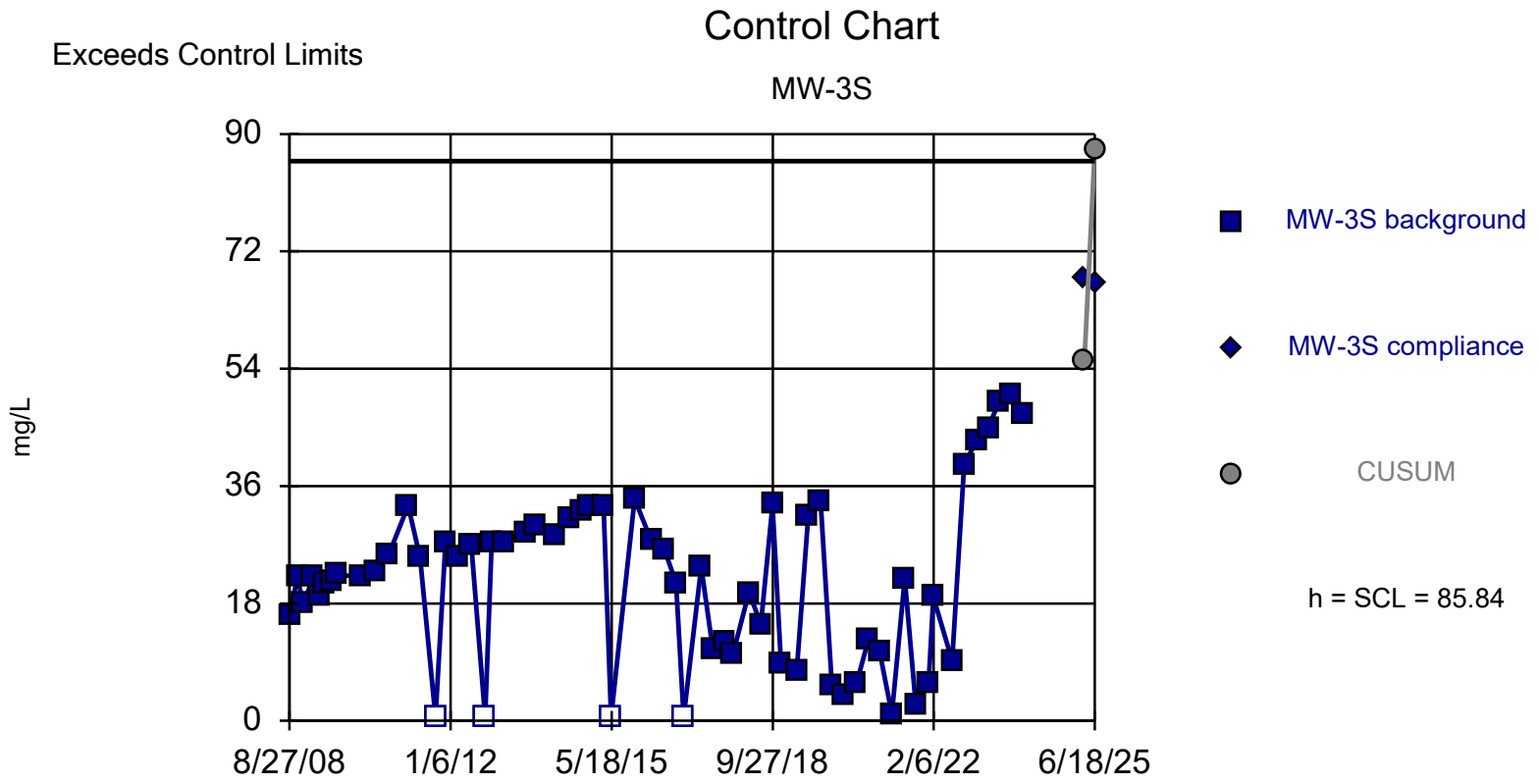


Background Data Summary: Mean=4.912, Std. Dev.=2.819, n=58, 17.24% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.05, calculated = 0.9674, critical = 0.961. Report alpha = 0.000012. Dates ending 12/12/2023 used for control stats. Standardized h=5, SCL=5.

Constituent: Sulfate Analysis Run 7/15/2025 12:28 PM View: 2025 Control Charts - 2008-2023 backgroun

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

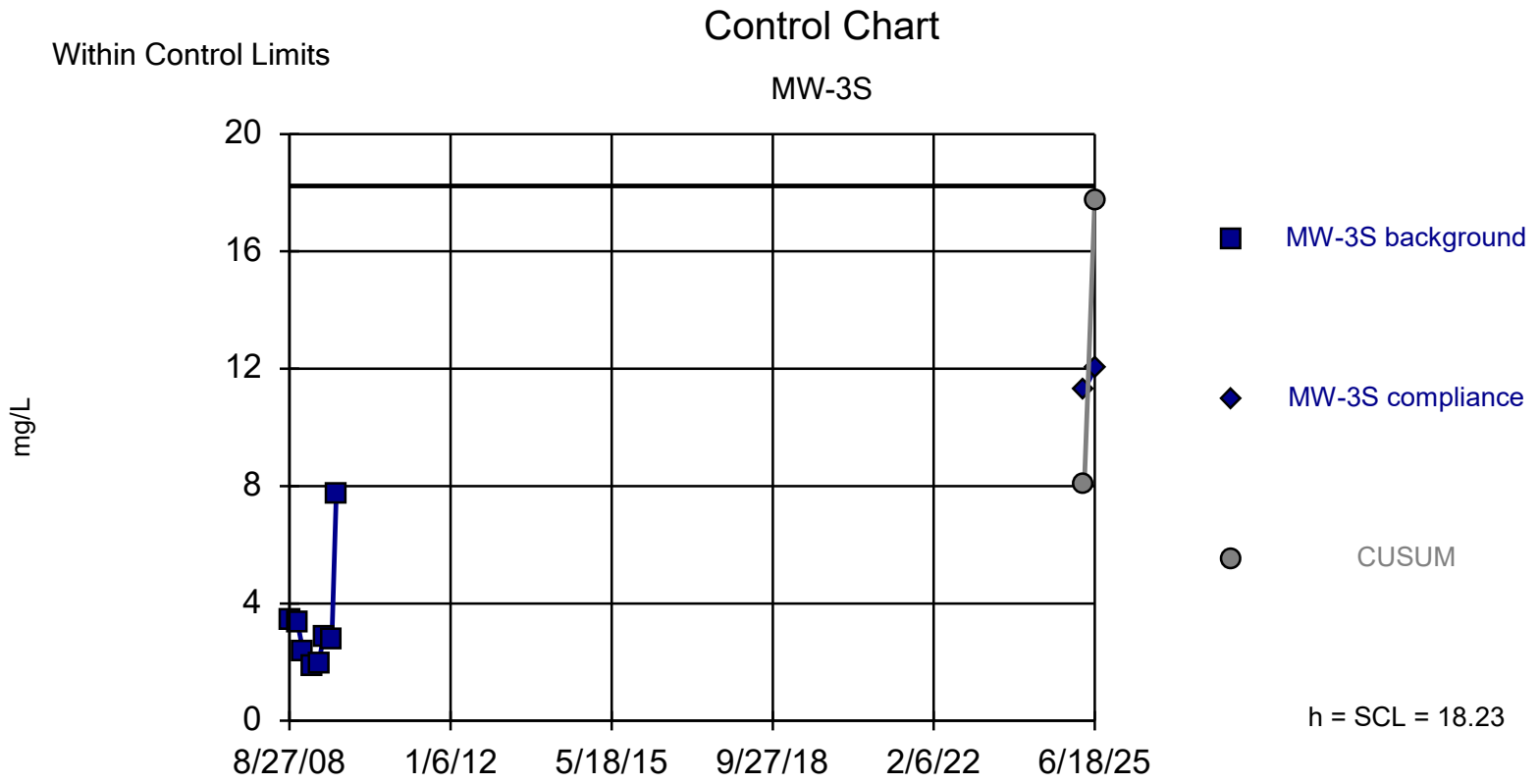
Hollow symbols indicate censored values.



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 = 0.00001. Dates ending 12/12/2023 used for control stats. Standardized h=5, SCL=5.

Constituent: Chloride Analysis Run 7/15/2025 12:28 PM View: 2025 Control Charts - 2008-2023 backgrou

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

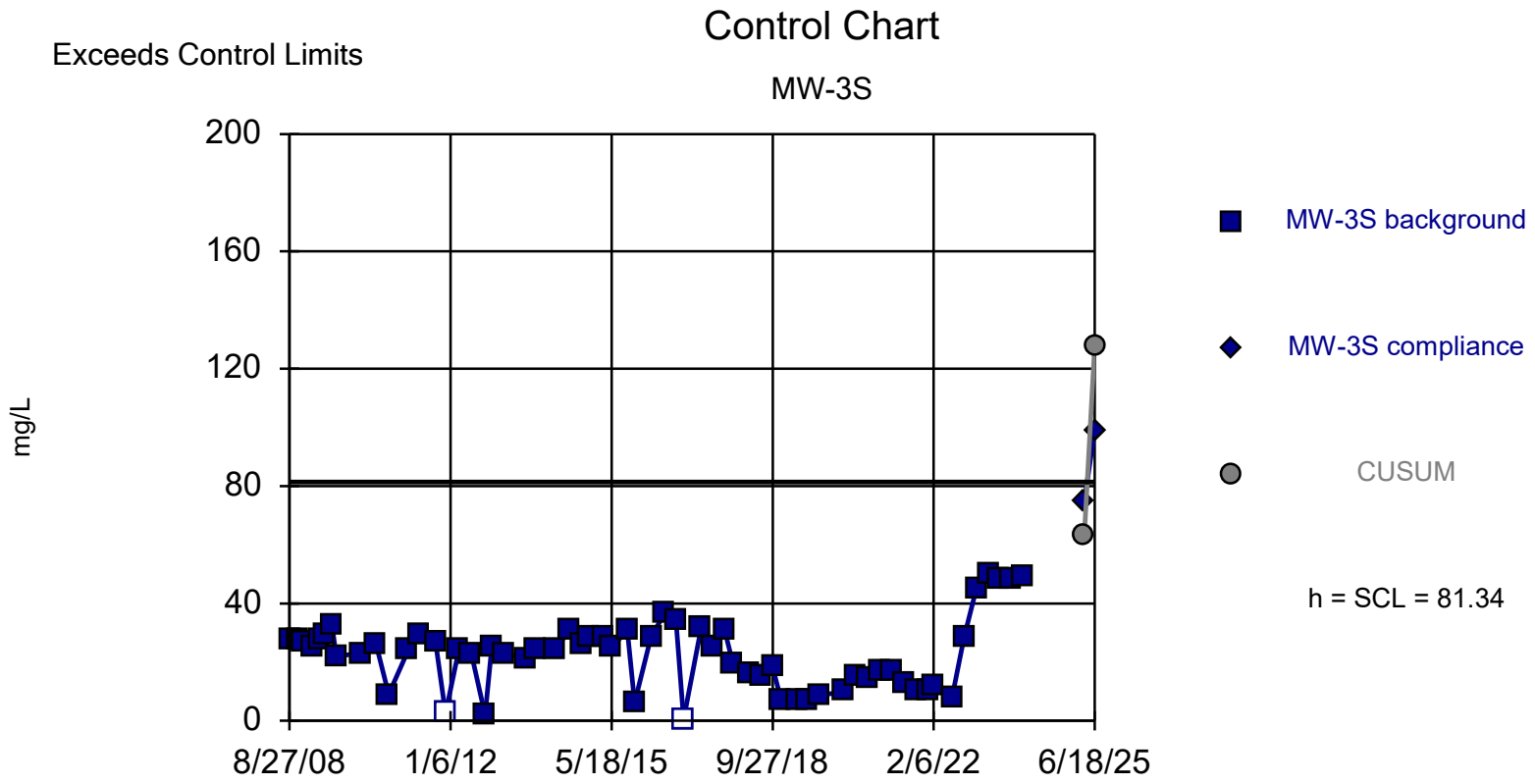


Background Data Summary (based on cube root transformation): Mean=1.453, Std. Dev.=0.2359, n=8. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8192, critical = 0.818. Report alpha = 0.001762. Dates ending 8/19/2009 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate Analysis Run 7/15/2025 12:30 PM View: 2025 Control Charts - 2008-2009 backgroun

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats

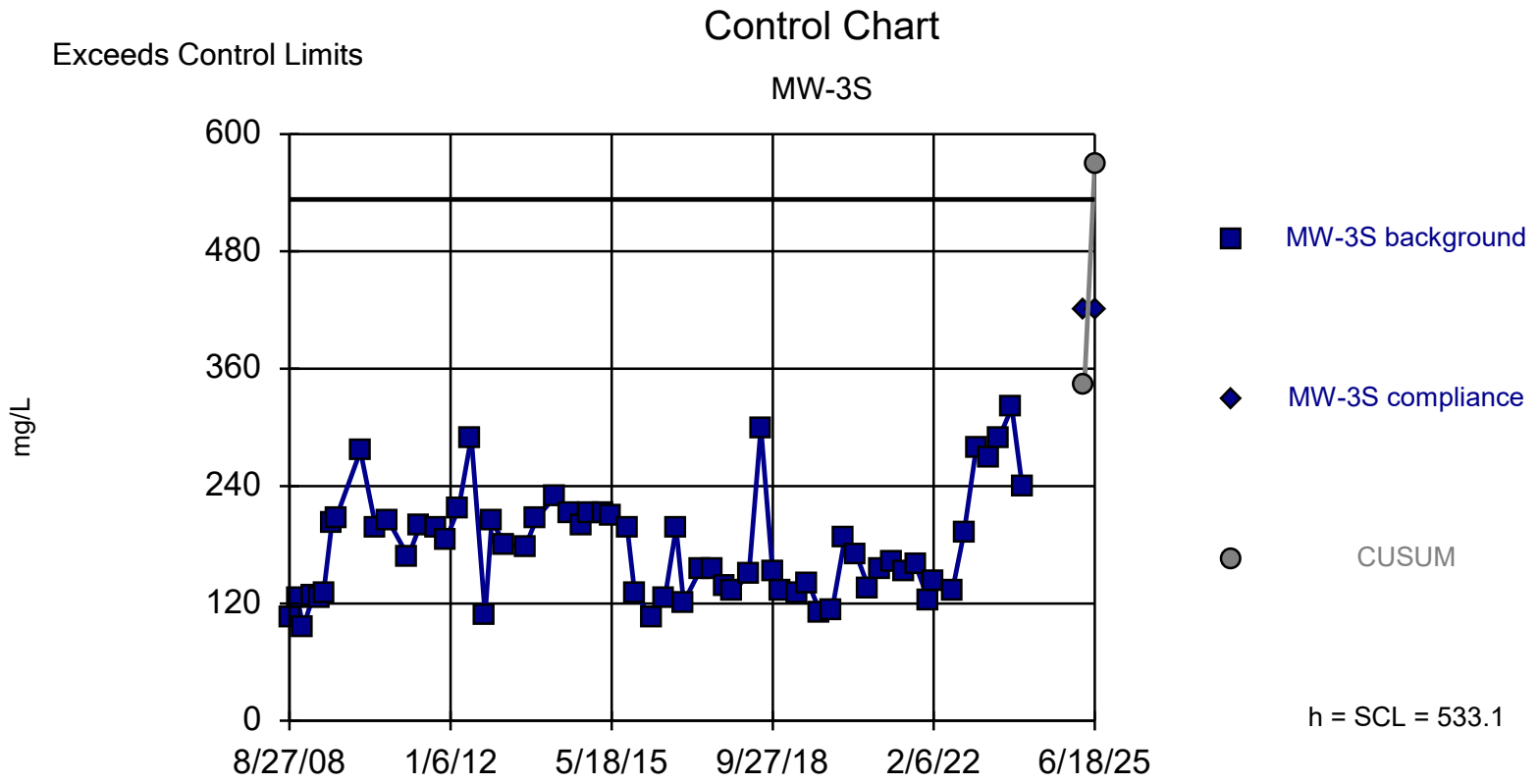
Hollow symbols indicate censored values.



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 = 0.000016. Dates ending 12/12/2023 used for control stats. Standardized h=5, SCL=5.

Constituent: Sulfate Analysis Run 7/15/2025 12:28 PM View: 2025 Control Charts - 2008-2023 backgroun

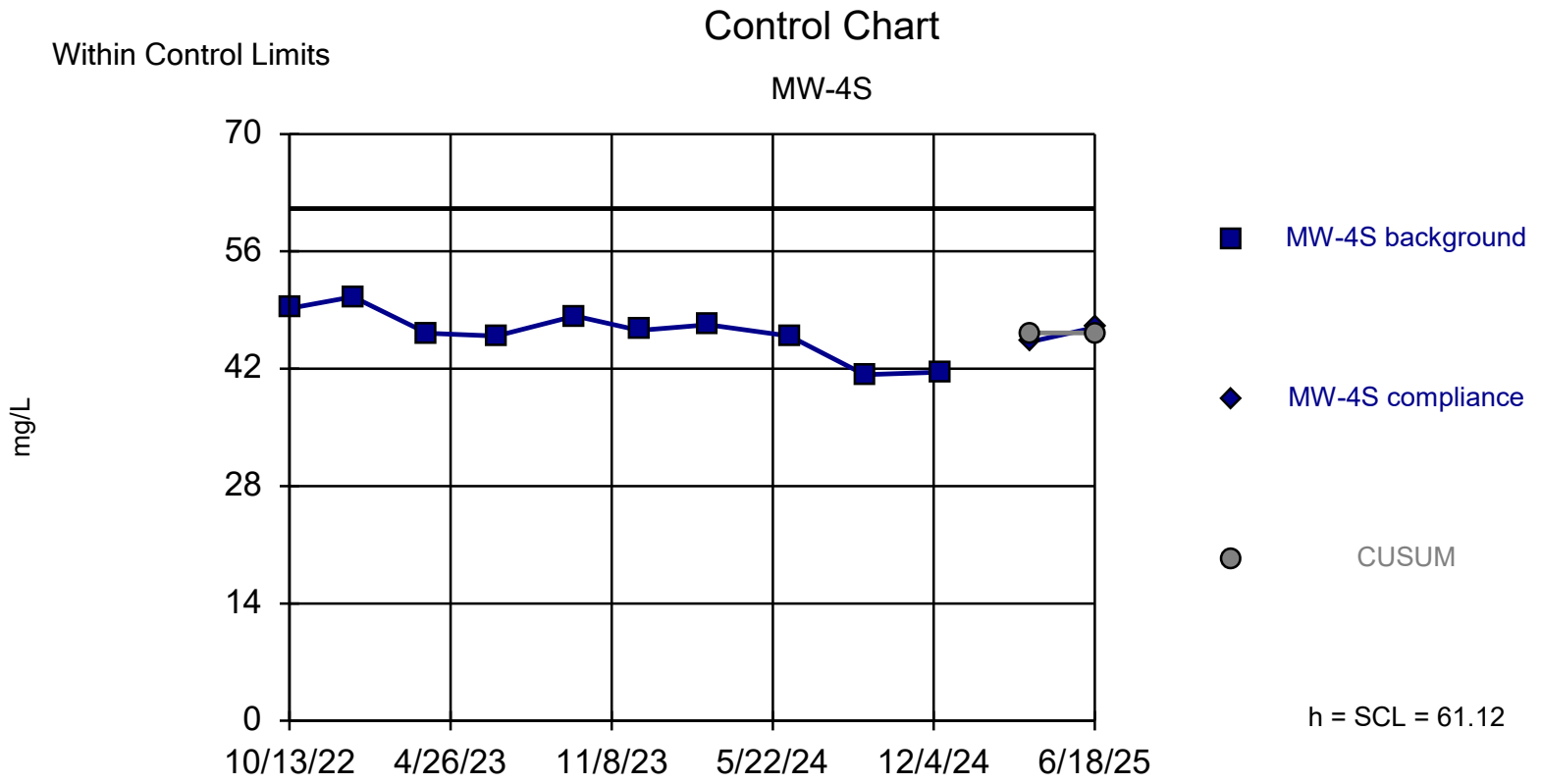
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



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 = 0.000012. Dates ending 12/12/2023 used for control stats. Standardized h=5, SCL=5.

Constituent: TDS Analysis Run 7/15/2025 12:28 PM View: 2025 Control Charts - 2008-2023 background

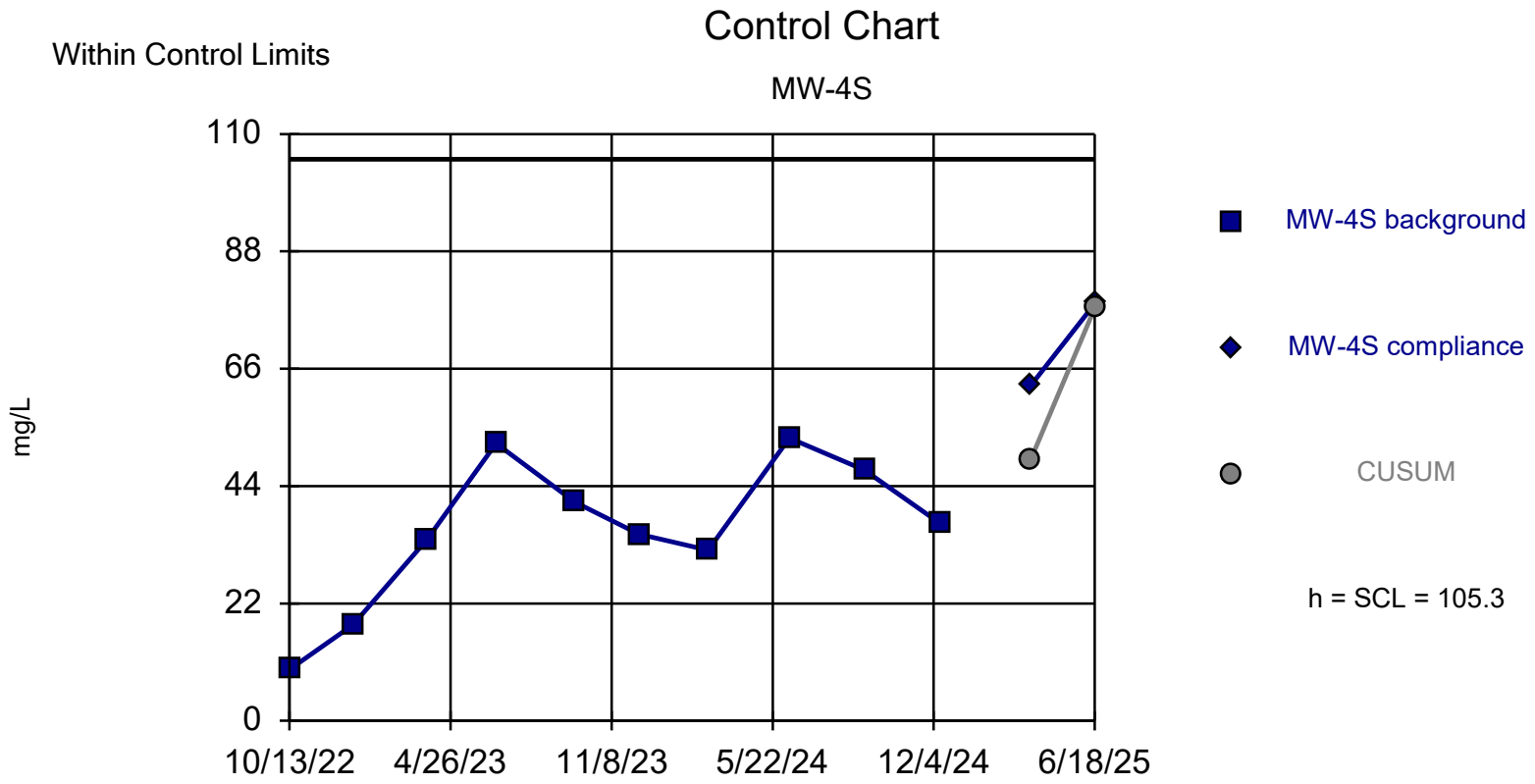
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



Background Data Summary: Mean=46.28, Std. Dev.=2.968, n=10. Seasonality was detected with 95% confidence and data were deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9159, critical = 0.842. Report alpha = 0.000922. Dates ending 12/12/2024 used for control stats. Standardized h=5, SCL=5.

Constituent: Chloride Analysis Run 7/15/2025 1:02 PM View: MW-4S Initial Background Evaluation

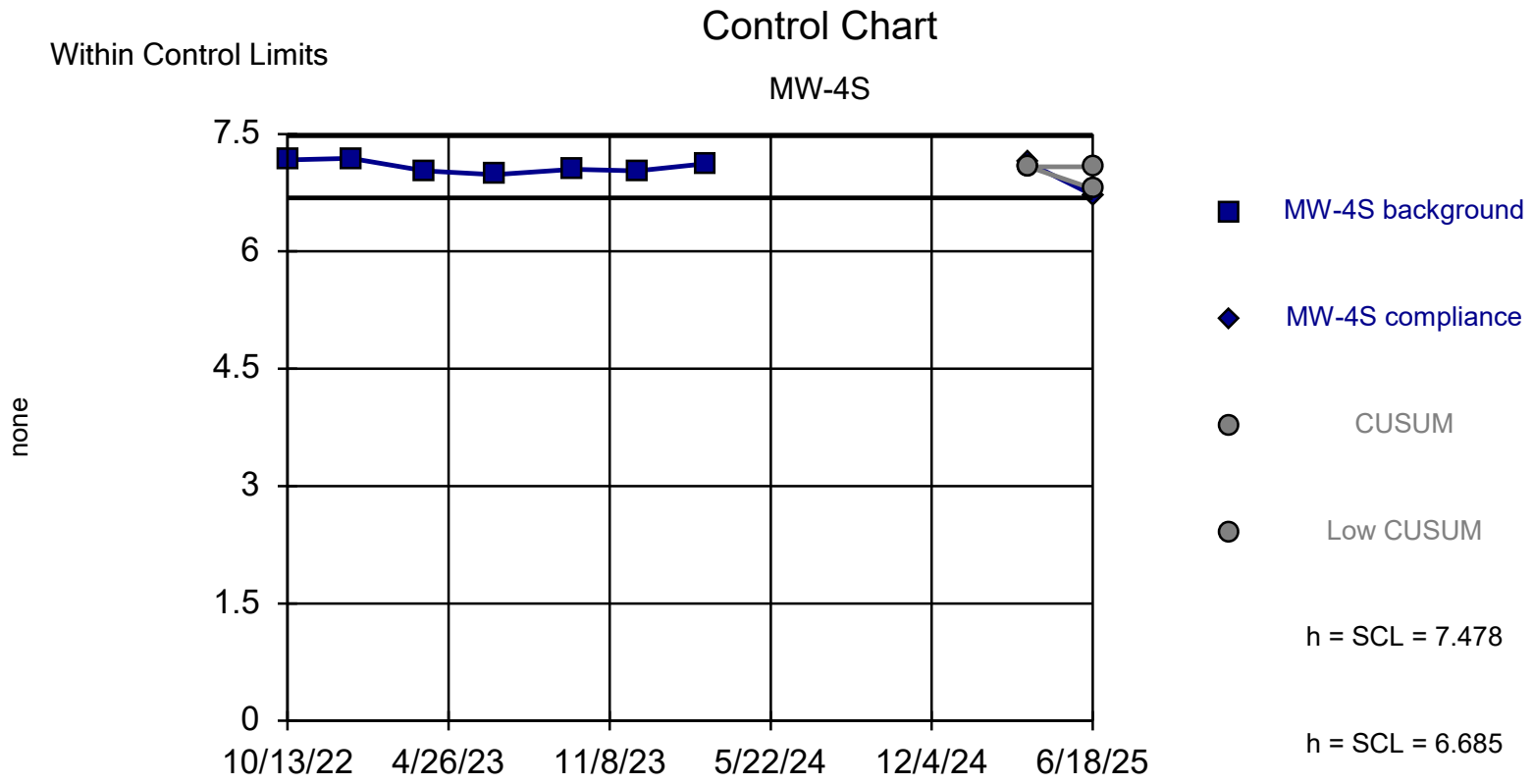
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



Background Data Summary: Mean=35.86, Std. Dev.=13.88, n=10. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9342, critical = 0.842. Report alpha = 0.000922. Dates ending 12/12/2024 used for control stats. Standardized h=5, SCL=5.

Constituent: Nitrate Analysis Run 7/15/2025 1:02 PM View: MW-4S Initial Background Evaluation

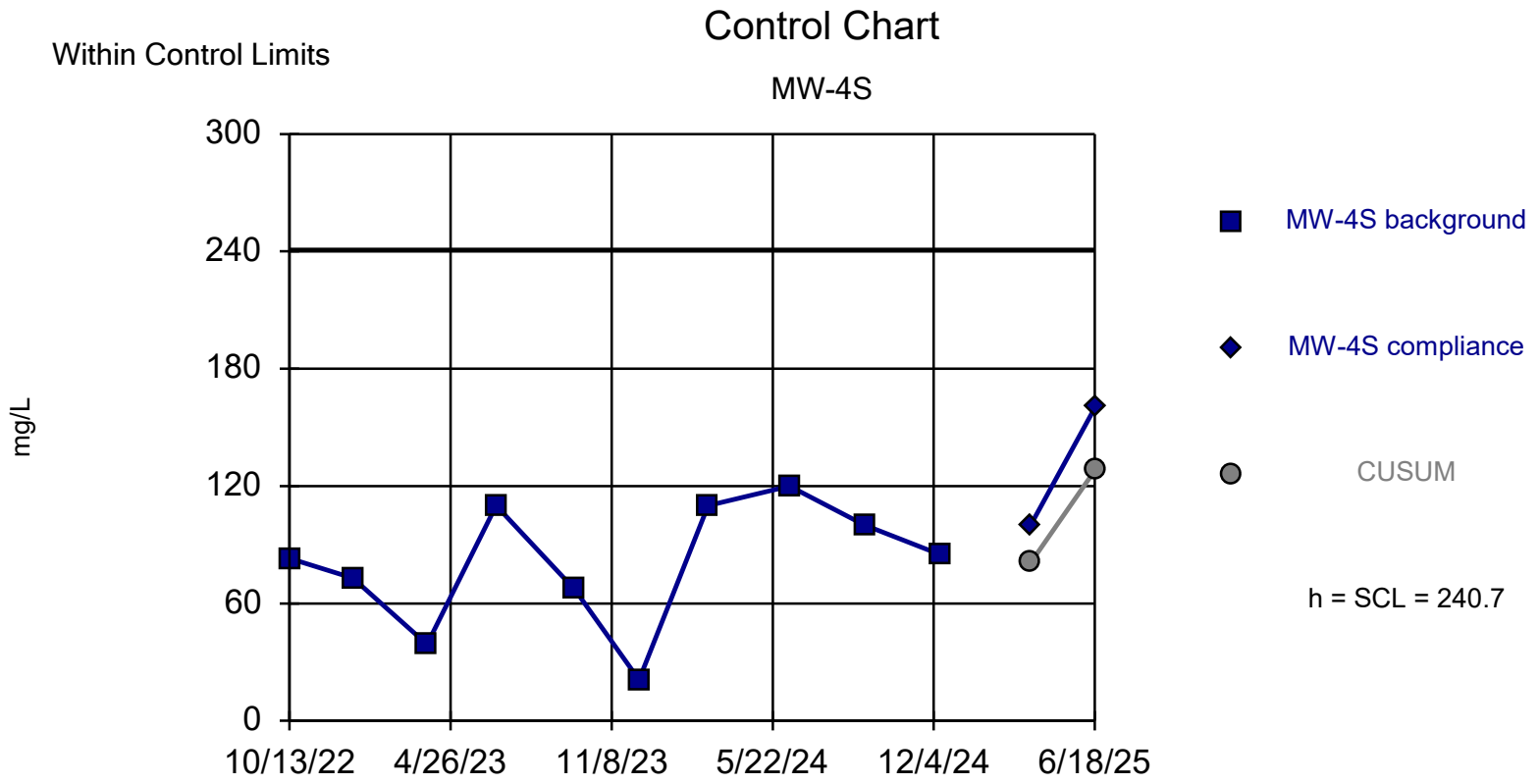
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



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 = 0.002932. Dates ending 3/5/2024 used for control stats. Standardized h=5, SCL=5.

Constituent: pH Analysis Run 7/15/2025 1:02 PM View: MW-4S Initial Background Evaluation

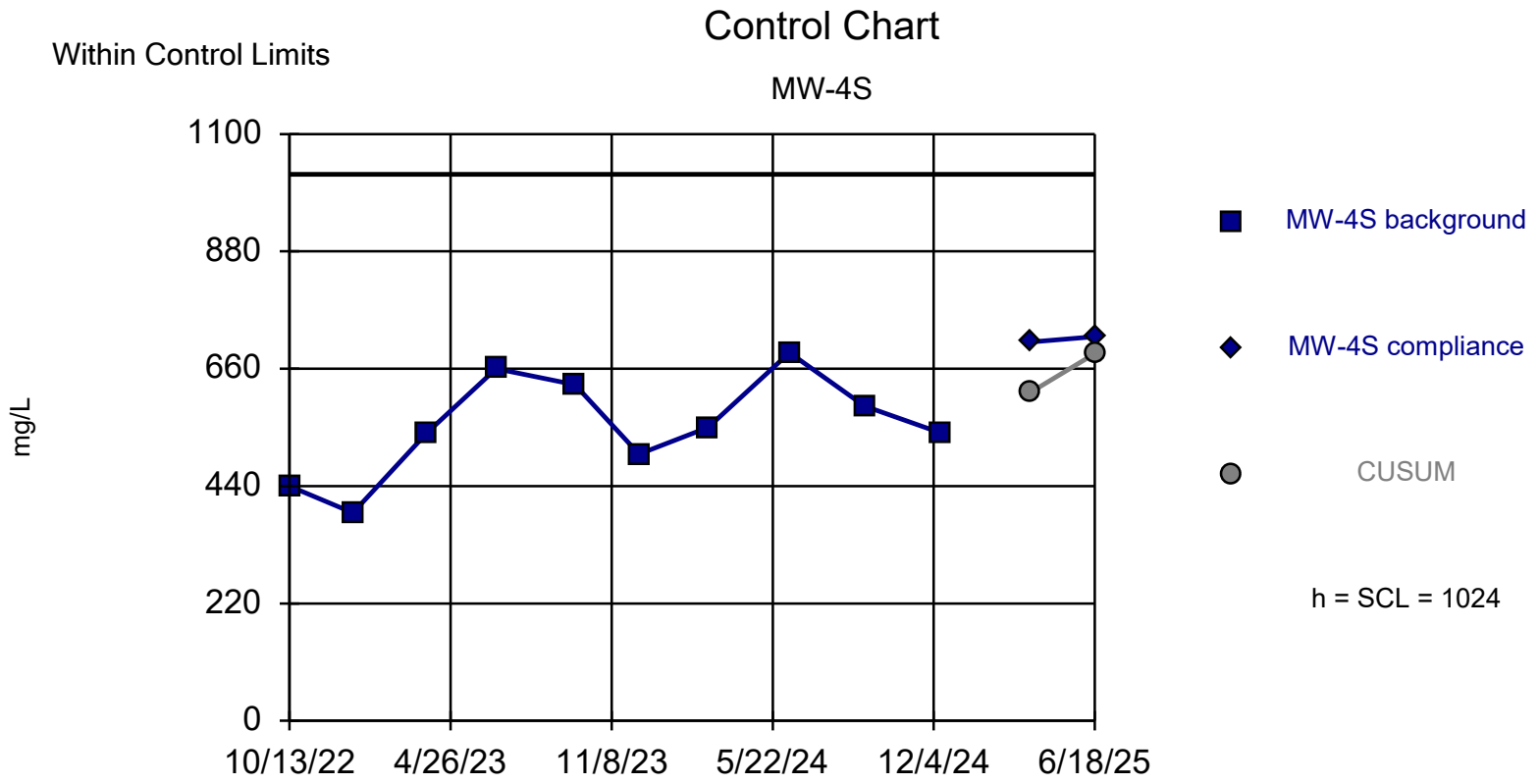
Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats



Background Data Summary: Mean=80.8, Std. Dev.=31.99, n=10. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9348, critical = 0.842. Report alpha = 0.000986. Dates ending 12/12/2024 used for control stats. Standardized h=5, SCL=5.

Constituent: Sulfate Analysis Run 7/15/2025 1:02 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. Seasonality was not detected with 95% confidence. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9724, critical = 0.842. Report alpha = 0.000986. Dates ending 12/12/2024 used for control stats. Standardized h=5, SCL=5.

Constituent: TDS Analysis Run 7/15/2025 1:02 PM View: MW-4S Initial Background Evaluation

Yakima Limited Purpose Landfill Client: DTG Data: DTG Yakima LPL Stats