

CEDAR HILLS REGIONAL LANDFILL

2025 ANNUAL REPORT

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King County
Department of Natural Resources and Parks
Solid Waste Division
waste prevention • resource recovery • waste disposal

2025 ANNUAL REPORT CEDAR HILLS REGIONAL LANDFILL

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SECTION 1 - OVERVIEW

The King County Solid Waste Division (SWD) owns and operates the Cedar Hills Regional Landfill (CHRLF) in eastern King County for the disposal of municipal solid waste (MSW) generated in the county, excluding the cities of Seattle and Milton. It is a 920-acre site located at 16645 228th Avenue Southeast, off Cedar Grove Road, approximately three miles north of the City of Maple Valley, six miles east of the City of Renton, and four miles south of the City of Issaquah. In addition to the landfill, the site contains Passage Point, a transitional housing facility; a landfill gas-to-energy facility previously owned and operated by Bio Energy (Washington), LLC (BEW), and acquired by King County in 2025; and rights-of-way for a natural gas pipeline and numerous power transmission lines.

In 2025, waste disposal continued in refuse Area 8 after having commenced in 2019. Authorization to begin accepting waste in Area 8 was granted on July 5, 2019, by Public Health-Seattle & King County (Public Health); a copy of their authorization letter is included in Attachment A. In addition, an Order of Approval was issued by the Puget Sound Clean Air Agency (PSCAA), dated July 2, 2019, under Notice of Construction Number 11307 authorizing SWD to begin operating Area 8.

This report includes a compilation of activity summaries and system evaluations associated with the following:

- Landfill capacity;
- Financial assurance cost estimates for closure and post-closure maintenance;
- Changes to landfill operations; and
- The environmental management program, including work with groundwater, stormwater, leachate, landfill gas, and odor management systems.

This annual report is submitted pursuant to the provisions of the Washington State Criteria for Municipal Solid Waste Landfills, Operating Criteria - Annual Reports - Washington Administrative Code (WAC) 173-351-200(11), and the Cedar Hills Regional Landfill Operating Permit, Section XII - Reporting Requirements, Part B - Annual Report and Permit Renewal Application. Municipal Solid Waste Permit PR0015736 was reissued to SWD for operation of CHRLF by Public Health on May 7, 2019, and authorizes activity through May 7, 2029. The permit was renewed via an addendum to the original permit, per WAC 173-351-750(3), on April 1, 2024, and authorized landfill operation (retroactively) from January 1, 2024, to December 31, 2024. Copies of the permit and addendum are included in Attachment A.

SECTION 2 – CHRLF 2025 INFORMATION

A summary of CHRLF 2025 waste disposal and recycling activities is included in Appendix B: *Annual Report Municipal Solid Waste Landfill*. This form is required by Washington Department of Ecology (Ecology) for submittal of this report.

2.1 CHRLF Operational Activities

Significant operations activities that occurred at CHRLF in 2025 include the following:

- Continuation of waste disposal in Area 8, begun in the summer of 2019.
- Continued regular use of the Byers Scientific Odor Control System
    - This system releases vapor that neutralizes odors emitted from Area 8, the active refuse cell.
    - For reference, the 2023 Analysis of Odor Complaints is included in Attachment G.
    - Based on the success of the initial pilot, operation of the system will continue in 2026.
    - In late 2025, SWD installed a second unit at the leachate lagoons.
- Deployment of 24 air monitors (e-noses) around Cedar Hills for monitoring in conjunction with the Byers odor control system. SWD staff are using the Envirosuite software system to manage the data and analyze long-term trends in the data collected from the odor monitors around the landfill and leachate lagoons.
- Completion and installation of a compressor shed at the NFS to properly cover and maintain equipment.
- Monthly use of "sniffer drone" technology in sitewide flights to collect additional surface emissions data for further analysis and improved operational efficiencies.

2.2 CHRLF Construction and Regulatory Activities

Significant construction and regulatory activities that occurred at CHRLF in 2025 included the following:

- Repair and maintenance of the North Flare Station (NFS) flares.
- Flare emissions testing and ambient air monitoring was conducted in July 2025 to meet requirements of a November 2023 Administrative Order issued by PSCAA requiring the evaluation of arsenic emissions from CHRLF.
- Construction of Area 8 Stage 1 Closure began in May 2025. Work focused on installation of the engineered final cover system, landfill gas and leachate infrastructure, and slope

stabilization features. Activities included placement of screened embankment material; installation of side slope collectors on the west, east, and south slopes; installation of a 72-inch dissipater vault; drilling and connection of 16 vertical landfill gas wells; and installation of a 60-mil geomembrane liner over the geosynthetic clay liner and composite drainage net on all three slopes. Vegetative soil placement and hydroseeding were completed on the west and east slopes, along with installation of associated landfill gas, leachate piping, and wellhead and control assemblies. As of the end of 2025, Area 8 Stage 1 Closure construction is estimated to be approximately 90 percent complete, with remaining work due to be completed by second quarter of 2026.

- Construction of the Area 9 excavation began in May 2025. Work focused on mass excavation, site preparation, and demolition activities. Excavation, hauling, and disposal of Area 9 soils advanced to approximately 35 percent completion. Drilling activities associated with groundwater monitoring well and landfill gas probe decommissioning was performed, with limited over-drilling of a landfill gas probe remaining. Demolition and salvage of three buildings was completed, representing approximately 12 percent of total demolition work, while demolition of associated electrical facilities was completed, representing approximately 25 percent of total demolition activities. Stormwater system installation and treatment measures are ongoing and are approximately 40 percent complete. Temporary site facilities were established, including five office trailers and two restroom units to support onsite staff. In addition, approximately 22,000 cubic yards of screened embankment material were stockpiled for future SWD use, representing approximately 20 percent of the contract quantity. Overall, Area 9 Excavation construction was estimated to be approximately 20 percent complete at the end of 2025.

- Construction for the CHRLF Onsite Relocation Project commenced in July 2025. Work focused on enabling temporary relocation of operational facilities and initiating site and infrastructure improvements necessary to support ongoing landfill operations.

    - South Operations Area:

    Construction activities were performed to support the relocation of facilities within the South Operations Area. Tenant improvements were initiated for Modular Buildings #1 and #2. Modular Building #11 was relocated to the North Flare Station (NFS) area for tenant improvements and permanent placement. Preparation of Modular Buildings #29 and #48 relocation to the NFS area began.

    - North Flare Station Area:

    Construction activities included installation of temporary IT connections, setup of a temporary calibration trailer, and installation of a temporary trailer for North Flare staff. The existing calibration trailer was demolished and onsite containers were relocated to support construction sequencing. Modular Building #23 was vacated and relocated for tenant improvements. Civil construction activities included site clearing and construction of retaining walls 2 and 3. Site utility and storm drainage work is ongoing.

- The transfer truck parking area was moved to a new domiciling location located on a parcel owned by Cedar Grove Composting and leased by SWD. This move was necessary to allow Area 9 excavation. Construction of the truck domiciling location began in March 2025. Construction focused on preparing the location to domicile the existing fleet.

2.3 Acquisition of Landfill Gas-to-Energy Processing Plant

In August 2025, SWD acquired the landfill gas-to-energy facility formerly owned and operated by BEW, which is located on the property of CHRLF. The facility, now known as the Cedar Hills Renewable Gas to Energy (CHRGE) facility, had been shut down by the former operator in August 2023. The acquisition followed a negotiated settlement agreement that resolved prior litigation between King County and BEW and allowed King County to gain ownership and operational control of the facility.

Following the acquisition, SWD entered into a partnership with a third-party operator, ESI, which retained the existing onsite workforce to support continuity of operations, facility improvements, and day-to-day plant management. The CHRGE facility resumed production of pipeline-quality renewable natural gas in late September 2025 and operated through the end of the year. Plant condensate, which is generated during gas processing and is classified as dangerous waste, is being collected and hauled offsite to an approved disposal facility. An Order of Approval issued by PSCAA regulates air emissions from the plant operations. SWD continues to work with industry experts to evaluate and implement operational and infrastructure improvements both to the landfill and the processing plant to optimize landfill gas collection, processing efficiency, and long-term facility performance.

For the public, the acquisition provides both environmental and operational benefits. By capturing landfill gas that would otherwise be flared at the NFS, the CHRGE facility reduces greenhouse gas emissions and converts refuse-derived methane into renewable natural gas that can be delivered to the regional energy system, producing potentially enough energy to meet the natural gas needs of over 17,500 homes in King County. This renewable energy production helps offset the use of fossil fuels while supporting King County's climate and sustainability goals. County ownership of the facility also improves transparency, accountability, and local control over landfill gas management, while creating the potential for long-term operational stability and revenue to support solid waste management needs. SWD is currently evaluating environmental compliance programs at the plant to maximize the environmental and financial benefits for rate payers.

SECTION 3 - LANDFILL CAPACITY AND DEVELOPMENT STATUS

CHRLF has capacity remaining in three Refuse Areas: 3,487,430 cubic yards in the combined Areas 5 and 6, and 1,532,359 cubic yards in Area 8, as of the October 14, 2025, aerial flyover. Area 8 has a permitted capacity of 7,840,000 cubic yards. Capacities are calculated by comparing the difference between existing landfill contours and a design surface at completion. Attachment D contains documentation for calculating capacity.

Efforts are under way to optimize the use of this remaining built capacity. This includes decreasing the amount of airspace consumed by disposal through improved placement and compaction practices, recovering returned airspace due to settlement, and recycling efforts. The capacity available for disposal is also impacted by airspace consumed by daily soil cover over refuse and road construction in the active areas. Airspace available for disposal is increased through the use of tarps for alternative daily cover, recovery of rock used for roads, and mechanical compaction.

As the landfill ages, it settles, creating airspace that can be recovered for disposal. Settlement occurs due to consolidation and loss of mass from leachate and landfill gas (LFG) collection. As leachate and LFG are collected and removed from the landfill, additional airspace is gained. Soil surcharge (i.e., stockpiling clean soils on top of covered waste) is used to accelerate settlement. Areas 5 and 6 both currently have soils partially stockpiled over existing waste. This soil is intended for uses such as daily cover, road construction, or other onsite earthwork projects.

The table below presents current and planned capacity in cubic yards and tons by Refuse Area, as of October 22, 2024. These figures are based upon an airspace utilization of 1,600 pounds (lbs.) of refuse disposed per cubic yard (CY) of air space consumed, actual monthly tonnage disposed in 2025, and the average yearly tonnage forecasted through 2030. A conservative airspace utilization factor of 1,600 lbs./CY is based on historical densities achieved in previous areas at CHRLF. This density is also expected to be reached in Area 8 using current operational practices (compaction, daily cover usage, and rock recovery). See Attachment D for details.

Area	Remaining Capacity (cubic yards)	Remaining Capacity (tons)	Remaining Capacity (years)
8	1,593,837	1,275,070	~1.5
5 & 6	3,487,430	2,266,830	~2.7
Total	***5,081,267***	***3,541,900***	*~4.2*

Note: Remaining capacity based on the most recent aerial flyover of CHRLF on October 14, 2025.

The development status of the landfill is summarized in the table below. Closed Areas are Refuse Areas that have been closed in accordance with pertinent regulatory requirements and are not currently scheduled to receive additional waste. The Area 5 and Area 6 Top Deck surfaces have interim covers that will be maintained until the completion of the last remaining lifts.

STATUS OF LANDFILL AREAS

Landfill Area	Area Specific Information	
Main Hill	Status	Closed
	Exposed Surface Area	84.4 acres
South Solid Waste Area	Waste was removed from this area and relocated to Area 7.	
Southeast Pit	Status	Closed
	Exposed Surface Area	9.6 acres
Central Pit	Status	Closed
	Exposed Surface Area	9.6 acres
Area 2/3	Status	Closed
	Exposed Surface Area	22.2 acres
Area 4	Status	Closed
	Exposed Surface Area	22.2 acres
Area 5	Status	Interim closure
	Final Cover Surface Area	9.2 acres
	Top Deck Interim Cover Area	31.4 acres
Area 6	Status	Interim closure
	Final Cover Surface Area	25.2 acres
	Top Deck Interim Cover Area	30.1 acres
	Volume in Place	6,800,000 cubic yards
Area 7	Status	Final Closure (Pending)
	Final Cover Surface Area	9.1 acres
	Top Deck Area	17.4 acres
	Volume in Place	8,070,000 cubic yards
Area 8	Status	Active
	Liner Footprint Area	31.4 acres
	Volume in Place (as of Oct 14, 2025)	6,246,163 cubic yards

Note: Areas are net final cover plan view surfaces or as otherwise noted.

SECTION 4 - FINANCIAL ASSURANCE ANALYSIS

SWD maintains a Landfill Reserve Fund (LRF) account for new area development, closure, post-closure, and corrective action in accordance with WAC 173-351-600. The LRF receives monthly transfers from the SWD operating fund, based on a per-ton contribution rate, which, for 2025, was $16.96, with a total of $14,139,346 transferred. The LRF also receives reimbursements from limited tax general obligation (LTGO) bonds issued for qualifying LFR fund capital projects; the amount transferred in 2025 was $17,728,605. In addition to WAC 173-351-600 requiring the LRF to provide financial assurance for closure and post-closure care, King County Code (4A.200.390) requires the LRF to include funding for new area development costs.

The current LRF rate is based on a projected expenditures forecast, which is based on the current rate. Each year SWD reassesses the following items and calculates a new LRF contribution, based on the following items:

1) Updated tonnage forecast;
2) The current interest rate set by the King County Office of Economic and Financial Analysis (OEFA);
3) Updated projected costs in each future year for closure, new area development, and facility improvements;
4) Updated assumptions for future capacity development of the site and updated post-closure maintenance estimates; and
5) An adjusted post-closure maintenance (PCM) estimate.

The PCM estimate is annually adjusted for inflation. Based on a recommendation from the King County Auditor's Office, SWD uses the OEFA forecast for both the inflationary assumptions and likely future investment return interest rates. The current and forecasted return interest rates are included in Attachment E. The 2025 estimate indicates that $6,030,697 (2025 dollars) per year will be required to maintain the landfill for 42 years. The background for this year's estimate is included in Attachment E.

The PCM fund is based on the current estimate of 42 years for the landfill to reach functional stability, a status attained after closure, whereby there is little or no landfill settlement, leachate production, or landfill gas production and only custodial care is required, vs. the 30 years required by WAC 173-351 as a minimum for post-closure maintenance.

SECTION 5 - WASTE DISPOSAL QUANTITIES

The CHRLF received 833,688 tons of municipal solid waste in 2025. Detailed information can be found in Attachment B.

SECTION 6 - SUMMARY OF 2025 GROUNDWATER, STORMWATER, LEACHATE, AND LANDFILL GAS MONITORING PROGRAM AND 2026 PROPOSED ENVIRONMENTAL MONITORING PROGRAM

6.1 Summary of Groundwater Monitoring Program

The Groundwater Monitoring Program is described in the *Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill (2013,* SAP*)*, and *East Perched Zones Sampling and Analysis Plan (2015)*.

The groundwater monitoring network consists of wells completed in the shallow perched aquifers and deeper wells completed in the phreatic aquifer (Regional Aquifer). Perched aquifers are laterally and vertically discontinuous while the phreatic aquifer is considered a continuous aquifer below the water table.

Groundwater samples are collected from fifteen Perched Zone wells and thirty-two Regional Aquifer wells. Semi-annual sampling for cis-1, 2-dichloroethene, tetrachloroethene, trichloroethene, and vinyl chloride also occurs at well MW-54 pursuant to an EPA issued Administrative Consent Order relating to the adjacent Queen City Farms site. This sampling was previously also performed at MW-57, MW-58A, and MW-60, but was discontinued in the fourth quarter of 2025, following communications with EPA in September 2025. Although monitoring at MW-60 is no longer required for QCF purposes, SWD continues to sample MW-60 to evaluate its effectiveness as a replacement to monitoring well MW-100, which was decommissioned during Area 9 construction. Four offsite domestic water supply wells are sampled annually. Regional Aquifer well MW-69 is damaged and cannot be sampled, and, on a sporadic basis, wells go dry during the sampling process and cannot be sampled for water quality.

Groundwater data are evaluated for quality control, hydrogeologic conditions, and geochemical composition, and the groundwater quality results are compared with their respective regulatory standards. Field and laboratory quality assurance and quality control procedures are managed by specialized teams to ensure high quality data. Groundwater elevations are calculated and then modeled to determine the water table gradient, groundwater velocity, and flow direction for the continuous Regional Aquifer. The major chemical ion chemistry is evaluated to characterize the chemical evolution of the monitored groundwater, and the interpretation defines the water composition. Finally, analytical results are compared with site-specific, state, and federal benchmarks to help determine the water quality.

SWD has advertised a Request for Proposal (RFP) for Hydrogeological Services for CHRLF. The purpose of the project is to enhance and confirm the monitoring network systems and update the hydrogeologic report.

Groundwater data collected during the reporting year is presented in Attachment F.

6.2 Summary of Stormwater Monitoring Program

Industrial Stormwater General Permit The Stormwater Monitoring Program is described in detail in the SAP. The goals of this program include the following elements:

- Monitor the effectiveness of Best Management Practices (BMPs) per the Stormwater Pollution Prevention Plan (SWPPP) for the CHRLF site.
- Evaluate compliance with the Industrial Stormwater General Permit (ISGP) by performing monthly inspections.
- Identify and implement corrective actions proactively to prevent regulatory noncompliance or downstream impacts.

Stormwater discharges associated with industrial activities at CHRLF are regulated by the ISGP, which establishes monitoring requirements, benchmark values, and effluent limits for several parameters. Quarterly sampling is required for the following parameters where industrial stormwater discharges to surface water: biochemical oxygen demand (BOD), total suspended solids (TSS), ammonia (total as N), alpha terpineol, benzoic acid, p-Cresol (4-methylphenol), phenol, zinc (total), pH, turbidity, copper (total), oil sheen, and six polyfluoroalkyl substances (PFAS): PFOA, PFOS, PFHxS, PFNA, HFPO-DA, and PFBS. Field and analytical stormwater data are included in Part 7 of Attachment F.

2025 was the first year the ISGP required permittees who operate a waste management or remediation service (landfills, transfer stations, etc.) to sample stormwater discharges for PFAS. The 2025 ISGP does not have a benchmark or effluent limit for PFAS; the parameter is report-only. The ISGP will add sampling for another emerging contaminant, 6PPD-quinone, in January 2028.

In compliance with the ISGP, SWD collects quarterly monitoring samples from three locations where stormwater discharges to surface water:

- Monitoring Station N4: North end of the landfill. N4 monitors discharges to an unnamed tributary of McDonald Creek, which ultimately flows into Issaquah Creek.
- Monitoring Station SL3: Discharges to a conveyance/infiltration system along 228th Avenue SE near the entrance to the landfill. SL3 monitors discharges to roadside ditches along 228th Avenue SE and Cedar Grove Road SE. These ditches eventually connect to the Cedar River, although underlying geology is highly porous, resulting in the infiltration of stormwater discharging from CHRLF before it reaches the Cedar River.
- Monitoring Station GS1: South end of the landfill. GS1 monitors discharges to a designated King County wetland with palustrine forested, palustrine open water, and palustrine emergent wetland classes. This wetland does not contain key aquatic life uses.

Three additional monitoring locations were added under the 2025 ISGP and are located at infiltration structures where industrial stormwater discharges to groundwater. These locations are monitored only for PFAS compounds and are report-only, as they have no benchmark or effluent limit. The new groundwater discharge monitoring locations for 2025 are:

- Monitoring Station IS1: This station is the inlet to stormwater ponds in the southwest corner of the landfill. Stormwater that doesn't infiltrate at this location will eventually flow through GS1 before discharging to surface water.

- Monitoring Station IS2: This station is the body of the stormwater lagoon on the southeast corner of the landfill. Stormwater that doesn't infiltrate at this location will eventually flow through SL3 before discharging to surface water.

- Monitoring Station IN1: This station is the inlet to the siltation pond in the northwest corner of the landfill. Stormwater that doesn't infiltrate at this location will eventually flow through N4 before discharging to surface water.

Inspections are conducted monthly, and more frequently following intense storm events. The goal of monthly inspections is to identify possible illicit discharges, confirm compliance with the site's SWPPP, and assess the status and effectiveness of BMPs.

Construction Stormwater General Permit

The Surface Water Monitoring Program protects surface water quality by proactively evaluating and managing potential impacts from construction and land-disturbing activities within CHRLF. The program ensures compliance with the Construction Stormwater General Permit (CSWGP) and applicable water quality regulations and verifies the effectiveness of temporary and permanent erosion and sediment control measures.

Monitoring activities include inspections and sampling during active construction at least once per week and within 24 hours following significant storm events to evaluate site conditions and performance of erosion controls. Performance monitoring locations downstream of construction areas are used to assess environmental performance across multiple projects operating under a single permit. Post-construction monitoring is conducted to confirm soil stabilization and the effectiveness of permanent erosion control measures.

Under the CSWGP, monitoring includes analytical testing of turbidity and pH at the four stormwater discharge points listed below. Sampling for turbidity and pH is required at least once per week during periods of active construction. Because construction at CHRLF is occurring within a known area of refuse and contamination, additional monitoring may be required by Ecology.

- Monitoring Location O1: Located at the first catch basin downstream of the northwest siltation pond. Discharge flows to an unnamed tributary of McDonald Creek.

- Monitoring Location O2: Located at the first catch basin downstream of the northeast stormwater pond. Discharge flows to an unnamed tributary of McDonald Creek.

- Monitoring Location O3: Located outside the property fence along SE 228th Street, at the southeast corner of the facility. Stormwater infiltrates along Cedar Grove Road.

- Monitoring Location O4: Located at the southwest corner of the landfill. Discharge flows to a wetland along the southern property boundary.

6.3 Summary of Leachate Monitoring Program

SWD collects leachate samples at CHRLF for two primary purposes: characterization and compliance. Leachate characterization is a critical component of the ongoing groundwater contamination detection monitoring performed at the landfill. Leachate characterization also serves to assess pretreatment needs prior to discharge, and to evaluate the effectiveness of pretreatment. Characterization sampling includes nearly all of the analytes for which quarterly groundwater samples are analyzed, with a few exceptions or substitutions (e.g., nitrate + nitrite instead of nitrate as N). The characterization sampling also includes several analytes specifically related to wastewater characterization and treatment. Monthly characterization samples are collected at four monitoring locations: Leachate Effluent Pumping Station (LEPS), Leachate Vault 1A (which replaced the Leachate Aeration Pond Influent that was decommissioned and removed in 2018 with Area 8 construction), Pump Station 2A, and MH46N. Characterization results also support evaluation of optimal leachate pretreatment infrastructure for improved compliance.

Compliance samples refer to those collected to support compliance with Wastewater Discharge Permit No. 7842-04 specified parameters (for the period January 1, 2025, through December 31, 2025), issued by King County Industrial Waste (KCIW). Pursuant to Permit No. 7842-04, the self-monitoring frequency for arsenic is twice a week from LEPS. Monthly inorganic nitrogen (nitrate/nitrite as N and ammonia as N) monitoring is also conducted under Permit No. 7842-04. Sample analyte concentrations and leachate discharge flow data are used to calculate permit analyte loadings. Compliance is determined by comparing results to allowable limits specified in the permit.

SWD is required to report inorganic nitrogen concentrations, as well as calculate and report metals mass loading values alongside their respective concentration and flow values on the KCIW Self-Monitoring Report (SMR) form. SMRs are generated monthly and submitted to KCIW. SMRs for 2025 can be found in Attachment I. SWD also submits an *Annual Facility and Sampling and Monitoring Report* to KCIW detailing sampling and analytical results for all non-permit-required sampling and analysis, such as the characterization sampling described above.

In addition to compliance sampling and reporting, SWD has been conducting an ongoing investigation of characterization locations within the landfill leachate conveyance system since 2018, including historical leachate flows from Pump Station 1A, Pump Station 4, Area 5-6-7, and the seasonal flow from the contaminated stormwater (CSW) lagoon. In 2019, additional sampling locations and analytes were added to the investigation, including leachate flows from Area 8 and

condensate flows from the CHRGE facility. Collaboration with the University of Washington Civil and Environmental Engineering Department that began in 2018 also continues to support these investigative efforts.

Field and analytical leachate data are included in Part 7 of Attachment F.

6.4 Summary of Landfill Gas Monitoring Program

LFG monitoring is performed in accordance with provisions of WAC 173-351-200(4). In May 2024, Ecology adopted an additional rule: Chapter 173-408 WAC, Landfill Methane Emissions, with the purpose of this rulemaking to implement Chapter 70A.540 RCW.

A network of LFG monitoring probes has been installed at strategic locations and elevation intervals below the ground surface to monitor the potential presence of LFG in the subsurface vadose (unsaturated) zone outside of the footprint of the landfill refuse (see Attachment G).

According to WAC 173-351-200 (4)(a), the concentration of methane gas generated by the facility shall meet the following limits:

- The concentration of methane gas generated by the facility does not exceed 25 percent of the lower explosive limit (LEL) for methane in facility structures (excluding gas control or recovery system components).
- The concentration of methane gas does not exceed the LEL for methane (50,000 parts per million [ppm]) at the facility property boundary or beyond.
- The concentration of methane gases does not exceed 100 ppm by volume of methane in offsite structures.

There are two categories (defined by function) of LFG probes at the CHRLF:

- Migration Monitoring Compliance Probes (Property Line)
- Interior Monitoring Probes

Migration Monitoring Compliance Probes are primarily intended to verify that methane concentrations at the property boundary do not exceed 50,000 ppm in the subsurface vadose zone. There are 36 Migration Monitoring (Compliance) Probes at CHRLF. The installation history of the LFG monitoring probes at CHRLF was described in the 2005 CHRLF Annual Report. These probes are either single or multiple completion probes installed at different depths depending on subsurface geological formation, therefore there are 92 individual sampling locations for compliance probes. A figure showing the location of each migration monitoring compliance probe is included in Attachment G.

Interior Monitoring Probes are used to evaluate and manage the performance of the LFG collection system with respect to LFG composition (methane, oxygen, and carbon dioxide) and vacuum radius of influence. This information is used to adjust the LFG collection and conveyance system to

minimize the potential for LFG migration outside of the refuse footprint. There are 30 interior monitoring probes at CHRLF. The probes are either single or multiple completion probes installed at different depths depending on subsurface geological formation, therefore there are 51 individual sampling locations for compliance probes. A figure showing the location of each interior monitoring probe is included in Attachment G.

Migration and interior probe monitoring are performed both quarterly (in compliance with WAC 173-351), and monthly for operational indicators. Monitoring results are included in Attachment G. Results from LFG migration monitoring for 2025 are discussed in Section 8.4 of this report.

LFG surface emissions monitoring is performed in accordance with provisions of WAC 173-408-110. SWD, on a quarterly basis, performs instantaneous surface emissions monitoring (SEM) of the entire landfill surface documenting any menthane exceedance over 200 ppm and taking corrective actions over 500 ppm. Corrective actions include, but are not limited to, cover maintenance, well vacuum adjustments, or system infrastructure repair. Locations are marked and re-monitored within 10 calendar days; repeated exceedances may necessitate installation of additional well collection or alternative methane controls if the exceedance cannot be corrected within 120 days.

The *2025 Surface Monitoring Design Plan* for CHRLF establishes updated technology, performance, and procedural requirements to ensure compliance with Chapter 173-408. The plan defines standardized SEM procedures, documentation, reporting, and record-keeping practices, and provides a comprehensive framework for meeting all applicable regulations. It also identifies site-specific deviations from the new rule for which SWD has requested and received regulatory approval. Key updates to the SEM program include conducting monitoring across the entire site at 25-foot intervals (reduced from 100-foot intervals), tagging identified leaks, completing repairs, and re-monitoring within 10 and 20 calendar days.

Monitoring results are submitted to Ecology within two days of completing final site monitoring, and mapping is updated to document exceedance locations on a site topographic map. Additional details regarding these requirements and associated corrective actions are available in the *2025 Surface Monitoring Design Plan*.

SWD continues bi-monthly monitoring of each landfill gas wellhead connected to the extraction system to determine gauge pressure and ensure that wells are operating under vacuum. Wells are monitored for gas quality performance and to better optimize gas collection as well as monitor well temperature. Any abnormal well readings are reported to regulatory agencies as defined in the Cedar Hills Regional Landfill Air Operating Permit #10138.

SWD occasionally receives complaints regarding odors emitted from its facilities and takes these complaints seriously. Prevention is our most effective strategy. Consistent monitoring and investigations are means of odor mitigation at the landfill and inform new mitigation and prevention strategies. Specially trained staff conduct odor checks on weekdays and weekends five times per day across the landfill and four times per day in the surrounding neighborhoods, with two checks

occurring during the day and two at night. In addition to these regularly scheduled checks, trained staff monitor areas commonly associated with previous odor complaints.

6.5 Environmental Monitoring Program for 2026

Effective January 1, 2016, SWD implemented the SAP, as approved by Public Health and Ecology in 2015. The SAP outlines current monitoring programs designed to comply with the requirements of Chapter 173-351 WAC and other applicable environmental regulations and permits, including wastewater discharge permits and stormwater permits. Modifications to the SAP will occur only with prior approval of Public Health and Ecology.

SECTION 7 - SUMMARY OF LANDFILL PERSONNEL TRAINING PROGRAM

SWD implements a landfill training program ensuring that landfill personnel comply with the certification requirements of WAC 173-300-060. Employees with valid Solid Waste Association of North America Landfill Certification as Manager of Landfill Operations (MOLO) are listed in the table below.

MOLO Certifications

NAME	TITLE	DATE OF EXPIRATION
Scott Barden	Landfill Asst. Ops. Manager	Certified through 01/02/2027
Rusty Bogart	Landfill Gas Operator II	Certified through 01/11/2028
Shawn Carter	Transfer Stn. Asst. Ops. Mgr.	Certified through 01/02/2027
Tyler Fogelberg	Supervisor III	Certified through 05/12/2027
Diane Leedle	Supervisor III	Certified through 12/16/2028
Sam Medina	Equipment Operator	Certified through 07/15/2027
Mark Monteiro	DNRP Operations Manager	Certified through 06/08/2027
Jeff Elmendorf	Equipment Operator	Certified through 09/22/2028
Chris Castleman	Wastewater Trmt. Opr. - SIC	Certified through 09/28/2028
Bryce Brown	Landfill Gas Operator I	Certified through 12/12/2028
Jon Rawson	Project/Program Manager III	Certified through 07/06/2028
Eric Bird	Supervisor II	Certified through 06/22/2028

SECTION 8 - EVALUATION REPORTS

8.1 Summary of Emergency or Corrective Actions Taken in 2025

The following is a listing of emergency situations and corrective actions taken by SWD in 2025 to maintain compliant operation of the landfill.

8.1.1 Stormwater Corrective Action

ISGP

In 2025, CHRLF exceeded the ISGP quarterly monitoring benchmark for turbidity once at Monitoring Point N4 during a fall storm event. Staff investigated the cause of the elevated turbidity and identified the source as two uncovered stockpiles in Area 4 related to construction projects. Contractors covered the stockpiles with plastic tarping to stabilize them and prevent any additional runoff. After the stockpiles were fully stabilized, additional monitoring at N4 confirmed that turbidity levels returned to below benchmarks. Subsequent inspections and monitoring confirmed that turbidity levels upstream of N4 continued to remain below 25 Nephelometric Turbidity Units (NTU) throughout the winter season.

CSWGP

Since construction began in May 2025, all stormwater samples collected at each construction monitoring location have remained below the regulatory threshold of 250 NTU. Routine maintenance issues, such as uncovered stockpiles, were promptly identified and fully stabilized to prevent permit violations.

8.1.2 Wastewater Discharge Permit Corrective Action

On June 23, 2025, KCIW issued a Revised Compliance Order (RCO), which superseded and replaced a previous RCO and the original Assessment of Penalty and Compliance Order (CO) issued on December 21, 2018. This RCO changes compliance dates for the original CO, which addresses ongoing noncompliance with arsenic and chromium mass loading limits in the wastewater discharge from CHRLF and provides an outline of actions to be taken.

SWD's continuing response includes research and development of feasible engineered alternatives to reduce metals loading below permit limits using source control and treatment technologies. SWD continues to conduct arsenic treatability studies to evaluate treatment technologies for arsenic removal in leachate and condensate. SWD conducted a pilot study of a membrane bioreactor to evaluate the reduction of organics load in leachate, serving as a pre-treatment system for removal of arsenic. The pilot study was completed on November 24, 2025, and the results will inform the selection of additional treatment. SWD began conducting bench-scale physical and chemical treatment on December 22, 2025, to evaluate the removal of arsenic through advanced oxidation and iron precipitation. The results will determine if the technology can deliver sufficient arsenic removal to meet discharge compliance requirements.

For condensate treatment from the CHRGE facility, SWD performed laboratory-scale treatability trials using micro-electrolysis (ME) technology. This technology has been under study by the University of Washington for the past several years and the pilot-scale design was completed by the project consultant WSP. A pilot-scale ME system is in design.

SWD is currently developing an engineering report for pretreatment of both the leachate from the landfill and the wastewater discharge from CHRGE to meet compliance requirements. The engineering report will provide the timeline for implementation of the selected pretreatment process.

Sampling results indicate that 2025 wastewater discharges generally met discharge limits, but there were several months when SWD exceeded the permit limit for arsenic loading. In accordance with permit requirements, these exceedances were reported to KCIW using its 14-day report protocol, with explanation of the cause(s) of the exceedances, corrective actions taken to respond to the exceedances, and assurance as to ongoing compliance and resampling, as applicable. KCIW issued five notices of compliance for samples collected by KCIW from the CHRLF leachate discharge location on May 13, May 14, June 4, September 18, and November 26, 2025. SWD is obligated to implement corrective actions specified in the RCO issued by KCIW on June 23, 2025. The development and implementation of corrective actions outlined in that document continue.

SWD employs operational practices designed to minimize arsenic loading exceedances. This includes self-imposed limits on the volume of leachate discharged daily based on recent arsenic concentration data. Seasonal variations in precipitation greatly affect SWD's ability to manage wastewater on site using existing capacity, which increases the risk of exceeding the arsenic loading limit during wet periods. KCIW sent multiple communications to SWD regarding permit limits, which are described below. These include a notice of violation (NOV), multiple warning letters, and the closeout of a previous NOV with no further action.

April

On April 24, 2025, KCIW sent a NOV for arsenic mass loading on samples collected by KCIW on November 7, 2024, and February 20, 2025.

July

A warning letter was sent on July 22, 2025, from KCIW for seven exceedances of arsenic mass loading, as reported in the May and June Self-Monitoring Report submitted by SWD.

September

A warning letter was sent on September 2, 2025, from KCIW for three exceedances of arsenic mass loading and two samples for soluble sulfides, as reported in the July Self-Monitoring Report submitted by SWD. Due to a dissolved sulfide exceedance on July 29, SWD made the decision to change the aeration schedule for the lone operating aerator in the west lagoon from 0700-1900 hours to 0000-1200 hours. Although this appeared to be somewhat effective, a second dissolved sulfide exceedance occurred on July 31. After confirming that leachate levels were sufficiently low

in the lagoons, SWD decided to forgo discharge on August 8 to increase the duration of aeration prior to discharge. The testing done for dissolved sulfide on August 7 and 12 demonstrated sufficient aeration was achieved. Air monitoring started on July 30 for hydrogen sulfide gas at our compliance point at A9002, as directed by KCIW, and results showed discharges compliant with permit limits. SWD received a replacement aerator on August 8 and replaced the nonworking aerator in the west lagoon on August 21. This ensured adequate aeration of both lagoons for sustained compliance with dissolved sulfide limits.

October

A warning letter was sent on October 7, 2025, from KCIW for failure to collect one sample of arsenic during the week of August 3 to 9, 2025, as evident in the Self-Monitoring Report submitted by SWD. This was attributed to ineffective communication during a period of nonstandard operations while one aerator was down and may have been a factor contributing to the exceedance. SWD reviewed and improved internal communication processes for planning discharges throughout the week. Preliminary changes have been implemented and SWD will continue to consider additional improvements over time.

December

On December 26, 2025, KCIW sent a No Further Action Required notice for an NOV, sent to SWD dated June 14, 2022.

There were no other corrective actions regarding the wastewater discharge permit in 2025.

8.1.3 Public Health Inspection Reports and Corrective Actions

In 2025, Public Health inspected CHRLF 10 times. The only violations noted in the inspection reports pertained to the need to control litter. Public Health also made some overall recommendations, primarily for improving litter control, odor control at the leachate lagoons and active face, clearly labeling extraction wells, addressing maintenance needs in ditches, and bird control measures at the active face.

Corrective actions were taken in response to both the violations and observations made by Public Health, including routine and enhanced efforts for maintenance activities, such as litter collection, odor control, and maintaining roads and ditches.

8.1.4 Title V Air Operating Permit Deviation Reports

Failures to comply with requirements of Title V Air Operating Permit #10138 must be self-reported to PSCAA in the form of deviation reports. Title V deviation reports in 2025 included the following:

January

Routine monitoring identified elevated temperatures at dual-phase well A5VW0003 and an Area 4 horizontal well (4W120119). A5VW003 has continuously elevated temperature readings and was

under investigation for root-cause analysis during the month of January 2025. The Area 4 well indicated a temporary temperature increase after being briefly opened to demonstrate vacuum influence and is located downstream of a well with prior elevated temperatures.

In addition, during investigations over the month of January 2025, the wellhead at A7VW0010 was inadvertently damaged. The well was immediately capped and covered overnight and repaired the following day when parts were made available; a single elevated temperature reading occurred due to gas pressure buildup and quickly resolved following the repair.

An additional elevated temperature was briefly observed at an Area 8 well (A8L5H10N) when it was opened to assist with odor control on January 31, 2025; the well was shut off as soon as odor was mitigated and returned to compliance.

February

Routine monitoring indicated continued elevated temperatures at dual-phase vertical well A5VW0003 and the Area 4 horizontal well (4W120119). A5VW0003 remained open to maintain minimum vacuum conditions and prevent positive pressure, while 4W120119 was closed to reduce elevated temperatures. Investigation activities continued, and both wells were monitored daily.

March

Routine monitoring again found elevated temperature readings at dual-phase well A5VW0003, which remained open to maintain minimum vacuum conditions and prevent positive pressure.

A single surface emissions exceedance was identified on March 25, 2025, near landfill gas collection well CHEGL059. The exceedance was caused by a failed seal and damaged fitting, which were repaired the following day, and the well was returned to compliance.

April

Routine monitoring showed continued elevated temperatures at the dual-phase well A5VW0003. The well remained open to maintain minimum vacuum conditions and prevent positive pressure. Daily monitoring and ongoing investigation into the root cause of the elevated temperatures continued, consistent with actions in previous months.

May

Routine monitoring showed continued elevated temperatures at the dual-phase well A5VW0003. The well remained open to maintain minimum vacuum conditions and prevent positive pressure. Daily monitoring and ongoing investigation into the root cause of the elevated temperatures continued, consistent with actions in previous months.

Additional elevated temperatures were observed at single wells in Areas 4, 7, and 8. These increases were attributed to operational errors during training with new staff, when wells were left open longer than intended. All affected wells were adjusted within a few days of learning of the error and

returned to normal operating conditions, and ongoing monitoring and updated training of staff was conducted.

June

Routine monitoring continued to show elevated temperatures at the dual-phase well A5VW0003. Elevated temperature was again observed at Area 4 horizontal well 4W120119 after it was temporarily left open to allow condensate to drain; temperatures returned to normal once the well was properly closed. Daily monitoring and ongoing investigation of root-cause analysis of the elevated temperatures continued for both wells.

July

Routine monitoring continued to show elevated temperatures at the dual-phase well A5VW0003. Elevated temperature was again observed at Area 4 horizontal well 4W120119, caused by temporary pressure relief; the well returned to normal operating conditions once closed a few minutes later. A5VW0003 continues to remain open to maintain minimum vacuum conditions and prevent positive pressure.

A few anomalous elevated temperatures were also observed in July 2025 at wells in Area 7 and a newly installed well in Area 8 (A7L0503E, A7L0508E, A7L0509E, and A8L4H07S). The Area 7 wells, all from the same lift, were believed to be affected by exothermic heat generated from older refuse that was previously relocated and reburied on lift 5, with exposure to the atmosphere contributing to increased activity and heat. The Area 8 LFG showed elevated temperatures likely due to residual oxygen in the recently created lift, creating a temporary heat-intensive environment. All affected wells were closed and returned to compliance, and the Area 8 well now operates normally. The Area 7 wells are now operated minimally and under higher observation.

August

Routine monitoring continued to show elevated temperatures at the dual-phase well A5VW0003. The well continues to remain open to maintain minimum vacuum conditions and prevent positive pressure.

Area 4 horizontal well 4W120119 also had a single exceedance. A root cause analysis submitted in June 2025 identified a balancing effect between 4W120119 and vertical well A4VW0002, which experienced elevated temperatures at the time of installation. The horizontal well was closed to prioritize gas collection in the vertical well, and temperature and CO monitoring confirmed minimal to no subsurface oxidation is likely to be occurring. Continual monitoring of both wells' performances will be conducted in the future.

Area 7 well A7L0508E was momentarily opened during routine monitoring to demonstrate vacuum influence, resulting in a temporary temperature increase, likely related to residual refuse from the former South Solid Waste Area. Area 8 well A8L4H07S also had elevated temperatures while being opened and utilized for odor control. All wells were returned to normal operating conditions after being closed.

September

Routine monitoring continued to show elevated temperatures at dual-phase well A5VW0003. The well was fully closed to see if the heat would subside; additional observation of surrounding wells in the area began and no increase in gas temperatures was noted in those wells.

A new elevated temperature was observed at Area 7 landfill gas well A7L0707E. The increase was a single event and is likely related to residual refuse from the former South Solid Waste Area but was unable to be replicated, so it may have been an anomalous reading. Both wells were returned to normal operating conditions following monitoring, and the high temperature was not noted again in A7L0707E.

October

Elevated temperatures were observed at two landfill gas wells. Area 7 well A7L0503E experienced one instance on October 23, 2025, after being opened to relieve a pocket of gas buildup.

Area 8 well A8L3H02N showed a single elevated temperature on October 2, 2025, to control for odor in the active cell; no further issues have been observed since Phase 1 closure of the area, which took place through the fall of 2025, and which aids in limiting air intrusion. Both wells were returned to normal operating conditions.

November

Area 4 horizontal well 4W120119 had a single temperature exceedance on November 20, 2025, due to an operational error; the operator was not aware the well should remain closed with gas collection being prioritized through A4VW0002. Updated protocols and improved coordination with staff have since been implemented to prevent recurrence.

December

Routine monitoring identified an elevated temperature reading at a newly installed Area 8 vertical well (A8VW0013) during its initial measurement on December 17, 2025, exceeding the 131°F threshold. The well was opened shortly thereafter, allowing gas to be collected, and the temperature immediately returned to compliance. The elevated temperature was attributed to landfill gas pressure build-up prior to the well coming online, and the well has remained in compliance since that time.

8.1.5 Independent Remedial Action

SWD is implementing an Independent Remedial Action in the East Perched Zone (EPZ) under the Model Toxics Control Act (MTCA) in accordance with WAC 173-340-510 and 173-340-515. SWD issued a Remedial Investigation/Feasibility Study (RI/FS) in December 2016. The 2018 infrastructure upgrades included the installation of six groundwater monitoring wells and two multi-completion landfill gas probes. EPZ Phase 1 Interim Actions were completed in June 2020. EPZ Phase 2 Interim Actions include optimization of extraction wells and continued monitoring in the EPZ.

SWD has advertised an RFP for Hydrogeological Services for CHRLF. Additional recommendations for actions in the East Perched Zone will occur once a consultant has been selected.

8.1.6 Area 7/8 Leachate Releases and Remedial Actions

In early January 2025, a persistent inflow of suspected leachate/groundwater mixture was observed by SWD Operational staff into a clean stormwater vault located along the west haul road through a failed grout seal. The observation was made during routine maintenance and inspection of the vault, in a period of dry weather that allowed access to the vault. The depth of the inflow point was about 10 feet below ground surface. The flow was entering the vault through the grout seal on the effluent discharge line from the vault. The clean stormwater vault is located adjacent to the interface of the southwest corner of Area 7 and northwest corner of Area 8.

After initial discovery, conductivity measurements of the vault inflow were taken to confirm the presence of leachate in the liquid. Results were higher than the meter range of 2,000 microMhos/centimeter (umohs/cm), confirming the likely presence of leachate outside the landfill cell(s) and in the native soils. The leachate release was reported to both Public Health and Ecology via the Environmental Report Tracking System (ERTS). The incident number assigned for this ERTS by Ecology is #736235. The duration and volume of leachate released is unknown.

SWD took the following interim actions for this incident:

- Immediately plugged and bypassed the clean stormwater vault to an adjacent condensate and contaminated storm water (CSW) access hole using a pump and generator system.
- Initiated a consultant work order to assist in the investigation of the landfill leachate release, and recommendations on strategy and design to stop the release to native soils.
- Procured a work order contractor to perform an investigation of the area adjacent to the leachate release, including excavating and hydro-vacuuming the impacted soils to expose the Area 7 cover and A8 liner system connections.
- Set up a long-term sump and bypass system to contain any additional release.
- Continued the investigation and identification of where the leachate release points of failure occurred.

In May 2025, work on Stage 1 Closure of Area 8 began, as the leachate release location resided within the contractor construction limits. The contractor was tasked to perform further investigative excavation work in the area where leachate release points were expected. Exposure of the geomembrane tie-in system between the Area 7 cover system and Area 8 bottom liner system allowed multiple release points to be identified and repaired. Further work by the contractor to cover the western side slopes of Area 8 fully encapsulated additional release points that were discovered. The cause of these additional release points remains unknown, although previous construction activities or on-going operational activities are suspected but not confirmed. The

contractor also performed a full sealing, regrouting, and cleaning of the impacted clean stormwater vault before discharge to the clean stormwater system was resumed.

The consultant performed field oversight and sampling of native soils during the investigation and repair of the leachate release points. Multiple native soil samples taken in July confirmed that excavated soils in the vicinity of leachate release points discovered during Area 8 closure were below regulatory standards, and no further cleanup actions were required. Soils in the vicinity of the original leachate release location at the clean stormwater vault still must be investigated and remediated. A project to address this cleanup is currently in development by SWD. This project is anticipated to be completed by the end of 2027.

In December 2025, the contractor discovered a small leachate leak from Area 7 flowing into the originally clean stormwater vault. The vault again was plugged and recleaned, while the leachate release was redirected to a temporary sump and pumped to the adjacent condensate and CSW manhole. Work to identify the source of release from Area 7 is in development using a consultant work order to identify recommendations for mitigation and repair. The leachate release continues to be redirected and pumped, until a permanent repair can be made to prohibit any additional release to clean stormwater.

8.1.7 Leachate Pipeline Releases and Remedial Actions

In 2024, SWD initiated evaluation and remediation work to respond to a release from the leachate conveyance pipeline that occurred near mile post 20 on the shoulder of northbound Maple Valley Highway/SR-169 on April 1, 2022. The report from the investigation was submitted to Ecology on May 22, 2024. SWD also initiated evaluation and remediation work to respond to a release that occurred on the north shoulder of Cedar Grove Road SE, east of the intersection with SE Lake Francis Road, on December 29, 2023. The draft report from this investigation was also submitted on May 22, 2024.

On January 11, 2025, SWD Operations staff noted bubbling in a puddle along SR-169 near mile marker 20, near a previous repair. Discharge to the leachate pipeline was shut off and work began to excavate to the leachate pipeline to access and repair the pipe. A previous backfill of controlled density fill (CDF) over a joint of the ductile iron pipeline caused displacement leading to the leak. The compromised section of pipe was cut, replaced, and the hole backfilled with a proctored material that satisfied Washington State Department of Transportation (WSDOT) road standards specifications.

8.18 MBR Spills and Responses

On February 24, 2025, SWD Operations staff observed a leak at the Membrane Bioreactor (MBR) Treatability Pilot Study skid and promptly contacted WSP, the engineering consulting firm which designed and operated the MBR system. The MBR pilot study is being performed to assist SWD in designing a pre-treatment system to remove arsenic from the leachate discharge and is located in the parking lot immediately to the north of the CHRGE facility. The release had escaped the secondary containment berm and was flowing onto adjacent paved areas and into a downgradient storm drain.

WSP was able to shut down most system components remotely and SWD Operations staff turned off power at the pilot main.

On the day of the incident, SWD Operations staff and WSP supported extensive cleanup efforts, including use of a vacuum truck to clean as much residual liquid from within the containment berm, the concrete en route to the storm drain, and within the storm drain as allowed by the length of the hose. All visible liquid was recovered, extensive wiping down of equipment was performed, and rags and other contaminated items were properly disposed.

After the cleanup effort, the root cause of the leak was determined. A hose on the defoamer spray pump recirculation line had failed. A two- to three-inch-long tear along the length of the hose was the source of the spray release. Based on the tank level when the system was shut down and the estimated quantities observed in the containment berm and on the concrete, cleaned up with the vacuum truck, WSP estimated that 200 to 300 gallons of liquid containing biomass and leachate was lost to the storm drain. As part of the MBR Treatability Pilot Study, WSP was sampling the influent and effluent water on a regular basis and was able to use data from a February 19, 2025, sampling event to confirm the spilled liquid was not hazardous and was below WAC and permit limits. Because some liquid made its way to the storm drain, SWD performed multiple conductivity tests, all of which showed the discharge within normal limits, leading SWD to conclude all spilled liquid remained on site.

Prior to resuming MBR Treatability Pilot Study operations, the system configuration was changed. Improved mitigation measures were confirmed to be functioning reliably. To further mitigate the risk for future spills, WSP increased their onsite presence and remote monitoring frequency.

8.2 Evaluation of Stormwater Monitoring Data

ISGP

CHRLF had one instance in 2025 where an ISGP quarterly monitoring benchmark limit was exceeded. A turbidity sample taken at Monitoring Station N4 had a reading of 74 NTU, exceeding the benchmark of 25 NTU. SWD staff completed a Level 1 Corrective Action, as required under the ISGP (see section 8.1.1 for details), and subsequent samples taken at the monitoring point were below the benchmark. SWD met the ISGP's quarterly benchmarks and effluent limits for all other samples during 2025.

Samples collected from all six ISGP monitoring points at CHRLF showed detectable amounts of PFAS compounds. The ISGP does not have benchmarks for PFAS and only requires reporting, but all samples were below EPA's Aquatic Life Criteria, which the identify highest concentration of specific pollutants in water that are not expected to pose a significant risk to the majority of species.

CSWGP

All monitoring activities and findings are documented in accordance with permit requirements. Since construction began in May 2025, no exceedances or noncompliance issues with the CSWGP were

identified. The minor issues observed were promptly addressed before they impacted the monitoring locations.

Stormwater monitoring results for the reporting period indicate that temporary erosion and sediment control BMPs were effective and functioning as intended. The highest turbidity measured during construction was 99 NTU. No sustained exceedances of the CSWGP turbidity benchmark of 250 NTU were observed, and all pH results remained within the allowable permit range.

Routine inspections identified minor BMP maintenance and corrective actions, which were implemented as needed and resolved in a timely manner. Overall, the site remained in compliance with CSWGP requirements throughout the reporting period, and stormwater discharges were effectively managed to minimize potential impacts to downstream receiving waters.

8.3 Evaluation of Groundwater Monitoring Data

Groundwater at the CHRLF occurs in two types of sediment reservoirs: glacial till and fluvial sediments. Shallow perched groundwater accumulates on top of lenses of low permeability, clay-rich glacial till that is surrounded by relatively permeable recessional outwash sediments. Since the glacial till is laterally and vertically discontinuous, the perched aquifers have limited storage area, do not flow, and do not contain significant volumes of groundwater. The deeper groundwater (Regional Aquifer) occurs below the unconfined water table, where the interglacial fluvial sediments are fully saturated. Groundwater in the Regional Aquifer has a large storage capacity and flows in response to changes in the volume of water in the aquifer.

Attachment F contains a certified analysis of the groundwater monitoring results for data collected from January through March 2025. There was a backlog of laboratory reports that began during the COVID-19 pandemic and compounded through 2025. The laboratory backlog resulted in delayed delivery of data to SWD. As a result of delayed data, Appendix F will only contain groundwater monitoring results from the first quarter of 2025.

8.3.3 Prediction Limit Exceedances

During 2025, SWD reported a 3-of-3 prediction limit exceedance for cis-1,2-dichloroethylene in upgradient monitoring well MW-59 during the first quarter, which was then confirmed during the second quarter, in accordance with retesting protocols described in the SAP. MW-59 is located on the south side of the CHRLF property and is monitored quarterly. Despite the prediction limit exceedances, cis-1,2-dichloroethylene concentrations at well MW-59 remain below the 70 micrograms/liter (µg/L) National Primary Drinking Water Standard.

MW-93 reported a 3-of-3 prediction limit exceedance for total arsenic in 2022, and these exceedances continued in each quarter of 2023; these prediction limit exceedances were below the National Primary Drinking Water Standards. During 2023, it was determined that well MW-93 should be redeveloped at regular intervals. SWD plans to accomplish the redevelopment under the Cedar Hills

Sitewide Hydrogeologic Report. There have been no further total arsenic exceedances at monitoring well MW-93.

8.4 Evaluation of Landfill Gas Monitoring Data

During 2025, no exceedance of the methane regulatory limit occurred in any of the compliance migration monitoring probes.

Methane was detected in multiple interior monitoring probes, ranging from two to four interior probes in each month of 2025 by more than 5 percent volume. Adjustments were made on an ongoing basis in more than 900 LFG wells inside the footprint of the landfill refuse to optimize collection of LFG. These extraction wells are upgradient from the above-referenced interior monitoring probes. Adjustments were made twice a month to ensure the containment of LFG within the footprint of landfill refuse. These adjustments were successful in preventing potential migration of LFG outside of the landfill refuse footprint, as demonstrated by the methane readings in the migration monitoring probes.

Additionally, no methane was detected inside any of the CHRLF facilities or in offsite facilities (Passage Point) at concentrations above 100 ppm (or 0.01 percent by volume). All LFG monitoring data for 2025 for the perimeter compliance probes, interior probes, migration probes, and building monitoring are included in Attachment G.

8.5 Evaluation of Wastewater Monitoring Data and Volumes Generated

Leachate collected throughout the landfill is routed to the onsite leachate lagoons, where it mixes with other sources of wastewater at CHRLF (e.g., contaminated stormwater, grey water, and sewage). Following aeration, the combined wastewater discharges to the King County sewerage system pursuant to the Waste Discharge Permit No. 7842-04 issued to SWD by KCIW.

8.5.1 Wastewater Volumes

The volume of wastewater discharged from the leachate aeration basins by way of the LEPS are recorded daily by SWD Operations staff. The actual leachate volume generated within the landfill is not measured directly.

The maximum allowed daily discharge volume for wastewater from CHRLF per permit 7842-04 is 2.7 million gallons per day. There were no exceedances of this permitted discharge volume in 2025.

8.5.2 Wastewater Monitoring Analytical Data

Waste Discharge Permit No. 7842-04 lists several effluent limitations and self-monitoring requirements. In 2025, wastewater monitoring analytical data indicated 26 exceedances of the total loading limit for arsenic, which is 0.27 pounds per day. There were also two instances of Total Soluble Sulfides exceedances during field testing in 2025.

All other results met permit-specified limits.

All wastewater and leachate monitoring analytical data is included in Attachment F. SMRs submitted to KCIW in 2025 are included in Attachment I.

8.6 Landfill Settlement

Settlement monitoring at CHRLF began in 1992, and, by 2005, seven monitoring locations had been established. More stations were added in 2007, while others have been abandoned because of operational impacts, including one station that was covered with Area 8 excavation soils in the summer of 2017. There are currently eight total settlement monitoring stations: PP-5, PP-6A, CONCBLK, PP-23A, A5SM-2, A4SM-3, AIRHUB, and PMX2015. Annual settlement, which is, in part, dependent on refuse thickness as well as time, has historically varied in a range of 0 percent to nearly 4 percent of total refuse thickness for different settlement monitoring locations over time. Settlement at all stations monitored in 2025 was minimal. It is anticipated that landfill settlement will continue, with older landfill areas settling at a comparatively lower rate than newer areas of disposed refuse.

Attachment A

Operating Permits

Environmental Health Services Division
401 Fifth Avenue, Suite 1100
Seattle, WA 98104
206-263-9566 Fax 206-296-0189
TTY Relay: 711
www.kingcounty.gov/health

Public Health
Seattle & King County

May 9, 2019

Pat McLaughlin, Director
Solid Waste Division
King County Department of Natural Resources and Parks
201 South Jackson Street, Suite 701
Seattle, WA 98104-3855

Dear Mr. McLaughlin,

RE: Reissuance of Cedar Hills Regional Landfill Ten-Year Solid Waste Handling Permit for 2019 through 2029

Please find the enclosed Cedar Hills Regional Landfill Ten-Year Permit for Solid Waste Handling from 2019 to 2029. This permit has been prepared through intense discussions and great contributions from multiple agencies including Washington State Department of Ecology, King County Solid Waste Division, Public Health – Seattle & King County, community organizations, and members. Public Health recognizes and thanks all who participated in the preparation of this permit.

Please note that we have made appropriate and required changes to the ten-year permit by adding a newly developed landfill cell known as Area 8. The Compliance Requirements section has been moved to the beginning of the permit document in Section IV. We will continue issuing an annual permit for each consecutive year covered under this ten-year permit. The annual permit will provide us an opportunity to remove completed tasks and add the new ones that need to be completed in the current permit year.

If you have any questions or concerns regarding the ten-year permit, please contact me at 206 263-2992 or via email at Darshan.Dhillon@kingcounty.gov

Darshan S. Dhillon
Health & Environmental Investigator III (Landfill Senior)
Solid Waste, Rodents and Zoonotic Program
Public Health Seattle King County
401 5th Avenue, Suite 1100
Seattle, WA 98104

CC: Joan Kenton, Environmental Compliance Coordinator, King County Solid Waste Division

Alan Noell, Solid Waste Engineer, Department of Ecology, Solid Waste Management Program

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Public Health
Seattle & King County

MUNICIPAL SOLID WASTE LANDFILL PERMIT
Cedar Hills Regional Landfill PR0015736

THIS PERMIT REISSUES THE EXPIRING MUNICIPAL SOLID WASTE LANDFILL (MSWLF) PERMIT FOR THE CEDAR HILLS REGIONAL LANDFILL (CHRLF), WHICH EXPIRED ON APRIL 9, 2019 AND WAS EXTENDED UNTIL MAY 9, 2019. PUBLIC HEALTH - SEATTLE AND KING COUNTY (PHSKC) IS REISSUING THIS PERMIT TO THE KING COUNTY SOLID WASTE DIVISION (KCSWD). CLOSED AND ACTIVE PORTIONS OF THE CHRLF SHALL BE MAINTAINED IN ACCORDANCE WITH THIS PERMIT AND ITS COMPLIANCE REQUIREMENTS, APPROVED PLANS OF OPERATION, CHAPTERS 173-304, 173-350, AND 173-351 OF THE WASHINGTON ADMINISTRATIVE CODE (WAC), AND TITLE 10 OF THE KING COUNTY CODE (KCC).

SECTION I. LANDFILL LOCATION AND CONTACT INFORMATION

LANDFILL TYPE	Municipal Solid Waste
LOCATION	16645 228th Avenue SE, Maple Valley, Washington 98038
LEGAL DESCRIPTION	Parcel Number: 212306-9016 (920 acres) North ½ of Section 28, Township 23, Range 6, Willamette Meridian and Section 21, Township 23, Range 6, Willamette Meridian, Except the Northeast ¼ of the Northeast ¼ thereof.
OPERATOR AND MAILING ADDRESS	Department of Natural Resources and Parks, King County Solid Waste Division 201 S. Jackson St., Suite 701, Seattle, WA 98104-3855
FACILITY CONTACT	Scott Barden, Assistant Operations Manager (206) 263-8863 Scott.barden@kingcounty.gov
TOTAL CAPACITY OF THE LANDFILL AND ELEVATION	The in-place volume of the landfill is 65,000,000 cubic yards and the remaining landfill capacity ranges from 10,850,000 to 12,140,000 cubic yards based on KCSWD's intention to develop remaining areas to a maximum final height of 788 feet above mean sea level.
EFFECTIVE DATE	May 7, 2019
DATE OF EXPIRATION	May 7, 2029
DATE OF ISSUANCE	May 7, 2019

PUBLIC HEALTH – SEATTLE & KING COUNTY
Patty Hayes, RN, MN, Director
Jeff Duchin, MD, Health Officer

By: Darrell A. Rodgers

Darrell A. Rodgers, PhD, MPH, EMBA, Director
Environmental Health Services Division
Public Health – Seattle & King County

SECTION II. AUTHORIZATION

A. The Permittee (KCSWD) is hereby authorized to conduct activities associated with landfilling of municipal solid waste in conformance with the general and specific conditions of this permit, on the basis of information supplied in the permit application. Solid waste management activities shall be conducted in compliance with Chapters 173-351 and 173-350 WAC (including demonstrations); Chapter 70.95 of the Revised Code of Washington (RCW); Title 10 of the KCC, as applicable; and all applicable federal, state, and local regulations (including state air quality, water quality, and noise regulations). In the event of conflict between local regulations, state regulations, and the conditions of this permit, the more stringent shall apply.

B. This permit is the property of Public Health – Seattle & King County (PHSKC) and may be suspended or revoked according to the terms set forth in Section XII(F) of this permit. If the permit is suspended or revoked, the Permittee may appeal the action according to the terms of this permit as presented in Section XII(B) of this permit, RCW 70.95.210, and WAC 173-351-760.

C. This permit is transferable only upon the prior written approval of PHSKC in accordance with Section XII(A).

D. This permit must be renewed annually. Renewal application must be submitted to PHSKC in accordance with Section XII(C).

E. This permit must be reissued on or before the expiration date after ensuring compliance with all applicable Acts, Statues, Regulations, Codes, and Ordinances.

SECTION III. LANDFILL AREA COVERED BY THE PERMIT

Landfill Area	**Area Specific Information**	
Main Hill	Status	Closed
	Exposed Surface Area	84.4 acres
	Volume in Place	18,300,000 cubic yards
South Solid Waste Area	Waste was removed from this area and relocated to Area 7.	
Southeast Pit	Status	Closed
	Exposed Surface Area	9.6 acres
	Volume in Place	405,000 cubic yards
Central Pit	Status	Closed
	Exposed Surface Area	9.6 acres
	Volume in Place	4,000,000 cubic yards
Area 2/3	Status	Closed
	Exposed Surface Area	22.2 acres
	Volume in Place	9,150,000 cubic yards
Area 4	Status	Closed
	Exposed Surface Area	22.2 acres
	Volume in Place	10,200,000 cubic yards

Landfill Area	Area Specific Information	
Area 5	Status	Interim closure
	Final Cover Surface Area	9.2 acres
	Top Deck Intermediate Cover Area	31.4 acres
	Volume in Place	8,400,000 cubic yards
	Potential Future Top Deck Filling	940,000 to 1,360,000 cubic yards
Area 6	Status	Interim closure
	Final Cover Surface Area	25.2 acres
	Top Deck Intermediate Cover Area	30.1 acres
	Volume in Place	6,800,000 cubic yards
	Potential future Top Deck Filling	970,000 to 1,840,000 cubic yards
Area 7	Status	Active
	Final Cover Surface Area in Place	9.1 acres
	Side Slope Intermediate Cover Area in Place	17.4 acres
	Open Area	36 acres
	Volume in Place	8,070,000 cubic yards
	Remaining Capacity	1,003,000 cubic yards
Area 8	Status	Construction & Permitting
	Liner Footprint Area	31.4 acres
	Volume in Place	0 cubic yards
	Remaining Capacity	7,840,000 cubic yards

Note: Areas are net final cover plan view surfaces or as otherwise noted.

SECTION IV. COMPLIANCE REQUIREMENTS

Pursuant to WAC 173-351-750(1), required tasks addressing compliance issues at the Cedar Hills Regional Landfill are listed and described in this section. Completion dates are included and compliance tasks are to be included in updated work plans. To remain in compliance with this permit, the permittee shall complete the tasks by compliance dates shown, unless Permittee applies for alternate date with justifications for the delay which are acceptable to PHSKC, and PHSKC approves an alternate date. Any instance of non-compliance will be deemed a violation of the permit, and may result in the issuance of one or more violation notices and/or permit suspension in accordance within RCW 70.95.210 and WAC 173-351-760.

The Operator shall comply with all of the compliance items stipulated below within specified period of time unless a time extension is approved by PHSKC. The compliance tasks and schedule related to approval of waste acceptance for Area 8 shall override the schedules in Section VII of this Permit, as described in Section VII(D).

TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
1	WAC 173-351-500(1)(b)	Submit Closure Plan to satisfy financial assurance documentation	October 2019
2	WAC 173-351-400, WAC 173-351-415, WAC 173-351-490	Update CHRLF Site-Wide Hydrogeologic Report with: • The new/decommissioned/redeveloped well information including revisions to cross-sections if necessary • Background concentrations of arsenic, iron, and manganese in the regional and perched zone aquifers. For the regional aquifer, calculate the upgradient concentrations at the southern end of the landfill property downgradient of Queen City Farms, and background concentrations.	December 2024
3	WAC 173-351-400, WAC 173-351-405	Install a replacement well for MW-70	December 2019
4	MTCA 173-340	Submit contaminated soil removal report from 2016 South Solid Waste Area (SSWA) waste removal.	December 2019
Area 8 Tasks - Prior to initial waste disposal in Area 8:			
5	WAC 173-351-200, WAC 173-351-300	Completion of Area 8 Facility Startup & Testing of the Leachate Collection System	Prior to initial waste disposal in Area 8
6	WAC 173-351-220	Installation of Driving Surface into base of Area 8	Prior to initial waste disposal in Area 8
7	WAC 173-351-200, WAC 173-351-300	Connection of the Area 5/6/7 leachate tie-in including: • Flushing and abandoning leachate bypass line, • Plug abandoned leachate bypass line, • Backfill two leachate manholes with controlled density fill (CDF) or aggregate and remove the structures to a minimum of 2 feet below top of subgrade. • Restore subgrade and compact.	Prior to initial waste disposal in Area 8
8	WAC 173-351-750(4)	Initial Construction Quality Assurance Report, including liner and leachate collection systems.	Prior to initial waste disposal in Area 8
9	WAC 173-351-750(6)	Letter of certification for Area 8 from the licensed professional engineer who supervised construction. Subsequently, the Washington Department of Ecology shall provide PHSKC with a letter of consent concurring that Area 8 is ready for waste acceptance and listing	Prior to initial waste disposal in Area 8

TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
		unfinished construction and CQA tasks and their schedule for completion in 2019 and 2020.	
Area 8 Tasks - The following work items are allowed to be deferred until after waste disposal commences in Area 8 and are to be completed in 2019:			
10	WAC 173-351-220	Installation and Startup of Vehicle Tire Wash at Entrance to Area 8	Prior to October 1, 2019 (beginning of rainy season) provided other stormwater Best Management Practices (BMPs) are implemented during storm events.
11	WAC 173-351-200	Patches to the liner system and testing of patched area using micro spike method around the Area 5/6/7 leachate tie-in.	Within 120 days of waste placement
12	WAC 173-351-200	Patch over Seep Control modification area in northeast corner of Area 8 and patch tested using micro spike method.	Within 120 days of waste placement
13	WAC 173-351-750(4)	Submission of the Final CQA report supplementing the Initial CQA Report and containing the CQA elements for the deferred work completed in 2019 including relevant record drawings.	Within 120 days of waste placement
14	WAC 173-351-750(6)	Supplemental Letter of Certification. The licensed professional engineer who supervised construction shall certify the completion of these deferred tasks in accordance with WAC 173-351-750(6).	Within 120 days of waste placement
Area 8 Tasks - Construction items deferred to 2020:			
15	WAC 173-351-750(4)	Submission and Approval of Plans and Specifications for the following items to be completed in 2020: • Construction of contaminated stormwater flap and landfill gas flap cover near the top of Area 8. • Construction of liner tie-in between Area 7 and Area 8.	Prior to waste reaching mid slope of Area 8
16	WAC 173-351-750(4)	CQA Report for tasks deferred to 2020 including record drawings.	120 days after construction of 2020 elements completed
17	WAC 173-351-750(6)	Letter of Certification. The licensed professional engineer who supervised construction shall certify the completion of these deferred tasks in accordance with WAC 173-350-750(6).	120 days after construction of 2020 elements completed

SECTION V. DEMONSTRATIONS

In granting this permit, PHSKC acknowledges the following successful demonstrations for MSWLF units have been made in the 2019 permit re-issuance application or in previous permit applications in compliance with Chapter 173-351 WAC. These demonstrations are made for CHRLF and are for the duration of this permit:

A. Location Restrictions: All of these were included in demonstrations for Area 8 and are also in application.

Demonstration	WAC Section	Demonstration Provided in documents below
Airport Safety	WAC 173-351-130(2)	• Regional GIS map within the 2003 Permit Application
Floodplains	WAC 173-351-130(3)	• FEMA floodplain map within the 2003 Permit Application
Wetlands	WAC 173-351-130(4)	• 2010 Environmental Impact Statement
Fault Areas	WAC 173-351-130(5)	• Area 8 Development and Facility Relocation Hydrogeologic Report (October 2014), • Cedar Hills Regional Landfill Area 7 Hydrogeological Report (February 2008), • Area 6 Phase II Development Engineering Report (2003), and • Cedar Hills Regional Landfill Hydrogeologic Report, Volume I (1999).
Seismic Impact Zones	WAC 173-351-130(6)	• CHRLF Area 8 Development Engineering Report (August 2017), • Area 7 Phase II Development Engineering Report (2008), and • Area 6 Phase II Development Engineering Report (2003).
Unstable Areas	WAC 173-351-130(7)	• CHRLF Area 8 Development Engineering Report (August 2017), • Area 7 Phase II Development Engineering Report (2008), and • Area 6 Phase II Development Engineering Report (2003).

B. Other Locational Restrictions: All of these were included in demonstrations for Area 8 and are also in application.

Demonstration	WAC Section	Demonstration Provided in documents below
Sole Source Aquifers	WAC 173-351-140(1)(a)	• CHRLF Area 8 Development Engineering Report (August 2017), • Final Sole Source Aquifer Petition for the Cedar River Aquifer, Renton, WA (1998).
Drinking Water Wells	WAC 173-351-140(1)(b)	• Cedar Hills Regional Landfill Area 8 Development Report (2008), and • CHRLF Area 8 Development Engineering Report (August 2017).
Surface Water Setback	WAC 173-351-140(2)	• CHRLF Area 8 Development Engineering Report (August 2017).
Land Use	WAC 173-351-140(3)	• CHRLF Area 8 Development Engineering Report (August 2017), and • Environmental Impact Statement for Cedar Hills Regional Landfill Site Development Plan (2010).

C. Performance Standards for Groundwater Monitoring System Designs:

Demonstration	WAC Section	Demonstration Provided in documents below
Performance Criteria	WAC 173-351-405	• Area 8 Development and Facility Relocation Hydrogeologic Report (October 2014), • Cedar Hills Regional Landfill Site-Wide Hydrogeologic Report (2004), • Cedar Hills Regional Landfill Technical Memorandum Phase I Investigations Groundwater Monitoring Well System Enhancements (2007), • Cedar Hills Regional Landfill Site-Wide Hydrogeologic Report Addendum (2013), and • Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill (2013).

D. Statistical Methods for Groundwater Monitoring

Demonstration	WAC Section	Demonstration Provided in documents below
Alternate Statistical Methods	WAC 173-351-420(2)(e)	• Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill (2013).

E. Financial Assurance Criteria

Demonstration	WAC Section	Demonstration Provided in documents below
Reserve Account for Closure and Post-Closure	WAC 173-351-600(5)(a)	• 2017 Annual Report (March 2018) Section 4.

F. Compliance with Latest Comprehensive Waste Management Plan

Demonstration	WAC Section	Demonstration Provided in documents below
Compliance with Latest Comprehensive Waste Management Plan	WAC 173-351-720(7)	Permittee is in compliance with the current Comprehensive Solid Waste Management Plan, which was approved in 2001. A new Comprehensive Solid Waste Management Plan has been developed, approved by the King County Council, is being reviewed by various agencies, and ratification is anticipated by the end of 2019.

SECTION VI. SUMMARY OF MWSLF UNITS AND AUTHORIZED ACTIVITIES

The Permittee is authorized to conduct the following activities during the specified times at the municipal solid waste landfill unit as described in this section. Authorized wastes are described Section VIII(B).

A. MSWLF Unit Name: Cedar Hills Regional Landfill – Main Hill

1. Waste Volume: 18,300,000 cubic yards
2. Earliest Authorized Start of Activity: 1965
3. Closure Date (Final Cover Placement): 1991

B. MSWLF Unit Name: South Solid Waste Area (SSWA): The SSWA was an unlined landfill cell at the CHRLF that contained refuse dating back to the 1960s and was completed in the 1970s. Final cover was placed over this area in 1989. Approximately 152,000 cubic yards of waste was excavated from the SSWA and disposed in Area 5 during the construction of Area 8 in 2017. The remainder of the waste in the SSWA was excavated in 2017 and disposed in Area 7. As a part of the development and construction of the Area 8, stormwater and contaminated stormwater collection and treatment facilities were relocated into the SSWA footprint (which required excavation and relocation of the in-place waste material). The SSWA is no longer considered a refuse area.

C. MSWLF Unit Name: Southeast Pit

1. Waste Volume: 405,000 cubic yards

2. Earliest Authorized Start of Activity: early 1980s
3. Closure Date (Final Cover Placement): 1989

D. MSWLF Unit Name: Central Pit

1. Waste Volume: 4,000,000 cubic yards
2. Earliest Authorized Start of Activity: 1986
3. Closure Date (Final Cover Placement): 1989

E. MSWLF Unit Name: Area 2/3

1. Waste Volume: 9,150,000 cubic yards
2. Earliest Authorized Start of Activity: 1991
3. Closure Date (Final Cover Placement): 2000

F. MSWLF Unit Name: Area 4

1. Waste Volume: 10,200,000 cubic yards
2. Earliest Authorized Start of Activity: 1991
3. Closure Date (Final Cover Placement): 2000

G. MSWLF Unit Name: Area 5

1. Landfill Cell Description: Area 5 covers approximately 70 acres of the west central portion of CHRLF, with about 30 acres covering the top of the south facing slope of Area 4, about 10 acres of the west facing slope of the Central Pit, and about 30 acres of base. The lined base was constructed in the summer of 1999 and the area received waste until 2005. Area 5 consists of fourteen 15-foot-deep-lifts. An intermediate cover was placed on Area 5 to allow for potential future filling of an additional lift and final cover.
2. Authorized Design Volume: The in-place volume of Area 5 is 8,400,000 cubic yards and the remaining capacity ranges from 940,000 to 1,360,000 cubic yards based on KCSWD's intention to develop remaining areas to a maximum final height of 788 feet above mean sea level
3. Earliest Authorized Start of Activity: June 1999
4. Interim Closure: 2007
5. Current use: Soil is currently stockpiled on the intermediate cover of Area 5. Stockpiled soil will be removed before the placement of additional waste and construction of the final cover.
6. Projected Additional Filling: to occur between 2025 and 2026 depending upon settlement and the filling rate for Area 8. This estimate is based upon current tonnage projections and filling sequence. This estimate will be updated every year in the annual report.
7. Projected Closure Date (Final Cover Placement): Final Cover is expected to be placed in 2026 based upon current tonnage projections and filling sequence. This is updated every year and included in the Annual Report.

H. MSWLF Unit Name: Area 6

1. Landfill Cell Description: Portions of Area 6 overlie the Main Hill Refuse Area and Area 5. The Main Hill does not have a composite bottom liner but has a final cap constructed in accordance with state regulatory requirements at the time of construction. Area 6 has a composite bottom liner over the Main Hill that includes a compacted clay layer, a geomembrane, and a geogrid.
2. Authorized Design Volume: The in-place volume of Area 6 is 6,800,000 cubic yards and the remaining capacity of Area 6 ranges from 970,000 to 1,840,000 cubic yards based on KCSWD's intention to develop remaining areas to a maximum final height of 788 feet above mean sea level.
3. Earliest Authorized Start of Activity: August 2005
4. Interim Closure: 2009
5. Current Use: Soil is currently stockpiled on the intermediate cover of Area 6. Stockpiled soil will be removed before the placement of additional waste and the construction of the final cover.
6. Projected Additional Filling: to occur between 2026 and 2027. This estimate is based upon current tonnage projections and filling sequence. This estimate will be updated every year in the annual report and may be impacted by settlement.
7. Projected Closure Date (Final Cover Placement): Final Cover placement is projected to occur in 2027 based upon current tonnage projections and filling sequence. This is updated every year and included in the Annual Report.

I. MSWLF Unit Name: Area 7

1. Landfill Cell Description: Portions of Area 7 overlie Area 5 and Area 6.
2. Authorized Design Volume: The in-place volume of Area 7 is 8,070,000 cubic yards and the remaining capacity of Area 7 is 1,003,000 cubic yards based on KCSWD's intention to develop remaining areas to a maximum final height of 788 feet above mean sea level.
3. Earliest Authorized Start of Activity: August 2010
4. Projected Closure Date (Final Cover Placement): 2020

J. MSWLF Unit Name: Area 8

1. Landfill Cell Description: Portions of Area 8 overlie Area 6 and Area 7.
2. Authorized Design Volume: The total capacity of Area 8 landfill is 7,840,000 cubic yards based on KCSWD's intention to develop remaining areas to a maximum final height of 788 feet above mean sea level.
3. Projected Commissioning Date for Area 8: June 2019. Waste will be accepted after submittal of the licensed engineer's certification or declaration specified in WAC 173-351-750(6) and approval of PHSKC, and waste authorization is subject to the compliance requirements specified in Section IV.

4. Projected Closure Date (Final Cover Placement): 2025 and 2026 based on current tonnage forecast, which is updated annually. This estimate will be updated annually in the Annual Report and may be impacted by settlement.

K. Leachate Lagoons:

1. Types of Waste Authorized in this Unit: Landfill leachate is collected from landfill areas listed in this section. Also contaminated stormwater collected from active areas of the landfill, stormwater runoff from paved areas of the property with the potential to contaminate stormwater, runoff from vactor disposal operations, and sanitary wastewater from landfill office buildings, Bio Energy Washington office buildings, and Passage Point.
2. Authorized Design Volume: Approximately 12.25 million gallons.
3. Earliest Authorized Start of Activity: Constructed in 1979; modified in 1989.
4. Projected Closure Date: Leachate Lagoons will be used during the active and post-closure care periods. Projected landfill closure date and post-closure monitoring period will be updated in Annual Reports.
5. Dipole Leak Detection Test: Dipole leak detection test was conducted on the Leachate Lagoon liners and detected anomalies were repaired in 2017 and 2018.

L. Contaminated Stormwater (CSW) Lagoon:

1. Types of Waste Authorized in this Unit: Stormwater runoff from the active area of the landfill that has the potential to contact waste.
2. Authorized Design Volume: Approximately 12 million gallons with an additional 3 million gallons freeboard storage prior to overflow.
3. Earliest Authorized Start of Activity: 2017
4. Projected Closure Date: CSW Lagoon will be used for the remaining duration of the landfill through placement of the final cover. Projected landfill closure date will be updated in Annual Reports.

SECTION VII. CONSTRUCTION, CERTIFICATION, AND APPROVAL

A. As required under WAC 173-351-750(4) for each new and expanded unit, the Permittee shall submit final design drawings, construction specifications, and a construction quality assurance manual to PHSKC and the Washington Department of Ecology (Ecology) at least 60 days prior to the beginning of construction. The Permittee shall not begin construction until PHSKC approves these documents in writing.

If there are deviations from approved design drawings and construction specifications, these changes shall be submitted to PHSKC and Ecology for review and approval no later than 5 working days before the start of construction. The Permittee shall provide sufficient information to confirm that the proposed changes will not compromise the integrity of the new cell or adversely impact the operations of the landfill.

B. The Permittee shall conduct all construction activities including cell development, leachate collection system improvements, gas system improvements, and future closure construction activities according to plans and specifications that have been approved by PHSKC. All activities shall be conducted in accordance with WAC 173-351-750(4), (5), and (6) and shall include construction quality assurance (QA) plans and construction quality control (QC) plans as specified in WAC 173-351-730(6).

C. Certification that construction was completed in accordance with terms of the permit and tested in accordance with construction quality assurance plans must be submitted to PHSKC along with recorded construction drawings and specifications within 3 months after completion of construction as specified in WAC 173-351-750(6). This permit authorizes the Area 8 certification schedule listed in Section IV (Compliance Requirements).

D. The Permittee is authorized to accept solid waste at any new or laterally expanded unit only after PHSKC receives written certification by the licensed professional engineer who supervised construction in accordance with WAC 173-351-750(6) and a letter of concurrence from the Washington State Department of Ecology. PHSKC authorizes the disposal of waste into Area 8 subject to the compliance requirements in Section IV and all other requirements in this permit.

   The Permittee must notify PHSKC in writing a minimum of 10 working days in advance of the date when solid waste will first be placed into the new unit. **The Permittee is not authorized to place solid waste into the new unit until approved by PHSKC in writing.** Failure to receive written approval from PHSKC prior to solid waste placement into the new unit will result in issuance of a violation notice and possible permit suspension in accordance with RCW 70.95.210 and WAC 173-351-760.

E. Area 5 and Area 6 were completed with an intermediate cover and soil staging is allowed on the intermediate cover as described in Sections VI and XI. Additional waste disposal is planned pursuant to projected need following sufficient landfill settlement. The Permittee shall notify and submit final closure plans and specifications to PHSKC and Ecology for review, comment, and approval a minimum of 180 days before closure. Prior to placing additional waste in Area 5 or Area 6 the Permittee will apply to re-activate the area a minimum of 90 days in advance of supplemental filling and shall submit plans (and specifications as appropriate) for extension of environmental controls such as CSW handling and landfill gas controls for PHSKC and Ecology review, comment, and approval.

F. As specified in WAC 173-351-750(7), if construction or operation activities started under the authority of this permit cease for a period of 12 consecutive months, PHSKC may, in its discretion, revoke this permit. PHSKC shall provide notice to the Permittee in writing explaining the reason(s) for revocation. PHSKC will not revoke a permit where cessation of construction or operation is caused by factors beyond the reasonable control of the Permittee or when such cessation is in accordance with the provisions of this permit.

SECTION VIII. OPERATIONAL AND MAINTENANCE REQUIREMENTS

A. Plans of Operation: The Permittee shall maintain plans of operation in accordance with WAC 173-351-200. The operation of the CHRLF is subject to the following approved or pending plans of operation. Amendments to the plans of operation are subject to review and approval by PHSKC. The plans of operation shall not overrule the permit conditions without written approval of PHSKC.

1. Cedar Hills Regional Landfill Plan of Operation, Draft March 2019 – *Note this plan describes the post closure care for closed units of CHRLF and describes the design requirements of closure for each closed unit. As additional units are closed they will be added to this plan such that at the Closure of the Facility it includes all units.*
2. Area 7 Plan of Operations, November 2009, Revised April 2016
3. Area 8 Plan of Operations, December 2018
4. Landfill Gas Operations and Maintenance Plan
5. Air Operating Permit Implementation Plan
6. Operations and Maintenance Plan for Contaminated Stormwater Lagoon, December 7, 2018.
7. Vactor Waste Operations and Maintenance Manual
8. Stormwater Pollution Prevention Plan
9. Hazardous Materials Emergency Response Plan
10. Environmental Monitoring Sampling and Analysis Plan
11. Wastewater Operations and Maintenance Manual
12. Waste Screening Standard Operating Procedure
13. Leachate Lagoon Operational Plan
14. Operations and Maintenance Plan for Southwest Stormwater Facility
15. Dam Safety Emergency Action Plan
16. Landfill Gas Pipeline and Booster Blower Operations and Maintenance Plan

B. Waste Acceptance and Screening

1. The Permittee is authorized to dispose of municipal solid waste and non-municipal solid waste, including industrial waste, inert waste, demolition waste, wood waste, and other types of non-hazardous solid wastes that have been excluded, exempted or otherwise removed from regulation under Chapter 173-303 WAC (Dangerous Waste Regulations) and as approved by PHSKC; provided, that such non-municipal wastes are co-disposed with the municipal waste stream in Areas 5, 6, 7, and 8 and such disposal is not elsewhere prohibited by law. Nothing in this authorization shall prohibit the permittee from adopting a policy that will enable exclusion of certain types of solid waste otherwise allowed under Chapter 173-351 WAC. If the permittee so chooses, a cell within the authorized unit may be developed to dispose of specific non-municipal solid wastes (e.g., asbestos). Records that contain the location and contents of each cell containing only non-municipal solid wastes, established

within an authorized unit, shall be maintained at the landfill and be made available to PHSKC upon request.

2. The Permittee shall not knowingly treat, store, dispose of, or knowingly handle regulated dangerous waste, with the exception of the removal and temporary storage of such waste in an approved location in accordance with the applicable approved plan of operations, unless the requirements of Chapter 173-303 WAC are met.

3. The Permittee shall ensure all solid waste suspected of containing regulated dangerous waste constituents as defined in Chapter 173-303 WAC that are being disposed of in the landfill have completed the waste clearance process. Solid waste suspected of containing dangerous wastes includes, but is not limited to, industrial waste and waste generated from a remedial action (cleanup) site.

4. All waste soils shall receive a waste clearance in accordance with the procedures set forth in the following King County Public Rules (PR) and regulations:

   a) PUT 7-2-1 (PR) (Waste Clearance Policies for KCSWD Solid Waste Handling Facilities),
   b) PUT-7-1-6 (PR) (Waste Acceptance Rule), and
   c) KCC 10.10.030 (Types of Waste Accepted).

5. Additional coordinating requirements with PHSKC:

   a) The Permittee shall furnish PHSKC a copy of all waste clearance records per the *Waste Clearance Policy* in PUT 7-2-1(PR).
   b) The Permittee shall retain one or more individuals with the necessary expertise to fully designate suspected dangerous waste pursuant to Chapter 173-303 WAC. Such individuals shall serve as the Permittee's contacts to the generator and to PHSKC for waste clearance applications. The qualified individual(s) shall be responsible for reviewing all waste disposal applications submitted to PHSKC as specified above.
   c) Solid waste suspected of containing a dangerous waste constituent shall not be transported to or disposed of at the facility until a Waste Clearance Decision has been issued by the KCSWD as recommended by PHSKC.
   d) Upon receiving waste with a Waste Clearance Decision, the permittee shall record the KCSWD Waste Clearance Decision tracking number and actual tonnage of waste received. Upon request, KCSWD will supply PHSKC the date and tonnage received. If actual quantity of the disposed waste is greater than 20% of the estimated quantity, as approved in the waste disposal application, additional sampling of the waste may be required as determined by PHSKC. For estimated quantities over 7,500 tons or 5,000 cubic yards, as approved in the waste disposal application, the allowable difference of actual versus estimated amount should not exceed 10% of that estimated quantity.
   e) Except as allowed in Section VIII(B)(5)(f) of this permit, all waste granted a waste clearance must be handled in a manner consistent with the disposal requirements of municipal solid waste as identified in this permit.

f) Petroleum contaminated soil may be used as daily cover material as described in Section VIII(C)(6)-(7) of this permit.
g) The Permittee shall reimburse PHSKC for time spent reviewing waste disposal applications, associated data and supplemental information for continuous waste streams at the current hourly plan review rate.

6. For all other wastes not cleared through the waste clearance program described in Section VIII(B)(4) above, the Permittee must comply with the requirements of WAC 173-351-200(1) including the following:

a) The Permittee shall visually observe all incoming waste to prevent the acceptance of unauthorized materials. Incoming waste loads will also be inspected randomly. Waste shall be inspected by the waste screening team at least once per week on random days continuously throughout the year at the active face of the landfill. In addition, at least once per month a load must be discharged onto a suitable surface and inspected for unacceptable materials at the active face of the landfill. This activity must be accomplished in such a manner as to avoid interference with operations, avoid litter, and to contain runoff. Records of inspections shall be made and include date, time, inspector, source of waste inspected, and results of inspection.
b) For loads of waste that are suspected of containing regulated dangerous waste and refused entrance into the facility, the Permittee shall record the name and address of the generator and transporter, the license plate number of the transporting vehicle, and the reason for denial. Written record of such incidents shall be retained.
c) Train facility personnel to recognize regulated dangerous waste and polychlorinated biphenyl (PCB) wastes.
d) Immediately notify PHSKC and Ecology if a regulated dangerous waste is discovered at the facility.

7. The Permittee shall dispose of asbestos-containing waste in conformance with Chapter 40 Code of Federal Regulation (CFR) Part 61, Subpart M (National Emission Standard for Asbestos), Title 10 (Solid Waste Regulations), KCC, and the asbestos containing material handling procedures contained in applicable approved plans of operation. At the end of each operating day, any asbestos-containing waste material that has been deposited at the site shall be covered with at least 6 inches of daily cover. The Permittee shall maintain records, and perform reporting and notifications as specified in 40 CFR Part 61.154 (Standard for Active Waste Disposal Sites) to include recording the specific location, depth, area, and quantity in cubic yards of any asbestos containing waste material on a site map or diagram.

C. Compaction and Daily Cover: The Permittee shall thoroughly compact solid waste before succeeding layers are added according to the applicable approved plan of operations and WAC 173-351-200(2) and WAC 173-351-220(7). The Permittee shall apply daily cover according to the applicable approved plan of operations. Specifically, the Permittee shall:

1. Thoroughly compact all solid waste before successive layers are added, except the first lift over the liner.

2. Cover all deposited and compacted solid wastes with an approved cover material at least one time daily, or at more frequent intervals if necessary to control disease vectors, fires, odors, blowing litter, and scavenging, unless otherwise approved by PHSKC. Approved daily cover material includes only:

   a) A minimum of 6 inches of:
      i. Soil from on-site stockpiles.
      ii. Class 1, 2, 3, and 4 petroleum contaminated soils, as defined in Ecology Publication No. 10-09-057 (Guidance for Remediation of Petroleum Contaminated Soils).
      iii. Dewatered and dried dredge spoils.
   b) Fabrene tarps as part of Tarpomatic system or other material as approved by PHSKC.

3. The operator may use alternative daily cover if the alternative material and thickness:
   - Are approved by the PHSKC
   - Control disease vectors, fires, odors and blowing litter
   - Provide adequate access for heavy vehicles
   - Do not adversely affect gas or leachate composition, collection and flow.
   - Provide adequate protection against scavenging without presenting a threat to human health and the environment.

4. The stockpiling of cover material shall occur only within the landfill footprint or in an area designated for stockpiling and approved by PHSKC. Adequate erosion control shall be maintained around all stockpile areas. Stockpiled dredge spoils, petroleum contaminated soils, or other approved material for use as daily cover, shall be stored in a manner that does not cause exceedances of groundwater, surface water, or air quality standards specified in Sections VII(D), VII(E), and VII(F) of this permit.

5. After completion of each landfill lift, full intermediate cover consisting of 12 to 24 inches of compacted soil shall be placed over completed cells or over areas that will be exposed for more than 30 days. Six (6) inches of intermediate cover will be allowed between November 1st and June 1st of each year (wet season) in areas requiring intermediate cover. Weather permitting, full intermediate cover shall be placed in these areas as soon as possible, and full intermediate cover shall be completed no later than September 30th of each year. Intermediate cover must ensure that wastes are not exposed or visible.

6. Class 1 and Class 2 petroleum contaminated soils, as defined by Ecology Publication No. 10-09-057 (Guidance for Remediation of Petroleum Contaminated Soils), may be disposed in the landfill, used as daily cover, or used as intermediate cover material in the lined portion of the facility as long as all run-off enters the leachate collection system. Class 1 and Class 2 petroleum contaminated soils shall not be stored outside the lined portion of the landfill.

7. Class 3 and Class 4 petroleum contaminated soils, as defined by Ecology Publication No. 10-09-057 (Guidance for Remediation of Petroleum Contaminated Soils), may be disposed in the landfill or used as daily cover in the lined portion of the facility as long as run-off enters the leachate collection system. Class 3 and Class 4 petroleum contaminated soils shall not be stored outside the lined portion of the landfill, be used for intermediate cover, or be used as final cover, top soil, or fill on any area.

D. Minimum Standards for Performance

1. Groundwater: The Permittee shall not allow the facility to cause exceedances of the maximum contaminant levels in groundwater specified in this permit at the point of compliance, as defined in Chapter 173-351 WAC. The Permittee shall not cause exceedances of standards contained in Chapter 173-200 WAC (Water Quality Standards for Groundwaters of the State of Washington) or Chapter 246-290 WAC (Group A Public Water Supplies).

2. Surface Water: The Permittee shall not allow discharges of pollution into waters of the State that violate state laws and regulations from point or non-point sources in accordance with an applicable approved plan of operations and approved engineering plans. Specifically, the Permittee shall not:

   a) Allow a discharge of pollutants into waters of the State, including wetlands that violates the requirements of Chapter 90.48 RCW (Water Pollution Control); Chapter 173-201A WAC (Water Quality Standards for Surface Waters of the State of Washington); Chapter 173-220 WAC (National Pollutant Discharge Elimination System Permit Program); and Chapter 173-216 WAC (State Waste Discharge Permit Program).
   b) Because the discharge of non-point source of pollution to waters of the State, including wetlands that violate any requirements of an area-wide or statewide water quality management plan that has been approved under Section 208 or 319 of the Federal Clean Water Act, as amended.

E. Explosive Gas: The Permittee must control explosive gases to ensure that concentrations of methane do not exceed the standards set forth in WAC 173-351-200(4). Exceedances of these standards shall be reported to PHSKC immediately and shall require implementation of control measures to control such gas. Specifically, the Permittee must ensure:

1. The concentration of methane gas does not exceed 1.25% in facility structures (excluding gas control recovery system components);

2. The concentration of methane gas does not exceed the 5% lower explosive limit at the facility property boundary or beyond; and

3. The concentration of methane gas does not exceed 100 parts per million by volume in off-site structures.

F. Air: The Permittee shall comply with all applicable requirements of the Washington State implementation plan approved under the Federal Clean Air Act laws.

1. Open burning of municipal solid waste will not be allowed under any conditions.

2. The Permittee shall comply with odor and nuisance control measures established in Regulation I, Section 9, as amended, promulgated by the Puget Sound Clean Air Agency (PSCAA). Permittee shall install effective control measures and to control the emission of odor bearing air contaminants. The best available control technology shall be used to control odorous emission.

G. Disease Vectors: The Permittee shall prevent or control disease vectors according to the applicable approved plan of operations.

H. Run-on/Run-off Control Systems: The Permittee shall maintain the run-on/run-off control systems for the active area and the closed MSWLF units according to the applicable approved plan of operations, the approved engineering plans, and the Stormwater Pollution Prevention Plan, as amended.

I. Liquid Waste Restrictions: Landfill disposal of waste containing free liquid is not allowed. If Permittee suspects a waste may contain free liquid, the waste shall be analyzed pursuant to EPA Method 9095 (Paint Filter Liquids Test). The Permittee shall follow the applicable Vactor Waste Operations and Maintenance Manual.

J. Records: The Permittee shall keep all records required by regulation and the applicable plan of operations at an approved location. Copies of these documents shall be provided upon request to PHSKC and Ecology. All information contained in the operating record shall be available to PHSKC and Ecology upon request at all reasonable times.

K. Operations: The Permittee shall operate the facility to control road dust, collect scattered litter, prohibit scavenging, and ensure that qualified landfill personnel are on-site during hours of operation to:

1. Control road dust and dust created during landfilling operations. Transient dust created during the landfilling of dust-producing wastes must be controlled. Dust suppressants must be approved by PHSKC and must not pose a threat to surface or groundwater quality.

2. Collect scattered litter at the facility and along roads adjacent to the landfill entrance as necessary to prevent vector harborage, fire hazards, aesthetic nuisances, or adversely affecting wildlife or its habitat.

3. Minimize occurrences of standing water that could become a breeding ground for mosquitoes.

4. Ensure that at least two landfill personnel are on-site with one person at the active face when the site is open for solid waste disposal. The Permittee shall ensure landfill personnel comply with WAC 173-300 (Certification of Operators of Solid Waste Incinerator and Landfill Facilities).

L. Reserve Operational Equipment: The Permittee shall ensure that the reserve operational equipment is available at all times to maintain and meet permit requirements according to applicable plan of operations.

M. Permanent Boundary Posts: The Permittee shall clearly mark the active area boundaries and all incremental landfilling phases with permanent posts or an equivalent method of making which is clearly visible for inspection purposes, in accordance with WAC 173-351-220(6). Such boundary posts or equivalent methods of marking shall be maintained at all times.

N. Maintenance of Monitoring Systems: The Permittee shall maintain all monitoring systems for air, groundwater, surface water, leachate, and landfill gas according to the applicable approved plan of operations and the approved Environmental Monitoring Sampling and Analysis Plan for CHRLF.

O. Public Access: CHRLF is not open to the public. Public disposal is not authorized except as described in an approved plan of operations.

P. Biosolids Prohibited: The Permittee shall prohibit the disposal of municipal sewage sludge or biosolids with the exception of materials allowed pursuant to WAC 173-351-220(10). The disposal of sewage sludge or biosolids directly into the landfill or as daily cover is prohibited. Biosolids may be used as intermediate cover material and as a component of the final cover. The disposal of sewage sludge and biosolids may be allowed on a temporary basis if and after PHSKC determines an emergency exists and there are no other readily available options for beneficial use.

Q. Access: The Permittee shall prevent unauthorized public access, prevent unauthorized vehicular traffic, and prevent illegal dumping of waste. The Permittee shall endeavor to control animals by using artificial barriers, natural barriers, or both to protect human health and the environment.

R. Other Operating Requirements:

1. The Permittee shall weigh all incoming waste on a scale to provide a measurement in incoming waste tonnage. Records shall be kept of the weight of all incoming waste material and shall be reported to PHSKC as required.

2. The above working face of the landfill shall be kept as small as practical and not be sized to create a nuisance, cause environmental contamination, or prevent the addition of complete daily cover.

SECTION IX. GROUNDWATER MONITORING PROGRAM AND HYDROGEOLOGIC REPORT

A. In accordance with WAC 173-351-490, a Hydrogeologic Report is required for this facility. The Permittee shall update the Hydrogeologic Report to meet performance standards as stated in WAC 173-351-490. The Report must contain all information from recent investigations. The report shall include a summary of the water flow path analysis, including all supportive documentation and calculations demonstrating that the performance criteria of WAC 173-351-405 are met. The report shall provide data representing existing groundwater quality conditions, including any groundwater contamination from upgradient sources such as the Queen City Farms Superfund Site. The report shall also include a determination of landfill impacts to groundwater in perched zone aquifers.

B. The Permittee shall complete all groundwater sample collection, laboratory analysis, statistical analysis, and reporting in accordance with the approved Environmental Monitoring Sampling and Analysis Plan for CHRLF. The groundwater sampling results should be compared to WAC 173-200 (Water Quality Standards for Groundwaters of the State of Washington).

C. As required in the performance standards of WAC 173-351-400 through 490, the Permittee is required to continue implementation of Groundwater Detection Monitoring Program and analyze groundwater samples for the constituents listed in Appendix I and II of Chapter 173-351 WAC.

D. Pursuant to WAC 173-351-420, If the Permittee determines there is a statistically significant increase over background water quality, the Permittee must:

1. Within 14 days after detecting a statistically significant increase over background water quality, place a notice in the operating record indicating which constituents have shown significant changes from background levels and send notification to PHSKC and Ecology.

E. Establish a Groundwater Assessment Monitoring Program meeting the requirements of WAC 173-351-440. The Groundwater Assessment Monitoring Program must have PHSKC and Ecology approval prior to its implementation. Permittee shall upload all groundwater data to Ecology's Environmental Information Management System (EIM) database.

SECTION X. OTHER ENVIRONMENTAL MONITORING REQUIREMENTS

A. Surface Water: The Permittee shall complete all surface water sample collection, laboratory analysis, and reporting in accordance with the approved Environmental Monitoring Sampling and Analysis Plan for CHRLF. The Surface Water Monitoring Program shall assess compliance

with surface water performance standards as stipulated in this section. Changes to the current program must receive PHSKC approval before they are implemented.

1. The methods of analysis of surface water samples shall be in accordance with EPA publication No. SW-846 and 40 CFR Part 136. For each test method, the lowest achievable detection limit shall be obtained sufficient to verify compliance with the standards identified in WAC 173-210A.

2. A table shall be prepared and included in each quarterly monitoring report which presents data in a format that allows for comparison with the applicable surface water quality criteria in WAC 173-201A. If the criteria require calculations based on hardness, the calculations shall be provided along with all assumptions.

B. Leachate: The Permittee shall complete all leachate sample collection, laboratory analysis, and reporting in accordance with the approved Environmental Monitoring Sampling and Analysis Plan for CHRLF. Results of these samples shall be reported to PHSKC quarterly. Leachate monitoring in support of an Alternative Groundwater Monitoring Program shall be performed and reported, as specified in WAC 173-351-450.

C. Landfill Gas: The facility must meet the performance requirements of WAC 173-351-200(4). The minimum frequency of monitoring shall be quarterly. Gases that must be monitored include methane and oxygen. Landfill gas monitoring shall be performed in accordance with the applicable approved plan of operations.

1. If gas levels specified in WAC 173-351-200(4) are exceeded, the Permittee shall notify PHSKC within 72 hours and immediately take all necessary steps to protect human health as specified in WAC 173-351-200(4)(c).

   a) Within 7 days of discovering an exceedance, the Permittee shall place a notice in the operating record recording the methane gas levels detected and a description of the steps taken to protect human health.
   b) Within 60 days of discovering an exceedance, the Permittee shall implement a plan for remediation of gas exceedances, notify PHSKC that the plan has been implemented, and place a copy of the plan in the operating record. Additional environmental controls (e.g., new gas extraction wells) will require PHSKC approval prior to installation.

SECTION XI. CLOSURE AND POST-CLOSURE PLANS

A. The Permittee shall perform closure and post-closure activities in accordance with approved plans and in compliance with WAC 173-351-500.

B. The Permittee shall maintain, in the operating record, a closure plan for all active MSWLF units pursuant to WAC 173-351-500(1)(b). The Area 7 and Area 8 Plans of Operation describe design elements for closure of each unit. At least 180 days prior to closure, the Permittee must notify

PHSKC and the financial assurance trustee and/or insurer of the intent to close the MSWLF unit or all MSWLF units according to the approved closure plans in accordance with WAC 173-351-500(1)(d). At least 180 days prior to beginning closure construction activities, the Permittee must submit final engineering closure plans to PHSKC and Ecology for review, comment, and approval in accordance with WAC 173-351-500(1)(d). The Permittee shall not start closure activities until approved by PHSKC in writing. The Permittee shall complete closure activities within 180 days following the start of construction activities as defined in WAC 173-351-500(1)(e)-(f).

C. PHSKC has approved the application of an intermediate cover and delay of final cover construction for Area 5, Area 6, and Area 7 to allow additional waste disposal, in accordance with WAC 173-351-500(1)(e).

D. The Permittee must develop and maintain a post-closure plan for all closed MSWLF units that meet the requirements in WAC 173-351-500(2)(c). The Cedar Hills Site Wide Plan of Operation, inter alia, describes the post closure care for closed units of CHRLF and describes the design requirements of closure for each closed unit.

E. The post-closure plan should include an estimate of the time required the meet the functional stability criteria for each MSWLF in WAC 173-351-500(2)(b)(iii).

F. The Permittee must file an environmental covenant conforming to the procedures and requirements of Chapter 64.70 RCW (Uniform Environmental Covenants Act) following closure of all MSWLF units, in accordance with WAC 173-351-500(1)(h).

SECTION XII. GENERAL CONDITIONS

A. Transferability:

1. Permit: Permits issued pursuant to this regulation are transferable only upon prior written approval of PHSKC and a demonstration that the prospective transferee will be able to comply with all applicable laws and regulations, permit conditions, and other requirements to which the prospective transferor is subject.

2. Property: Upon the sale or transfer of ownership of all or part of the facility property, the property deed (or other instrument or instruments or conveyance) shall include a provision stating (i) the entire period of time during which solid waste was received at the facility, (ii) a description of the solid waste contained within and (iii) that the records for the facility have been filed with PHSKC. The deed shall incorporate by reference a map, which shall be filed with the county clerk, showing the boundaries of the active landfill area as defined in WAC 173-351-100.

B. Appeals: If PHSKC denies a permit application, or suspends or revokes a permit for this facility pursuant to WAC 173-351 or for failure to comply with any of the terms of this permit, it shall

grant a hearing before the Health Officer on such denial or suspension within 30 days after a written request for such hearing is received, pursuant to RCW 70.95.210. The request for such a hearing must be made within 10 days of receipt of the denial or suspension. An informal administrative conference can be scheduled by the Health Officer prior to the hearing, in response to a written request for such conference. A notice of the hearing shall be given to all interested parties including Ecology and PSCAA. Within 30 days following a hearing, the Health Officer shall notify the Permittee in writing of his/her determination and the reasons. The Permittee may appeal to the Pollution Control Hearings Board by filing a notice of appeal with that board within 30 days after receipt of the notice of determination of Health Officer. The Pollution Control hearings Board will hold a hearing in accordance with the provisions of the Administrative Procedure Act, Chapter 34.05 RCW, as amended.

C. Renewal:

1. The Permittee shall apply for renewal of annual permit each consecutive year covered by this permit. The Permittee shall provide an annual report as described in Section XIII(B) and the permit application described in Section XIII(C). The report will be an updated version of the annual report due April 1st each year as described in WAC 173-351-200(11), noting any changes from April 1 through August 30, and submitted by September 30 of each year to PHSKC for the purpose of the permit renewal application. This will serve as the renewal application unless otherwise specified by PHSKC. The annual renewal fee must accompany the permit renewal application.
2. The Permittee is authorized to continue all activities that have been authorized under the most recently issued permit if PHSKC has not rendered a decision on renewal by the yearly renewal date of current permit. If PHSKC affirmatively renders a decision not to renew the current or most recently issued permit, the Permittee will be notified in writing that all active landfilling activities must cease but all environmental monitoring and public health protection related activates must be continued.

D. Modification/Amendments:

1. A Permittee intending to modify this permit must file a permit modification application at least 45 days before the proposed effective date of modification, pursuant to WAC 173-351-720(6). The application must be in a form approved by PHSKC and must contain sufficient information and supporting documentation to allow the regulatory agencies to render a decision on the modification. Only PHSKC-approved modifications will be allowed.

2. The Permittee may combine a renewal application and a permit modification application in order to allow for a modification to take place at the time of permit renewal.

3. Proposed alterations or additions to the operation, maintenance, monitoring, development, closure, and post-closure care of the CHRLF must be described fully in writing in amended plans. No proposed alternatives or additions shall be implemented until PHSKC has approved the amended plans.

4. PHSKC may amend this permit at any time. Amendments shall be in writing and become specific conditions of this permit. Proposed amendments may be forwarded to the Permittee for review and comment. If forwarded, the Permittee shall have 15 days to provide comments to PHSKC. Upon consideration of the Permittee's comments, the final amendment(s) will be issued and become effective. In event of emergency or imminent threat to human health or the environment, PHSKC may waive the review and comment option.

E. Reissuance: The permittee must file a complete reissuance application at least 90 days before this permit expires pursuant to WAC 173-351-720(7).

F. Revocation and Suspension: PHSKC may suspend or revoke this permit if the facility is operated in violation of Chapter 70.95 RCW, Chapter 173-351 WAC, Approved Plan of Operation or any other applicable local regulations governing solid waste disposal facilities.

G. Definitions: The definitions of terms pertaining to solid waste activities used in this permit shall be as defined in Chapters 173-304, 173-350, and 173-351 WAC and Title 10 of the KCC.

H. Permittee is Bound by Permit: All conditions of this permit shall be binding upon the Permittee. The Permittee shall be responsible for all acts and omissions of all contractors and/or agents for all activities performed at the permitted facility including the post-closure period.

I. Violations: Activities and operations not in conformance with this permit shall be considered in violation of this permit.

J. Permit shall be maintained on Site: A copy of this permit shall be available where it can be readily referred to by on-site landfill operating personnel and by authorized representatives of PHSKC.

K. Inspection: Authorized employees of PHSKC, Ecology, or their agents may enter upon, inspect, sample and move freely about the premises of any MSWLF unit after presentation of credentials. Entry shall not be denied by the Permittee, or his or her agent, but the Permittee or his or her agent may accompany the inspector if the escort is immediately available.

SECTION XIII. REPORTING REQUIREMENTS

A. A minimum of one copy of all reports shall be provided to each of the following agencies:

1. Public Health – Seattle & King County, Solid Waste Program, 401 Fifth Ave., Suite 1100, Seattle, WA 98104.

2. Washington Department of Ecology, Northwest Regional Office, Solid Waste Management Program, 3190 160th Avenue SE, Bellevue, WA 98008-5452.

3. Any report associated with gas and odor control facilities shall also be forwarded to the Puget Sound Clean Air Agency, 1904 Third Avenue – Suite 105, Seattle, WA 98101.

B. Annual Report: The Permittee shall prepare and submit an annual report to PHSKC, Ecology, and PSCAA pursuit to WAC 173-351-200(11). An annual report is due by April 1st of each year following the reporting period. An annual report shall include, at minimum, the following information:

1. Facility name and location, facility contact name, address, and phone number.

2. A discussion of causes, effects, and proposed corrective action for all instances of non-compliance with the provisions of this permit and Chapter 173-351 WAC, including groundwater, surface water, and methane gas exceedances.

3. An annual analysis of the landfill capacity used and the remaining capacity at the site. This analysis shall include an updated topographic map showing the vertical and horizontal dimensions of the active area, including all assumptions and cross-sections used in the analysis.

4. An updated cost estimate for closure and post closure accounts including the effect of deposits, interest income, inflation, and expenditures. Documentation must be provided detailing how these costs were determined.

5. Annual quantities of solid waste deposited in the landfill. Special waste categories (e.g., asbestos, petroleum-contaminated soils, etc.) shall be reported separately.

6. Annual quantities of recycled materials collected on-site by category of material.

7. Annual summary of groundwater monitoring results that meets the requirements of WAC 173-351-415(1) and annual summary of the surface water, leachate, and landfill gas monitoring to include findings, conclusions, and recommendations.

8. A description of next year's proposed environmental monitoring program.

C. Permit Renewal Application: The annual Renewal Permit Application shall contain the following:

1. Any proposed changes in operating methods, closure or post-closure costs, or other changes not falling under the definition of a "permit modification" as defined in WAC 173-351-100. In addition, as part of application package for the permit renewal, the permittee shall submit by September 30th an updated amendment to the annual report which incorporates any changes from April 1 through August 30 as part of the annual renewal permit application for the CHRLF for the subsequent renewal period unless otherwise specified by PHSKC.

2. A list of documents added to the operating records according to WAC 173-351-200(10).

3. Documentation showing that all MSWLF unit operators have continued to comply with the certification requirements of WAC 173-300 (Certification of operators of solid waste incinerators and landfill facilities).

4. An updated Emergency Response Plan (Update emergency contact list and facilities plans).

D. Quarterly Monitoring Report: A summary report of groundwater, surface water, stormwater, leachate, and landfill gas monitoring shall be prepared quarterly. One of the quarterly reports can meet the requirements of annual report stipulated in Section XIII(B)(7) of this permit. Monitoring shall be performed as required in Section IX of this permit. Any changes in the number or location of monitoring stations shall be noted along with a reference to PHSKC's date of approval for the specific change. If there is no approval, it must be so stated. The quarterly monitoring report shall contain the following information:

1. A presentation and discussion of unusual conditions and observations noted during the monitoring event and the analytical results of the samples collected.

2. Any violations of regulatory standards, proposed remediation efforts to correct violations, and all field and laboratory data collected in the following areas:
   a) Groundwater detection monitoring;
   b) Groundwater assessment monitoring (if applicable);
   c) Surface water and stormwater monitoring;
   d) Leachate monitoring; and
   e) Landfill gas monitoring.

3. Weather data from the on-site climatological station.

E. The Permittee shall notify PHSKC of any new and/or unusual exceedances of parameters stipulated in regulatory standards within 7 days of discovery.

F. Non-Compliance and Release Reporting: The Permittee shall report verbally within 48 hours and in writing within 7 days, from time of discovery, all instances of non-compliance with regulatory standards and/or conditions stated within this permit. New instances of non-compliance must be in a section of the report separate from ongoing areas of non-compliance. Instances of non-compliance, which may result in potential public health risk and/or environmental damage, shall be reported immediately. Reporting of such incidents shall be via (206) 263-9566 at Public Health – Seattle & King County, 401 Fifth Avenue, Suite 1100, Seattle, WA 98104. The time of contact and name of person contacted must be reported in the first quarterly report following the contact. If the event occurs after hours, on a weekend, or holiday, call the telephone answering service at (206) 726-2454 and the information will be forwarded to the appropriate health authority.

G. Emergencies: Events which may result in potential immediate public health risk and/or environmental damage (such as explosive gas levels detected at the property boundary, uncontrolled release of contamination, or other catastrophic events), shall be reported immediately upon occurrence or discovery. Reporting of such incidents shall be via **(206) 263-9566** during business hours. If the event occurs after hours, on a weekend, or holiday, the report shall be made to **(206) 726-2454** for forwarding to Public Health. The time of contact and name of person contacted must be reported in the annual report covering the time period when the event occurred. Permittee shall ensure that contact information is posted at strategic locations and all workers know where to find the contact information.

Environmental Health Services Division
401 Fifth Avenue, Suite 1100
Seattle, WA 98104-1818
206-263-9566 Fax 206-296-0189
TTY Relay: 711
www.kingcounty.gov/health

Public Health
Seattle & King County

2025 ADDENDUM TO MUNICIPAL SOLID WASTE LANDFILL PERMIT Cedar Hills Regional Landfill PR0015736

Seattle-King County Department of Public Health (Public Health) issued municipal solid waste landfill (MSWLF) permit PR0015736 to King County Solid Waste Division (KCSWD or permittee) to operate Cedar Hills Regional Landfill (CHRLF) in accordance with the terms and conditions of the permit. Permit PR0015736 was reissued on May 7, 2019, and authorizes activity through May 7, 2029. Permit PR0015736 is renewed annually in accordance with section 173-351-750(3) of the Washington Administrative Code (WAC). This addendum renews the permit through December 31, 2025. Permit modifications, allowed under WAC 173-351-730(6), are incorporated in Section IV of the 2025 Addendum.

LANDFILL TYPE	Municipal Solid Waste
LOCATION	16645 228th Avenue SE, Maple Valley, Washington 98038
LEGAL DESCRIPTION	Parcel Number: 212306-9016 (920 acres) N/2 of S28, T23N, R6E, W.M. and S21, T23N, R6E, W.M., Except the NE/4 of the NE/4 thereof.
OPERATOR AND MAILING ADDRESS	King County Department of Natural Resources and Parks Solid Waste Division 201 S. Jackson St., Suite 6400, Seattle, WA 98104-3855
FACILITY CONTACT	Scott Barden, Assistant Operations Manager (206) 263-8863 scott.barden@kingcounty.gov
EFFECTIVE DATE	January 1, 2025
DATE OF EXPIRATION	December 31, 2025
DATE OF ISSUANCE OF ADDENDUM	April 22, 2025

SEATTLE-KING COUNTY DEPARTMENT OF PUBLIC HEALTH
Faisal Khan, MBBS, MPH, Director

Yolanda Pon

By: Yolanda Pon, Solid Waste Program Supervisor
Solid Waste, Community Health and Zoonotics
Environmental Health Services Division

SECTION I. GENERAL PERMIT CONDITIONS

A. The holder of this permit shall comply with King County Board of Health Title 10, “King County Board of Health Solid Waste Regulations,” King County Code Title 10, "King County Solid Waste Code,” Chapter 173-351 WAC, “Municipal Solid Waste Landfills,” WAC 173-350-330, “Surface Impoundments and Tanks,” King County Waste Acceptance Rule PUT 7-1-6 (PR), WAC 173-350-040(3) and WAC 173-351-120, “Consideration of all applicable local, state, and federal laws.” Where any conflicts between any regulations exist, the more stringent shall apply. It is the responsibility of the Permittee to remain informed of these regulations.

B. Plans of operation:
   - The Permittee is authorized to operate this facility following the Plans of Operation identified in the Guide to Cedar Hills Operating Plans, last revised in March 2019.
   - All operators of this facility must be trained on and knowledgeable of the applicable plans of operation.
   - The Permittee will be inspected on a regular basis based on the current, approved plans of operation.
   - The Permittee shall notify Public Health in writing in advance of any alterations or changes to the active landfill plan of operations and in post-closure care and maintenance practices for the closed portions of the landfill.
   - Modifications and additions to facility operations must be submitted to Public Health, and approved, prior to implementation.

C. The Permittee shall allow authorized representatives of Public Health or Washington State Department of Ecology (Ecology) to inspect the landfill, equipment such as active landfill gas extraction system and leachate treatment system, and records at any reasonable time, regardless of prior knowledge of the inspection.

D. The Permittee shall prepare an annual report for the landfill in accordance with WAC 173-351-200(11) and WAC 173-350-330(6)(b). The annual report should include:

   - Groundwater and other environmental monitoring results as required in WAC 173-351-415(1) and the approved Sampling and Analysis Plan (SAP)/Quality Assurance Project Plan (QAPP).
   - Leak detection and liner inspections for the surface impoundment in accordance with WAC 173-350-330(6)(b) for the previous year when applicable.
   - Financial assurance reporting requirements in WAC 173-351-600(5)(f).
   - Other items specified in the Section II of this Permit.

   The annual report may alternately address the previous four quarters of monitoring prior to the fourth quarter of the reporting year. The Permittee shall submit copies of the annual report to Public Health and Ecology by April 1, 2025.

E. The Permittee shall prepare and submit quarterly environmental monitoring reports in accordance with WAC 173-351-415(2) and the approved SAP/QAPP, including specifications

noted in Section II of this Permit. The annual report may be submitted in lieu of the fourth quarter report if and only if all environmental monitoring results are reported for the year.

F. The Permittee shall submit groundwater monitoring data into Ecology's Environmental Information Management system (EIM) database within 60 days after receipt of the accepted analytical data in accordance with WAC 173-351-415(3). Send email notification to Ecology and Public Health upon task completion.

G. The Permittee shall provide financial assurance in accordance with WAC 173-351-600 to ensure sufficient funds are available for closure, post-closure care, and (if applicable) cleanup actions defined in a cleanup action plan.

H. The closure cost estimate must equal the cost of closing the largest area of all MSWLF units ever requiring a final cover at any time during the active life of the landfill. The post-closure cost estimate must be based on the most expensive costs of post-closure care during the post-closure period. The closure and post-closure costs must be inflated annually using Ecology's published inflation factors based on implicit price deflators for the Gross Domestic Product (https://ecology.wa.gov/regulations-permits/guidance-technical-assistance/dangerous-waste-guidance/dispose-recycle-or-treat/financial-assurance/updates).

King County Solid Waste Division maintains a Landfill Reserve Account and a Post-Closure Maintenance Fund as reserve accounts, in accordance with WAC 173-351-600(5)(a)(i). King County transfers funds from the Landfill Reserve Fund into the Post-Closure Maintenance Fund for multiple landfills. The Landfill Reserve Fund receives revenue from the county's solid waste operations.

The financial assurance section in the annual report should include the following:

- Summarize the financial assurance background and accounts.
- Provide a financial statement of the Landfill Reserve Account and applicable Post-Closure Maintenance Fund accounts that meets the standards of the Government Accounting Standards Board (GASB) Statement No. 18 (Accounting for Municipal Solid Waste Landfill Closure and Post-closure Care Costs).

If and when the Landfill Reserve Fund and/or Post-Closure Maintenance Fund are audited by the Office of the Washington State Auditor, the Permittee shall submit the findings of the audit to Public Health and Ecology in accordance with WAC 173-351-600(5)(f)(i).

I. The Permittee shall notify Public Health's Solid Waste Program of any serious incident as soon as possible, but no more than 24 hours after KCSWD knowledge of the occurrence. This is in addition to taking all necessary measures to protect human health and the environment. Serious incidents are any situation that presents imminent risk to public health or the surrounding environment, including but not limited to:

- Failures of environmental control systems (i.e., leachate, stormwater, and landfill gas collection systems).
- Spills or releases that have migrated or conveyed through pipes or transportation offsite or have the potential to migrate or be conveyed off site.
- Fires that require first responder assistance to contain or extinguish.
- Large spills of trash that cannot be picked up immediately.
- Customer medical and recordable employee injuries.
- Any other releases or incidents that are required by law to be reported to the Department of Ecology or other responders.

Serious incidents should be reported by emailing swincident@kingcounty.gov during office hours (Monday through Friday 8:00 a.m. to 6:00 p.m.) or after hours by calling (206) 263-7885.

Within 60 days after a serious incident, the Permittee shall submit an investigation report that summarizes the incident, the facility's response, and a summary of any steps being implemented to mitigate future incidents. Investigation reports should be submitted to the assigned inspector.

SECTION II. COMPLIANCE AND/OR REPORTING REQUIREMENTS

The compliance and/or reporting tasks in this Addendum augment and update the compliance and/or reporting requirements listed in the Permit. The tasks below must be completed by the regulatory due dates stipulated in the WAC, as applicable, unless an extension is approved by Public Health. Extensions must be requested 30 days in advance of the due dates in the following compliance task table.

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TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
Operating, Closure, and Post-Closure Tasks			
1	WAC 173-351-210	Provide a letter to Public Health outlining impacts to the Plans of Operation as a result of relocating facilities due to the excavation of Area 9. Include a schedule for revising the Plans of Operation.	May 1, 2025
2	WAC 173-351-210 WAC 173-350-330(6)(a) Ecology letter to Public Health dated October 14, 2024	Submit a draft work plan to address inspection, testing, and maintenance of the leachate discharge line between the leachate lagoons and the King County Wastewater Treatment Division collection system. The Cedar Hills Regional Plan of Operations (July 2019) describes the leachate discharge line in Section 4.3.3 (LEPS and Offsite Transmission Line).	December 31, 2025
3	WAC 173-351-730(1)(b)(iv) WAC 173-351-210 WAC 173-351-500(1)(b)	Submit a draft and final Plan of Operations and Closure Plan for Areas 5 and 6 as described in Section IV of this 2025 Permit Addendum. The Plan of Operations and Closure Plan for Areas 5 and 6 must be approved prior to KSCWD's requested approval date for waste placement. Allow 30 days to review draft plan and 30 days following receipt of final plan to approve waste placement.	Submit agency-approved final documents 30 days prior to waste placement
4	WAC 173-351-210, WAC 173-351-500(1)(b)	Update Area 8 Plan of Operations (December 2018) to incorporate any revisions to alternative daily cover, intermediate cover and final cover (if applicable), lift plans, staged closure plan, final elevation, and leachate, contaminated surface water, and landfill gas management plans.	Dependent upon project schedule
5	WAC 173-351-500(2)(c)	Revise the CHRLF Post-Closure Plan (February 2020) in accordance with comment letter from Public Health (May 19, 2020), including comments from Ecology dated May 1, 2020.	August 1, 2025
6	WAC 173-351-500(2)(c), WAC 173-351-600(3)	Revise the Functional Stability Evaluation Report (March 27, 2020) in accordance with Ecology comments, dated July 15, 2021. Report to be used to calculate amount of financial assurance for post closure care.	December 31, 2025

TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
Environmental Monitoring, Inspection, and Reporting Tasks			
7	WAC 173-351-415(2), WAC 173-351-200(4), WAC 173-351-200(10)(d), and Sections X and XIII.D of 10-year Permit	When submitting the quarterly environmental monitoring reports that address groundwater and explosive gas monitoring required under WAC 173-351, the reports shall include: • Updates on dual phase well operations. • Any deviations from the SAP in table format for each quarter for wells damaged or not sampled.	Quarterly
8	WAC 173-351-200(11)(c)(x), WAC 173-351-490(2)(g)	Provide an annual update to the Domestic Well Survey in the Annual Report based on a records search using the Washington State Well Report Viewer, Washington State Department of Health Source Water Assessment Program Maps, and the King County Groundwater Well Viewer. The annual update shall be consistent with the 2,000-foot radius of the site required for the hydrogeologic report in WAC 173-351-490(2)(g).	April 1, 2025
9	WAC 173-351-600(2) and (3)	In accordance with Section I.D, the annual report should include current closure and post-closure cost estimates in the financial assurance section. Provide a detailed closure cost estimate for the landfill that includes final covers on Areas 5, 6, and 8. The closure costs should include a line item for Area 9 closure. Ideally, the closure cost estimate should utilize and reconcile with capital improvement program appropriations and proposed and incurred costs. The post-closure cost estimate shall be updated from the 2012 estimate.	April 1, 2025
10	WAC 173-350-330 (6)(a)(v)(E), 6(a)(ix), and (6)(a)(x)	Continue inspecting and testing tanks, impoundments, and piping identified as Category 1 assets in the KCSWD memo dated August 25, 2021. As specified in Section I.D, inspection and testing at CHRLF should be reported in an appendix to the annual report.	April 1, 2025
11	WAC 173-350-330(4)(b)(i)	Tank and piping tightness testing: Develop and submit implementation plan to Public Health for approval. The implementation plan shall include a schedule and shall describe the approach and steps KCSWD proposes to demonstrate tightness for Category 2 assets, as defined in the KCSWD memo dated November 3, 2022.	4th Quarter of 2025

TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
12	WAC 173-350-330, WAC 173-350-330(11)	KCSWD manages the Cedar Hills Regional Landfill Leachate Discharge Line Improvements capital improvement program (CIP). Public Health has determined that the leachate discharge line is regulated under WAC 173-350-330 and consequently would require leak and tightness testing, inspection, and preventive maintenance that would mitigate or eliminate leachate releases from this pipeline in the future. Ecology's letter to Public Health, dated October 14, 2024, clarifies the regulatory authorities for leachate pipelines from surface impoundments and tanks. Submit schedule, scope of work, and milestones in a quarterly progress report to begin June 30, 2025. The quarterly progress reports should reference construction record drawings for the offsite leachate conveyance pipeline CIP and reports documenting relevant construction.	Progress updates to be provided during routine permit compliance meetings. Quarterly progress report to begin June 30, 2025. Frequency may be changed upon request.
13	WAC 173-350-330 (6)(a)(x)	Provide status update on compliance with testing and inspection requirements for pipes and related modifications for testing.	Progress updates to be provided during routine permit compliance meetings
14	WAC 173-351-490	Update CHRLF Site-Wide Hydrogeologic Report. Please provide a schedule for all associated projects including the revised Well Network Maintenance Work Plan, the draft and final Well Network Maintenance Summary Report, and the draft and final Hydrogeologic Report. Set up quarterly meetings with Public Health, Ecology, KCSWD, and consultant for discussions of contents and draft reviews.	April 1, 2025 and Quarterly
15	WAC 173-351-220(8)	Submit a table that describes the status of all monitoring wells and landfill gas probes. The table should include all site probe completion information and propose needed maintenance or proper abandonment and replacement if the probe is damaged beyond repair.	December 31, 2025
16	WAC 173-351-430(2)(a)	On-site upgradient background water quality concentration evaluation: Calculate background water quality concentrations of selected (upon consensus) total metals listed in WAC 173-351-430(2)(a) (i.e., Appendix I metals) and selected (upon	December 31, 2025

TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
		consensus) geochemical indicators in Appendix II (plus total manganese and total iron) using the latest 10-years of data from the listed, or representative (upon consensus), upgradient and cross-gradient regional aquifer monitoring wells. Express concentrations in micrograms per liter.	
17	WAC 173-351-405	Redevelopment monitoring wells: Revise the Draft Well Network Maintenance Work Plan dated 10/22/2024 to include a schedule for regular well maintenance activities on a biennial (every two years) frequency. Include a table of wells and schedule of downhole video/redevelopment per Well Maintenance Flow Chart (Figure 5) of final work plan.	February 28, 2025
18	WAC 173-351-405	Prioritize replacement of MW-67 and MW-68 per the *Draft Well Network Maintenance Work Plan* dated October 22, 2024. Incorporate Ecology and Public Health comments in the final work plan if possible.	June 30, 2025
19	WAC 173-351-405	Implement the *Well Network Maintenance Recommendations* from Table 2a in the Final Well Network Maintenance Work Plan once revised. Complete a draft *Well Network Maintenance Summary Report* three months after well maintenance completed or by February 27, 2026 at the latest.	November 26, 2025; February 27, 2026
20	WAC 173-351-405	Finalize evaluation of MW-60 as replacement of well MW-100 or propose alternative new well location.	March 31, 2025
21	WAC 173-351-120; WAC 173-351-750(1)	Provide email copies of submittals and related communications made in response to the Puget Sound Clean Air Agency (PSCAA) Administrative Order to Require Analysis of Toxic Air Pollutants (November 3, 2023 letter).	As scheduled in November 3, 2023 letter from PSCAA
22	WAC 173-351-200(5); WAC 173-351-750(1)	Air Quality notifications: KCSWD shall update Public Health and Ecology on arsenic in air testing conducted at the landfill. Notifications shall include relevant Communications Center CC Fax Issues and technical reports on air quality.	No later than 7 days after issuance
23	WAC 173-351-440(8); WAC 173-200-040(2)(b); WAC 173-340-720(4)(b)	KCSWD shall report voluntary activities and results from sampling and testing for PFAS at the landfill in any media. The USEPA established maximum contaminant levels (MCLs) for six PFAS compounds on April 10, 2024 and Ecology added the federal MCLs to the CLARC tables in June 2024. The federal MCLs should be considered when establishing groundwater protection standards and groundwater cleanup levels for the landfill.	Dependent on project schedule

TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
24	WAC 173-351-410	Revise Sampling and Analysis Plan (December 31, 2013) to incorporate changes in the monitoring well network and frequency, to revise the groundwater protection standards based on current MCLs, cancer potency factors, non-carcinogen protection standards, and accepted background water quality concentrations, and to revise the evaluation procedures for statistically significant increases of detection monitoring parameters. This task should follow the evaluation and revision of the monitoring well network and the acceptance of the background water quality standards.	Dependent on project schedule
Landfill Construction, Development, and Expansion Tasks			
25	WAC 173-351-720(1)(a)(ii) WAC 173-351-720(1)(c)	KCSWD shall prepare a Technical Memorandum that describes how the Area 9 MSWLF unit satisfies SEPA rules in WAC 173-351-720(1)(a)(ii) and the standards for approval in WAC 173-351-720(1)(c). Specifically, the Technical Memorandum should address: • The 2019 Solid Waste Management Plan. • KCSWD's SEPA determination. • The draft and final Environmental Impact Statement (EIS). • King County's selection of Action Alternative 2 in the EIS and its applicability to the Area 9 New Area Development. • King County Council appropriated Capital Improvement Program for Area 9 New Area Development. • KCSWD's Area 9 development schedule and permitting plan (including other permitting authorities). • Public involvement activities related to Area 9 development, including semi-annual public outreach meetings for landfill.	December 31, 2025
26	WAC 173-351-720(4)(a) WAC 173-351-720(6) WAC 173-351-730(3), (5), and (7)	Submit single application to modify the landfill permit for implementation in the 2026 Permit Addendum. This application shall include modifications referenced in compliance tasks 26.a, 26.b, and 26.c. • In addition to the criteria in WAC 173-351-730(3), the application should describe the current disposal plans and projected schedule for Area 8, 5, 6, and 9. • The permit modification application must be submitted using Ecology Publication No. ECY 070-401	December 31, 2025

TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
		(Application for Modification of Solid Waste Handling Permit). https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Solid-waste-facilities-reporting https://apps.ecology.wa.gov/publications/summarypages/ecy070401.html	
26.a		SWD has indicated intent to fill Area 8 to a maximum elevation of approximately 800 feet MSL. Prior to approval for placing waste, the following requirement shall be met: • In addition to the criteria in WAC 173-351-730(3), the application in Task 26 should request to increase the authorized elevation on Area 8. This request should be supported by the requested Technical Memorandum for Area 9 and the Area 8 Plan of Operations.	Dependent on project schedule
26.b		SWD has indicated intent to request to reactivate Areas 5 and 6. Prior to placing additional waste in Areas 5 and/or 6, the following requirements shall be met. • In addition to the criteria in WAC 173-351-730(3), the application in Task 26 should describe the proposed filling and environmental controls for Areas 5 and 6. In addition to the application, the following documents are required for approval to place additional waste in Areas 5 and 6. • Submit the Plan of Operations for Areas 5 and 6. The Plan of Operations shall describe the environmental control systems in place during filling. • Provide a statement signed by a licensed engineer who was responsible for the construction, that the work was completed as designed and constructed in accordance with standard industry practices. • Describe the status of the Areas 5 and 6 Top Deck Preparation construction. • Request the adoption of the Areas 5 and 6 Plan of Operations and Closure Plan upon approval. • Request to reactivate Areas 5 and/or 6 for waste disposal following approval of the Plan of Operations. • Identify compliance tasks and implementation schedule associated with the reactivation of the Areas 5 and 6.	Dependent on project schedule

TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
26.c		SWD has indicated intent to design and construct a new Area 9. Prior to placement of waste in Area 9, the following requirements shall be met. • Describe the current disposal plans and projected schedule for Area 8, 5, 6, and 9. • Request to engage Public Health and Ecology in the review and approval of the Area 9 lining system design in accordance with WAC 173-351-720(4)(a), WAC 173-351-720(6) and WAC 173-351-730(3), (5), and (6). • Submit a Construction Quality Assurance (CQA) Plan. • Provide a schedule for Area 9 design and review tasks. • Submit a CQA Report. This report shall document that Area 9 was constructed according to approved lining plans and met requirements of the CQA Plan.	Dependent on project schedule
27	WAC 173-351-720(4) WAC 173-351-730(5) and (6)	Submit Issued for Construction version of the Areas 5 and 6 Top Deck Preparation plans and specifications to Public Health and Ecology by the start of construction.	Prior to start of construction
28	WAC 173-351-720(4) WAC 173-351-730(5) and (6)	Submit Issued for Construction version of the Area 8 Stage 1 Closure (Schedule A) and Area 9 Demolition and Excavation (Schedule B) plans, specifications, and construction quality assurance report to Public Health and Ecology by the start of construction.	Prior to start of construction
29	WAC 173-351-500(1)(g) WAC 173-351-750(6) WAC 173-351-730(6)	Submit Construction Quality Assurance (CQA) Report for Area 8 Stage 1 Closure. The licensed engineer who supervised construction should certify that the construction activities were performed in accordance with the design plans, specifications, and construction quality assurance plan.	Within 90 days of construction completion
30	WAC 173-351-720(4)(a)	Provide periodic project updates to Public Health and Ecology on all construction activities at CHRLF, including but not limited to Areas 5 and 6 Top Deck Preparation, Area 8 Stage 1 Closure, and Area 9 Demolition and Excavation. Public Health and Ecology should be invited to regular construction oversight meetings.	Dependent on project schedule
31	WAC 173-351-730(1)(a)(ii)(B) and (C)	Provide preliminary design documents related to Area 9 development to Public Health and Ecology for informational purposes. Public Health and Ecology should be provided with an opportunity to review and comment on the 60 and 90 percent design documents.	Dependent upon project schedule

TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
32	WAC 173-240 -130 WAC 173-350-330	Provide design documents for leachate lagoons upgrades to Public Health and Ecology. Surface impoundments and tanks should abide by WAC 173-350-330. Preliminary design documents should be provided for informational purposes. Public Health and Ecology should be provided with an opportunity to review and comment on the 60 and 90 percent design documents. Provide schedule updates for planned construction. Provide copies of all submittals to King County Industrial Waste (KCIW) relating to pretreatment facility improvements.	Dependent upon project schedule
33	WAC 173-351-750(1)	Submit copies of reports to Public Health and Ecology that relate to landfill gas collection and control performance and fugitive emissions and corrective design to optimize capture and recovery, including but not limited to dual phase well installation work plans, performance reports, and pilot studies.	March 31, 2025
Corrective Action Tasks (Ecology's Solid Waste Management Program provides technical consultation on the independent cleanup actions in accordance with WAC 173-340-515(5) through the solid waste permit)			
34	WAC 173-360A WAC 173-340-450 WAC 173-340-600(20) WAC 173-351-460 and -465 WAC 173-351-720(4)(a)	Underground storage tank (UST) removals associated with Area 9 Demolition and Excavation construction project: KCSWD should ensure that their construction contractor secures applicable demolition and UST removal permits from the Department of Local Services and provides 30-day notices and closure notices to Ecology for the UST removals. Notify Public Health and Ecology when tank decommissioning and cleanup will occur. Provide Public Health and Ecology Solid Waste Management Program with copies of 30-Day Notice, UST removal documentation and notices, and associated sampling and characterization reports related to UST removals.	Concurrent with 30-day Notice to Ecology UST Program
35	WAC 173-340, WAC 173-351-120 WAC 173-340-600(20)	Provide periodic updates on the Phase II interim actions at the East Perched Zone (EPZ). This activity may follow the Site-Wide Hydrogeologic Report. Resume landfill gas monitoring and reporting at Passage Point facility.	Ongoing

TASK No.	REFERENCE	REQUIREMENT	DUE DATE/ FREQUENCY
36	WAC 173-351-440 and WAC 173-340-430	As requested in Ecology's 7/19/2022 letter (attachment to Public Health's 7/21/2022 letter), evaluate the impacts of landfill gas migration and landfill gas collection optimization to groundwater quality in the perched aquifer and the regional aquifer. This evaluation shall: • Assess the Phase I interim action activities. • Prioritize Phase II interim actions. • Evaluate these measures for other areas of the landfill (e.g., installation of deep landfill gas extraction wells near MW-74R). This activity may follow the Site-Wide Hydrogeologic Report.	Ongoing
37	WAC 173-351-220(11)	Provide Public Health and Ecology courtesy copies of all submittals required by King County Industrial Waste as specified in the Revised Compliance Order dated October 29, 2019, as implemented or amended.	Periodic (minimum quarterly updates)

SECTION III. SURFACE IMPOUNDMENTS

This section provides additional requirements for the Leachate Lagoons, Contaminated Surface Water (CSW) Lagoon, and associated pipelines which are authorized in Section IV (Summary of MSWLF Units and Authorized Activities) of Permit PR0015736, as reissued on May 7, 2019. All surface impoundments, tanks, and pipelines that store, convey, or otherwise manage solid waste shall abide by WAC 173- 350- 330.

SECTION IV. SUMMARY OF ADDITIONAL AUTHORIZED ACTIVITIES FOR MSWLF UNITS

This section modifies Section IV of Permit PR0015736 for additional authorized activities.

A. MWSLF Unit Names: Areas 5 and 6

- In accordance with Section VII.E of Permit PR0015736, KCSWD submitted 100% design plans and specifications, entitled Areas 5 and 6 Top Deck Preparation. Public Health has approved the preparation of Areas 5 and 6 for additional filling. The licensed engineer who supervised construction must certify that construction was completed in accordance with the plans and specifications within 90 days of completion.

- KCSWD projects filling Areas 5W, 5E, and 6 between 2026 and 2030.

- KCSWD is required to make a good faith effort to keep the maximum height of Areas 5 and 6 at or below 788 feet above sea level in accordance with a 2000 Settlement Agreement.

- KCSWD must submit a Plan of Operations and Closure Plan for Areas 5 and 6 for Public Health approval in accordance with WAC 173-351-730(1)(b)(iv), WAC 173-351-210, and WAC 173-351-500(1)(b). Public Health cannot approve the placement of waste into Areas 5W, 5E, or 6 until approval of the final Plan of Operations and Closure Plan.

- KCSWD must apply to modify the permit in accordance with WAC 173-351-720(6) and WAC 173-351-730(3) to authorize the reactivation of Areas 5 and 6 and adopt their Plan of Operations and Closure Plan. The permit modification application must be submitted using Ecology Publication No. ECY 070-401 (Application for Modification of Solid Waste Handling Permit). https://ecology.wa.gov/Regulations-Permits/Reporting-requirements/Solid-waste- facilities-reporting and https://apps.ecology.wa.gov/publications/summarypages/ecy070401.html.

B. MSWLF Unit Name: Area 9

- The lateral expansion of Cedar Hills is supported by the 2019 Solid Waste Management Plan (November 2019), the Environmental Impact Statement for the 2020 Site Development Plan and Facility Relocation (March 2022), and the 1960 Special Permit.

- KCSWD projects initiating waste disposal in Area 9 in 2029.

- KCSWD submitted 100% design plans and specifications, entitled Area 9 Demolition and Excavation (Schedule B), which were subject to Public Health and Ecology review.

- KCSWD is subject to MSWLF Permit No. PR0015736 with Public Health and a Construction Stormwater General Permit with Ecology for the Area 9 Demolition and Excavation project.

- KCSWD should ensure that their construction contractor secures applicable demolition and underground storage tanks (USTs) permits from the Department of Local Services and provides 30-day notices and closure notices to Ecology for the UST removals. Specification 02 41 00-2 (Demolition) and Specification 02 65 00-1 (Underground Storage Tank Removal) provide applicable contractor requirements.

- KCSWD must apply to modify the permit to engage Public Health and Ecology in the review and approval of the Area 9 lining system design in accordance with WAC 173-351-720(6) and WAC 173-351-730(3), (5), and (6) (as part of Task No. 26 in Section II). The permit modification application must be submitted using Ecology Publication No. ECY 070-401 (Application for Modification of Solid Waste Handling Permit).

- KCSWD must renew the permit before Public Health can authorize waste disposal into Area 9 in accordance with WAC 173-351-720(7) and WAC 173-351-730(3) and (4). Permit renewals are subject to the public notification process. The permit renewal application must be submitted using Ecology Publication No. ECY 040-174 (Renewal Application for a Solid Waste Permit). The reissuance application must be filed at least 90 days before the existing permit expires, in accordance with WAC 173-351-720(7), and at least 90 days before the requested approval to place waste in Area 9, consistent with WAC 173-351-720(1)(f).

SECTION V. REPORTING REQUIREMENTS

A. The Permittee shall evaluate well analytical results against the upper prediction limit (UPL) within 30 days of receipt of the groundwater analytical data until the SAP is revised in accordance with Compliance Task 24. The data will be:

1) Reviewed per the approved Sampling and Analysis Plan / Quality Assurance and Project Plan (SAP/QAPP) and,
2) Additional notification is required per WAC 173-351-415(2)(c). Notification of any statistical increases and concentrations above the criteria in Chapter 173-200 WAC per WAC 173-351-420(3)(b) - Table 3 of quarterly reports and Tables 4-3 of Annual Reports due in emails to Public Health and Ecology within 30 days of receipt of analytical data.

KCSWD will continue the process outlined in the current SAP – "In the event that concentrations of contaminants exceed the UPL, Permittee shall retest per the approved SAP, Section 15.4.3.6. Public Health must be notified of a confirmed exceedance within 14 days of receiving analytical results of the retest."

An assessment and monitoring program is required if the retesting plan confirms the UPL exceedance. Figure 15.2 of the approved SAP/QAPP illustrates the retesting, assessment monitoring, and corrective action requirements for 1) of this section. Public Health and Ecology will determine if additional assessment monitoring is required following receipt of Tables outlined in 2).

SECTION VI. NOTIFICATION OF VIOLATIONS AND ORDERS

The permittee shall report all notices of violations and/or orders received from any regulatory body to Public Health within 14 calendar days upon receipt.

Attachment B

Tonnage Report

ANNUAL REPORT
MUNICIPAL SOLID WASTE LANDFILL

FACILITY NAME: Cedar Hills Regional Landfill	CALENDAR YEAR OF REPORT: 2025	PERMIT NUMBER: PR0015736	FACILITY ID: 385
FACILITY LOCATION (street address): 6645 228th Avenue SE, Maple Valley, WA 98038	COUNTY: King		
FACILITY CONTACT (name): Christopher Stubbs	FACILITY PHONE: (206)-477-4466		
FACILITY CONTACT MAILING ADDRESS (if different): 201 S. Jackson St., Suite 6400	FACILITY CONTACT PHONE (if different): 206-477-4501	FACILITY CONTACT EMAIL: chstubbs@kingcounty.gov	

Did you operate in 2025?

☑ Yes ***If yes***, proceed to next section and complete the form.

☐ No ***If no***, answer the following questions, sign and date the last page, and submit. This completes your reporting obligations.

When did you stop operations? _____

Do you plan to restart? ☐ No ☐ Yes When? _____

AMOUNTS AND TYPES OF WASTE DISPOSED PER YEAR

PLEASE CHECK IF DISPOSED	AMOUNT DISPOSED Please check: ☐ Cubic Yards or ☒ Tons
☒ Municipal/Commercial Solid Waste	833,688
☐ Construction/Demolition Waste	
☐ Yard Waste (disposed)	
☐ Food Processing Waste (disposed)	
☐ Landclearing Debris	
☒ Industrial Waste	3104.73
☐ Inert Waste	
☐ Wood Waste	
☐ Ash (other than special incinerator ash)	
☐ Dredged Materials	
☒ Sewage Sludge	3108.95
☒ Asbestos	3050.84
☐ Petroleum Contaminated Soils	
☐ Other Contaminated Soils	
☐ Tires (disposed)	
☒ Medical Waste	2435.71
☒ Other (specify): S/W	2777.03
☒ Other (specify): 13R - Other Waste	2910.78
Total	**851,076.04**

DID YOU RECEIVE MATERIALS FOR RECYCLING? ☒ Yes (Please specify on pages 3-4.) ☐ No

ADDITIONAL INFORMATION (please check if attached):

☒ Attach results of ground water monitoring in accordance with WAC 173-351-415(1)

☒ Attach applicable financial assurance information in accordance with WAC 173-351-600

☐ For landfills with RD&D allowances, attach report showing progress toward project goals and a summary of monitoring and test results in accordance with WAC 173-351-710(3)(e)

Are you open to the public? ☐ Yes ☒ No

Tip fees (Attach schedule if available):

See Attachment C – Disposal Fees

REMAINING PERMITTED CAPACITY:

In tons: 3.542 million tons (as of October 14, 2025) in Area 8 plus Areas 5/6, assuming 1600 lbs/CY density of refuse for A8 & 1300 lbs/CY for A5/6.

Estimated Date of Closure: January, 2030

Are you planning an expansion this year?

☒ Yes ☐ No

ENERGY RECOVERY FROM LANDFILL:

Power Produced Annually: ~286,090 MMBTU of landfill gas was refined by the Cedar Hills Renewable Gas to Energy (CHRGE) Plant in 2025.

During the reporting year, were there any changes in your management practices that would impact your operations?

☒ No ☐ Yes (specify) _____

Are there any new solid waste activities planned at your site for this calendar year? ☒ No ☐ Yes (specify) _____

_____

Planned start date: N/A

DID YOU RECEIVE MATERIALS FOR DISPOSAL FROM:	WHERE FROM	TYPE OF WASTE	ESTIMATE AMOUNT ☐Tons or ☐Cubic Yards
Out of County? ☐ Yes ☒ No			
Out of State? ☐ Yes ☒ No			
Out of Country? ☐ Yes ☒ No			

NOTE: Please ONLY fill in this chart if you collected materials for RECYCLING or COMPOSTING

AMOUNTS AND TYPES OF MATERIALS COLLECTED FOR RECYCLING OR COMPOSTING

PLEASE CHECK IF RECEIVED FOR RECYCLING or COMPOSTING	COMMERCIAL Please check: ☐ Cubic Yards/Year or ☒ Scaled Tons/Year	RESIDENTIAL Please check: ☐ Cubic Yards/Year or ☒ Scaled Tons/Year	TOTAL AMOUNT RECEIVED Please check: ☐ Cubic Yards/Year or ☒ Scaled Tons/Year
☐ Newspaper			
☒ Corrugated Paper			1.85 tons
☐ Mixed Waste Paper			
☐ Container Glass			
☐ PET Plastics			
☐ HDPE Plastics			
☐ LDPE Plastics			
☐ Other Recyclable Plastics			
☐ Aluminum Cans			
☐ Tin Cans			
☐ Ferrous Metals (iron, steel)			
☐ Nonferrous Metals (excluding aluminum cans)			
☐ Appliances (white goods)			
☐ Electronics (computers, CPUs, hard drives)			
☐ Electronics (monitors, TVs)			
☐ Tires (collected)			
☐ Asphalt			
☐ Concrete			
☐ Construction/Demolition			
☐ Wood Waste			
☐ Landclearing Debris			
☐ Yard Debris			
☐ Food/Food Scraps			
☐ Textiles (rags, clothing)			
☐ Co-Mingled Recyclables (specify):			
☒ Other (specify): Mixed Metals			25.78 tons
Total			**27.63 tons**

NOTE: Please ONLY fill in this chart if you collected materials for RECYCLING or COMPOSTING DESTINATION AND FINAL USE OF OUTGOING MATERIALS COLLECTED FOR RECYCLING or COMPOSTING			
MATERIAL	**OUTGOING AMOUNT** Please specify tons or cubic yards.	**DESTINATION FACILITY** Please specify name, city, state.	**FINAL USE** Please specify: disposed, recycled, reused, composted, treated, burned for energy, stockpiled, etc.
Corrugated Cardboard	1.85 tons	Key Works MRF, Seattle, WA	Recycling
Mixed Scrap Metal	25.78 tons	Binford Metals, Kent, WA	Recycling
PREPARED BY: Kris McArthur	DATE: 1/15/2026	PHONE: 206-477-4466	
EMAIL: kris.mcarthur@kingcounty.gov		DATE: 1/15/2026	PHONE: 206-477-4466

ADA Accessibility

The Department of Ecology is committed to providing people with disabilities access to information and services by meeting or exceeding the requirements of the Americans with Disabilities Act (ADA), Section 504 and 508 of the Rehabilitation Act, and Washington State Policy #188.

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Attachment C

Disposal Fees

Department of Natural Resources and Parks

King County

Solid Waste Division

King County Solid Waste Division announces 2026 rates
King County, Washington sent this bulletin at 09/29/2025 04:01 PM PDT

New solid waste disposal rate supports essential services for King County

Beginning January 1, 2026, King County's Solid Waste Division will enact the following rate adjustments, approved by the King County Council on September 16.

New minimum fees will change to $40.25 per vehicle and $243.38 per ton for self-haul customers. Contract haulers will pay $191.47 per ton, in addition to their fixed annual charge. Yard and wood waste fees will increase to $20.70 for sedans and two-door hatchbacks, with a weighted rate of $129.38 per ton for all other customers. Discounts for qualifying low-income customers will also change, increasing from $18 to $20.

Revenue from the 2026 rate will allow the Solid Waste Division to continue essential services and avoid cuts to vital programs and services, while supporting capital projects and programs crucial to environmental progress on climate change mitigation, recycling and waste reduction efforts.

KING COUNTY 2026 SOLID WASTE DISPOSAL FEE RATES

SOLID WASTE DISPOSAL FEE TYPE	KING COUNTY [1] PER-TON FEE	MODERATE RISK [2] WASTE SURCHARGE	WA STATE REFUSE TAX (3.6%)	TOTAL
Minimum Fee [3]	$36.39	$2.23	$1.32	$40.25
Per-ton Fee (Self-Haul)	$229.29	$5.84	$8.25	$243.38
Per-ton Fee (Contract)	$179.18	$5.84	$6.45	$191.47
Charitable Organizations				
Minimum Fee [3]	$28.25	$2.23	$1.02	$31.50
Per-ton Fee	$176.55	$5.84	$6.36	$188.75
Special Waste				
Minimum Fee [3]	$44.02	N/A	$1.58	$45.60
Per-ton Fee	$275.14	N/A	$9.91	$285.05
Min. Extra Handling Charge	$51.36	N/A	$1.85	$53.21
Per-ton Extra Handling Charge	$321.01	N/A	$11.56	$332.57
Cedar Hills Regional Direct	$194.89	N/A	N/A	$194.89
Yard Waste & Clean Wood				
Minimum Fee [3]	$20.70	N/A	N/A	$20.70
Per-ton Fee	$129.38	N/A	N/A	$129.38
Cleanup LIFT Discount	$20.00	N/A	N/A	$20.00

1 Solid waste contract collection companies pay only per-ton-fee at King County solid waste disposal facilities.
2 The King County Board of Health has approved increases in the surcharge that funds hazardous waste programs.
3 The standard minimum fee may be rounded to the nearest quarter per King County Code 10.12.030.

Additional messaging about the new rate to the general public and solid waste facility customers will begin in mid-October and continue through the end of the year.

We value our relationship with you. If you have any questions or comments about the newly adopted rates and our future service plans, please contact the King County Solid Waste Division at 206-477-4466.

Attachment D

Landfill Capacity Documentation

Volume Report

Cedar Hills Landfill
Maple Valley, WA

Presented to:
King County Department of Natural Resources
Solid Waste Division
201 South Jackson Street #701
Seattle, WA 98104

Submitted by:

860 McKinley Street
Eugene, OR 97402

November 19, 2025

GeoTerra

Cedar Hills Landfill
Job # 250354
(Volumes Computed TIN surface to TIN surface)
Photo Dates: 8 July 2025 to 14 October 2025
Iteration-to-Iteration Volume Calculations

	Area	Volume (ft^3)			Volume (yd^3)		
Zone Name	(ft^2)	Cut(-)	Fill(+)	Net	Cut(-)	Fill(+)	Net
1	3,393,126	785,454	92,535	692,919	29,091	3,427	25,664
2	2,117,421	53,829	33,957	19,872	1,994	1,258	736
3	1,930,151	42,232	69,449	-27,217	1,564	2,572	-1,008
4	799,157	9,116	598,986	-589,870	338	22,185	-21,847
5	2,345,187	60,112	10,597,671	-10,537,559	2,226	392,506	-390,280
6	1,569,679	10,553,738	1,149,808	9,403,930	390,879	42,586	348,294

Cedar Hills Landfill
Job # 250354
(Volumes Computed TIN surface to TIN surface)
Photo Dates: 31 May 2019 to 14 October 2025
Cumulative Volumes from Defined Base (Summer 2019 GT #190241)

	Area	Volume (ft^3)			Volume (yd^3)		
Zone Name	(ft^2)	Cut(-)	Fill(+)	Net	Cut(-)	Fill(+)	Net
1	3,393,126	849,656	4,831,089	-3,984,433	31,469	178929	-147,461
2	2,117,421	80,961	5,050,254	-4,969,293	2,999	187,046	-184,048
3	1,930,151	1,117,231	17,745,359	-16,628,128	41,379	657,236	-615,857
4	799,157	9,542	8,126,485	-8,116,943	343	300,981	-300,628
5	2,345,187	54,292	21,512,103	-21,457,811	2,011	796,745	-794,734
6	1,569,679	170,306,298	1,659,906	168,646,392	6,307,641	61,478	6,246,163

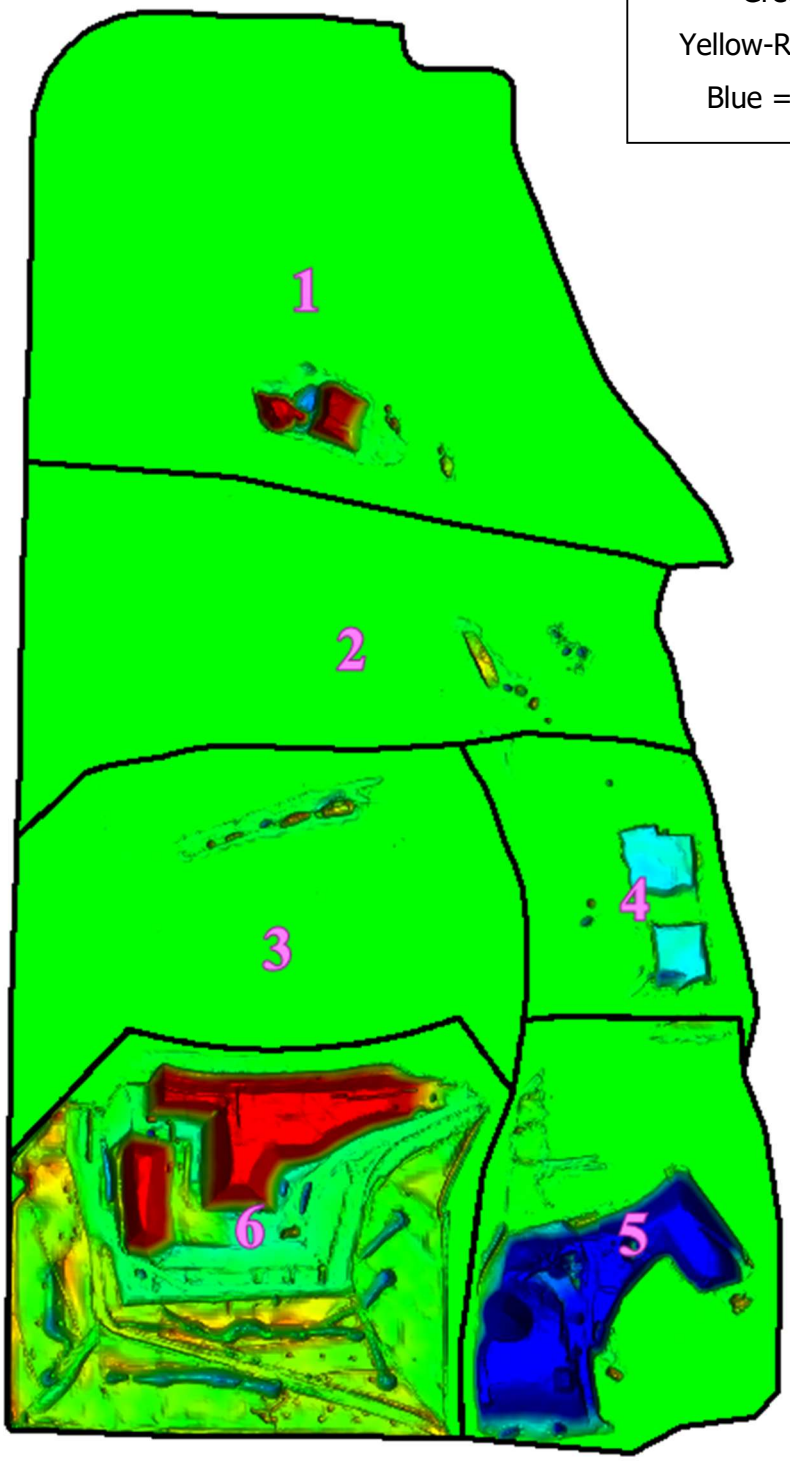
GeoTerra

Cedar Hills Landfill
Volume Comparison from Summer 2025 to Fall 2025
Isopach Surface

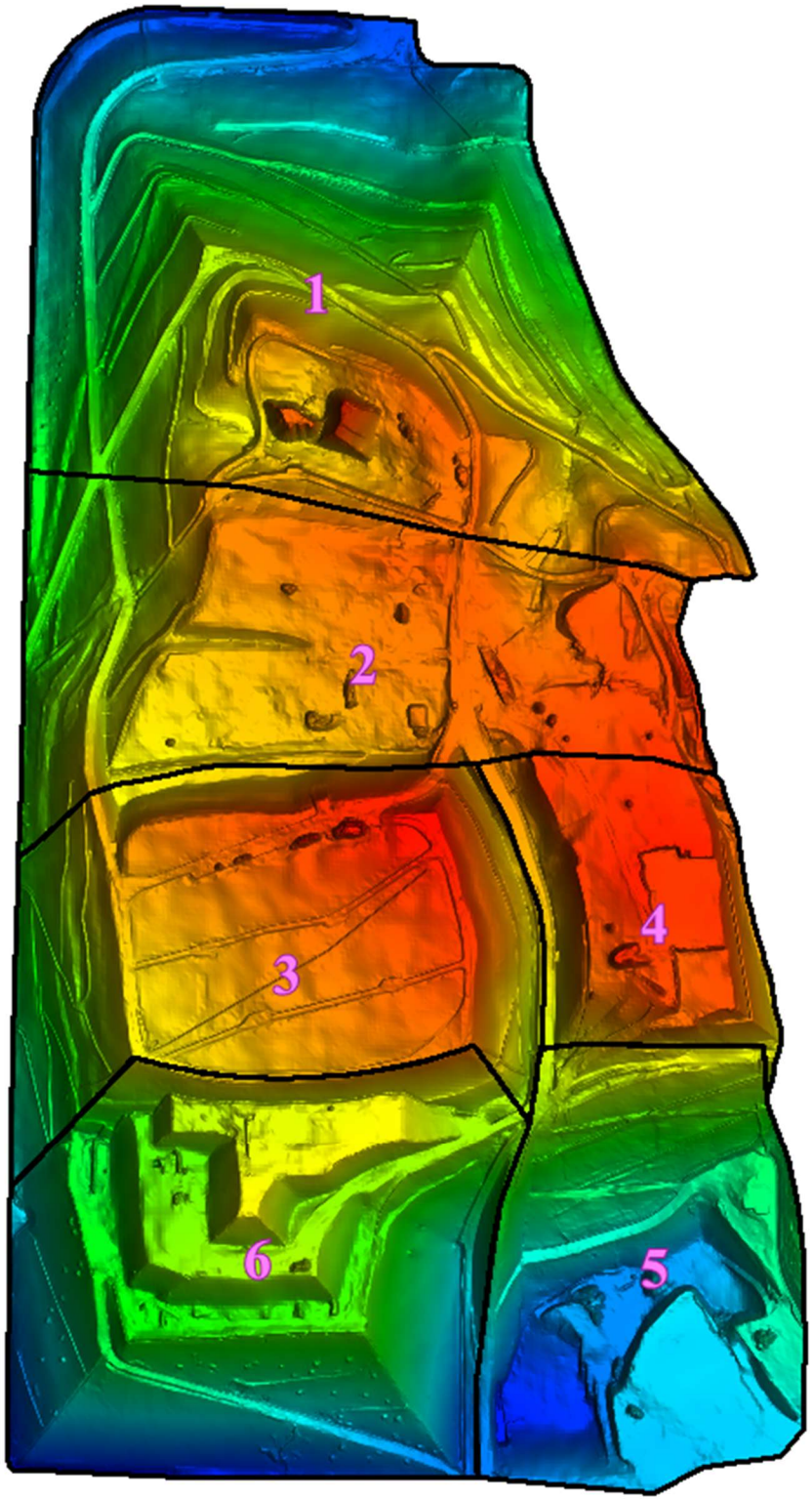
Green = no change

Yellow-Red = material added

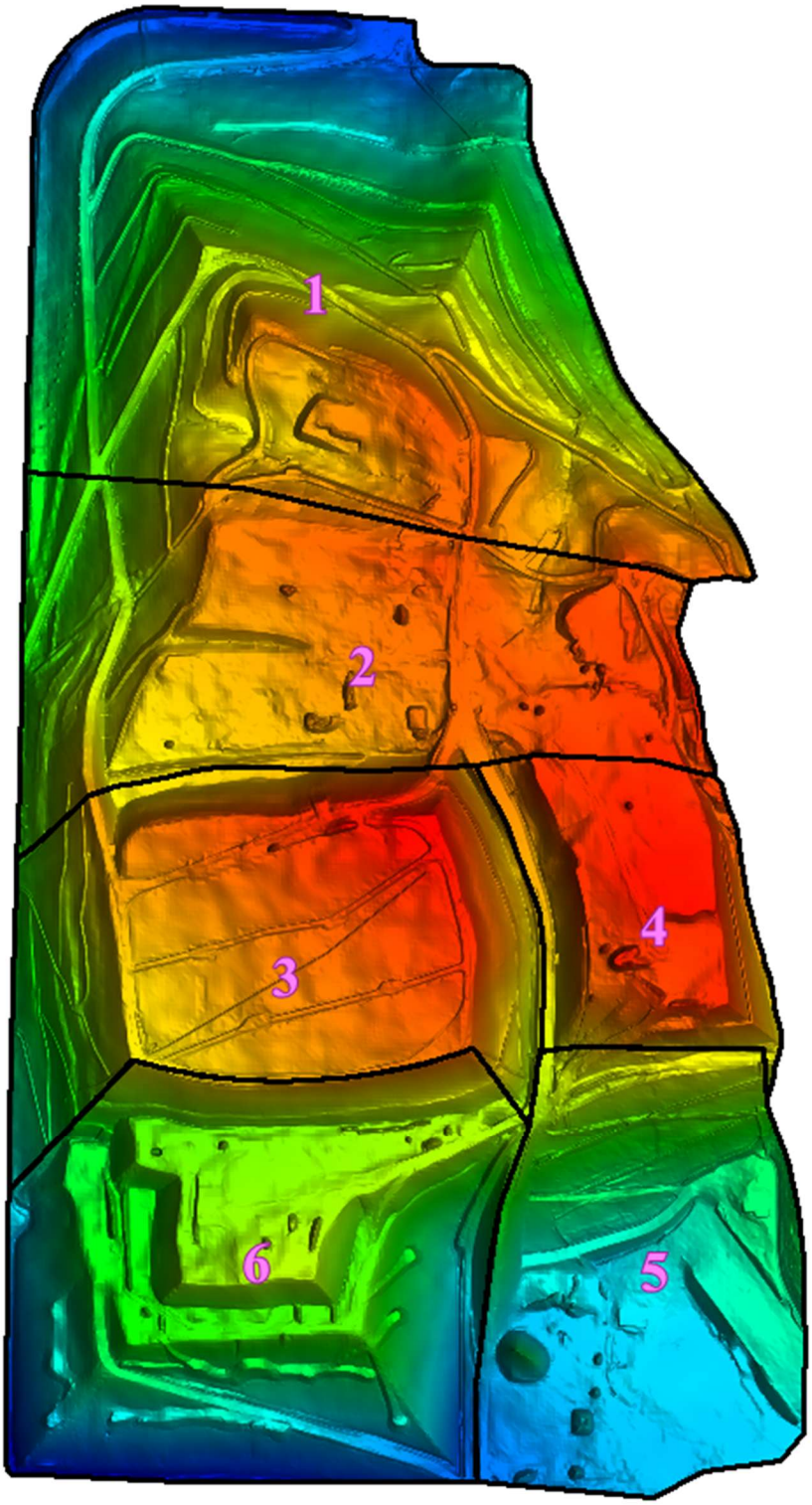
Blue = material removed



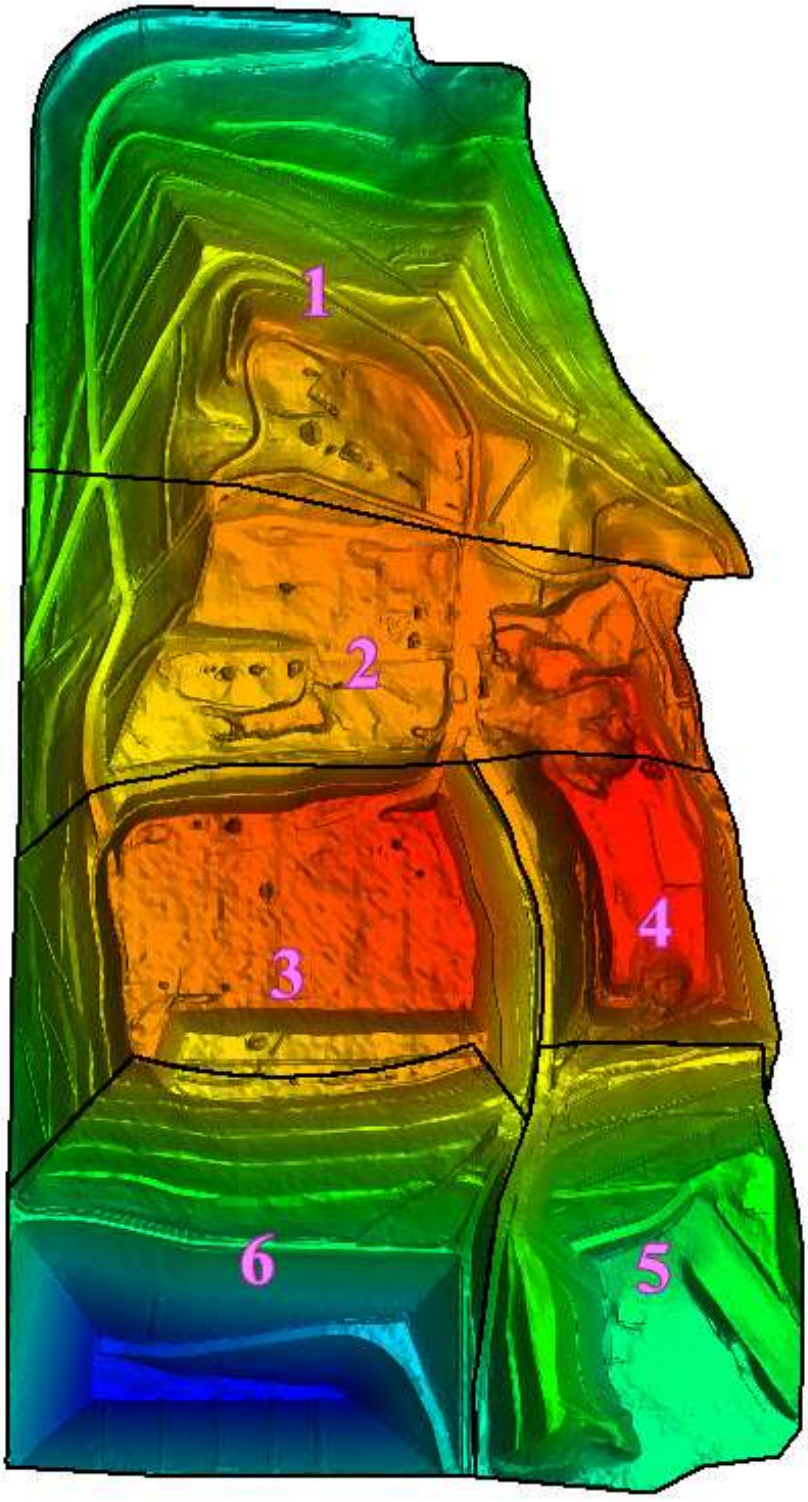
Perspective view (Hill shade): Fall 2025 surface



Perspective view (Hill shade): Summer 2025 surface

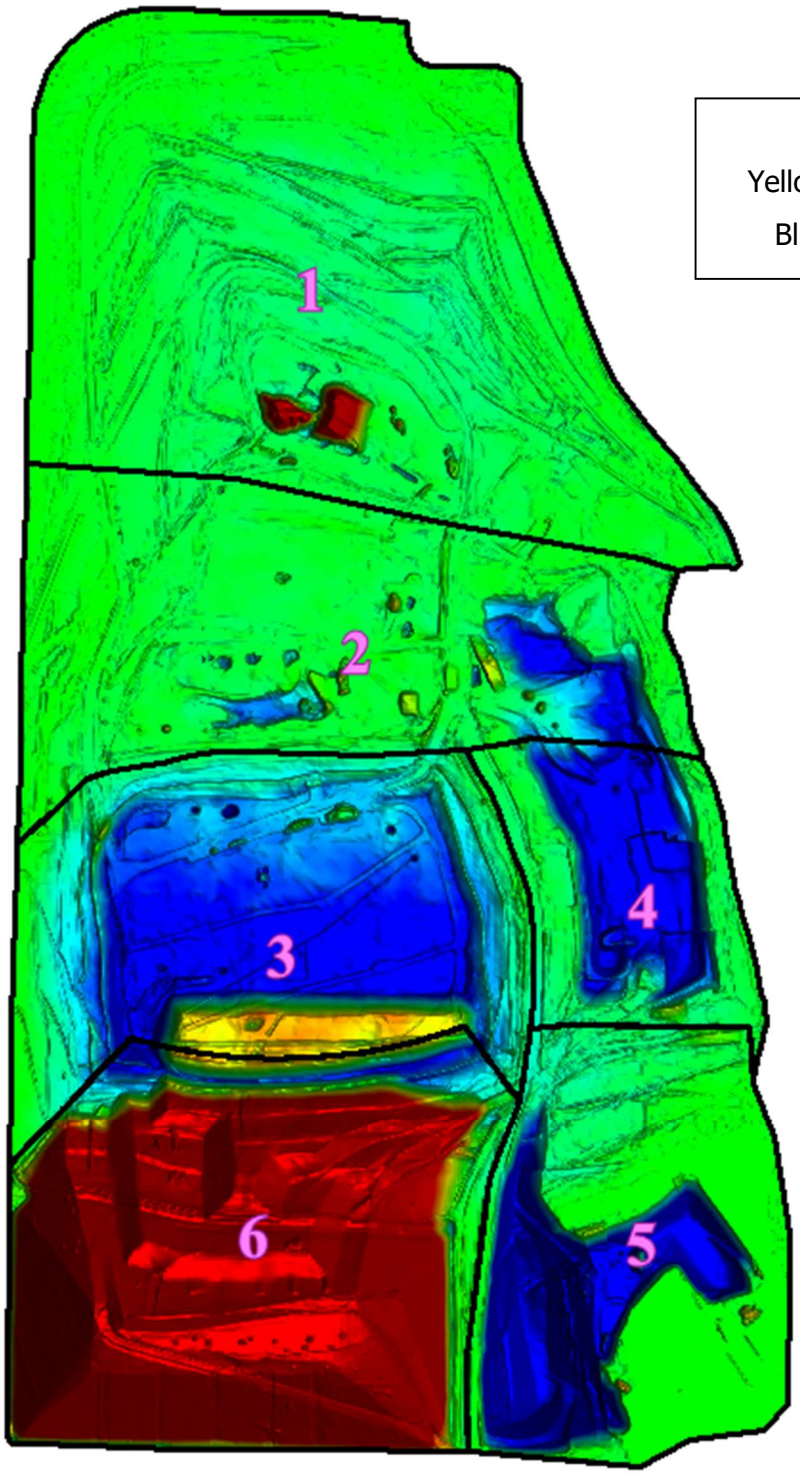


Perspective view (Hill shade): Summer 2019 (Defined Base) surface



GeoTerra

Cedar Hills Landfill
Volume Comparison from Summer 2019 (Defined Base) to Fall 2025
Isopach Surface



Green = no change

Yellow-Red = material added

Blue = material removed

KING COUNTY SOLID WASTE DIVISION
CEDAR HILLS REGIONAL LANDFILL CAPACITY

Disposal Areas		Area 8 [2]	Areas 5 & 6	Total System Capacity
Area Capacity (CY)		1,593,837	3,487,430	5,081,267
Capacity (tons) @ 1600 lbs/CY A8 & 1300 lbs/CY A5/6		1,275,070	2,266,830	3,541,899
Date	**Monthly Tonnage [3]**	**Area 8 Remaining Capacity (tons)**	**Areas 5 & 6 Remaining Capacity (tons)**	**Total Remaining Capacity (tons)**
October, 2025	38,856	1,236,214	2,266,830	3,503,043
November, 2025	65,539	1,170,675	2,266,830	3,437,504
December, 2025	72,256	1,098,419	2,266,830	3,365,248
January, 2026	69,808	1,028,610	2,266,830	3,295,440
February, 2026	69,808	958,802	2,266,830	3,225,631
March, 2026	69,808	888,994	2,266,830	3,155,823
April, 2026	69,808	819,185	2,266,830	3,086,015
May, 2026	69,808	749,377	2,266,830	3,016,206
June, 2026	69,808	679,569	2,266,830	2,946,398
July, 2026	69,808	609,760	2,266,830	2,876,590
August, 2026	69,808	539,952	2,266,830	2,806,781
September, 2026	69,808	470,144	2,266,830	2,736,973
October, 2026	69,808	400,335	2,266,830	2,667,165
November, 2026	69,808	330,527	2,266,830	2,597,356
December, 2026	69,808	260,719	2,266,830	2,527,548
January, 2027	69,575	191,144	2,266,830	2,457,973
February, 2027	69,575	121,569	2,266,830	2,388,398
March, 2027	69,575	51,994	2,266,830	2,318,823
April, 2027	69,575	(17,581)	2,249,248	2,249,248
May, 2027	69,575	--	2,179,673	2,179,673
June, 2027	69,575	--	2,110,098	2,110,098
July, 2027	69,575	--	2,040,523	2,040,523
August, 2027	69,575	--	1,970,948	1,970,948
September, 2027	69,575	--	1,901,373	1,901,373
October, 2027	69,575	--	1,831,798	1,831,798
November, 2027	69,575	--	1,762,223	1,762,223
December, 2027	69,575	--	1,692,648	1,692,648

KING COUNTY SOLID WASTE DIVISION
CEDAR HILLS REGIONAL LANDFILL CAPACITY

Disposal Areas		Area 8 [2]	Areas 5 & 6	Total System Capacity
Area Capacity (CY)		1,593,837	3,487,430	5,081,267
Capacity (tons) @ 1600 lbs/CY A8 & 1300 lbs/CY A5/6		1,275,070	2,266,830	3,541,899
Date	**Monthly Tonnage [3]**	**Area 8 Remaining Capacity (tons)**	**Areas 5 & 6 Remaining Capacity (tons)**	**Total Remaining Capacity (tons)**
January, 2028	69,908	--	1,622,740	1,622,740
February, 2028	69,908	--	1,552,831	1,552,831
March, 2028	69,908	--	1,482,923	1,482,923
April, 2028	69,908	--	1,413,015	1,413,015
May, 2028	69,908	--	1,343,106	1,343,106
June, 2028	69,908	--	1,273,198	1,273,198
July, 2028	69,908	--	1,203,290	1,203,290
August, 2028	69,908	--	1,133,381	1,133,381
September, 2028	69,908	--	1,063,473	1,063,473
October, 2028	69,908	--	993,565	993,565
November, 2028	69,908	--	923,656	923,656
December, 2028	69,908	--	853,748	853,748
January, 2029	70,092	--	783,656	783,656
February, 2029	70,092	--	713,565	713,565
March, 2029	70,092	--	643,473	643,473
April, 2029	70,092	--	573,381	573,381
May, 2029	70,092	--	503,290	503,290
June, 2029	70,092	--	433,198	433,198
July, 2029	70,092	--	363,106	363,106
August, 2029	70,092	--	293,015	293,015
September, 2029	70,092	--	222,923	222,923
October, 2029	70,092	--	152,831	152,831
November, 2029	70,092	--	82,740	82,740
December, 2029	70,092	--	12,648	12,648
January, 2030	**70,058**	**--**	**(57,410)**	**--**

[1] Area 7 stopped receiving waste as of summer of 2019.

KING COUNTY SOLID WASTE DIVISION
CEDAR HILLS REGIONAL LANDFILL CAPACITY

Disposal Areas		Area 8 [2]	Areas 5 & 6	Total System Capacity
Area Capacity (CY)		1,593,837	3,487,430	5,081,267
Capacity (tons) @ 1600 lbs/CY A8 & 1300 lbs/CY A5/6		1,275,070	2,266,830	3,541,899
Date	**Monthly Tonnage [3]**	**Area 8 Remaining Capacity (tons)**	**Areas 5 & 6 Remaining Capacity (tons)**	**Total Remaining Capacity (tons)**

[2] Area 8 Capacity: Capacity cut volume of 6.246 MCY for Area 8 was calculated by Geoterra consultant for the 10/14/2025 Aerial flyover.

[3] Monthly tonnage either actual amounts (Cell B46 in Tonnage Report for each month), or based on February 2025 forecast into future months. Flyovers that occur within the middle of the month prorate the capacity for the remaining tonnage in the same month.

Attachment E

Financial Assurance Documentation

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast

Mar-25	Forecast	10 Year Avg	2.5%

Item	Source	Reference	Date	2023	2024	2025	2026
Starting Balance					46,056,270	61,933,948	44,593,593
CH New Area Development - C91001					-	-	-
CH Facility Improvement - C91002					(3,781,375)	(12,876,812)	(8,383,395)
Closure - C91003					(1,471,676)	(20,714,986)	(17,949,695)
Post-Closure Maintenance - C91004							
Scen Adju							
Total Expenses					(5,253,051)	(33,591,798)	(26,333,089)
Interest Earned					1,298,126	2,416,801	1,794,445
Tonnage	*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*			839,606	815,722	836,755
Transfer Revenue				16.33	13,710,766	13,834,641	15,010,586
Total Revenues					15,008,892	16,251,443	16,805,031
Provisional Balance					55,812,111	44,593,593	35,065,534
Post-Closure Maintenance Reserve	(equal to amount previously transferred into C91004 CC)		as of 12/31/23	46,056,270	51,700,224	51,700,224	51,700,224
Construction Balance					4,111,887	(7,106,631)	(16,634,689)
LRF Transfer (per ton)					16.33	16.96	17.94
Default CC					9.61	16.96	17.94
Post-Closure Maintenance - C91004					6.72	-	0.00

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast	Target Increase	8.50%

Item	Source	Reference	Date	2027	2028	2029	2030	2031	2032	2033	2034
Starting Balance				35,065,534	35,810,995	49,102,882	69,518,043	92,079,400	116,979,777	137,085,258	159,780,997
CH New Area Development - C91001				-	-	-	-	-	-	-	-
CH Facility Improvement - C91002				(4,047,307)	(3,282,493)	-	-	-	-	-	-
Closure - C91003				(12,807,297)	(2,139,655)	-	-	-	(7,534,000)	(7,534,000)	(7,534,000)
Post-Closure Maintenance - C91004											
Scen Adju											
Total Expenses				(16,854,604)	(5,422,148)	-	-	-	(7,534,000)	(7,534,000)	(7,534,000)
Interest Earned				1,313,580	1,043,199	1,242,303	1,758,806	2,329,609	3,150,199	3,658,867	4,233,069
Tonnage	*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*		828,910	827,810	824,895	806,463	775,949	736,777	703,704	686,259
Transfer Revenue				16,286,485	17,670,837	19,172,858	20,802,551	22,570,768	24,489,283	26,570,872	28,829,396
Total Revenues				17,600,065	18,714,035	20,415,161	22,561,357	24,900,376	27,639,481	30,229,739	33,062,465
Provisional Balance				35,810,995	49,102,882	69,518,043	92,079,400	116,979,777	137,085,258	159,780,997	185,309,463
Post-Closure Maintenance Reserve	(equal to amount previously transferred into C9100			51,700,224	51,700,224	72,314,352	94,685,644	118,957,317	144,007,743	167,921,528	193,867,985
Construction Balance				(15,889,229)	(2,597,341)	(2,796,309)	(2,606,243)	(1,977,541)	(6,922,485)	(8,140,531)	(8,558,522)
LRF Transfer (per ton)				19.65	21.35	23.24	25.79	29.09	33.24	37.76	42.01
Default CC				19.65	21.35	-1.75	-1.95	-2.19	-0.76	3.78	4.20
Post-Closure Maintenance - C91004				0.00	0.00	24.99	27.74	31.28	34.00	33.98	37.81

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast

									Closure	1	2	3
Item	Source	Reference	Date	2035	2036	2037	2038	2039	2040	2041	2042	
Starting Balance				185,309,463	213,934,297	245,942,131	281,644,551	321,380,237	365,517,282	351,693,858	351,940,925	
CH New Area Development - C91001				-	-	-	-	-	-			
CH Facility Improvement - C91002				-	-	-	-	-	-			
Closure - C91003				(7,534,000)	(7,534,000)	(7,534,000)	(7,534,000)	(7,534,000)	(15,000,000)			
Post-Closure Maintenance - C91004									(8,669,858)	(8,875,334)	(9,085,679)	
Scen Adju												
Total Expenses				(7,534,000)	(7,534,000)	(7,534,000)	(7,534,000)	(7,534,000)	(23,669,858)	(8,875,334)	(9,085,679)	
Interest Earned				4,878,940	5,603,148	6,412,946	7,316,217	8,321,530	9,846,435	9,122,401	9,133,973	
Tonnage	*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*		644,752	656,203	667,878	679,778					
Transfer Revenue				31,279,895	33,938,686	36,823,474	39,953,469	43,349,514				
Total Revenues				36,158,834	39,541,834	43,236,420	47,269,687	51,671,044	9,846,435	9,122,401	9,133,973	
Provisional Balance				213,934,297	245,942,131	281,644,551	321,380,237	365,517,282	351,693,858	351,940,925	351,989,219	
Post-Closure Maintenance Reserve	(equal to amount previously transferred into C9100			222,019,890	254,261,641	289,243,941	327,199,737					
Construction Balance				(8,085,593)	(8,319,511)	(7,599,391)	(5,819,500)					
LRF Transfer (per ton)				48.51	51.72	55.14	58.77					
Default CC				4.85	2.59	2.76	2.94					
Post-Closure Maintenance - C91004				43.66	49.13	52.38	55.84					

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast

				4	5	6	7	8	9
Item	Source	Reference	Date	2043	2044	2045	2046	2047	2048
Starting Balance				351,989,219	351,828,852	351,449,571	350,840,745	349,991,354	348,889,975
CH New Area Development - C91001									
CH Facility Improvement - C91002									
Closure - C91003									
Post-Closure Maintenance - C91004				(9,301,010)	(9,521,444)	(9,747,102)	(9,978,108)	(10,214,589)	(10,456,675)
Scen Adju									
Total Expenses				(9,301,010)	(9,521,444)	(9,747,102)	(9,978,108)	(10,214,589)	(10,456,675)
Interest Earned				9,140,643	9,142,162	9,138,276	9,128,717	9,113,210	9,091,470
Tonnage	*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*							
Transfer Revenue									
Total Revenues				9,140,643	9,142,162	9,138,276	9,128,717	9,113,210	9,091,470
Provisional Balance				351,828,852	351,449,571	350,840,745	349,991,354	348,889,975	347,524,770
Post-Closure Maintenance Reserve	(equal to amount previously transferred into C9100								
Construction Balance									
LRF Transfer (per ton)									

Default CC

Post-Closure Maintenance - C91004

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast

				10	11	12	13	14	15
Item	Source	Reference	Date	2049	2050	2051	2052	2053	2054
Starting Balance				347,524,770	345,883,472	343,953,371	341,721,301	339,173,620	336,296,204
CH New Area Development - C91001									
CH Facility Improvement - C91002									
Closure - C91003									
Post-Closure Maintenance - C91004				(10,704,498)	(10,958,195)	(11,217,904)	(11,483,768)	(11,755,934)	(12,034,549)
Scen Adju									
Total Expenses				(10,704,498)	(10,958,195)	(11,217,904)	(11,483,768)	(11,755,934)	(12,034,549)
Interest Earned				9,063,200	9,028,094	8,985,833	8,936,088	8,878,518	8,812,768
Tonnage	*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*							
Transfer Revenue									
Total Revenues				9,063,200	9,028,094	8,985,833	8,936,088	8,878,518	8,812,768
Provisional Balance				345,883,472	343,953,371	341,721,301	339,173,620	336,296,204	333,074,423
Post-Closure Maintenance Reserve	(equal to amount previously transferred into C9100								
Construction Balance									
LRF Transfer (per ton)									

Default CC

Post-Closure Maintenance - C91004

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast

				16	17	18	19	20	21
Item	Source	Reference	Date	2055	2056	2057	2058	2059	2060
Starting Balance				333,074,423	329,493,128	325,536,635	321,188,706	316,432,533	311,250,720
CH New Area Development - C91001									
CH Facility Improvement - C91002									
Closure - C91003									
Post-Closure Maintenance - C91004				(12,319,768)	(12,611,747)	(12,910,645)	(13,216,627)	(13,529,861)	(13,850,519)
Scen Adju									
Total Expenses				(12,319,768)	(12,611,747)	(12,910,645)	(13,216,627)	(13,529,861)	(13,850,519)
Interest Earned				8,738,473	8,655,253	8,562,716	8,460,455	8,348,049	8,225,061
Tonnage	*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*							
Transfer Revenue									
Total Revenues				8,738,473	8,655,253	8,562,716	8,460,455	8,348,049	8,225,061
Provisional Balance				329,493,128	325,536,635	321,188,706	316,432,533	311,250,720	305,625,262
Post-Closure Maintenance Reserve	(equal to amount previously transferred into C9100								
Construction Balance									
LRF Transfer (per ton)									

Default CC

Post-Closure Maintenance - C91004

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast

				22	23	24	25	26	27
Item	Source	Reference	Date	2061	2062	2063	2064	2065	2066
Starting Balance				305,625,262	299,537,528	292,968,239	285,897,449	278,304,523	270,168,117
CH New Area Development - C91001									
CH Facility Improvement - C91002									
Closure - C91003									
Post-Closure Maintenance - C91004				(14,178,776)	(14,514,813)	(14,858,815)	(15,210,968)	(15,571,468)	(15,940,512)
Scen Adju									
Total Expenses				(14,178,776)	(14,514,813)	(14,858,815)	(15,210,968)	(15,571,468)	(15,940,512)
Interest Earned				8,091,042	7,945,524	7,788,024	7,618,043	7,435,063	7,238,548
Tonnage	*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*							
Transfer Revenue									
Total Revenues				8,091,042	7,945,524	7,788,024	7,618,043	7,435,063	7,238,548
Provisional Balance				299,537,528	292,968,239	285,897,449	278,304,523	270,168,117	261,466,154
Post-Closure Maintenance Reserve	(equal to amount previously transferred into C9100								
Construction Balance									
LRF Transfer (per ton)									

Default CC

Post-Closure Maintenance - C91004

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast

				28	29	30	31	32	33
Item	Source	Reference	Date	2067	2068	2069	2070	2071	2072
Starting Balance				261,466,154	252,175,798	242,273,437	231,734,654	220,534,200	208,645,974
CH New Area Development - C91001									
CH Facility Improvement - C91002									
Closure - C91003									
Post-Closure Maintenance - C91004				(16,318,302)	(16,705,046)	(17,100,956)	(17,506,248)	(17,921,146)	(18,345,878)
Scen Adju									
Total Expenses				(16,318,302)	(16,705,046)	(17,100,956)	(17,506,248)	(17,921,146)	(18,345,878)
Interest Earned				7,027,947	6,802,685	6,562,172	6,305,795	6,032,920	5,742,894
Tonnage		*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*						
Transfer Revenue									
Total Revenues				7,027,947	6,802,685	6,562,172	6,305,795	6,032,920	5,742,894
Provisional Balance				252,175,798	242,273,437	231,734,654	220,534,200	208,645,974	196,042,990
Post-Closure Maintenance Reserve		(equal to amount previously transferred into C9100							
Construction Balance									
LRF Transfer (per ton)									

Default CC

Post-Closure Maintenance - C91004

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast

				34	35	36	37	38	39
Item	Source	Reference	Date	2073	2074	2075	2076	2077	2078
Starting Balance				196,042,990	182,697,354	168,580,232	153,661,824	137,911,332	121,296,928
CH New Area Development - C91001									
CH Facility Improvement - C91002									
Closure - C91003									
Post-Closure Maintenance - C91004				(18,780,675)	(19,225,777)	(19,681,428)	(20,147,878)	(20,625,382)	(21,114,204)
Scen Adju									
Total Expenses				(18,780,675)	(19,225,777)	(19,681,428)	(20,147,878)	(20,625,382)	(21,114,204)
Interest Earned				5,435,039	5,108,655	4,763,020	4,397,385	4,010,979	3,603,002
Tonnage	*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*							
Transfer Revenue									
Total Revenues				5,435,039	5,108,655	4,763,020	4,397,385	4,010,979	3,603,002
Provisional Balance				182,697,354	168,580,232	153,661,824	137,911,332	121,296,928	103,785,726
Post-Closure Maintenance Reserve	(equal to amount previously transferred into C9100								
Construction Balance									
LRF Transfer (per ton)									

Default CC

Post-Closure Maintenance - C91004

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast

				40	41	42	43	44	45
Item	Source	Reference	Date	2079	2080	2081	2082	2083	2084
Starting Balance				103,785,726	85,343,744	65,935,874	45,525,845	24,076,189	1,548,202
CH New Area Development - C91001									
CH Facility Improvement - C91002									
Closure - C91003									
Post-Closure Maintenance - C91004				(21,614,611)	(22,126,877)	(22,651,284)	(23,188,119)	(23,737,678)	(24,300,261)
Scen Adju									
Total Expenses				(21,614,611)	(22,126,877)	(22,651,284)	(23,188,119)	(23,737,678)	(24,300,261)
Interest Earned				3,172,629	2,719,007	2,241,255	1,738,463	1,209,691	653,966
Tonnage	*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*							
Transfer Revenue									
Total Revenues				3,172,629	2,719,007	2,241,255	1,738,463	1,209,691	653,966
Provisional Balance				85,343,744	65,935,874	45,525,845	24,076,189	1,548,202	(22,098,092)
Post-Closure Maintenance Reserve	(equal to amount previously transferred into C9100								
Construction Balance									
LRF Transfer (per ton)									

Default CC

Post-Closure Maintenance - C91004

Landfill Reserve Fund Transfer

LRF Balance

Item	Date	Balance
3910	1/1/2025	61,933,948

LRF Forecast

Table Name	LRFForecast

					46	47		
Item	Source	Reference	Date	2085	2086	2087	2088	
Starting Balance				(22,098,092)	(46,903,983)	(72,912,113)	(100,166,517)	
CH New Area Development - C91001								
CH Facility Improvement - C91002								
Closure - C91003								
Post-Closure Maintenance - C91004				(24,876,177)	(25,465,742)	(26,069,280)		
Scen Adju								
Total Expenses				(24,876,177)	(25,465,742)	(26,069,280)		-
Interest Earned				70,286	(542,388)	(1,185,124)		
Tonnage	*LRFCAPNoMWP*	*2025 - Re+ Tonnage w/o MWP*						
Transfer Revenue								
Total Revenues				70,286	(542,388)	(1,185,124)		
Provisional Balance				(46,903,983)	(72,912,113)	(100,166,517)		
Post-Closure Maintenance Reserve	(equal to amount previously transferred into C9100							
Construction Balance								
LRF Transfer (per ton)								

Default CC

Post-Closure Maintenance - C91004

LRF Capital Projects

Spend includes only active/planned cash projects.

LRF Project Class	2022	2023	2024	2025	2026
CH New Area Development - C91001	-	-	-	-	-
CH Facility Improvement - C91002	1,116,877	5,168,965	3,781,375	12,876,812	8,383,395
Closure - C91003	6,935,289	2,319,798	1,471,676	20,714,986	17,949,695
Total	**8,052,166**	**7,488,763**	**5,253,051**	**33,591,798**	**26,333,089**

Table Name LRFProjects

LRF Project Class	Status	Rev Source	Project No.	Project Name	2022	2023	2024	2025	2026
CH New Area Development - C91001	Active	Bond	1115992	SW AREA 8 DEV/FACILITY RELOCATION	1,336,317	115,625	4,108	-	-
CH Facility Improvement - C91002	Active	Bond	1138567	SW CEDAR HILLS MAJOR ASSET REHABILI	791,277	242,448	246,081	720,357	824,000
CH New Area Development - C91001	Active	Bond	1133923	SW CHRLF AREA 9 NAD	991,115	871,461	2,030,298	27,208,176	31,649,972
CH Facility Improvement - C91002	Active	Bond	1143774	SW CHRLF Header Replacement Project	-	31,366	357,398	901,228	10,775,947
CH Facility Improvement - C91002	Active	Bond	1143777	SW CHRLF Leachate Discharge Line Impro	-	52,792	10,646	303,724	1,369,143
CH Facility Improvement - C91002	Active	Bond	1133921	SW CHRLF LEACHATE LAGOONS	546,650	915,448	604,377	338,113	2,849,868
CH Facility Improvement - C91002	Active	Bond	1133924	SW CHRLF NFS ELECTRICAL	5,288,789	1,652,523	52,460	-	-
CH Facility Improvement - C91002	Active	Bond	1143775	SW CHRLF Sound Wall	-	-	-	100	103
CH Facility Improvement - C91002	Active	Bond	1138575	SW IMPOUNDMENTS AND CONVEYANCE S	21,029	40,124	53,104	7,814,383	3,724,971
CH Facility Improvement - C91002	Active	Bond	1142443	SW LEACHATE TREATMENT PROJECT	32,167	298,961	352,330	0	0
CH Facility Improvement - C91002	Active	Bond	1143776	SW NFS Flare Replacement	-	9,667	4,780	97,623	7,997,991
CH Facility Improvement - C91002	Active	Cash	1141046	SWD CHRLF VERTICAL WELLS CNSTR	11,037	5,310,173	2,119,899	11,971,485	6,766,030
Closure - C91003	Active	Cash	1112415	CH Area 8 Closure	547,325	1,035,915	1,444,683	20,714,986	17,949,695
CH New Area Development - C91001	Active	Bond	1129848	SW CH AREA 5 TOP DECK	13,692	289,643	601,249	3,534,809	6,120,947
CH New Area Development - C91001	Active	Bond	1144290	SW CH AREA 6 TOP DECK	-	233,612	602,295	3,500,324	6,042,401
Closure - C91003	Active	Cash	1033542	SW CH AREA 7 CLOSURE	6,387,964	1,283,883	26,993	-	-
CH Facility Improvement - C91002	Active	Cash	1129844	SW CHLRF PUMP STN REPAIR	932,515	(357,790)	875,558	-	-
CH Facility Improvement - C91002	Active	Cash	1133922	SW CHRLF EAST PERCH ZONE RI-FS	71,007	67,658	140,700	22,000	109,180
CH Facility Improvement - C91002	Active	Cash	1142097	SW HYDROGEOLOGIC REPORT	2,878	32,172	465,125	373,327	982,884
CH Facility Improvement - C91002	Active	Cash	1033547	SW LFR CAPITAL PROJ CNTRL SPRT	85,111	116,752	180,093	510,000	525,300
CH Facility Improvement - C91002	Active	Cash	1033548	SW LFR CIP OVERSIGHT	14,330	-	-	-	-
CH Facility Improvement - C91002	Inactive	Bond	1033545	SW CH ENV SYS MODIFICATIONS	-	-	-	-	-
Closure - C91003	?	Bond	1033541	SW CEDAR HILLS AREA 6 CLOSURE	1,209	-	-	-	-
CH Facility Improvement - C91002	?	Bond	1033544	SW CH ENV SYS EVAL/IMPLEMENTAT	283,342	41,509	4,995	-	-
CH Facility Improvement - C91002	?	Bond	1033516	SW CH REV SITE DEV PLAN	185,268	92,987	162,863	-	-
CH Facility Improvement - C91002	Inactive	Bond	1033515	SW CH MASTER ELECTRICAL PH2	(21,142)	-	-	-	-
CH Facility Improvement - C91002	?	Bond	1033549	SW LANDFILL RESERVE DEFAULT	-	-	-	-	-
CH Facility Improvement - C91002	Inactive	Bond	1124106	SW CH SUPPORT FACILITIES EVAL	176	-	-	-	-
CH Facility Improvement - C91002	Inactive	Bond	1129847	SW CHRLF N FLARE STATION REHAB	95,767	(862)	-	-	-
CH Facility Improvement - C91002	Active	Bond	1148163	SWD CH South BPA Regrading	-	-	-	-	515,000
CH Facility Improvement - C91002	Active	Bond	1148164	SW CH NFS Generator Weather Protection	-	-	14,901	5,000	-

LRF Capital Projects

Spend includes only active/planned cash projects.

LRF Project Class	2022	2023	2024	2025	2026
CH New Area Development - C91001	-	-	-	-	-
CH Facility Improvement - C91002	1,116,877	5,168,965	3,781,375	12,876,812	8,383,395
Closure - C91003	6,935,289	2,319,798	1,471,676	20,714,986	17,949,695
Total	**8,052,166**	**7,488,763**	**5,253,051**	**33,591,798**	**26,333,089**

Table Name LRFProjects

LRF Project Class	Status	Rev Source	Project No.	Project Name	2022	2023	2024	2025	2026
CH Facility Improvement - C91002	Active	Bond	1148185	SW CIP Landfills Buffer Acquisition Prograı	-	-	-	0	1,545,000
CH Facility Improvement - C91002	Active	Cash	1033546	SW FUND 3910 CONTINGENCY	-	-	-	-	-
CH Facility Improvement - C91002	Active	Bond	1148154	SWD Leachate Treatment -Micro-Electrolys	-	-	-	969,992	1,424,288
CH Facility Improvement - C91002	Active	Bond	1148155	SWD Leachate Treatment -Reverse Osmos	-	-	-	620,737	654,380
CH Facility Improvement - C91002	Active	Bond	1149326	SWD CH Buffer Properties Deconstruction	-	-	-	750,000	2,832,500
CH Facility Improvement - C91002	Active	Bond	1149327	SWD CH North Stormwater Improvements	-	-	-	400,000	206,000
CH Facility Improvement - C91002	Active	Bond	1149584	SWD CH Leachate Line Repairs	-	-	81,359	200,000	206,000
CH Facility Improvement - C91002	Active	Bond	1149609	SW CH Asphalt Repair and Maintenance	-	-	102,555	200,000	309,000
CH Facility Improvement - C91002	Active	Bond	1149730	SW CH Haul Road Safety Improvements	-	-	-	365,000	-
CH Facility Improvement - C91002	Active	Bond	1149775	SWD CH Onsite Leachate System Repairs	-	-	-	200,000	206,000
CH Facility Improvement - C91002	Active	Bond	1149776	SWD CH NFS Repairs	-	-	-	500,000	309,000
CH Facility Improvement - C91002	?	Bond	1149777	SWD CH CSW Lagoon Repairs	-	-	-	150,000	154,500
CH Facility Improvement - C91002	Inactive	Bond	1141046	Slow Walk Vertical Wells					(5,985,743)
Closure - C91003	Planned	Cash	NA	Area 9 Closure					
CH Facility Improvement - C91002	Planned	Bond	NA	Programmatic Impoundments and Conveyance					
Total							**10,538,851**	**82,371,365**	**100,064,357**

LRF Capital Projects											
Spend includes only active/planned cash	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
	-	-	-	-	-	-	-	-	-	-	-
	4,047,307	3,282,493	-	-	-	-	-	-	-	-	-
	12,807,297	2,139,655	-	-	-	7,534,000	7,534,000	7,534,000	7,534,000	7,534,000	7,534,000
	16,854,604	**5,422,148**	**-**	**-**	**-**	**7,534,000**	**7,534,000**	**7,534,000**	**7,534,000**	**7,534,000**	**7,534,000**
Table Name											

LRF Project Class	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
CH New Area Development - C91001	-	-	-	-	-	-					
CH Facility Improvement - C91002	3,182,700	-	-	-	-	-					
CH New Area Development - C91001	25,400,802	17,425,173	113,062	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	13,959,816	510,965	-	-	-	-					
CH Facility Improvement - C91002	12,297,800	425,896	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	106	109	113	1,720,204	2,286,189	97,951					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	0	0	0	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	3,041,910	3,133,167	-	-	-	-					
Closure - C91003	12,807,297	2,139,655	-	-	-	-					
CH New Area Development - C91001	8,114,603	12,210,013	12,768,563	6,211,162	-	-					
CH New Area Development - C91001	7,984,808	11,950,934	12,517,566	5,478,812	-	-					
Closure - C91003	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	311,905	101,624	-	-	-	-					
CH Facility Improvement - C91002	693,492	47,703	-	-	-	-					
CH Facility Improvement - C91002	0	0	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
Closure - C91003	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					

LRF Capital Projects

Spend includes only active/planned cash	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
	-	-	-	-	-	-	-	-	-	-	-
	4,047,307	3,282,493	-	-	-	-	-	-	-	-	-
	12,807,297	2,139,655	-	-	-	7,534,000	7,534,000	7,534,000	7,534,000	7,534,000	7,534,000
	16,854,604	**5,422,148**	**-**	**-**	**-**	**7,534,000**	**7,534,000**	**7,534,000**	**7,534,000**	**7,534,000**	**7,534,000**

Table Name

LRF Project Class	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
CH Facility Improvement - C91002	2,121,800	1,092,727	1,125,509	1,159,274	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	742,296	3,536,411	2,108,373	2,226	-	-					
CH Facility Improvement - C91002	2,189,252	3,357,271	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	212,180	218,545	225,102	-	-	-					
CH Facility Improvement - C91002	318,270	-	-	-	-	-					
CH Facility Improvement - C91002	-	-	-	-	-	-					
CH Facility Improvement - C91002	212,180	218,545	-	-	-	-					
CH Facility Improvement - C91002	318,270	327,818	-	-	-	-					
CH Facility Improvement - C91002	159,135	163,909	-	-	-	-					
CH Facility Improvement - C91002	(6,686,909)	6,872,831	6,180,000	-	-	-					
Closure - C91003						7,534,000	7,534,000	7,534,000	7,534,000	7,534,000	7,534,000
CH Facility Improvement - C91002	5,000,000	5,000,000	5,000,000								
Total	**92,381,711**	**68,733,295**	**40,038,287**	**14,571,678**	**2,286,189**	**7,631,951**					

LRF Capital Projects

Spend includes only active/planned cash	2038	2039	2040
	-	-	-
	-	-	-
	7,534,000	7,534,000	15,000,000
	7,534,000	**7,534,000**	**15,000,000**

Table Name

LRF Project Class	2038	2039	2040
CH New Area Development - C91001			
CH Facility Improvement - C91002			
CH New Area Development - C91001			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
Closure - C91003			
CH New Area Development - C91001			
CH New Area Development - C91001			
Closure - C91003			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
Closure - C91003			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			

LRF Capital Projects

Spend includes only active/planned cash	2038	2039	2040
	-	-	-
	-	-	-
	7,534,000	7,534,000	15,000,000
	7,534,000	**7,534,000**	**15,000,000**

Table Name

LRF Project Class	2038	2039	2040
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
CH Facility Improvement - C91002			
Closure - C91003	7,534,000	7,534,000	15,000,000
CH Facility Improvement - C91002			
Total			**15,000,000**

LRF Capital Projects

Spend includes only active/planned cash projects.

LRF Project Class	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
CH New Area Development - C91001	-	-	-	-	-	-	-	-	-	-
CH Facility Improvement - C91002	1,116,877	5,168,965	3,781,375	12,876,812	8,383,395	4,047,307	3,282,493	-	-	-
Closure - C91003	6,935,289	2,319,798	1,471,676	20,714,986	17,949,695	12,807,297	2,139,655	-	-	-
Total	**8,052,166**	**7,488,763**	**5,253,051**	**33,591,798**	**26,333,089**	**16,854,604**	**5,422,148**	**-**	**-**	**-**

Table Name LRFProjects

LRF Project Class	Status	Rev Source	Project No.	Project Name	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Post Closure Care Estimate														
CPIU	Mar-25													
				Actual	*Actual*	*Actual*	*Actual*	*Forecast*	*Forecast*	*Forecast*	*Forecast*	*Forecast*	*Forecast*	*Forecast*
Item	Escalation	Column1	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Inflation	Inflation				5.00%	8.95%	5.80%	2.95%	2.89%	3.05%	2.68%	2.35%	2.47%	2.42%	2.43%
Estimated Annaul Expenses			4,703,927		4,938,985	5,381,152	5,693,259	5,861,210	6,030,697	6,214,465	6,381,020	6,531,273	6,692,278	6,854,310	7,020,723
Environmental Reserve Fund -Existing Policy														
CPIU	Mar-24													
Closure Year	*LF Capacity without MWP*													
Type of Year				*Actual*	*Actual*	*Estimated*	*Estimated*	*Forecast*	*Forecast*	*Forecast*	*Forecast*	*Forecast*	*Forecast*	*Forecast*
Item	Escalation	Column1	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Inflation	Inflation							2.89%	3.05%	2.68%	2.35%	2.47%	2.42%	2.43%
Existing CHRLF Pollution Liability Policy			200,000		200,000	200,000	200,000	200,000	205,783	212,054	217,737	222,864	228,358	233,887	239,566
ERF Fund Balance					1,000,000	1,000,000	1,025,300	1,050,600	1,076,540	1,103,120	1,817,323	2,550,609	3,318,574	4,122,889	4,964,545
Interest						25,300	25,300	25,940	26,580	27,236	27,909	45,978	64,530	83,960	104,309
Expenditures															
Additional Contribution										686,966	705,377	721,987	739,785	757,696	776,092
Remaining Balance					1,000,000	1,025,300	1,050,600	1,076,540	1,103,120	1,817,323	2,550,609	3,318,574	4,122,889	4,964,545	5,844,946
Tonnage										0.82	0.85	0.87	0.90	0.94	1.00
Environmental Reserve Fund - Existing Policy plus $10M reserve														
CPIU	Mar-24													
Closure Year	*LF Capacity without MWP*													
Type of Year				*Actual*	*Actual*	*Estimated*	*Estimated*	*Forecast*	*Forecast*	*Forecast*	*Forecast*	*Forecast*	*Forecast*	*Forecast*
Item	Escalation	Column1	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Inflation	Inflation							2.89%	3.05%	2.68%	2.35%	2.47%	2.42%	2.43%
Existing CHRLF Pollution Liability Policy			200,000		200,000	200,000	200,000	200,000	205,783	212,054	217,737	222,864	228,358	233,887	239,566
ERF Fund Balance					1,000,000	1,000,000	1,025,300	1,050,600	1,076,540	1,103,120	2,382,163	3,695,428	5,071,319	6,512,867	8,021,864
Interest						25,300	25,300	25,940	26,580	27,236	27,909	60,269	93,494	128,304	164,776
Expenditures															
Additional Contribution										1,251,806	1,285,356	1,315,622	1,348,054	1,380,693	1,414,214
Remaining Balance					1,000,000	1,025,300	1,050,600	1,076,540	1,103,120	2,382,163	3,695,428	5,071,319	6,512,867	8,021,864	9,600,854
Per ton amount										1.50	1.55	1.59	1.63	1.71	1.82
$500k option	500,000									0.60	0.60				

LRF Capital Projects

Spend includes only active/planned cash	2032	2033	2034	2035	2036	2037	2038	2039	2040
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	7,534,000	7,534,000	7,534,000	7,534,000	7,534,000	7,534,000	7,534,000	7,534,000	15,000,000
	7,534,000	**7,534,000**	**7,534,000**	**7,534,000**	**7,534,000**	**7,534,000**	**7,534,000**	**7,534,000**	**15,000,000**

Table Name

LRF Project Class	2032	2033	2034	2035	2036	2037	2038	2039	2040
Post Closure Care Estimate									

CPIU

	Forecast	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Inflation	2.39%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Estimated Annaul Expenses	7,188,369	7,358,733	7,533,135	7,711,671	7,894,437	8,081,535	8,273,068	8,469,139	8,669,858	8,875,334	9,085,679	9,301,010	9,521,444	9,747,102

Environmental Reserve Fund -Existing Pol

CPIU

Closure Year								Closure	1	2	3	4	5	6
Type of Year	*Forecast*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Inflation	2.39%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Existing CHRLF Pollution Liability Policy	245,286	251,099	257,051	263,143	269,379	275,763	282,299	288,989	295,838	302,850	310,027	317,375	324,897	332,597
ERF Fund Balance	5,844,946	6,765,173	7,726,507	8,730,402	9,778,354	10,871,908	12,012,658	13,202,248	13,217,178	13,255,357	13,286,901	13,312,235	13,331,018	13,342,921
Interest	125,603	147,877	171,159	195,481	220,879	247,392	275,059	303,920	334,017	334,395	335,361	336,159	336,800	337,275
Expenditures								(288,989)	(295,838)	(302,850)	(310,027)	(317,375)	(324,897)	(332,597)
Additional Contribution	794,624	813,457	832,736	852,472	872,675	893,357	914,530							
Remaining Balance	6,765,173	7,726,507	8,730,402	9,778,354	10,871,908	12,012,658	13,202,248	13,217,178	13,255,357	13,286,901	13,312,235	13,331,018	13,342,921	13,347,599
Tonnage	1.08	1.16	1.21	1.32	1.33	1.34	1.35							

Environmental Reserve Fund - Existing Po

CPIU

Closure Year								Closure	1	2	3	4	5	6
Type of Year	*Forecast*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Inflation	2.39%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Existing CHRLF Pollution Liability Policy	245,286	251,099	257,051	263,143	269,379	275,763	282,299	288,989	295,838	302,850	310,027	317,375	324,897	332,597
ERF Fund Balance	9,600,854	11,251,791	12,976,994	14,779,096	16,660,808	18,624,930	20,674,346	22,812,036	23,046,108	23,327,414	23,607,631	23,887,787	24,167,685	24,447,149
Interest	202,953	242,902	284,670	328,318	373,911	421,518	471,211	523,061	577,145	583,067	590,184	597,273	604,361	611,442
Expenditures								(288,989)	(295,838)	(302,850)	(310,027)	(317,375)	(324,897)	(332,597)
Additional Contribution	1,447,984	1,482,301	1,517,432	1,553,395	1,590,210	1,627,898	1,666,479							
Remaining Balance	11,251,791	12,976,994	14,779,096	16,660,808	18,624,930	20,674,346	22,812,036	23,046,108	23,327,414	23,607,631	23,887,787	24,167,685	24,447,149	24,725,994
Per ton amount	1.97	2.11	2.21	2.41	2.42	2.44	2.45							

$500k option

LRF Capital Projects

Spend includes only active/planned cash

Table Name

LRF Project Class
Post Closure Care Estimate

CPIU

	Outyear	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Estimated Annaul Expenses	9,978,108	10,214,589	10,456,675	10,704,498	10,958,195	11,217,904	11,483,768	11,755,934	12,034,549	12,319,768	12,611,747

Environmental Reserve Fund -Existing Pol

CPIU

Closure Year	7	8	9	10	11	12	13	14	15	16	17
Type of Year	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Existing CHRLF Pollution Liability Policy	340,479	348,549	356,809	365,266	373,923	382,785	391,857	401,144	410,651	420,383	430,346
ERF Fund Balance	13,347,599	13,344,695	13,333,841	13,314,652	13,286,732	13,249,670	13,203,040	13,146,400	13,079,294	13,001,247	12,911,770
Interest	337,576	337,694	337,621	337,346	336,861	336,154	335,217	334,037	332,604	330,906	328,932
Expenditures	(340,479)	(348,549)	(356,809)	(365,266)	(373,923)	(382,785)	(391,857)	(401,144)	(410,651)	(420,383)	(430,346)
Additional Contribution											
Remaining Balance	13,344,695	13,333,841	13,314,652	13,286,732	13,249,670	13,203,040	13,146,400	13,079,294	13,001,247	12,911,770	12,810,355

Tonnage

Environmental Reserve Fund - Existing Po

CPIU

Closure Year	7	8	9	10	11	12	13	14	15	16	17
Type of Year	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Existing CHRLF Pollution Liability Policy	340,479	348,549	356,809	365,266	373,923	382,785	391,857	401,144	410,651	420,383	430,346
ERF Fund Balance	24,725,994	25,004,028	25,281,047	25,556,839	25,831,184	26,103,849	26,374,594	26,643,165	26,909,298	27,172,720	27,433,142
Interest	618,513	625,568	632,602	639,610	646,588	653,529	660,427	667,277	674,072	680,805	687,470
Expenditures	(340,479)	(348,549)	(356,809)	(365,266)	(373,923)	(382,785)	(391,857)	(401,144)	(410,651)	(420,383)	(430,346)
Additional Contribution											
Remaining Balance	25,004,028	25,281,047	25,556,839	25,831,184	26,103,849	26,374,594	26,643,165	26,909,298	27,172,720	27,433,142	27,690,265

Per ton amount
$500k option

LRF Capital Projects

Spend includes only active/planned cash

Table Name

LRF Project Class
Post Closure Care Estimate

CPIU

	Outyear	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Estimated Annaul Expenses	12,910,645	13,216,627	13,529,861	13,850,519	14,178,776	14,514,813	14,858,815	15,210,968	15,571,468	15,940,512	16,318,302

Environmental Reserve Fund -Existing Pol

CPIU

Closure Year	18	19	20	21	22	23	24	25	26	27	28
Type of Year	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Existing CHRLF Pollution Liability Policy	440,545	450,986	461,675	472,616	483,817	495,284	507,022	519,038	531,340	543,932	556,824
ERF Fund Balance	12,810,355	12,696,478	12,569,593	12,429,140	12,274,534	12,105,174	11,920,436	11,719,675	11,502,223	11,267,391	11,014,465
Interest	326,668	324,102	321,221	318,011	314,457	310,546	306,261	301,587	296,508	291,006	285,065
Expenditures	(440,545)	(450,986)	(461,675)	(472,616)	(483,817)	(495,284)	(507,022)	(519,038)	(531,340)	(543,932)	(556,824)
Additional Contribution											
Remaining Balance	12,696,478	12,569,593	12,429,140	12,274,534	12,105,174	11,920,436	11,719,675	11,502,223	11,267,391	11,014,465	10,742,706

Tonnage

Environmental Reserve Fund - Existing Po

CPIU

Closure Year	18	19	20	21	22	23	24	25	26	27	28
Type of Year	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Existing CHRLF Pollution Liability Policy	440,545	450,986	461,675	472,616	483,817	495,284	507,022	519,038	531,340	543,932	556,824
ERF Fund Balance	27,690,265	27,943,779	28,193,356	28,438,659	28,679,335	28,915,015	29,145,319	29,369,846	29,588,185	29,799,902	30,004,551
Interest	694,058	700,564	706,978	713,292	719,498	725,587	731,550	737,377	743,057	748,581	753,938
Expenditures	(440,545)	(450,986)	(461,675)	(472,616)	(483,817)	(495,284)	(507,022)	(519,038)	(531,340)	(543,932)	(556,824)
Additional Contribution											
Remaining Balance	27,943,779	28,193,356	28,438,659	28,679,335	28,915,015	29,145,319	29,369,846	29,588,185	29,799,902	30,004,551	30,201,664

Per ton amount
$500k option

LRF Capital Projects

Spend includes only active/planned cash

Table Name

LRF Project Class
Post Closure Care Estimate

CPIU

	Outyear	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Estimated Annaul Expenses	16,705,046	17,100,956	17,506,248	17,921,146	18,345,878	18,780,675	19,225,777	19,681,428	20,147,878	20,625,382	21,114,204

Environmental Reserve Fund -Existing Pol

CPIU

Closure Year	29	30	31	32	33	34	35	36	37	38	39
Type of Year	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Existing CHRLF Pollution Liability Policy	570,020	583,530	597,360	611,517	626,010	640,846	656,034	671,582	687,499	703,793	720,472
ERF Fund Balance	10,742,706	10,451,352	10,139,613	9,806,672	9,451,688	9,073,787	8,672,068	8,245,600	7,793,421	7,314,536	6,807,917
Interest	278,666	271,790	264,419	256,532	248,109	239,128	229,567	219,403	208,614	197,174	185,058
Expenditures	(570,020)	(583,530)	(597,360)	(611,517)	(626,010)	(640,846)	(656,034)	(671,582)	(687,499)	(703,793)	(720,472)
Additional Contribution											
Remaining Balance	10,451,352	10,139,613	9,806,672	9,451,688	9,073,787	8,672,068	8,245,600	7,793,421	7,314,536	6,807,917	6,272,502

Tonnage

Environmental Reserve Fund - Existing Po

CPIU

Closure Year	29	30	31	32	33	34	35	36	37	38	39
Type of Year	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Existing CHRLF Pollution Liability Policy	570,020	583,530	597,360	611,517	626,010	640,846	656,034	671,582	687,499	703,793	720,472
ERF Fund Balance	30,201,664	30,390,759	30,571,331	30,742,858	30,904,796	31,056,580	31,197,625	31,327,323	31,445,040	31,550,122	31,641,889
Interest	759,115	764,102	768,886	773,455	777,794	781,891	785,731	789,300	792,581	795,560	798,218
Expenditures	(570,020)	(583,530)	(597,360)	(611,517)	(626,010)	(640,846)	(656,034)	(671,582)	(687,499)	(703,793)	(720,472)
Additional Contribution											
Remaining Balance	30,390,759	30,571,331	30,742,858	30,904,796	31,056,580	31,197,625	31,327,323	31,445,040	31,550,122	31,641,889	31,719,635

Per ton amount
$500k option

LRF Capital Projects

Spend includes only active/planned cash

Table Name

LRF Project Class
Post Closure Care Estimate

CPIU

	Outyear	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2079	2080	2081	2082	2083	2084	2085	2086
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Estimated Annaul Expenses	21,614,611	22,126,877	22,651,284	23,188,119	23,737,678	24,300,261	24,876,177	25,465,742

Environmental Reserve Fund -Existing Pol

CPIU

Closure Year	40	41	42	43	44	45	46	47
Type of Year	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2079	2080	2081	2082	2083	2084	2085	2086
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Existing CHRLF Pollution Liability Policy	737,548	755,028	772,922	791,240	809,992	829,189	848,841	868,958
ERF Fund Balance	6,272,502	5,707,195	5,110,862	4,482,332	3,820,397	3,123,808	2,391,274	1,621,466
Interest	172,240	158,694	144,392	129,305	113,403	96,656	79,032	60,499
Expenditures	(737,548)	(755,028)	(772,922)	(791,240)	(809,992)	(829,189)	(848,841)	(868,958)
Additional Contribution								
Remaining Balance	5,707,195	5,110,862	4,482,332	3,820,397	3,123,808	2,391,274	1,621,466	813,007

Tonnage

Environmental Reserve Fund - Existing Po

CPIU

Closure Year	40	41	42	43	44	45	46	47
Type of Year	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*	*Outyear*
Item	2079	2080	2081	2082	2083	2084	2085	2086
Inflation	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%	2.37%
Existing CHRLF Pollution Liability Policy	737,548	755,028	772,922	791,240	809,992	829,189	848,841	868,958
ERF Fund Balance	31,719,635	31,782,627	31,830,106	31,861,285	31,875,347	31,871,445	31,848,702	31,806,209
Interest	800,540	802,507	804,100	805,302	806,091	806,446	806,348	805,772
Expenditures	(737,548)	(755,028)	(772,922)	(791,240)	(809,992)	(829,189)	(848,841)	(868,958)
Additional Contribution								
Remaining Balance	31,782,627	31,830,106	31,861,285	31,875,347	31,871,445	31,848,702	31,806,209	31,743,022

Per ton amount
$500k option

King County
Solid Waste Division
Department of Natural Resources and Parks
King Street Center
201 South Jackson Street, Suite 6400
Seattle, WA 98104-3855
206-477-4466
711 TTY Relay
kingcounty.gov/solid-waste

April 1, 2026

TO: Jerome Cruz, Environmental Scientist III, Environmental Health Division, Public Health – Seattle and King County

VIA: Adrienne Scott, LG, Engineer III – Lead Geologist

FM: Andrew Jenkins, GIT, Engineer II

RE: King County Cedar Hills Regional Landfill 2025 Annual Environmental Monitoring Report

The purpose of this letter is to transmit a copy of the Solid Waste Division's *King County Cedar Hills Regional Landfill Annual Environmental Monitoring Report* for 2025 for your review. This report includes environmental data collected from January 1, 2025, through December 31, 2025.

If you have questions or need additional information, please contact me at 206-263-0120, or via email at anjenkins@kingcounty.gov.

Enclosures

cc: Yolanda Pon, Solid Waste Program Supervisor, Environmental Health Division, Public Health Seattle & King County
Tim O'Connor, LG, LHG, Hydrogeologist III, Washington State Department of Ecology
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Eric W. Ferguson, LG, LHG, Water Quality Planner – Hydrogeologist, Water and Land Resources Division (WLRD), DNRP
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April 1, 2026

Tim O'Connor, LG, LHG, Hydrogeologist III
Solid Waste Management Program
Washington State Department of Ecology
Northwest Regional Office
PO Box 330316
Shoreline, WA 98133-9716

RE: King County Cedar Hills Regional Landfill 2025 Annual Environmental Monitoring Report

Dear Mr. O'Connor:

The purpose of this letter is to transmit a copy of the Solid Waste Division's *King County Cedar Hills Regional Landfill Annual Environmental Monitoring Report* for 2025 for your review. This report includes environmental data collected from January 1, 2025, through December 31, 2025.

If you have questions or need additional information, please contact me at 206-263-0120, or via email at anjenkins@kingcounty.gov.

Sincerely,

Andrew Jenkins, GIT
Engineer II

Enclosures

cc: Yolanda Pon, Solid Waste Program Supervisor, Environmental Health Division, SKCPH
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Naima Rushiddin, Records Management Specialist, SWD, DNRP



CEDAR HILLS REGIONAL LANDFILL

2025 ANNUAL SUMMARY OF GROUNDWATER MONITORING RESULTS

APRIL 2026

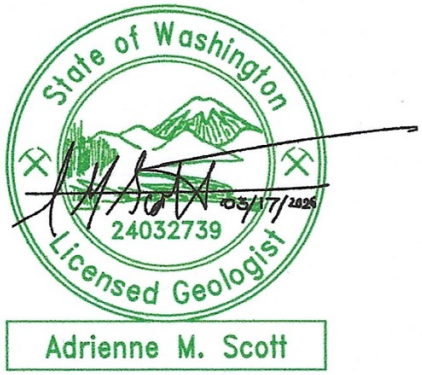
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Solid Waste Division
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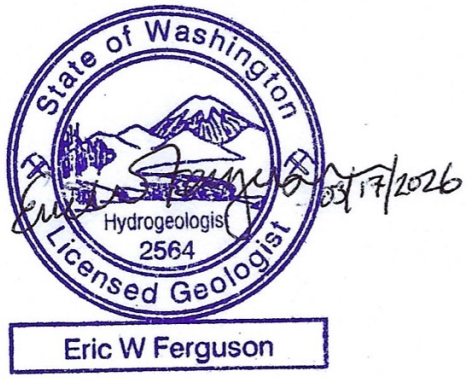
CERTIFICATION

KING COUNTY CEDAR HILLS REGIONAL LANDFILL
2025 ANNUAL ENVIRONMENTAL MONITORING REPORT CERTIFICATION

I certify in accordance with the requirements of Chapter 18.220 RCW, that the contents of this document were prepared under my direction or supervision under a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Name:	**Title:**	**Date:**
Adrienne M. Scott, LG Eric W. Ferguson, LHG	Engineer III – Lead Geologist WQPIII – Hydrogeologist	03/17/2026
Mailing Address: King County Department of Natural Resources & Parks 201 S. Jackson Street, suite 6000 Seattle, WA 98104		**Telephone Number:** 206-263-0518 206-477-4690





CHECKLIST FOR GROUNDWATER REPORTING
Municipal Solid Waste Landfills
WAC 173-351-415

Include a signed, completed copy of this checklist with each quarterly and annual report.

Quarterly groundwater reports shall be submitted to the jurisdictional health department and Ecology within 60 days of receipt of analytical data. Annual groundwater reports shall be submitted to the jurisdictional health department and Ecology by April 1 of each year.

1st ✓ 2nd ✓ 3rd ✓ 4th ✓ YEAR: 2025	Reference (section, subsection)	Included in this report	Location – section or appendix
***Quarterly Groundwater Reports**: 173-351-415(2) plus the referenced sections*			
Statistical calculations and summaries			
Statistical tests	420, (2)	☒	Sec. 3.6, 4.2, 4.3; App. E, F
Notification of statistical increase (if applicable)	430, (4)	☒	Sec. 4.2, 4.3; App. F
Notification of concentrations above Chapter 173-200 WAC criteria (if any)	430, (4)	☒	Sec. 4.2, 4.3; App. F
Static water level readings	415, (2)	☒	Sec. 3.2, 4.2, 4.3; App. A, B, C
Potentiometric surface elevation maps depicting flow direction	415, (2)	☒	App. B
Flow rate – calculated	415, (2)	☒	Sec. 4.2, 4.3; App. B
Cation-anion balances	430, (5a)	☒	Sec. 3.3, 4.2, 4.3; App. D
Explanation of greater than 5% (or 10%) difference (if needed)	430, (5a)	☒	Sec. 4.2, 4.3
Trilinear diagrams	430, (5b)	☒	Sec. 3.3, 4.2, 4.3; App. D
Leachate analyses (if sampled and tested)	415, (2)	☒	Sec. 6; App. H
Data entered into EIM database (date entered by: March 3, 2026)	415, (3)	☒	
***Annual Groundwater Reports**: 173-351-415(1)* **YEAR:** 2025			
Summary of statistical results and trends Descriptive statistics	415, (1) 420, (1)	☒	Sec. 3.6; Tables 2, 3, 4
Summary of groundwater flow rate and direction for the year	415, (1)	☒	App. B
Copy of all potentiometric maps for the year	415, (1)	☒	App. B
Summary geochemical evaluation	415, (1)	☒	Sec. 4.2, 4.3; App. D
For Quarterly and Annual Reports			
Stamped by a licensed professional	RCW 18.220	☒	

DocuSigned by:
7CD8608F0EED408...
Signature of Report Author

Mar 12, 2026
Date

King County Cedar Hills Regional Landfill
Landfill

If you need this publication in an alternate format, please call the Waste 2 Resources Program at (360) 407-6900. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

KING COUNTY
CEDAR HILLS REGIONAL LANDFILL

2025 ANNUAL SUMMARY OF GROUNDWATER MONITORING RESULTS

King County Department of Natural Resources & Parks
Solid Waste Division, Facility Engineering & Science Section

April 2026

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1. PURPOSE

The purpose of this report is to present the annual groundwater conditions at Cedar Hills Regional Landfill in accordance with the regulatory requirements of the Washington Administrative Code (WAC) 173-351, *Criteria for Municipal Solid Waste Landfills*, and the King County Board of Health Code, *Criteria for Municipal Solid Waste Landfills* (Section 10.09.020).

2. INTRODUCTION

The 2025 Annual Groundwater Data Evaluation Report presents the results of statistical analyses on the groundwater monitoring data collected at the Cedar Hills Regional Landfill (CHRLF) during the 2025 calendar year. This annual report provides an evaluation and discussion of the groundwater quality results collected from upgradient and downgradient groundwater monitoring wells and describes the hydrogeologic conditions at the landfill.

Pursuant to the reporting requirements of WAC 173-351, this annual report also includes stormwater data, water quality data for domestic well monitoring, leachate data, and landfill gas data for the reporting year.

The data in this report comply with Washington State Department of Ecology (Ecology) *Criteria for Municipal Solid Waste Landfills* (WAC 173-351-415), and the King County Board of Health Code, *Criteria for Municipal Solid Waste Landfills* (Section 10.09.020).

2.1. SITE LOCATION and REGIONAL SETTING

Cedar Hills Regional Landfill is an active multi-unit solid waste facility located on a 920-acre parcel located in unincorporated King County, approximately four miles south of Issaquah and six miles east of Renton (Figure 1). The current land use to the west, north, and east side of the property is predominantly single-family residential housing, and land use along the southern border is non-residential land used by Cedar Grove composting facility and Queen City Farms.

The facility is located in an area with rolling topography. Prior to development of CHRLF, elevations at the site ranged from a high of 650 feet above sea level (ASL) to a low marginally less than 350 feet ASL. The central portion of the landfill has an elevation of approximately 788 feet ASL with the land surface sloping down in all directions away from the facility.

The region containing CHRLF has a mild climate that is tempered by Puget Sound. Summers are cool and dry, while winters are moist and mild.

2.2. GEOLOGY and HYDROGEOLOGY

The near surface geology at CHRLF consists of Pleistocene aged glacial sediments associated with the Vashon Glaciation depositional environments created during periods of extension and retreat of the Puget Lobe of the Cordilleran Ice Sheet. From the ground surface down, the site is underlain by Vashon recessional glacial outwash, discontinuous and sporadic deposits of Vashon Till, Vashon advance outwash sediments, glaciolacustrine sediments, and the oldest sediments encountered on site are the lacustrine and fluvial deposits associated with the Olympia interglacial period. Figure 2 is a cross-section location map. The line from R1 (northeast) to R1' (south) is associated with the Figure 3 cross-section, and the line from R2 (northwest) to R2' (southeast) is associated with the Figure 4 cross-section.

Groundwater at the CHRLF recharges via precipitation and occurs in two types of sediment reservoirs: glacial till and fluvial sediments. Shallow perched groundwater (Perched Zones)

accumulates on top of lenses of low permeability, clay-rich glacial till that is surrounded by relatively permeable recessional outwash sediments. Since the glacial till is laterally and vertically discontinuous, the Perched Zones have limited storage area, do not flow, and do not contain significant volumes of groundwater. The deeper groundwater (Regional Aquifer) occurs below the unconfined water table where the interglacial fluvial sediments are fully saturated. Groundwater in the Regional Aquifer has a large storage capacity and flows in response to changes in the volume of water in the aquifer.

Groundwater monitoring well locations are shown on Figure 5. These monitoring wells are screened in one of two water-bearing zones , the shallower Perched Zones and the deeper Regional Aquifer. Well completion details are listed in Table 1.

3. EVALUATION METHODS

The landfill environmental evaluation was conducted in accordance with WAC 173-351 and the *Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill* (SAP; Aspect, 2013a).

3.1. DATA QUALITY

Five analytical labs have performed laboratory services for water samples collected at the CHRLF, including Laucks from 1986 to March 1990, AmTest from March 1990 to April 1992, and Analytical Resources (ARI) from April 1992 to May 1995; Laucks again from May 1995 to April 2008, Pace from April 2008 to March 2009, and the King County Environmental Laboratory (KCEL) from April 2009 to present. All five laboratories have Ecology accreditation through the agency's Manchester Environmental Laboratory for the methods used at the time that the samples were analyzed.

Contamination of blanks has important ramifications for data quality. However, some compounds have high blank contamination rates, such as acetone, bis (2-ehtylhexyl) phthalate, toluene, and methylene chloride. Although improvements have reduced the rate of blank contamination in the lab, blank samples that have a longer residence time in the laboratory still show elevated rates. Since the common laboratory contaminants do not provide the only evidence of landfill impacts, other volatile organic compounds are used for this evaluation. Other compounds, such as sulfate, zinc, and iron have also been detected in blanks. These detections will be noted for the individual samples in which they have occurred. Some data, particularly concerning solvents, must be qualified based on blank contamination events and measures of precision and accuracy. All sample results qualified with a "B" have blank contamination associated with the analysis.

KCSWD conducts a quarterly quality control (QC) procedure on the analytical data. If the QC process or any of the data evaluation methods show any inconsistencies or outliers, the lab is contacted and asked to verify results. Administrative errors, such as a sample switch, are evaluated for correction. In some cases, the sample will be reanalyzed if it is within the hold time, and a new result provided. If no error can be identified by the lab, the monitoring location may be resampled. Results that are demonstrated to be incorrect are flagged as rejected in the database and data that are flagged "rejected" in the database and is not used for data analysis.

There are instances where, due to technological limitations, the limit of detection is above the *National Primary and Secondary Drinking Water Regulations* and *Water Quality Standards for Groundwaters of the State of Washington* for groundwater. Because these concentrations are not quantifiable, they can be reported only qualitatively as less than a reporting limit and are qualified accordingly. Another issue involving limits arises when the limits of detection or analytical sensitivity changes over time. This issue is especially noticeable for parameters such as chloride, where more recent samples show more fluctuations or definition on the graphs due to more significant figures (greater sensitivity) being reported. Other factors that may contribute to these changes may be due to dilution, or due to technical or contractual specifications such as technical advancements in instrumentation in the contractual laboratory industry. These changes must be kept in mind while reviewing data evaluation and conclusions.

A notable change in 2017 involved the methodology for the analytical testing covered by SW-846 (Test Methods for Evaluating Solid Waste). The previous Method Detection Limit (MDL) methodology was updated in 2017 to use the Lower Limit of Quantitation (LLOQ). The LLOQ is the lowest point on a calibration curve that can be used for quantification. It is a method that repeatedly tests and calibrates against known standards such as reagent water, method blanks, etc. Ultimately, the LLOQ's ability to detect an analyte at a specific concentration depends upon factors such as instrument sensitivity and at times can be greater than the baseline curve concentration.

3.2. GROUNDWATER ELEVATIONS and FLOW DIRECTION

Synoptic water level measurements are taken each quarter at CHRLF. The initial set of water level measurements is recorded at the beginning of the quarter at all groundwater monitoring wells, and the second set of measurements is collected upon arrival and in conjunction with water quality sampling at applicable monitoring wells (those scheduled for sampling during the given quarter). Since water levels are measured twice before sampling, the additional data are utilized for quality control when generating potentiometric surface maps. Static groundwater elevation, also called hydraulic head, is calculated by subtracting static water level measurements from the reference point elevation (surveyed in NGVD29). The updated conceptual hydrogeologic model delineated groundwater monitoring wells into their respective water-bearing units (Aspect, 2013b). Upgradient and downgradient wells were determined by the hydraulic head at each well relative to the waste unit and other wells in the same water-bearing unit; upgradient wells have higher hydraulic head measurements relative to downgradient wells.

Quarterly groundwater potentiometric surface maps are generated using Surfer, a gridding, contouring, and 3D surface mapping program. Surfer was used to interpolate and smooth the irregularly spaced three-dimensional groundwater elevation data into grid values that represent modeled hydraulic head values across each aquifer. Next, the grid values were used to generate equipotential contours that represent the groundwater potentiometric surface for each aquifer. The hydraulic gradient is the change in hydraulic head over a distance, and the maximum hydraulic gradient will be perpendicular to the potentiometric contours; therefore, the maximum gradient determines the direction of groundwater flow, with groundwater moving from high hydraulic head values to low hydraulic head values.

3.3. ION BALANCE and TRILINEAR DIAGRAMS

Ion balances provide information about the internal consistency of the sample results. When analytical errors occur, the individual results are reviewed, and any findings are included in this report. For the ion balance calculations, non-detect values are evaluated as half of the method detection limit.

After calculating the ion balances, geochemical data are plotted on trilinear diagrams. Major cations and anions are plotted on individual triangles as percentages of total milliequivalents per liter (meq/L). The cation and anion results are projected from the triaxial triangles onto the diamond- shaped field (also known as a Piper diagram) which represents the overall chemical character of a sample based on the relative concentrations of its constituents, but not according to

the absolute parameter concentrations. Ultimately, the diagrams illustrate differences between groundwater samples in major ion chemistry and can be used to categorize water composition into identifiable groups or hydrochemical facies (Fetter, 2000; Freeze and Cherry, 1979). The facies are a function of lithology, solution kinematics, and flow patterns of the aquifer. The value of the diagram lies in pointing out relationships that exist among individual samples over time.

Beginning with the second quarter of 2025, leachate samples from monitoring location LS-V1A are also plotted on the trilinear diagrams. Location LS-V1A represents the combined influent from all areas of CHRLF, prior to pretreatment, and is used as a reference point to which groundwater samples can be compared to evaluate potential leachate impacts on groundwater quality.

3.4. GROUNDWATER EXCEEDANCES

Groundwater quality monitoring results are compared with the *National Primary and Secondary Drinking Water Regulations* (40 CFR Parts 141 and 143; MCL) and *Water Quality Standards for Groundwaters of the State of Washington* (WAC 173-200; SGWC). Analytical results, rather than mean or median values, are compared with their respective standards. It must be noted that not all groundwater parameters that are analyzed have established regulatory standards.

Exceedances provide a cursory evaluation of changes relative to historical data. When an established standard is exceeded for the first time or is a statistically significant increase compared with historical results, the data are reviewed more carefully.

3.5. VOLATILE ORGANIC COMPOUND DETECTIONS

Groundwater volatile organic compound (VOC) detections are used as a groundwater quality evaluation method since the majority of organic compounds are synthetic and VOC occurrences in groundwater may be an indication of an impact from landfilling activities.

3.6. STATISTICAL ANALYSES

3.6.1. Intrawell Prediction Limits

Intrawell prediction limit methods are used in evaluating groundwater data at CHRLF. The intrawell prediction limit is a statistical test that compares an analytical result with a computed limit value derived from past analytical results from the same well, considered representative of historical well data. Ultimately, the prediction limits are used to determine if a sample is statistically elevated above background conditions

Before calculating the prediction limit, the data set is tested for normality by application of the Shapiro-Wilk Test for Normality. If the data fail the test for normality, transformed data are tested (Environmental Protection Agency, 2009). When normal or transformed normal data sets are determined, a parametric prediction limit is calculated, and future results compared with this value. The prediction limits generated for the annual report are based on a 5% false positive rate (type I error) and depend on the background distribution. If the normality test fails or if the dataset has fewer than 50% detections, the prediction limit is calculated based on the maximum value from

that dataset for the specific analyte. If the dataset is completely made up of non-detect data, the current method detection limit is used as the prediction limit. For prediction limit calculations non-detect values are evaluated as half the method detection limit.

For each parameter tested, the background dataset consists of the 50 most recent data points for the well, through the fourth quarter of the previous year. Prediction limits are recalculated annually during the first quarter and updated to include the previous year's sampling results.

Each quarter, analytical results are compared with their respective prediction limits for the current year. If there is a prediction limit exceedance, retesting of that analytical parameter at the respective location is required to determine if the exceedance represents a statistically significant increase over background. A 1-of-3 retesting plan is utilized for prediction limit exceedances at CHRLF (Aspect, 2013a).

3.6.2. Descriptive Statistics

The data from each monitoring well or surface water station are divided into two groups for evaluation. The first group consists of data from fourth quarter of 1999 through fourth quarter of the most recent year. The second group consists of the eight most recent analyses. Descriptive statistics describe general measures of a sample population, the extremes (maximum, minimum), central tendencies (mean, median), and variability (standard deviation). These descriptive statistics are compared with historical values to identify any significant changes. For the descriptive statistics calculations, non-detect values are evaluated as half of the method detection limit.

The eight most recent samples are considered to have more importance, both because of the timeliness of the data and improvements in the quality of the data. Although both means and medians are reported in the summary tables, medians are used in the text because they tend to be a more reliable measure of central tendency in the case of non-normal distributions, particularly when there are outliers. Natural waters are commonly characterized by non-normal distributions.

3.6.3. Trend Statistics

Trend testing was accomplished by using the Mann-Kendall test for trend, which involves listing the observations in temporal order and computing all differences that may be formed between measurements and earlier measurements. The test statistic is the difference between the number of strictly positive differences and the number of strictly negative differences. The tabulated results presented in a table in the annual report are: number of analyses, number of detections, direction of trend, probability, and significance of trend at a 95% confidence level. For the trend analysis, non-detect values are evaluated as half of the method detection limit.

The trend test evaluates data for long-term trends, which consists of the most recent 50 samples, and short-term trends utilize the last eight samples. As with the descriptive statistics, the eight most recent samples are considered to have more importance, both because of the timeliness of the data and improvements in the quality of the data.

4. RESULTS and DISCUSSION

4.1. GROUNDWATER

Groundwater monitoring well locations are shown on Figure 5. Each monitoring well penetrates one of two water-bearing zones, the shallower Perched Aquifers or the deeper Regional Aquifer. Well completion details are listed in Table 1.

Appendix A contains static water level measurements, field data, laboratory analytical results, and the corresponding laboratory data qualifier descriptions with unit definitions. Appendix B shows the groundwater elevation for each aquifer over time, as well as time series graphs for monitored constituents.

The Site-Wide Hydrogeologic Report Addendum (Aspect, 2013b) presents the latest interpretation of the hydrogeology, and that interpretation has been used in the preparation of potentiometric surface maps and calculations of groundwater velocities. Potentiometric surface maps, horizontal groundwater velocity calculations, and flow directions are included in Appendix C. Appendix D contains the ionic balance calculations and trilinear diagrams.

The *National Primary and Secondary Drinking Water Regulations* (40 CFR Parts 141 and 143; MCL) and *Water Quality Standards for Groundwaters of the State of Washington* (WAC 173-200; SGWC) can be found in Appendix E. The calculated 2025 prediction limits are also summarized in Appendix E. Exceedances of the regulatory standards and/or prediction limits are determined by comparing the raw analytical data to the corresponding limit. Exceedances are tabulated and reported in Appendix F, as are all groundwater VOC detections.

Descriptive statistical summary tables are compiled for routine groundwater analytes in Table 2; trend test analyses and summary tables are compiled for routine groundwater analytes in Tables 3 and 4.

While reviewing historic data from the site, it is important to note that several compounds, in particular acetone, zinc, and methylene chloride, have been frequently detected in blanks and field samples at similar concentrations. The likely source of these compounds is laboratory contamination.

Iron, manganese, and arsenic occur naturally in groundwater of this region. Ecology conducted a background study on arsenic in groundwater and found that the Puget Sound Basin has a natural background of 8 micrograms per liter (µg/L) (Ecology, 2022). Therefore, exceedances of the *Water Quality Standards for Groundwaters of the State of Washington* for these contaminants are believed to be mostly representative of background groundwater quality unaffected by the CHRLF.

The pH field data for the period between late 1993 and early 1996 may not be reliable due to inconsistent field instrumentation. For the purposes of this report, discussions of historical data will primarily focus on data from 1999 to present.

4.2. GROUNDWATER in PERCHED ZONES

The East Perched Zone (EPZ) refers to a series of localized areas, predominantly east of the Main Hill area of CHRLF, exhibiting shallow subsurface saturation that appears laterally and vertically discontinuous, typically within glacial till and lacustrine silts. The following 28 wells monitor the EPZ:

East Perched Zone		
MW-30A	MW-110	MW-45 [P]
MW-47	MW-111	MW-48 [P]
MW-50	MW-112	MW-55 [P]
MW-62	EB-6	MW-63 [P]
MW-102	MW-25 [P]	MW-79 [P*]
MW-103	MW-27A [P]	MW-98 [P]
MW-104	MW-28 [P]	EB-5 [P]
MW-107	MW-29 [P]	EB-5S [P]
MW-108	MW-41D [P]	
MW-109	MW-41S [P]	

P = piezometer; monitored for water level only
* = damaged and under evaluation

Monitoring wells sampled for groundwater quality on a quarterly basis in the EPZ include MW-30A, MW-47, MW-50, MW-62, MW-102, MW-103, MW-104, MW-107, MW-108, MW-109, MW-110, MW-111, MW-112, and EB-6. Monitoring wells MW-25, MW-27A, MW-28, MW-29, MW-41S, MW-41D, MW-45, MW-48, MW-55, MW-63, MW-79, MW-98, EB-5, and EB-5S are monitored for water levels only. MW-79 is damaged and under evaluation.

The following EPZ wells were not sampled during 2025:

Wells	Reason
MW-50	Insufficient water to collect sample; all quarters
MW-62	Insufficient water to collect sample; third and fourth quarters
MW-79[P]	Damaged; all quarters
MW-102	Insufficient water to collect sample; fourth quarter
MW-104	Purged dry, insufficient recovery; all quarters
MW-108	Insufficient water to collect sample; third and fourth quarters
MW-109	Insufficient water to collect sample; fourth quarter
MW-111	Insufficient water to collect sample; third and fourth quarters
MW-112	Insufficient water to collect sample; fourth quarter
MW-EB6	Insufficient water to collect sample; third and fourth quarters

P = piezometer; monitored for water level only

The South Solid Waste Area Perched Zone (SSWAPZ) refers to areas of perched groundwater south of CHRLF within deeper alluvium, recessional outwash, and/or weathered glacial till.

Monitoring well MW-101 monitors the SSWAPZ and monitoring well MW-105 was installed on the south side of the east leachate lagoon to detect potential leaks.

South Solid Waste Area Perched Zone
MW-101
MW-105#

= specific conductance only

Monitoring well MW-101 is sampled for groundwater quality quarterly. Monitoring well MW-105 is monitored quarterly for water level and specific conductance only.

In accordance with the SAP, if specific conductance at well MW-105 shows a statistically significant increasing trend or exceeds 500 micromhos per centimeter (µmhos/cm) specific conductance, additional sampling will be conducted. In the four quarters of 2025, conductivity at well MW-105 was field measured at 214.6 µmhos/cm, 238 µmhos/cm, 248.7 µmhos/cm, and 240.7 µmhos/cm, respectively (Appendix A).

Groundwater in the EPZ has been found to be impacted by landfill gas (Aspect, 2016). Comments on the Remedial Investigation and Feasibility Study (RI/FS) were received from Ecology and Public Health-Seattle & King County (Public Health) in February 2017. In an effort to work toward finalization of the RI/FS, SWD completed several infrastructure upgrades during 2018, including the decommissioning of 29 groundwater extraction wells, installation of six groundwater monitoring wells (MW-107 through MW-112), and installation of six landfill gas probes (GP-63 A/B/C and GP-64 A/B/C). A Request for Proposals was advertised on January 6, 2026, a consultant was selected on March 3, 2026, and contract negotiations are anticipated through June 2026; the project scope of work outlines additional work planned for the EPZ.

4.2.1. Groundwater Elevations and Flow Direction

Groundwater elevation data for the Perched Zones can be found in Appendix A, with graphs of groundwater elevation over time located in Appendix B.

In 2025, water level fluctuations in Perched Zone monitoring wells were generally between three and five feet, but in some wells were as little as one foot (Appendices A and B). This low response to the annual cycle of wet and dry seasons can be explained by the low storage capacity of the discontinuous low-permeability glacial till. The perched water levels generally indicate unconfined groundwater conditions.

Since the Perched Zone sediments are laterally and vertically discontinuous, potentiometric surface maps cannot be accurately generated for these wells. Groundwater elevations are within historical ranges.

4.2.2. Ion Balance and Trilinear Diagrams

Appendix D, Tables D-1 through D-4, contain the ion balances for the wells screened within the EPZ and SSWAPZ. Values of 0.0000 milligrams per liter (mg/L) within the tables indicate that this

constituent was not detected in the groundwater sample during lab analysis. To confirm analytical correctness, total cation-anion sums less than 5.0 meq/L must maintain a 10% or less difference between the total cation and total anion results. If the cation-anion sum is greater than 5.0 meq/L, the difference between total cations and total anions must be less than 5% to be analytically sound. Deviations from these thresholds may indicate that there was an analytical, sampling, or water quality issue.

Most wells met the total cation-anion sum and percent difference thresholds. Monitoring wells MW-109 (all four quarters) and MW-30A (third quarter) had total cation-anion sums above 5 meq/L and the difference between the total cations and total anions was greater than 5%. Given the relatively high total ions--and thus relatively high total solids, total suspended solids, and total dissolved solids--it is most likely that the results represent the observed well conditions; the groundwater sample quality may have interfered with the laboratory sample analyses.

The trilinear diagrams for the EPZ and South Solid Waste Area samples are plotted in Appendix D, Figures D-1 through D-4.

Most EPZ results show that the cation type is calcium to nondominant with bicarbonate as the dominant anion. In this sample population, the alkaline earths generally exceed alkalis and the weak acids exceed strong acids, with sample composition mostly being >60% hardness causing constituents (Calcium and Magnesium) and >60% weak acids (carbonate and bicarbonate). Most samples are plotted within the magnesium bicarbonate hydrochemical facies, which is consistent with historic samples.

Monitoring well MW-109 exhibits a dominant sodium and potassium cation and bicarbonate anion. Alkalis exceed alkaline earths, and weak acids exceed the strong acids, with the sample composition being <40% hard and >90% carbonate and bicarbonate. Since the sample has a higher ratio of weak acids to hardness, it is anticipated that the hardness will be temporary, which means demineralization may occur. The sample plots in the sodium bicarbonate hydrochemical facies, which aligns with previous sampling events.

Monitoring well MW-EB6 exhibits a sodium and potassium to nondominant cation type with bicarbonate as the dominant anion. There is a balance of approximately 50% alkalis and 50% alkaline earths, and weak acids exceed the strong acids. Sample composition is approximately 50% hard and >90% carbonate and bicarbonate. Since the sample has a higher ratio of weak acids to hardness, it is anticipated that the hardness will be temporary, which means demineralization may occur. The sample plots between the magnesium bicarbonate and “mixed type” hydrochemical facies, which is consistent with previous sampling events.

South Solid Waste Area Perched Zone monitoring well MW-101 has a nondominant cation type with bicarbonate as the dominant anion. Sample composition is >80% calcium and magnesium and >95% weak acids. Ultimately the sample plots in the magnesium bicarbonate hydrochemical facies, consistent with previous results.

The leachate analytical results from location LS-V1A (Appendix D, Figures D-2 through D-4) have been plotted on the trilinear diagram for comparison purposes. Leachate results from LS-V1A

exhibit a dominant sodium and potassium cation and bicarbonate anion type. The sample shows that weak acids exceed strong acids and plot on the border between sodium bicarbonate and mixed type hydrochemical facies. Leachate quality does not represent natural waters, and sample LS-V1A is plotted in an area of the graph that is mostly distinct from the Perched Zone groundwater results described above.

4.2.3. Groundwater Exceedances

The *National Primary and Secondary Drinking Water Regulations* (40 CFR Parts 141 and 143; MCL) and *Water Quality Standards for Groundwaters of the State of Washington* (WAC 173-200; SGWC) can be found in Appendix E.

Exceedances of the SGWCs and MCLs are summarized in Appendix F, Table F-1.

Groundwater in the EPZ has been found to be impacted by landfill gas (Aspect, 2016). There were no new exceedances observed in the Perched Zones during 2025. Nevertheless, several state and federal exceedances persist within the subject wells.

The following State Criteria were exceeded at the respective wells:

- pH at MW-EB6, MW-30A, MW-62, MW-102, MW-107, MW-110, and MW-111
- specific conductance at MW-47 and MW-109
- total dissolved solids at MW-47 and MW-109
- total arsenic at MW-EB-6, MW-30A, MW-47, MW-62, MW-101, MW-102, MW-103, MW-107, MW-108, MW-109, MW-110, MW-111, and MW-112
- total chromium at MW-109
- total iron at MW-47, MW-101, MW-102, MW-107, MW-109, and MW-110
- total manganese at MW-47, MW-101, MW-103, MW-107, MW-109, and MW-110
- 1,1-dichloroethane at MW-30A
- vinyl chloride at MW-30A, MW-47, MW-101, MW-107, MW-109, and MW-110

The following Federal MCLs were exceeded at these wells:

- pH at MW-EB6, MW-30A, MW-62, MW-102, MW-107, MW-110, and MW-111
- total dissolved solids at MW-47 and MW-109
- total arsenic at MW-109
- total chromium at MW-109
- total iron at MW-47, MW-101, MW-102, MW-107, MW-109 and MW-110
- total manganese at MW-47, MW-101, MW-103, MW-107, MW-109, and MW-110
- vinyl chloride at MW-47

Although it is not classified as an MCL, the recommended drinking water guideline for sodium (20 mg/L) was exceeded at the following wells:

- total sodium at MW-47, MW-108, MW-109, MW-110, and MW-112

It must be noted that not all constituents have SGWC or MCL values. In addition, some of the total arsenic, total iron, and total manganese exceedances may be related to background conditions and

are consistent with the historical data. The VOC exceedances described in this section are consistent with previous years and are the result of known landfill gas impacts.

4.2.4. Prediction Limit Exceedances

The 2025 Intrawell Prediction Limits can be found in Appendix E. Exceedances of the intrawell prediction limits are summarized in Appendix F, Table F-3.

The following constituents exceeded their respective intrawell prediction limits at the corresponding wells:

- total antimony at MW-109
- total barium at MW-30A
- total chromium at MW-112
- total selenium at MW-108, MW-109, and MW-112
- 1,1-dichloroethane at MW-30A
- vinyl chloride at MW-30A

The prediction limit exceedances listed above have result values that do not exceed the SGWCs nor the MCLs.

4.2.5. Volatile Organic Compound Detections

Groundwater VOC detections are summarized in Appendix F, Table F-5.

During the reporting year, the following VOC detections occurred:

- 1,1-dichloroethane at MW-30A, MW-47, MW-62, MW-101, MW-102 and MW-110
- 1,1-dichlorobenzene at MW-109 and MW-110
- 1,2-dichlorobenzene at MW-110
- 1,2-dichloroethane at MW-47, MW-101, MW-110
- 1,2-dichloropropane at MW-110
- 1,4-dichlorobenzene at MW-107, MW-109, and MW-110
- benzene at MW-109 and MW-110
- chlorobenzene at MW-107 and MW-110
- chloroethane at MW-47, MW-101, and MW-110
- cis-1,2-dichloroethene at MW-30A, MW-47, MW-62, MW-101, MW-109, MW-110, and MW-111
- dichlorodifluoromethane at MW-47
- ethylbenzene at MW-109
- tetrachloroethene at MW-30A and MW-76
- toluene at MW-109
- trans-1,2-dichloroethene at MW-30A and MW-110
- trichloroethene at MW-30A, MW-110, and MW-111
- vinyl chloride at MW-30A, MW-47, MW-101, MW-107, MW-109, and MW-110

Detections of VOCs were consistent with previous years for samples collected from the EPZ and SSWAPZ.

4.2.6. Descriptive and Trend Statistics

Descriptive statistics and trend analyses for the Perched Aquifers are summarized in Tables 2, 3, and 4.

Short-term statistically significant increasing trends occurred for the following constituents and wells:

- total zinc at MW-107
- pH at MW-101
- specific conductance at MW-30A
- ammonia at MW-101
- chloride at MW-30A
- dissolved iron at MW-107
- dissolved calcium at MW-30A, and MW-112
- dissolved magnesium at MW-30A, and MW-112
- dissolved sodium at MW-30A

The remaining short-term trends were flat or decreasing for the Perched Zones during 2025.

Of the constituents and wells that did display short-term increasing trends, the following also displayed long-term increasing trends:

- dissolved calcium at MW-112
- dissolved magnesium at MW-112

Of the short-term trends listed above, none of the wells and constituents displaying an increasing trend had results exceeding the 2025 intrawell prediction limits.

Monitoring well MW-107, which showed a short-term increasing trend for dissolved iron, also had an exceedance of the SGWC and MCL for total iron. This was the only instance of a short-term increasing trend that also exceeded the SGWC and/or MCL.

Trends for Perched Zones are consistent with previous results, and the trends will continue to be monitored.

4.2.7. 2025 Appendix III Results

During 2025, KCSWD sampled the full suite of Appendix III parameters at wells MW-30A, MW-47, and MW-101. Appendix III analytical data can be found in Table A-8 of Appendix A with the exceedances and VOC detections reported in Tables F-1 and F-5 of Appendix F.

All Washington State Groundwater Quality Criteria exceedances, Prediction Limit exceedances, and VOC detections that occurred within the Perched Zones during 2025 were reported in Sections 4.2.3, 4.2.4, and 4.2.5.

During the reporting year, the following detections of Appendix III (non-VOC) constituents occurred:

- total 2,3,7,8-TCDD at MW-30A, MW-47, and MW-101
- Bis(2-Ethylhexyl) Phalalate at MW-30A and MW-101
- Diethylphthalate at MW-101

Any detections of Appendix III VOC constituents are reported in section 4.2.5. and can be found in Table F-5 of Appendix F, as mentioned above. All Appendix III detections in the Perched Zone are consistent with previous sampling results.

4.2.8. Summary

Sample results from several Perched Zone wells exceeded their respective MCLs in 2025. The constituents most frequently exceeding the MCL were pH, total arsenic, total iron, total manganese, and vinyl chloride. The monitoring wells most frequently exhibiting MCL exceedances were MW-47 and MW-109. The monitoring well with the most VOC detections in 2025 was MW-110, although none of these constituted an MCL exceedance.

An MCL exceedance of total iron at MW-107 also coincided with a short-term increasing trend for dissolved iron. No MCL exceedances coincided with intrawell prediction limit exceedances, nor did any prediction limit exceedances coincide with short-term increasing trends. Dissolved calcium and dissolved magnesium at monitoring well MW-112 displayed long-term increasing trends in addition to short-term increasing trends, but did not exceed any prediction limits or regulatory standards.

Groundwater conditions in the Perched Zones are consistent with previous years. Impact from landfill activities is evident in monitoring wells MW-30A, MW-47, MW-109, and MW-110. Current groundwater impacts in the EPZ are the result of landfill gas (Aspect 2016). Since 2016, several infrastructure upgrades have been completed in the EPZ, including the decommissioning of 29 groundwater extraction wells, installation of six groundwater monitoring wells (MW-107 through MW-112), and installation of six landfill gas probes (GP-63 A/B/C and GP-64 A/B/C). A Request for Proposals was advertised on January 6, 2026 and the scope of work outlines additional work planned for the EPZ.

4.3. GROUNDWATER in REGIONAL AQUIFER

There are 44 wells completed in the Regional Aquifer that are monitored either quarterly or semiannually at CHRLF. Water levels are monitored in each well at the beginning of every quarter. A subset of 18 Regional Aquifer wells are sampled quarterly for groundwater quality, while an additional 15 wells are sampled semi-annually, during the second and fourth quarters.

Shallower Wells - Quarterly		
MW-66[U]	MW-114[U]	MW-80
MW-81[U]	MW-115[U]	MW-85
MW-83[U]	MW-68	MW-87
MW-84[U]	MW-69*	MW-93
MW-94[U]	MW-72	MW-106[P]
MW-113[U]	MW-74R	
Shallower Wells – Semiannual		
MW-60[U]	MW-76[U]	MW-95
MW-64[U]	MW-82[U]	
MW-67	MW-86	
MW-73[U]	MW-88	

Deeper Wells - Quarterly	
MW-59[U]	MW-91[P]
MW-75	MW-99[P]
MW-22P[P]	NPW-1[P]
MW-43[P]	NPW-3[P]
MW-58A[P]	
MW-90[P]	
Deeper Wells – Semiannual	
MW-21[U]	MW-65[U]
MW-24[U]	MW-89
MW-54[QU]	
MW-56[U]	

P = Piezometer; monitored for water level only
Q = Well previously monitored for water level only; sampled for VOCs only per 2022 request by QCF & EPA; wells MW-57, MW-58A, and MW-60 removed from monitoring requirement as of September 2025
U = upgradient
* = damaged, not sampled and under evaluation

Monitoring wells that are sampled for groundwater quality include:

- Quarterly: MW-59, MW-66, MW-68, MW-69, MW-72, MW-74R, MW-75, MW-80, MW-81, MW-83, MW-84, MW-85, MW-87, MW-93, MW-94, MW-113, MW-114, and MW-115
- Semi-Annually: MW-21, MW-24, MW-54, MW-56, MW-60, MW-64, MW-65, MW-67, MW-73, MW-76, MW-82, MW-86, MW-88, MW-89, MW-95, and MW-100

Monitoring wells MW-22P, MW-43, MW-90, MW-91, MW-99, and MW-106, as well as water supply wells NPW-1, and NPW-3 are monitored for water levels only.

In an email dated September 24, 2025 the US Environmental Protection Agency (EPA) communicated to KCSWD that VOC sampling was no longer required at monitoring wells MW-57, MW-58A, and MW-60. Although monitoring was no longer required for QCF purposes, KCSWD intends to continue sampling well MW-60 in place of MW-100. Due to construction of new landfill cell Area 9, monitoring well MW-100 was decommissioned in December 2025.

The following Regional Aquifer wells were not sampled during 2025:

Wells	Reason
MW-69	Damaged well; all quarters
MW-93	Unable to collect sample due to suspected issues with the dedicated pump; first quarter
MW-100	Unable to collect sample due to pump being removed in anticipation of well decommissioning; fourth quarter

Groundwater quality data for samples collected from the Regional Aquifer are consistent with recent sample results.

4.3.1. Groundwater Elevations and Flow Direction

Groundwater elevations can be found in Appendix A, and the hydrographs are plotted in Appendix B.

During 2025, the average groundwater elevation in the Regional Aquifer fluctuated between one and five feet throughout the year. The most groundwater elevation fluctuations occurred near the southern border of the facility. Seasonal variability can thus be readily observed on the hydrographs, as well as the longer-term climatic trends from regional precipitation patterns (Appendix B). Seasonally, groundwater elevations are generally highest during the first and second quarters and are lowest during the third and fourth quarters, and the longer period (approximately 10 years) groundwater elevations fluctuate approximately five feet in response to climatic cycles. The Regional Aquifer water levels generally indicate unconfined groundwater conditions. Groundwater elevations are within historical ranges.

Calculated groundwater elevations, flow directions, gradients, velocities and potentiometric surface maps can be found in the Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations Memos (Appendix C).

The gradient, horizontal velocity, and groundwater flow directions are divided into northern, central, and southern areas of the landfill based on a flow path model developed by Aspect Consulting, LLC (2011). The three areas were determined primarily by hydraulic location relative to the landfill: the southern area is upgradient, the central area is crossgradient, and the northern area is downgradient. Aspect also used the geochemical conceptual site model they developed to refine the flow path locations of each of the areas.

For the reporting year, horizontal gradients ranged from 0.007 (unitless) to 0.016. Gradients were lowest in the northern downgradient area of the site while the southern upgradient portion of the site had the highest gradients. The horizontal groundwater velocity ranged from 0.001 feet per day to 4.06 feet per day. In general, the southern area has the lowest horizontal groundwater velocities while the central and northern areas have the highest velocities. Based on the potentiometric surface maps, the general groundwater flow direction was northward with northeasterly and northwesterly flow components.

4.3.2. Ion Balance and Trilinear Diagrams

In Appendix D, Tables D-5 through D-8 contain the ion balances for wells screened within the Regional Aquifer. Values of 0.0000 mg/L within the tables indicate that this constituent was not detected in the groundwater sample during lab analysis. To confirm analytical correctness, total cation-anion sums less than 5.0 meq/L must maintain a 10% or less difference between the total cation and total anion results. If the cation-anion sum is greater than 5.0 meq/L, the difference between total cations and total anions must be less than 5% to be analytically sound. Deviations from these thresholds may indicate that there was an analytical, sampling, or water quality issue.

During 2025, nearly all of the wells met the total cation-anion sum and total cation and total anion percent difference thresholds. During the second quarter, sample results from monitoring wells MW-56, MW-59, and MW-113 exceeded the ion balance thresholds. These three samples each had a total cation-anion sum above 5 meq/L and the difference between the total cations and total anions was greater than 5%. Second quarter sample results for MW-56, MW-59, and MW-113 are consistent with other recent sampling events. Given the relatively high total ions--and thus relatively high total solids, total suspended solids, and total dissolved solids--it is most likely that the results represent the observed well conditions; the groundwater sample quality may have interfered with the laboratory sample analyses.

The trilinear diagrams for the Regional Aquifer samples are plotted from the upgradient wells (Appendix D, Figures D-5 through D-8).

The upgradient groundwater samples generally have a nondominant to slightly calcium-dominant cation type with bicarbonate as the dominant anion. In this sample population, the alkaline earths exceed alkalis and the weak acids exceed strong acids, with sample composition being >70% hardness causing constituents (Calcium and Magnesium) and >60% weak acids (carbonate and bicarbonate). Ultimately, the upgradient samples are plotted within the magnesium bicarbonate hydrochemical facies, which is consistent with historic samples.

Downgradient groundwater samples show a nondominant or slightly magnesium-dominant cation type, and excluding well MW-87 (nondominant), samples have bicarbonate as the dominant anion. Most downgradient wells show >80% calcium and magnesium as well as >60% weak acids; these wells plot within the magnesium bicarbonate hydrochemical facies, similar to the upgradient sample results. Monitoring well MW-75 also shows >80% calcium and magnesium, but with a slightly higher proportion of strong acids, with just around 60% weak acids. Well MW-75 also plots within the magnesium bicarbonate hydrochemical facies.

Monitoring well MW-87 also shows >80% calcium and magnesium, but with a solution nearing 50% weak acidity; the subject well plots in a mixed type area of the diagram. All samples are plotted in zones consistent with recent trilinear diagram plots.

The leachate analytical results from location LS-V1A (Figures D-6 through D-8 in Appendix D) have been plotted on the trilinear diagram for comparison purposes. Leachate results from LS-V1A exhibit a dominant sodium and potassium cation and bicarbonate anion type. The sample shows that weak acids exceed strong acids and plot in on the border between sodium bicarbonate and

mixed type hydrochemical facies. Leachate quality does not represent natural waters, and sample LV1A is plotted in an area of the graph that is distinct from the Regional Aquifer groundwater results described above.

4.3.3. Groundwater Exceedances

The *National Primary and Secondary Drinking Water Regulations* (40 CFR Parts 141 and 143; MCL) and *Water Quality Standards for Groundwaters of the State of Washington* (WAC 173-200; SGWC) can be found in Appendix E.

Exceedances of the SGWCs and MCLs are summarized in Appendix F, Table F-2.

There were no new exceedances observed in the Regional Aquifer during 2025. Nevertheless, several state and federal exceedances persist within the subject wells.

The following State Criteria were exceeded at the respective wells:

- pH at MW-76, MW-82, MW-83, MW-94, and MW-115
- total arsenic at MW-21, MW-24, MW-56, MW-59, MW-60, MW-64, MW-65, MW-66, MW-67, MW-68, MW-72, MW-73, MW-74R, MW-75, MW-76, MW-80, MW-81, MW-82, MW-83, MW-84, MW-85, MW-87, MW-88, MW-89, MW-94, MW-95, MW_100, MW-113, MW-114, and MW-115
- total iron at MW-21, MW-24, MW-59, MW-64, MW-65, MW-67, MW-68, MW-72, MW-75, MW-80, MW-86, MW-87, MW-89, and MW-113
- total manganese at MW-21, MW-24, MW-56, MW-59, MW-64, MW-65, MW-67, MW-68, MW-72, MW-74R, MW-75, MW-80, MW-83, MW-87, MW-89, MW-93, MW-95, and MW-113
- trichloroethene at MW-76, MW-82, MW-114, and MW-115
- vinyl chloride at MW-54 and MW-65

The following Federal MCLs were exceeded at these wells:

- pH at MW-76, MW-82, MW-83, MW-94, and MW-115
- total arsenic at MW-68
- total iron at MW-21, MW-24, MW-59, MW-64, MW-65, MW-67, MW-68, MW-72, MW-75, MW-80, MW-86, MW-87, MW-89, and MW-113
- total manganese at MW-21, MW-24, MW-56, MW-59, MW-64, MW-65, MW-67, MW-68, MW-72, MW-74R, MW-75, MW80, MW-83, MW-87, MW-89, MW-93, MW-95, and MW-113
- trichloroethene at MW-114

It must be noted that not all constituents have SGWC or MCL values. Also, some of the total arsenic, total iron, and total manganese exceedances may be related to background conditions and are consistent with the historical data. The VOC exceedances described in this section are noted within hydraulically upgradient wells and are consistent with previous years.

4.3.4. Prediction Limit Exceedances

The 2025 Prediction Limits can be found in Appendix E. Exceedances of the intrawell prediction limits are summarized in Appendix F, Table F-4.

The following constituents exceeded their respective intrawell prediction limits at the corresponding wells during the reporting year:

- cis-1,2-dichloroethene at MW-59
- total barium at MW-24, MW-65, MW-72, and MW-74R
- total chromium at MW-82
- total selenium at MW-66
- total zinc at MW-72 and MW-82

Per the SAP, retesting protocols for the fourth quarter are as follows:

- MW-59 (cis-1,2-dichloroethene), MW-66 (total selenium), and MW-72 total barium and total zinc are exiting the retesting protocol.

- MW-24, MW-65, and MW-74R are entering the retesting protocol for total barium.

During 2025, none of the prediction limit exceedances in the Regional Aquifer were above SGWC or Primary Drinking Water MCLs. Cis-1,2-dichloroethene does not have a SGWC; however, both the prediction limit and the analytical result values are below the 70 ug/L Primary Drinking Water MCL.

4.3.5. Volatile Organic Compounds Detections

Groundwater VOC detections are summarized in Appendix F, Table F-6.

During the reporting year, the following VOC detections occurred:

- cis-1,2-dichloroethene at MW-56, MW-59, and MW-76
- tetrachloroethene at MW-76
- trichloroethene at MW-76, MW-82, MW-83, MW-94, MW-114, and MW-115
- vinyl chloride at MW-65

The VOCs listed were all detected in wells located hydraulically upgradient of the landfill. Detections of VOCs were generally consistent with previous years for samples collected from the Regional Aquifer.

4.3.6. Descriptive and Trend Statistics

Descriptive and trend statistical analyses results for the Regional Aquifer are summarized in Tables 2 and 3.

Short term statistically significant increasing trends occurred for the following constituents and wells:

- total barium at MW-74R
- total cobalt at MW-74R
- total zinc at MW-72
- specific conductance at MW-65, MW-66, MW-72, MW-80, and MW-87
- total dissolved solids at MW-93, and MW-74R
- total alkalinity at MW-74R, and MW-80
- ammonia at MW-93, and MW-74R
- chloride at MW-68, MW-72, and MW-74R
- sulfate at MW-80
- dissolved iron at MW-74R
- dissolved manganese at MW-74R, and MW-80
- dissolved calcium at MW-80

The remaining short-term trends were stable or decreasing for the Regional Aquifer during 2025.

In addition to a short-term increasing trend, the following constituents and wells also displayed long-term increasing trends:

- total barium at MW-74R
- total calcium at MW-80
- dissolved iron at MW-74R
- dissolved manganese at MW-74R and MW-80
- total alkalinity at MW-74R and MW-80
- ammonia at MW-74R
- chloride at MW-68, MW-72, and MW-74R
- specific conductance at MW-72, MW-80, and MW-87
- sulfate at MW-80
- total dissolved solids at MW-74R

In addition to showing a short-term trend for total barium at MW-74R, the fourth quarter total barium result at this well (0.00257 mg/L) also exceeded its intrawell prediction limit for 2025 (0.00246 mg/L). This result was well below the MCL (2 mg/L) and SGWC (1 mg/L) for total barium.

Monitoring wells MW-74R, which showed both short-term and long-term increasing trends for dissolved iron and dissolved manganese, also exhibited exceedances of the SGWC and MCL for total iron and total manganese. MW-80 also had both short-term and long-term exceedances for dissolved manganese in addition to exceeding the SGWC and MCL for total manganese. These were the only instances of constituent-well pairs with short-term increasing trends that also exceeded the SGWC and/or MCL.

Trends for constituent-well pairs in the Regional Aquifer are consistent with previous results, and the trends will continue to be monitored.

4.3.7. Summary

Sample results from several Regional Aquifer wells continued to exceed their respective MCLs in 2025, as noted for previous years. The constituents most frequently exceeding the MCL were total iron and total manganese. The monitoring well most frequently exhibiting MCL exceedances was MW-68. The monitoring wells with the most VOC detections in 2025 were MW-59, MW-76, MW-94, MW-114, and MW-115. All VOC detections in 2025 occurred at monitoring wells that are located hydraulically upgradient of CHRLF.

A MCL exceedance of total iron at MW-74R, and of total manganese at wells MW-74R and MW-80 coincided with short-term and long-term increasing trends for these constituent-well pairs in 2025. Total barium also showed a short-term increasing trend at MW-74R, in addition to exceeding its intrawell prediction limit, although it did not exceed the SGWC or MCL. No MCL exceedances at Regional Aquifer wells coincided with intrawell prediction limit exceedances in 2025.

The 2025 groundwater quality results for monitoring wells in the Regional Aquifer are consistent with previous years.

4.4. OFFSITE DOMESTIC WELL MONITORING

In addition to the monitoring wells immediately surrounding the CHRLF, KCSWD collects periodic groundwater samples from each of four offsite water supply wells used by neighboring landowners and residents. These wells are tested once per year (typically during the fourth quarter) for the same suite of analytes as the Regional Aquifer monitoring wells. Offsite wells 1, 2, and 3 are used for residential drinking water, while offsite well 4 is used for irrigation. Field and analytical results (Appendix A) from the offsite well sampling are shared with the owners and/or caretakers of each well. Monitoring results from 2025 are consistent with past sampling events.

4.5. QUEEN CITY FARMS MONITORING

In 1992, the EPA issued an Administrative Consent Order that required KCSWD to conduct environmental monitoring and reporting activities related to the Queen City Farms (QCF) site that borders CHRLF to the south. In 2007, EPA allowed some of the required monitoring and reporting to be discontinued, but the Order remained in effect. In 2022, EPA sent letters to KCSWD reinstating specific environmental monitoring and reporting requirements. In response to the 2022 communications, KCSWD engaged with EPA and QCF representatives to collaboratively identify and implement monitoring and reporting activities that would meet EPA and QCF needs (EPA, 2023). This monitoring has included semi-annual groundwater quality sampling for cis-1,2-DCE, PCE, TCE, and VC at monitoring wells MW-54, MW-57, MW-58A, and MW-60, which were previously monitored only for quarterly water levels. In an email dated September 24, 2025 the EPA communicated to KCSWD that VOC sampling was no longer required at monitoring wells MW-57, MW-58A, and MW-60. Although monitoring was no longer required for QCF purposes, KCSWD intends to continue sampling MW-60 as part of the quarterly groundwater monitoring in preparation for the future decommissioning of MW-100.

The VOC monitoring results for the QCF site in 2025 are consistent with previous sampling events. All field and analytical results can be found in Appendix A, Table A-6.

5. SURFACE WATER QUALITY

Appendix G contains the raw field data collected during quarterly sampling as well as the laboratory analytical results for surface water and stormwater monitoring at CHRLF. See Figure 6 for a map of monitoring locations.

5.1. INDUSTRIAL STORMWATER GENERAL PERMIT

CHRLF stormwater discharge is authorized by an Industrial Stormwater General Permit (ISGP) issued by Ecology. Monitoring locations SW-N4, SW-SL3 and SW-GS1 (see Figure 2) are the designated points for comparison with stormwater permit benchmarks and effluent limits. During the third quarter of 2025, no ISGP samples were collected due to a lack of flow at the monitoring locations.

As of 2025, samples collected from ISGP sampling locations at CHRLF are analyzed for polyfluoroalkyl substance (PFAS) analytes. Quarterly PFAS sampling is also performed at locations IN1, IS1, IS2, and SW-SL3 where stormwater infiltrates to groundwater. Note that PFAS monitoring results from first quarter of 2025 were reported in picograms per liter (pg/L), whereas all later monitoring results are reported in nanograms per liter (ng/L). A ng/L is equal to 1000 pg/L or 0.001 ug/L.

During the fourth quarter of 2025, there was an exceedance of the turbidity effluent limit at ISGP monitoring location SW-N4. There were no other effluent limit or benchmark exceedances at ISGP monitoring locations in 2025. The ISGP does not have benchmarks for PFAS and only requires reporting, but all samples were below EPA's Aquatic Life Criteria. ISGP Discharge Monitoring Reports (DMRs) are included in Attachment H of the *Cedar Hills Regional Landfill 2025 Annual Report.*

5.2. EPZ SURFACE WATER MONITORING

Quarterly surface water monitoring is performed at monitoring location East 1 (SW-E1) where surface water flows offsite at the east boundary of the property. Location SW-E1 is monitored quarterly for the same list of analytes monitored in groundwater samples from the EPZ. Samples are also collected and analyzed for Appendix III constituents annually during the fourth quarter. In 2025, samples were collected from SW-E1 during the first, second, and fourth quarters; attempts were made to collect a sample during the third quarter 2025 but due to a lack of flow, no sample was taken.

5.3. OTHER SURFACE WATER SAMPLING

In early January 2025, a persistent inflow of suspected leachate/groundwater mixture was observed by SWD Operation staff; the liquid was flowing through a failed grout seal into a clean stormwater vault located along the west haul road. After initial discovery, conductivity measurements of the vault inflow were taken to confirm the presence of leachate in the liquid.

Field measurement results were higher than the meter range of 2,000 microMhos/centimeter (umhos/cm), confirming the likely presence of leachate outside the landfill cell(s) and in the native soils. The leachate release was reported to both Public Health and Ecology via the Environmental Report Tracking System (ERTS). The incident number assigned for this ERTS by Ecology is #736235.

A sample of the affected stormwater was collected by KCSWD personnel on January 8, 2025 and sent to KCEL for analysis, with the sample location name SW-A7W. Field and analytical results for this sample can be found in Appendix G, Tables G-1 through G-6.

6. LEACHATE

The 2025 leachate monitoring results are compiled in Appendix H and include sample results for stations:

- LS-LEPS (required monitoring under Wastewater Discharge Authorization No. 7842-04)
- LS-LV1A (characterization sample)
- LS-CSW (characterization sample)
- LS-PS4 (characterization sample)
- LS-PS1A (characterization sample)
- LS-PS2A (characterization sample)
- LS-A567 (characterization sample)
- LS-MH46N (characterization sample)

Location LS-LEPS, or Pump Station 5, represents the total wastewater effluent that is discharged after aeration in the southern leachate lagoons. Location LS-LV1A represents the total wastewater influent that discharges into the leachate lagoons, pre-aeration, and is plotted on the trilinear diagrams for the Perched Zones and Regional Aquifer wells as a reference point. All other locations represent individual wastewater streams that feed into LS-V1A and are monitored monthly for characterization.

See Figure 7 for a map of the leachate control system.

7. LANDFILL GAS MONITORING

The vadose zone is monitored by a network of compliance probes installed around the perimeter of the landfill (see Figure 8). Probes are monitored monthly for performance and quarterly for compliance. All landfill gas monitoring results are presented in Attachment G of the *Cedar Hills Regional Landfill 2025 Annual Report*.

During 2025, no exceedances of the methane regulatory limit (5% LEL) occurred in any of the perimeter compliance monitoring probes. Methane was detected in multiple interior monitoring probes at more than 5% by volume. These detections mainly occurred in the vicinity of the Cedar Hills Renewable Gas to Energy (CHRGE) facility and around the easternmost portion of the landfill. In response, adjustments were made twice a month to landfill gas wells inside the footprint of the landfill refuse to optimize collection of landfill gas. These adjustments were successful in containing and preventing migration of methane outside of the landfill refuse footprint, as demonstrated in the results of the migration probe monitoring.

No methane was detected at concentrations above 100 ppm (0.01% by volume) inside any of the CHRLF facilities or in offsite facilities (Passage Point).

8. TOP DECK REPORT

Area 5 Top Deck surface water locations SW-TD1 and SW-TD2 are sampled quarterly to monitor for leachate and/or landfill gas impacts to stormwater runoff from Area 5, which could indicate a failure of the Area 5 interim cover system. Field and analytical data can be found in Appendix G, and a summary report of the Area 5 Top Deck Monitoring for fourth quarter of 2025 can be found in Appendix I.

Monitoring results for 2025 indicate that the interim cover system on Area 5 is functioning as intended and successfully preventing contamination of stormwater by leachate or landfill gas. A sample was collected from monitoring location SW-TD1 during the fourth quarter of 2025. Attempts were made to collect a sample at location SW-TD2, but none was taken due to a lack of flow. Field and analytical results from the sample collected at SW-TD1 exceeded the benchmarks for turbidity and total iron and had slightly elevated concentrations for other parameters including alkalinity, chemical oxygen demand, and total organic carbon. Despite these elevated concentrations, water quality was much closer to that of historical SW-S1 samples than it was to leachate samples collected at location LS-V1A. It is most likely that elevated turbidity and total iron are the result of runoff coming into contact with exposed soils on top of Area 5, and not the result of impacts from leachate or landfill gas. Settlement monitoring shows that the landfill has continued to settle at a slow rate and that no differential settlement occurred in 2025.

9. DOMESTIC WELL SURVEY

Task 8 of the 2025 Addendum to Municipal Solid Waste Landfill Permit PR0015736 (2025 MSW Permit Addendum), requires KCSWD to provide an update of the domestic well survey to Public Health and Ecology. The time available to write the CHRLF groundwater monitoring reports was compressed due to delayed availability of analytical data by KCEL. After a discussion of reporting timelines with Public Health and Ecology, it was decided that KCSWD would submit the 2024 domestic well survey performed for Area 9, which was completed pursuant to WAC 173-351-730. The findings of this survey are submitted in Appendix J, which contains the domestic well locations map (Figure J-1), a table of the domestic wells identified within the search area (Table J-1), and the corresponding well logs (Attachment J-1).

The Washington State Well Report Viewer database was searched to identify well reports within the search area (BHC and UES, 2024). The search area extended 2,000 feet from the limits of waste in all areas and 3,000 feet north from the limits of the waste to the north. Sixteen domestic wells were identified (Appendix J, Figure J-1, Table J-1, and Attachment J-1).

10. CONCLUSIONS AND RECOMMENDATIONS

10.1. CONCLUSIONS

Conditions at the CHRLF show a continuation of historic trends. The following conclusions can be made from this annual report:

1. Landfilling impacts have been recognized in the EPZ at monitoring wells MW-30A, MW-47, MW-109, and MW-110, including for VOCs. Detections for the VOCs have flat short-term trends. Landfill gas is believed to be the primary contributor to impacts noted in the EPZ.
2. The Perched Zone monitoring wells most frequently exhibiting MCL exceedances were MW-47 and MW-109, and the monitoring well with the most VOC detections in 2025 was MW-110, although none of these constituted an MCL exceedance.
3. The Regional Aquifer monitoring well most frequently exhibiting MCL exceedances was MW-68 and all VOC detections in the Regional Aquifer occurred at monitoring wells that are located hydraulically upgradient of CHRLF.
4. There were no methane exceedances this year at any of the compliance landfill gas probes surrounding CHRLF. Generally, the highest volume of carbon dioxide was present in interior monitoring probes ATC-3S, GP-3, GP-8, GP-47S, GP-47I, GP-48D, GP-55, GP-57, GP-58, GP-59 and compliance monitoring probes GP-27, GP-34A, and GP-44A.

10.2. RECOMMENDATIONS/PROPOSED ACTIONS

1. There should be continued monitoring of the groundwater quality and the potentiometric surfaces at the groundwater monitoring wells, as well as monitoring the unsaturated portion of the vadose zone at the landfill gas probes. Continued sampling at leachate sampling locations, surface water locations, and offsite domestic wells.
2. It is recommended that KCSWD continue working on the RI/FS for the EPZ.
3. It is recommended that the *Site-Wide Hydrogeologic Report* be updated.
4. It is recommended that the *Environmental Monitoring Sampling and Analysis Plan for Cedar Hills Regional Landfill* be updated.
5. There should be continued annual monitoring of the full Appendix III list for the EPZ wells; the next sampling event will occur during the fourth quarter of 2026.

11. REFERENCES

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APPENDIX A

Groundwater Data

Laboratory Qualifiers
Unit Definitions
Synoptic Static Water Levels
Field Parameters
Conventional Parameters
Dissolved and Total Metals
Volatile Organic Compounds
VOC Trip Blanks & Field Blanks
Appendix III Parameters

KING COUNTY SOLID WASTE DIVISION
LABORATORY QUALIFIERS
(Updated 8/27/2015)

QUAL	QUALIFIER DESCRIPTION
U	Undetected; Analyte Concentration Less than Method Detection Limit (< MDL)
T	Estimated; Less than Reporting Detection Limit (<RDL) but Greater than Method Detection Limit (> MDL)
J	Reported Value is an Estimate
B	Matrix Target Analyte Present in Blank, AND, Sample Result Less than or Equal to 10x Blank Detection
C	Confluent Growth
E	Estimated; Outside Expected Accuracy
H	Exceeds Holding Time
R	Data Rejected
S	Sample Handling Errors
X	Too Numerous to Count
D	Re-analysis Due to Dilution
P	PASS – Qualitative Result Acceptable
F	FAIL – Qualitative Result is not Acceptable
G	Estimated with Low Bias (Coliform; BOD; All Other Chemistry Parameters)
L	Estimated with High Bias (BOD; All Other Chemistry Parameters)

KING COUNTY SOLID WASTE DIVISION
UNIT DEFINITIONS

UNIT ABBREVIATION	UNIT DEFINITION
°C	degrees celcius
CFU/100 mL	colony forming units/100 millileters
g/mol	grams/mole
meq/L	milliequivalents per litre
mg/L	milligram/liter
mV	millivolt
ntu	nephelometric turbidity unit
std. pH units	standard pH units
ug/L	microgram/liter
umhos/cm	microsiemens/centimeter

Table A-1
Groundwater – Synoptic Static Water Levels – Initial Measurements (Regional)

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-21	2025-01-06	420.66	293.88	126.78
MW-24	2025-01-06	475.99	328.08	147.91
MW-54	2025-01-06	580.43	300.64	279.79
MW-56	2025-01-06	480.33	349.70	130.63
MW-57	2025-01-06	456.64	349.95	106.69
MW-58A	2025-01-06	479.27	327.91	151.36
MW-59	2025-01-06	457.13	330.78	126.35
MW-60	2025-01-06	567.15	335.83	231.32
MW-64	2025-01-06	594.33	326.65	267.68
MW-65	2025-01-06	545.83	334.2	211.63
MW-66	2025-01-06	531.28	291.14	240.14
MW-73	2025-01-06	485.7	292.99	192.71
MW-76	2025-01-06	491.71	351.63	140.08
MW-81	2025-01-06	493.66	309.34	184.32
MW-82	2025-01-06	474.85	346.84	128.01
MW-83	2025-01-06	496.81	349.73	147.08
MW-84	2025-01-06	530.80	293.30	237.5
MW-94	2025-01-06	495.51	349.72	145.79
MW-99	2025-01-06	493.64	274.04	219.60
MW-113	2025-01-06	531.09	340.87	190.22
MW-114	2025-01-06	490.25	347.31	142.94
MW-115	2025-01-06	484.87	350.05	134.82
MW-22P	2025-01-06	517.12	283.67	233.45
MW-43	2025-01-06	547.06	282.57	264.49
MW-67	2025-01-06	516.43	294.25	222.18
MW-69	N/A	653.69	BROKEN	BROKEN
MW-72	2025-01-06	671.87	309.23	362.64
MW-74R	2025-01-06	531.26	289.32	241.94
MW-75	2025-01-06	532.40	285.56	246.84
MW-80	2025-01-06	530.41	289.99	240.42
MW-85	2025-01-06	531.76	284.41	247.35
MW-86	2025-01-06	536.04	295.28	240.76
MW-87	2025-01-06	537.31	287.64	249.67
MW-88	2025-01-06	513.68	285.06	228.62
MW-89	2025-01-06	512.82	279.85	232.97
MW-90	2025-01-06	502.22	279.61	222.61
MW-91	2025-01-06	532.02	283.85	248.17
MW-100	2025-01-06	620.32	320.39	299.93
MW-106	2025-01-06	475.47	283.67	191.80
WS-NPW-1	2025-01-06	646.33	311.83	334.50
WS-NPW-3	2025-01-06	645.81	312.87	332.94
MW-68	2025-01-06	647.07	313.25	333.82
MW-93	2025-01-06	632.15	321.78	310.37
MW-95	2025-01-06	571.54	318.82	252.72

Table A-1 (cont.)
Groundwater – Synoptic Static Water Levels – Initial Measurements (Perched)

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-EB5	2025-01-06	645.36	605.98	39.38
MW-EB5S	2025-01-06	645.77	638.60	7.17
MW-EB6	2025-01-06	589.61	563.70	25.91
MW-25	2025-01-06	474.41	469.47	4.94
MW-27A	2025-01-06	584.23	528.65	55.58
MW-28	2025-01-06	527.75	505.18	22.57
MW-29	2025-01-06	532.92	522.44	10.48
MW-30A	2025-01-06	568.43	541.46	26.97
MW-41D	2025-01-06	462.44	437.09	25.35
MW-41S	2025-01-06	462.32	458.33	3.99
MW-45	2025-01-06	488.40	473.66	14.74
MW-47	2025-01-06	634.60	617.58	17.02
MW-48	2025-01-06	594.49	550.54	43.95
MW-50	2025-01-06	637.05	607.313	29.71
MW-55	2025-01-06	652.29	622.02	30.27
MW-62	2025-01-06	556.21	506.45	49.76
MW-63	2025-01-06	515.88	505.59	10.29
MW-79	N/A	459.17	BROKEN	BROKEN
MW-98	2025-01-06	503.73	488.21	15.52
MW-102	2025-01-06	552.48	508.07	44.41
MW-103	2025-01-06	639.08	627.14	11.94
MW-104	2025-01-06	629.68	601.72	27.96
MW-107	2025-01-06	589.03	563.05	25.98
MW-108	2025-01-06	612.26	596.88	15.38
MW-109	2025-01-06	638.73	631.52	7.21
MW-110	2025-01-06	641.74	637.14	4.6
MW-111	2025-01-06	643.80	635.81	7.99
MW-112	2025-01-06	638.93	625.34	13.58
MW-101	2025-01-06	474.72	445.34	29.38
MW-105	2025-01-06	521.23	502.38	18.85

Table A-1
Groundwater – Synoptic Static Water Levels – Initial Measurement (Regional)

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-21	2025-04-01	420.66	294.46	126.20
MW-24	2025-04-01	475.99	329.48	146.51
MW-54	2025-04-01	580.43	300.97	279.46
MW-56	2025-04-01	480.33	352.33	128.00
MW-57	2025-04-01	456.64	354.77	101.87
MW-58A	2025-04-01	479.27	329.09	150.18
MW-59	2025-04-01	457.13	332.32	124.81
MW-60	2025-04-01	567.15	337.40	229.75
MW-64	2025-04-01	596.55	329.51	267.04
MW-65	2025-04-01	545.83	335.44	210.39
MW-66	2025-04-01	531.28	291.76	239.52
MW-73	2025-04-01	485.70	293.66	192.04
MW-76	2025-04-01	491.71	356.89	134.82
MW-81	2025-04-01	493.66	308.87	184.79
MW-82	2025-04-01	474.85	349.59	125.26
MW-83	2025-04-01	496.81	350.53	146.28
MW-84	2025-04-01	530.80	293.72	237.08
MW-94	2025-04-01	495.51	352.33	143.18
MW-99	2025-04-01	493.64	292.82	200.82
MW-113	2025-04-01	531.09	340.95	190.14
MW-114	2025-04-01	490.45	348.33	142.12
MW-115	2025-04-01	484.87	352.72	132.15
MW-22P	2025-04-01	517.09	284.60	232.49
MW-43	2025-04-01	547.06	283.28	263.78
MW-67	2025-04-01	516.43	294.94	221.49
MW-69	N/A	653.69	BROKEN	BROKEN
MW-72	2025-04-01	671.87	309.28	362.59
MW-74R	2025-04-01	531.36	290.32	241.04
MW-75	2025-04-01	532.40	286.32	246.08
MW-80	2025-04-01	530.41	290.57	239.84
MW-85	2025-04-01	531.76	285.48	246.28
MW-86	2025-04-01	536.04	285.79	250.25
MW-87	2025-04-01	537.31	288.32	248.99
MW-88	2025-04-01	513.68	285.73	227.95
MW-89	2025-04-01	512.82	280.62	232.20
MW-90	2025-04-01	502.22	280.78	221.44
MW-91	2025-04-01	532.02	284.67	247.35
MW-100	2025-04-01	620.32	320.70	299.62
MW-106	2025-04-01	475.47	284.71	190.76
WS-NPW-1	2025-04-01	646.33	312.42	333.91
WS-NPW-3	2025-04-01	645.81	313.48	332.33
MW-68	2025-04-01	647.07	313.73	333.34
MW-93	2025-04-01	632.15	322.07	310.08
MW-95	2025-04-01	571.54	318.92	252.62

Table A-1 (cont.)
Groundwater – Synoptic Static Water Levels – Initial Measurement (Perched)

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
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MW-EB5S	2025-04-01	645.77	638.13	7.64
MW-EB6	2025-04-01	589.61	561.27	28.34
MW-25	2025-04-01	474.41	468.95	5.46
MW-27A	2025-04-01	584.23	529.67	54.56
MW-28	2025-04-01	527.75	506.27	21.48
MW-29	2025-04-01	532.92	523.37	9.55
MW-30A	2025-04-01	568.43	542.44	25.99
MW-41S	2025-04-01	462.44	458.49	3.95
MW-41D	2025-04-01	462.32	436.89	25.43
MW-45	2025-04-01	488.40	474.68	13.72
MW-47	2025-04-01	634.60	618.34	16.26
MW-48	2025-04-01	594.49	550.66	43.83
MW-50	2025-04-01	637.02	607.35	29.67
MW-55	2025-04-01	652.29	625.10	27.19
MW-62	2025-04-01	556.21	506.91	49.30
MW-63	2025-04-01	515.88	506.11	9.77
MW-79	N/A	459.17	BROKEN	BROKEN
MW-98	2025-04-01	503.73	489.12	14.61
MW-102	2025-04-01	552.48	508.47	44.01
MW-103	2025-04-01	639.08	627.39	11.69
MW-104	2025-04-01	629.68	606.34	23.34
MW-107	2025-04-01	589.03	561.60	27.43
MW-108	2025-04-01	612.26	597.97	14.29
MW-109	2025-04-01	638.73	631.79	6.94
MW-110	2025-04-01	641.74	637.13	4.61
MW-111	2025-04-01	643.80	635.84	7.96
MW-112	2025-04-01	638.93	626.23	12.70
MW-101	2025-04-01	474.72	445.61	29.11
MW-105	2025-04-01	521.23	502.79	18.44

Table A-1
Groundwater – Synoptic Static Water Levels – Initial Measurement (Regional)

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-21	2025-07-07	420.66	294.53	126.13
MW-24	2025-07-07	475.99	329.5	146.49
MW-54	2025-07-07	580.43	300.72	279.71
MW-56	2025-07-07	480.33	352.25	128.08
MW-57	2025-07-07	456.64	352.67	103.97
MW-58A	2025-07-07	479.27	328.88	150.39
MW-59	2025-07-07	457.13	331.89	125.24
MW-60	2025-07-07	567.15	338.49	228.66
MW-64	2025-07-07	596.55	329.9	266.65
MW-65	2025-07-07	545.83	335.23	210.6
MW-66	2025-07-07	531.28	291.72	239.56
MW-73	2025-07-07	485.7	293.53	192.17
MW-76	2025-07-07	491.71	353.12	138.59
MW-81	2025-07-07	493.66	308.47	185.19
MW-82	2025-07-07	474.85	350.38	124.47
MW-83	2025-07-07	496.81	351.50	145.31
MW-84	2025-07-07	530.80	293.72	237.08
MW-94	2025-07-07	495.51	352.30	143.21
MW-99	2025-07-07	493.64	292.24	201.40
MW-113	2025-07-07	531.09	341.53	189.56
MW-114	2025-07-07	490.45	349.77	140.68
MW-115	2025-07-07	484.87	352.82	132.05
MW-22P	2025-07-07	517.09	283.9	233.19
MW-43	2025-07-07	547.06	282.86	264.2
MW-67	2025-07-07	516.43	294.67	221.76
MW-69	N/A	653.69	BROKEN	BROKEN
MW-72	2025-07-07	671.87	309.23	362.64
MW-74R	2025-07-07	531.26	290.35	241.01
MW-75	2025-07-07	532.40	286.03	246.37
MW-80	2025-07-07	530.41	290.48	239.93
MW-85	2025-07-07	531.76	285.07	246.69
MW-86	2025-07-07	536.04	285.67	250.37
MW-87	2025-07-07	537.31	288.26	249.05
MW-88	2025-07-07	513.68	285.73	227.95
MW-89	2025-07-07	512.82	280.08	232.74
MW-90	2025-07-07	502.22	279.95	222.27
MW-91	2025-07-07	532.02	284.4	247.62
MW-100	2025-07-07	620.32	320.98	299.34
MW-106	2025-07-07	475.47	284.43	191.04
WS-NPW-1	2025-07-07	646.33	311.98	334.35
WS-NPW-3	2025-07-07	645.81	307.26	338.55
MW-68	2025-07-07	647.07	312.76	334.31
MW-93	2025-07-09	632.15	321.79	310.36
MW-95	2025-07-07	571.54	319.14	252.4

Table A-1 (cont.)
Groundwater – Synoptic Static Water Levels – Initial Measurement (Perched)

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-EB5	2025-07-07	645.36	603.11	42.25
MW-EB5S	2025-07-07	645.77	633.04	12.73
MW-EB6	2025-07-07	589.61	560.36	29.25
MW-25	2025-07-07	474.41	462.63	12.09
MW-27A	2025-07-07	584.23	529.4	54.83
MW-28	2025-07-07	527.75	491.56	36.19
MW-29	2025-07-07	532.92	515.04	17.88
MW-30A	2025-07-07	568.43	541.22	27.21
MW-41D	2025-07-07	462.32	433.9	28.42
MW-41S	2025-07-07	462.44	452.89	9.55
MW-45	2025-07-07	488.4	471.47	16.93
MW-47	2025-07-07	634.60	614.42	20.18
MW-48	2025-07-07	594.49	548.29	46.2
MW-50	2025-07-07	637.02	605.76	31.26
MW-55	2025-07-07	652.29	621.57	30.72
MW-62	2025-07-07	556.21	502.84	53.37
MW-63	2025-07-07	515.88	497.25	18.63
MW-79	N/A	653.69	BROKEN	BROKEN
MW-98	2025-07-07	503.73	484.24	19.49
MW-102	2025-07-07	552.48	505.29	47.19
MW-103	2025-07-07	639.08	622.47	16.61
MW-104	2025-07-07	629.68	603.33	26.35
MW-107	2025-07-07	589.03	560.05	28.98
MW-108	2025-07-07	612.26	592.65	19.61
MW-109	2025-07-07	638.73	626.55	12.18
MW-110	2025-07-07	641.74	631.39	10.35
MW-111	2025-07-07	643.80	630.47	13.33
MW-112	2025-07-07	638.93	624.22	14.71
MW-101	2025-07-07	474.72	443.14	31.58
MW-105	2025-07-07	521.23	500.17	21.06

Table A-1
Groundwater – Synoptic Static Water Levels – Initial Measurement (Regional)

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-21	2025-10-01	420.66	294.21	126.45
MW-24	2025-10-01	475.99	328.22	147.77
MW-54	2025-10-01	580.43	300.47	279.96
MW-56	2025-10-01	480.33	350.05	130.28
MW-57	2025-10-01	456.64	349.34	107.30
MW-58A	2025-10-01	479.27	327.79	151.48
MW-59	2025-10-01	457.13	330.48	126.65
MW-60	2025-10-01	567.15	336.70	230.45
MW-64	2025-10-01	596.55	329.39	267.16
MW-65	2025-10-01	545.83	333.97	211.86
MW-66	2025-10-01	531.28	291.14	240.14
MW-73	2025-10-01	485.70	292.73	192.97
MW-76	2025-10-01	491.71	349.09	142.62
MW-81	2025-10-01	493.66	308.57	185.09
MW-82	2025-10-01	474.85	347.94	126.91
MW-83	2025-10-01	496.81	350.47	146.34
MW-84	2025-10-01	530.80	293.35	237.45
MW-94	2025-10-01	495.51	349.61	145.90
MW-99	2025-10-01	493.64	292.06	201.58
MW-113	2025-10-01	531.09	341.12	189.97
MW-114	2025-10-01	490.45	348.55	141.90
MW-115	2025-10-01	484.87	350.64	134.23
MW-22P	2025-10-01	517.09	283.68	233.41
MW-43	2025-10-01	547.06	282.37	264.69
MW-67	2025-10-01	516.43	294.61	221.82
MW-69	N/A	653.69	BROKEN	BROKEN
MW-72	2025-10-01	671.87	309.02	362.85
MW-74R	2025-10-01	531.26	289.87	241.39
MW-75	2025-10-01	532.40	285.60	246.80
MW-80	2025-10-01	530.41	290.17	240.24
MW-85	2025-10-01	531.76	284.35	247.41
MW-86	2025-10-01	536.04	285.09	250.95
MW-87	2025-10-01	537.31	287.90	249.41
MW-88	2025-10-01	513.68	285.21	228.47
MW-89	2025-10-01	512.82	279.56	233.26
MW-90	2025-10-01	502.22	279.31	222.91
MW-91	2025-10-01	532.02	283.98	248.04
MW-100	2025-10-01	620.32	320.61	299.71
MW-106	2025-10-01	475.47	283.80	191.67
WS-NPW-1	2025-10-01	646.33	311.99	334.34
WS-NPW-3	2025-10-01	645.81	307.09	338.72
MW-68	2025-10-01	647.07	313.18	333.89
MW-93	2025-10-01	632.15	322.11	310.04
MW-95	2025-10-01	571.54	318.78	252.76

Table A-1 (cont.)
Groundwater – Synoptic Static Water Levels – Initial Measurement (Perched)

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-EB5	2025-10-01	645.36	599.76	45.60
MW-EB5S	2025-10-01	645.77	624.59	21.18
MW-EB6	2025-10-01	589.61	558.70	30.91
MW-25	2025-10-01	474.41	453.45	20.96
MW-27A	2025-10-01	584.23	529.10	55.13
MW-28	2025-10-01	527.75	488.22	39.53
MW-29	2025-10-01	532.92	515.30	17.62
MW-30A	2025-10-01	568.43	538.75	29.68
MW-41D	2025-10-01	462.32	430.36	31.96
MW-41S	2025-10-01	462.44	448.04	14.40
MW-45	2025-10-01	488.40	469.08	19.32
MW-47	2025-10-01	634.60	611.85	22.75
MW-48	2025-10-01	594.49	548.27	46.22
MW-50	2025-10-01	637.02	603.21	33.81
MW-55	2025-10-01	652.29	619.47	32.82
MW-62	2025-10-01	556.21	502.23	53.98
MW-63	2025-10-01	515.88	497.21	18.67
MW-79	N/A	459.17	BROKEN	BROKEN
MW-98	2025-10-01	503.73	481.23	22.50
MW-102	2025-10-01	552.48	503.17	49.31
MW-103	2025-10-01	639.08	616.14	22.94
MW-104	2025-10-01	629.68	600.59	29.09
MW-107	2025-10-01	589.03	559.76	29.27
MW-108	2025-10-01	612.26	592.15	20.11
MW-109	2025-10-01	638.73	623.67	15.06
MW-110	2025-10-01	641.74	626.93	14.81
MW-111	2025-10-01	643.80	628.81	14.99
MW-112	2025-10-01	638.93	622.15	16.78
MW-101	2025-10-01	474.72	441.29	33.43
MW-105	2025-10-01	521.23	498.73	22.50

Table A-2
Groundwater – Synoptic Static Water Levels – Second Measurement

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-59	2025-01-07	457.13	330.80	126.33
MW-66	2025-01-08	531.28	291.30	239.98
MW-81	2025-01-14	493.66	308.75	184.91
MW-83	2025-01-13	496.81	349.78	147.03
MW-84	2025-01-08	530.80	293.17	237.63
MW-94	2025-01-13	495.51	350.29	145.22
MW-113	2025-01-08	531.09	340.87	190.22
MW-114	2025-01-07	490.25	347.28	142.97
MW-115	2025-01-07	484.87	350.14	134.73
MW-72	2025-01-13	671.87	309.41	362.46
MW-74R	2025-01-13	531.26	289.05	242.21
MW-75	2025-01-18	532.40	285.61	246.79
MW-80	2025-01-21	530.41	290.42	239.99
MW-85	2025-01-14	531.76	284.91	246.85
MW-87	2025-01-13	537.31	288.03	249.28
MW-68	2025-01-21	647.07	313.65	333.42
MW-93	2025-01-08	632.15	321.80	310.35
MW-93	2025-01-15	632.15	322.05	310.10
MW-EB6	2025-01-21	589.61	562.96	26.65
MW-30A	2025-01-14	568.43	541.61	26.82
MW-47	2025-01-15	634.60	617.78	16.82
MW-50	2025-01-15	637.05	607.33	29.72
MW-62	2025-01-13	556.21	506.47	49.74
MW-102	2025-01-16	552.48	507.86	44.62
MW-103	2025-03-25	639.08	627.34	11.74
MW-104	2025-01-15	629.68	602.31	27.37
MW-107	2025-01-21	589.03	560.91	28.12
MW-108	2025-01-16	612.26	597.04	15.22
MW-110	2025-01-16	641.74	636.91	4.83
MW-111	2025-01-16	643.80	635.32	8.48
MW-112	2025-01-21	638.93	625.70	13.23
MW-101	2025-01-08	474.72	450.74	23.98
MW-105	2025-03-14	521.23	502.05	19.18

Table A-2
Groundwater – Synoptic Static Water Levels – Second Measurement

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-21	2025-04-23	420.66	294.63	126.03
MW-24	2025-04-02	475.99	329.46	146.53
MW-54	2025-04-11	580.43	300.94	279.49
MW-56	2025-04-02	480.33	352.28	128.05
MW-57	2025-04-11	456.64	355.30	101.34
MW-58A	2025-04-11	479.27	328.84	150.43
MW-59	2025-04-03	457.13	331.96	125.17
MW-60	2025-04-11	567.15	337.47	229.68
MW-64	2025-04-08	596.55	329.39	267.16
MW-64	2025-04-14	596.55	329.28	267.27
MW-65	2025-04-03	545.83	335.00	210.83
MW-66	2025-04-23	531.28	291.84	239.44
MW-73	2025-04-23	485.70	293.94	191.76
MW-76	2025-04-09	491.71	357.10	134.61
MW-81	2025-04-10	493.66	308.72	184.94
MW-82	2025-04-02	474.85	349.54	125.31
MW-84	2025-04-10	530.80	293.71	237.09
MW-94	2025-04-02	495.51	352.30	143.21
MW-113	2025-04-03	531.09	340.69	190.40
MW-114	2025-04-03	490.25	348.10	142.15
MW-115	2025-04-09	484.87	352.92	131.95
MW-67	2025-04-14	516.43	294.68	221.75
MW-72	2025-04-24	671.87	309.37	362.50
MW-74R	2025-04-07	531.26	240.94	240.94
MW-80	2025-04-16	530.41	290.60	239.81
MW-85	2025-04-07	531.76	285.61	246.15
MW-86	2025-04-10	536.04	285.94	250.10
MW-87	2025-04-24	537.31	288.48	248.83
MW-88	2025-04-10	513.68	285.95	227.73
MW-89	2025-04-10	512.82	280.78	232.04
MW-100	2025-04-29	620.32	320.92	299.40
MW-68	2025-04-16	647.07	313.10	333.97
MW-93	2025-04-29	632.15	321.85	310.30
MW-95	2025-04-09	571.54	318.65	252.89
MW-EB6	2025-04-21	589.61	563.33	26.28
MW-30A	2025-04-21	568.43	542.50	25.93
MW-47	2025-04-17	634.60	618.13	16.47
MW-50	2025-04-29	637.05	602.57	33.70
MW-62	2025-04-23	556.21	506.34	49.87
MW-102	2025-04-21	552.48	507.85	44.63
MW-103	2025-05-22	639.08	626.87	12.21
MW-104	2025-04-17	629.68	606.23	23.45
MW-107	2025-04-16	589.03	561.55	27.48
MW-108	2025-04-22	612.26	547.15	15.11
MW-109	2025-04-18	638.73	631.43	7.30
MW-110	2025-04-16	641.74	636.93	4.81
MW-111	2025-04-16	643.80	635.59	8.21
MW-112	2025-04-16	638.93	626.36	12.57
MW-101	2025-04-23	474.72	445.28	29.44
MW-105	2025-04-04	521.23	502.76	18.47

Table A-2
Groundwater – Synoptic Static Water Levels – Second Measurement

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-59	2025-07-15	457.13	331.61	125.52
MW-66	2025-07-14	531.28	291.58	239.70
MW-81	2025-07-14	493.66	308.51	185.15
MW-83	2025-07-15	496.81	351.19	145.62
MW-84	2025-07-14	530.80	293.59	237.21
MW-94	2025-07-15	495.51	351.89	143.62
MW-113	2025-07-14	531.09	341.49	189.60
MW-114	2025-07-14	490.25	349.45	140.80
MW-115	2025-07-14	484.87	352.57	132.30
MW-72	2025-07-17	671.87	309.27	362.60
MW-74R	2025-07-10	531.26	290.10	241.16
MW-75	2025-07-11	532.40	285.86	246.54
MW-80	2025-07-28	530.41	290.13	240.28
MW-85	2025-07-14	531.76	285.08	246.68
MW-87	2025-07-10	537.31	288.09	249.22
MW-68	2025-07-28	647.07	312.99	334.08
MW-93	2025-07-15	632.15	321.87	310.28
MW-EB6	2025-07-30	589.61	<561.77	BTOP*
MW-30A	2025-07-28	568.43	540.59	27.84
MW-47	2025-07-29	634.60	613.30	21.30
MW-50	2025-07-21	637.05	605.54	31.51
MW-62	2025-07-16	556.21	502.80	53.41
MW-102	2025-07-17	552.48	505.23	47.25
MW-103	2025-07-29	639.08	620.88	18.20
MW-104	2025-07-21	629.68	602.72	26.96
MW-107	2025-07-17	589.03	558.84	30.19
MW-108	2025-07-21	612.26	592.32	19.94
MW-109	2025-07-22	638.73	625.82	12.91
MW-110	2025-07-21	641.74	630.52	11.22
MW-111	2025-07-29	643.80	<629.30	BTOP*
MW-112	2025-07-22	638.93	623.64	15.29
MW-101	2025-07-16	474.72	435.88	38.84
MW-105	2025-07-17	521.23	499.99	21.24

*BTOP = depth to water is below top of pump

Table A-2
Groundwater – Synoptic Static Water Levels – Second Measurement

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-21	2025-10-02	420.66	294.05	126.61
MW-24	2025-10-15	475.99	327.82	148.17
MW-54	2025-10-14	580.43	299.98	280.45
MW-56	2025-10-15	480.33	349.76	130.57
MW-59	2025-10-15	457.13	330.06	127.07
MW-60	2025-10-15	567.15	336.38	230.77
MW-64	2025-10-15	596.55	329.05	267.50
MW-65	2025-10-15	545.83	333.69	212.14
MW-66	2025-10-16	531.28	290.72	240.56
MW-73	2025-10-02	485.70	292.70	193.00
MW-76	2025-10-08	491.71	348.88	142.83
MW-81	2025-10-06	493.66	308.33	185.33
MW-82	2025-10-08	474.85	347.76	127.09
MW-83	2025-10-09	496.81	350.28	146.53
MW-84	2025-10-16	530.80	292.87	237.93
MW-94	2025-10-09	495.51	350.16	145.35
MW-113	2025-10-08	531.09	341.30	189.79
MW-114	2025-10-08	490.25	348.30	141.95
MW-115	2025-10-08	484.87	350.58	134.29
MW-67	2025-10-06	516.43	294.37	222.06
MW-72	2025-10-06	671.87	308.78	363.09
MW-74R	2025-10-16	531.26	289.81	241.45
MW-75	2025-10-16	532.40	285.47	246.93
MW-80	2025-10-22	530.41	290.27	240.14
MW-86	2025-10-06	536.04	284.88	251.16
MW-87	2025-10-16	537.31	287.76	249.55
MW-88	2025-10-02	513.68	284.97	228.71
MW-89	2025-10-02	512.82	279.36	233.46
MW-68	2025-10-21	647.07	313.19	333.88
MW-93	2025-10-06	632.15	321.49	310.66
MW-95	2025-10-08	571.54	319.03	252.51
MW-EB6	2025-10-22	589.61	558.67	30.94
MW-30A	2025-10-27	568.43	538.07	30.36
MW-47	2025-10-27	634.60	611.32	23.28
MW-47	2025-10-29	634.60	611.43	23.17
MW-50	2025-10-22	627.05	592.90	34.15
MW-62	2025-10-22	556.21	501.33	54.88
MW-102	2025-10-22	552.48	501.15	51.33
MW-103	2025-10-21	639.08	614.78	24.30
MW-104	2025-10-21	629.68	600.01	29.67
MW-107	2025-10-22	589.03	559.29	29.74
MW-108	2025-10-22	612.26	<592.16	DRY
MW-109	2025-10-22	638.73	<623.53	DRY
MW-110	2025-10-20	641.74	626.84	14.90
MW-111	2025-10-20	643.80	<629.30	BTOP*
MW-112	2025-10-21	638.93	621.92	17.01
MW-101	2025-10-27	474.72	441.46	33.26
MW-105	2025-10-02	521.23	498.67	22.56

Table A-3
Groundwater – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	mV	pH units	µmhos/cm	deg C	NTU
MW-59	2025-01-07	W59-250107-	0.76	-2.5	6.88	224.8	9.693	0.66
MW-66	2025-01-08	W66-250108-	6.7	217.9	6.81	189.8	9.939	0.41
MW-81	2025-01-14	W81-250114-	5.95	351	7.19	155.8	9.605	0.65
MW-83	2025-01-13	W83-250113-	3.25	278.4	6.41	464.9	10.6	0.31
MW-84	2025-01-08	W84-250108-	0.76	290.7	6.88	191.4	9.692	0.22
MW-94	2025-01-13	W94-250113-	4.01	168.1	6.47	258.8	8.7	0.24
MW-113	2025-01-08	W113250108-	0.57	-62.8	7.34	392.2	10.537	0.35
MW-114	2025-01-14	W114250114-	3.39	192.4	6.76	329.8	9.018	0.4
MW-115	2025-01-07	W115250107-	3.79	339.9	6.64	287.8	9.772	0.33
MW-72	2025-01-13	W72-250113-	0.57	-42.2	6.92	300.6	10.24	22.5
MW-74R	2025-01-13	W74R250113-	3.94	281.2	6.91	495	9.924	0.33
MW-75	2025-01-18	W75-250108-	0.42	-50.5	6.81	374.8	9.658	0.43
MW-80	2025-01-21	W80-250121-	0.79	30.9	7.15	309.8	9.861	1.55
MW-85	2025-01-14	W85-250114-	3.14	348	7.06	348.3	9.36	0.2
MW-87	2025-01-13	W87-250113-	0.96	29.8	6.81	494.3	10.18	6.9
MW-68	2025-01-21	W68-250121-	0.73	108.8	7.16	231.9	10.047	30.5
MW-EB6	2025-01-21	WEB6250121-	4.87	155.7	6.13	112.7	9.8	10.9
MW-30A	2025-01-14	W30A250114-	6.09	381.4	6.33	323	12.159	2.16
MW-47	2025-01-15	W47-250115-	1.4	-32.8	6.65	814	11.6	0.18
MW-62	2025-01-13	W62-250113-	--	--	6.13	109	10.102	2.92
MW-102	2025-01-16	W102250116-	10.49	198.9	6.45	158.1	9.599	10.9
MW-103	2025-03-25	W103250325-	7.77	188.4	7.9	220.8	13.3	3.64
MW-107	2025-01-21	W107250121-	0.22	152.1	5.8	96.5	10.864	5.41
MW-108	2025-01-16	W108250116-	9.14	217.4	6.58	381.6	10.7	1.29
MW-109	2025-01-15	W109250115-	3.69	-75.3	7.23	2830	10.909	48.2
MW-110	2025-01-16	W110250116-	0.48	208	6.48	639	11.97	0.5
MW-111	2025-01-16	W111250116-	7.39	364.3	5.63	71.9	10.5	3.77
MW-112	2025-01-21	W112250121-	2.17	209.2	7.03	424.3	11.052	0.32
MW-101	2025-01-08	W101250108-	--	--	7.02	439.7	11.265	3.26
MW-105	2025-03-14	W105250314-	--	--	--	214.6	--	--

-- : Not part of sampling program.

Table A-3
Groundwater – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	mV	pH units	µmhos/cm	deg C	NTU
MW-21	2025-04-23	W21-250423-	0.63	-218.4	8.03	147.5	9.418	3.46
MW-24	2025-04-02	W24-250402-	0.81	-67.1	7.1	204.3	9.545	1.13
MW-56	2025-04-02	W56-250402-	--	--	6.52	271	9.887	1.21
MW-59	2025-04-03	W59-250403-	0.82	-24.5	6.78	239.4	9.936	0.57
MW-64	2025-04-14	W64-250414-	0.7	57	6.96	203.3	11.306	4.19
MW-65	2025-04-03	W65-250403-	0.68	-4.7	6.7	184.8	9.325	14
MW-66	2025-04-23	W66-250423-	--	--	6.8	198.6	10.058	0.85
MW-73	2025-04-23	W73-250423-	9.58	182.9	6.96	121.5	9.335	1.67
MW-76	2025-04-09	W76-250409-	6.96	195.9	6.5	244.4	9.612	0.25
MW-81	2025-04-10	W81-250410-	6.26	303.7	6.86	164.7	9.877	0.23
MW-82	2025-04-02	W82-250402-	4.78	87	6.78	289.8	9.712	6.78
MW-83	2025-04-02	W83-250402-	0.75	142.6	6.62	699	11.094	1.49
MW-84	2025-04-10	W84-250410-	1.14	272.7	6.64	196.5	9.9	1.66
MW-94	2025-04-02	W94-250402-	1.41	313.3	6.25	303.7	10	0.22
MW-113	2025-04-03	W113250403-	0.73	-82.4	7.3	388.4	10.345	1.3
MW-114	2025-04-03	W114250403-	2.72	104.5	6.91	354.7	10.155	0.96
MW-115	2025-04-09	W115250409-	3.02	186.2	6.62	294.9	10.146	0.25
MW-67	2025-04-14	W67-250414-	4.42	80.8	6.91	348.9	9.62	18.5
MW-72	2025-04-24	W72-250424-	1.34	-62.4	7.05	314.4	10.561	34.3
MW-74R	2025-04-07	W74R250407-	0.92	28.1	6.79	644.6	10.115	0.48
MW-75	2025-04-07	W75-250407-	0.87	-54.6	7.01	392.5	9.697	0.58
MW-80	2025-04-16	W80-250416-	0.55	-6	7.15	316.4	10.072	2.08
MW-85	2025-04-07	W85-250407-	2.66	304.2	6.74	369.3	9.521	0.29
MW-86	2025-04-10	W86-250410-	1.41	-8.6	6.84	190.6	10.007	5.37
MW-87	2025-04-24	W87-250424-	0.93	-44.4	6.79	514	10.894	2.05
MW-88	2025-04-10	W88-250410-	5.04	150.7	7.09	129.4	9.671	0.69
MW-89	2025-04-10	W89-250410-	1.1	-75.7	7.27	258.3	9.77	10.5
MW-100	2025-04-29	W100250429-	1.27	61.2	6.74	278.9	11.252	17
MW-68	2025-04-16	W68-250416-	0.56	45.1	7.16	238	10.365	13
MW-93	2025-04-29	W93-250429-	0.99	158.8	7.11	299.7	11.375	1.52
MW-95	2025-04-09	W95-250409-	1.03	141.7	7.41	245.4	10.149	0.23

Table A-3
Groundwater – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	mV	pH units	µmhos/cm	deg C	NTU
MW-EB6	2025-04-21	WEB6250421-	5.3	92.9	6.61	121.6	9.563	8.81
MW-30A	2025-04-21	W30A250421-	5.82	291	6.44	333.8	12.257	2.19
MW-47	2025-04-17	W47-250417-	0.61	-23.1	6.78	781	11.252	0.64
MW-62	2025-04-23	W62-250423-	--	--	5.87	120.4	10.2	1.6
MW-102	2025-04-21	W102250421-	11.61	351.8	6.39	163	9.515	5.82
MW-103	2025-05-22	W103250522-	2.95	210.6	8	217.2	11.203	3.94
MW-107	2025-04-16	W107250416-	0.44	38.7	6.06	128.7	10.206	5.83
MW-108	2025-04-22	W108250422-	9.21	176.6	6.92	316.8	11.645	2.46
MW-109	2025-04-18	W109250418-	2.4	-88.1	7.35	5238	11.4	17.7
MW-110	2025-04-16	W110250416-	0.53	96.5	6.38	690.9	11.086	0.86
MW-111	2025-04-16	W111250416-	8.03	404.6	5.77	76	11.372	1.19
MW-112	2025-04-16	W112250416-	2.05	155.2	7.06	416.7	10.515	0.76
MW-101	2025-04-23	W101250423-	1.5	55.4	6.98	430.1	10.257	2.38
MW-105	2025-04-04	W105250403-	--	--	5.9	238	11.17	--

-- : Not part of sampling program.

Table A-3
Groundwater – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	mV	pH units	µmhos/cm	deg C	NTU
FIELD BLANK	2025-04-11	W58A250411F	--	--	--	--	--	--
MW-54	2025-04-11	W54-250411-	--	--	--	--	--	--
MW-57	2025-04-11	W57-250411-	0.41	-22.9	6.56	260.7	9.928	0.88
MW-58A	2025-04-11	W58A250411-	--	--	--	--	--	--
MW-60	2025-04-11	W60-250411-	10.77	207.2	6.6	127	9.466	0.39
VOA TRIP BLANK	2025-04-11	VTRP250411Y	--	--	--	--	--	--

Table A-3
Groundwater – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	mV	pH units	µmhos/cm	deg C	NTU
MW-59	2025-07-15	W59-250715-	0.2	-64.3	6.88	240.6	10.212	6.98
MW-66	2025-07-14	W66-250714-	6.49	357.9	6.91	201.4	10.721	0.43
MW-66	2025-07-14	W66-250714D	6.49	357.9	6.91	201.4	10.721	0.43
MW-81	2025-07-14	W81-250714-	5.79	190.6	6.96	158.9	10.496	3.28
MW-83	2025-07-15	W83-250715-	1.13	345.7	6.48	671.2	11.447	0.17
MW-84	2025-07-14	W84-250714-	1.25	321.4	6.74	190.1	10.288	0.31
MW-94	2025-07-15	W94-250715-	3.14	366	6.4	306.8	10.66	0.18
MW-113	2025-07-14	W113250714-	0.39	-82.5	7.27	411.8	11.414	1.16
MW-114	2025-07-14	W114250714-	2.42	213.5	6.78	360.3	10.919	1.99
MW-115	2025-07-14	W115250714-	2.65	121.6	6.57	296.1	10.849	1.1
MW-72	2025-07-17	W72-250717-	1.07	-50.7	6.98	319.8	11.302	45.1
MW-74R	2025-07-10	W74R250710-	1.3	158.5	6.64	671.4	10.703	0.22
MW-75	2025-07-11	W75-250711-	1	1.1	6.85	405.7	10.117	0.3
MW-80	2025-07-28	W80-250728-	0.81	16.3	7.01	333.9	10.55	0.75
MW-85	2025-07-14	W85-250714-	2.96	149.7	6.8	353.9	10.204	0.5
MW-87	2025-07-10	W87-250710-	1	40.6	6.62	527.7	11.06	1.3
MW-68	2025-07-28	W68-250728-	0.9	128.7	6.95	239.4	11.078	18
MW-93	2025-07-15	W93-250715-	0.74	82.5	7.08	305.7	12.293	1.03
MW-30A	2025-07-28	W30A250728-	5.59	239	6.33	354.6	12.523	1.77
MW-30A	2025-07-28	W30A250728D	5.59	239	6.33	354.6	12.523	1.77
MW-47	2025-07-29	W47-250729-	3.86	184.6	6.92	868.2	11.309	0.23
MW-102	2025-07-17	W102250717-	9.57	442.7	6.34	154.7	12.73	6.59
MW-103	2025-07-29	W103250729-	7.66	190.2	7.76	232.1	11.671	3.29
MW-107	2025-07-17	W107250717-	0.72	257.8	5.45	108.6	12.509	0.62
MW-109	2025-07-22	W109250722-	4.12	-90.1	6.92	1432	14	16.1
MW-110	2025-07-21	W110250721-	0.98	216.1	6.42	695.2	13.942	3
MW-112	2025-07-22	W112250722-	1.18	333.8	7.07	392.2	12.823	0.62
MW-112	2025-07-22	W112250722D	1.18	333.8	7.07	392.2	12.823	0.62
MW-101	2025-07-16	W101250716-	--	--	7.06	469.6	13.716	4.17
MW-105	2025-07-17	W105250717-	--	--	--	248.7	--	--

-- : Not part of sampling program.

Table A-3
Groundwater – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	mV	pH units	µmhos/cm	deg C	NTU
MW-21	2025-10-02	W21-251002-	0.4	-190.5	7.64	151.3	10.009	2.21
MW-24	2025-10-15	W24-251015-	0.87	6.4	6.73	226.1	9.558	0.54
MW-56	2025-10-15	W56-251015-	0	64.5	6.69	303.4	10.282	0.75
MW-59	2025-10-15	W59-251015-	0.75	16.4	6.67	242.4	9.935	0.76
MW-60	2025-10-15	W60-251515-	9.8	99.3	6.73	139.6	9.61	0.4
MW-64	2025-10-15	W64-251015-	1.04	-4	7.01	168.6	13.05	4.68
MW-65	2025-10-15	W65-251015-	0.66	-51.1	6.89	189.2	9.726	25.4
MW-66	2025-10-16	W66-251016-	6.64	384.4	6.75	208.5	10.265	0.36
MW-73	2025-10-02	W73-251002-	9.49	83.9	6.75	131.1	9.877	2.6
MW-76	2025-10-08	W76-251008-	7.05	235.3	6.36	238.4	10.093	1.81
MW-81	2025-10-06	W81-251006-	5.77	111.9	7.04	165.7	10.108	0.56
MW-82	2025-10-08	W82-251008-	6.21	341.4	6.44	310.9	10.079	1.75
MW-83	2025-10-09	W83-251009-	1.64	246.6	6.44	655	11.396	0.54
MW-84	2025-10-16	W84-251016-	1.51	374.8	6.58	202.3	10.092	0.21
MW-94	2025-10-09	W94-251009-	5.81	246.7	6.49	293.1	11.212	0.45
MW-113	2025-10-08	W113251008-	0.55	-76.2	7.25	423.7	10.812	0.69
MW-114	2025-10-08	W114251008-	3.98	379.8	6.63	363.7	10.881	0.77
MW-115	2025-10-08	W115251008-	3.96	237.3	6.28	283.9	10.4	0.97
MW-67	2025-10-06	W67-251006-	4.23	17.2	6.94	339.6	9.752	8.76
MW-72	2025-10-06	W72-251006-	0.75	-57.4	6.97	313	10.823	17.2
MW-74R	2025-10-16	W74R251016-	0.76	18.9	6.71	666	10.412	0.46
MW-75	2025-10-16	W75-251016-	0.73	-48	6.95	399.7	10.027	0.52
MW-80	2025-10-22	W80-251022-	0.66	-56.2	6.95	333.9	10.02	2.87
MW-85	2025-10-06	W85-251006-	3.81	367.1	6.7	374.3	9.847	0.16
MW-86	2025-10-06	W86-251006-	1.2	170	6.48	196.6	9.751	3.47
MW-87	2025-10-16	W87-251016-	0.79	-33.4	6.76	523	10.989	0.86
MW-88	2025-10-02	W88-251002-	5.38	327.5	6.73	136.5	9.761	0.22
MW-89	2025-10-02	W89-251002-	1.22	27.2	7.12	278.2	9.895	8.54
MW-68	2025-10-21	W68-251021-	0.62	-8.3	7.06	245.5	10.895	20.7
MW-93	2025-10-06	W93-251006-	0.93	237.4	7.02	299	11.627	0.72
MW-95	2025-10-08	W95-251008-	0.96	79.2	7.36	252.6	10.09	0.62

Table A-3
Groundwater – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	mV	pH units	µmhos/cm	deg C	NTU
MW-30A	2025-10-27	W30A251027-	3.48	319.5	6.17	628.9	12.158	1.26
MW-47	2025-10-27	W47-251027-	1.88	-17.2	6.84	866	11.62	1.13
MW-47	2025-10-29	W47-251029-	1.2	31.6	6.81	866	11.699	0.33
MW-103	2025-10-21	W103251021-	5.52	271.8	7.94	223.9	10.861	4.67
MW-107	2025-10-22	W107251022-	0.54	89.5	5.32	139	11.497	1.05
MW-110	2025-10-20	W110251020-	0.77	18.7	6.36	670	15.134	1.87
MW-101	2025-10-27	W101251027-	7.59	67.1	7.16	459.7	11.3	1.7
MW-105	2025-10-02	W105251002-	--	--	--	240.7	14.3	--
WS-OS-1	2025-10-28	WOS1251028-	7.6	102	6.92	173.6	10.19	0.46
WS-OS-2	2025-10-28	WOS2251028-	221	56.1	7.23	148.8	9.998	2.29
WS-OS-3	2025-10-28	WOS3251028-	3.76	503	8.27	239.5	10.904	1.42
WS-OS-4	2025-10-28	WOS4251028-	7.36	226.7	6.89	161.3	17.463	0.99

-- : Not part of sampling program.

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Chloride	Nitrate	Specific Conductance
			mg/L	mg/L	mg/L	mg/L	mg/L	µmhos/cm
MW-59	2025-01-07	W59-250107-	--	83.2	0.0065 T	13.1	0.01 U	241
MW-66	2025-01-08	W66-250108-	--	83.6	0.002 U	4.04	0.515	208
MW-81	2025-01-14	W81-250114-	--	59.2	0.002 U	5.42	1.48	173
MW-83	2025-01-13	W83-250113-	--	195	0.002 U	39.1	1.31	527
MW-84	2025-01-08	W84-250108-	--	83.6	0.002 U	5.86	0.126	213
MW-94	2025-01-13	W94-250113-	--	109	0.002 U	16.1	0.648	295
MW-113	2025-01-08	W113250108-	--	172	0.0158	29.4	0.01 U	435
MW-114	2025-01-14	W114250114-	--	139	0.002 U	24.5	1.01	373
MW-115	2025-01-07	W115250107-	--	125	0.002 U	15	1.15	320
MW-72	2025-01-13	W72-250113-	--	135	0.0171	9.33	0.01 U	331
MW-74R	2025-01-13	W74R250113-	--	219	0.0029 T	28.7	0.535	549
MW-75	2025-01-18	W75-250108-	--	124	0.0104	15.4	0.01 U	412
MW-80	2025-01-21	W80-250121-	132	132	0.0101	5.19	0.01 U	338
MW-85	2025-01-14	W85-250114-	--	165	0.002 U	8.38	0.0964	388
MW-87	2025-01-13	W87-250113-	--	133	0.0168	19.1	0.027 T	542
MW-68	2025-01-21	W68-250121-	116	116	0.0175	3.75	0.01 U	259
MW-EB6	2025-01-21	WEB6250121-	58.5	58.5	0.0039 T	0.671	0.547	130
MW-30A	2025-01-14	W30A250114-	158	158	0.002 U	6.93	3.22	367
MW-47	2025-01-15	W47-250115-	481	481	0.0388	8.5	0.01 U	904
MW-62	2025-01-13	W62-250113-	--	45.1	0.002 U	1.79	0.766	122
MW-102	2025-01-16	W102250116-	66.1	66.1	0.002 U	5.55	1.19	172
MW-103	2025-03-25	W103250325-	114	114	0.002 U	3.88	0.027 T	251
MW-107	2025-01-21	W107250121-	46.9	46.9	0.358	0.627	0.011 T	106
MW-108	2025-01-16	W108250116-	115	115	0.002 U	1.1	0.638	347
MW-109	2025-01-15	W109250115-	2510	2510	1.18	2.4 T	0.1 U	4130
MW-110	2025-01-16	W110250116-	399	399	0.0079 T	2.1	0.01 U	718
MW-111	2025-01-16	W111250116-	25	25	0.002 U	0.815	1.44	82.6
MW-112	2025-01-21	W112250121-	174	174	0.0041 T	16.5	0.167	469
MW-101	2025-01-08	W101250108-	--	241	0.015	4.04	0.01 U	452

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
			mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-01-07	W59-250107-	15.3	143	0.82 T	151	4.1
MW-66	2025-01-08	W66-250108-	13.4	128	0.5 U	128	0.5 U
MW-81	2025-01-14	W81-250114-	12	111	0.5 U	114	0.5 U
MW-83	2025-01-13	W83-250113-	10.4	304	3.13	324	0.5 U
MW-84	2025-01-08	W84-250108-	16.1	127	0.5 U	131	0.5 U
MW-94	2025-01-13	W94-250113-	10.1	175	2.76	182	0.5 U
MW-113	2025-01-08	W113250108-	10.8	245	1.5 T	261	2.3
MW-114	2025-01-14	W114250114-	8.59	231	1.3 T	235	0.6 T
MW-115	2025-01-07	W115250107-	8.7	197	1.7 T	197	0.5 U
MW-72	2025-01-13	W72-250113-	20.8	189	0.56 T	211	12.8
MW-74R	2025-01-13	W74R250113-	26.9	309	0.71 T	323	0.5 U
MW-75	2025-01-18	W75-250108-	59.8	257	0.5 U	273	3.4 T
MW-80	2025-01-21	W80-250121-	35.4	203	0.64 T	211	3.4
MW-85	2025-01-14	W85-250114-	32	223	0.5 U	231	0.5 U
MW-87	2025-01-13	W87-250113-	110	368	0.5 U	385	5.2
MW-68	2025-01-21	W68-250121-	13.1	149	0.93 T	159	10.4
MW-EB6	2025-01-21	WEB6250121-	4.68	91.3	1 T	109	27
MW-30A	2025-01-14	W30A250114-	10.7	227	0.84 T	233	0.7 T
MW-47	2025-01-15	W47-250115-	18.3	523	6.55	556	2.8 T
MW-62	2025-01-13	W62-250113-	8.08	84	1.1 T	91.3	0.5 U
MW-102	2025-01-16	W102250116-	7.21	115	0.94 T	121	4.7
MW-103	2025-03-25	W103250325-	7.61	151	0.94 T	166	2 T
MW-107	2025-01-21	W107250121-	5.21	78.7	6.36	86.7	8.2
MW-108	2025-01-16	W108250116-	45.5	215	1.2 T	213	0.7 T
MW-109	2025-01-15	W109250115-	2.9 T	2330	281	2290	25.8
MW-110	2025-01-16	W110250116-	2.63	423	5.66	425	0.7 T
MW-111	2025-01-16	W111250116-	6.04	76.7	0.97 T	74.7	0.5 U
MW-112	2025-01-21	W112250121-	49.4	291	1.2 T	290	0.5 U
MW-101	2025-01-08	W101250108-	2.19	288	3.91	293	4.3

-- : Not part of sampling program.

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Chloride	Nitrate	Specific Conductance
			mg/L	mg/L	mg/L	mg/L	mg/L	µmhos/cm
MW-21	2025-04-23	W21-250423-	--	66	0.0476	2.26	0.01 U	152
MW-24	2025-04-02	W24-250402-	--	72.9	0.0378	10.5	0.01 U	217
MW-56	2025-04-02	W56-250402-	--	88.8	0.0027 T	30.9	0.324	311
MW-59	2025-04-03	W59-250403-	--	81.4	0.0068 T	13.6	0.01 U	247
MW-64	2025-04-14	W64-250414-	--	93.7	0.0678	3.09	0.01 U	221
MW-65	2025-04-03	W65-250403-	--	61.3	0.0098 T	11.2	0.01 U	185
MW-66	2025-04-23	W66-250423-	--	83.9	0.002 U	4.14	0.526	211
MW-73	2025-04-23	W73-250423-	--	49.7	0.002 U	2.52	1.2	132
MW-76	2025-04-09	W76-250409-	--	83.3	0.002 U	13	1.19	262
MW-81	2025-04-10	W81-250410-	--	58.2	0.002 U	5.63	1.58	173
MW-82	2025-04-02	W82-250402-	--	117	0.0024 T	11.9	1.09	320
MW-83	2025-04-02	W83-250402-	--	276	0.0023 T	66.2	0.65	774
MW-84	2025-04-10	W84-250410-	--	80.8	0.002 U	3.87	0.11	211
MW-94	2025-04-02	W94-250402-	--	113	0.002 U	21.3	0.739	326
MW-113	2025-04-03	W113250403-	--	161	0.0173	27.1	0.01 U	424
MW-114	2025-04-03	W114250403-	--	139	0.002 U	24.7	1.11	388
MW-115	2025-04-09	W115250409-	--	120	0.002 U	17	1.38	316
MW-67	2025-04-14	W67-250414-	--	156	0.0108	5.01	0.173	377
MW-72	2025-04-24	W72-250424-	--	134	0.0198	9.93	0.01 U	333
MW-74R	2025-04-07	W74R250407-	--	233	0.0026 T	39.3	0.554	619
MW-75	2025-04-07	W75-250407-	--	122	0.0098 T	15.9	0.01 U	430
MW-80	2025-04-16	W80-250416-	130	130	0.0106	5.18	0.01 U	343
MW-85	2025-04-07	W85-250407-	--	160	0.002 U	8.33	0.0955	402
MW-86	2025-04-10	W86-250410-	--	73.4	0.002 U	3.84	0.01 U	204
MW-87	2025-04-24	W87-250424-	--	133	0.0201	20.3	0.01 U	547
MW-88	2025-04-10	W88-250410-	--	55.1	0.002 U	2.14	0.999	140
MW-89	2025-04-10	W89-250410-	--	92.9	0.0232	10.9	0.01 U	271
MW-100	2025-04-29	W100250429-	--	131	0.0083 T	3.26	0.01 U	295
MW-68	2025-04-16	W68-250416-	115	115	0.0192	3.66	0.01 U	263
MW-93	2025-04-29	W93-250429-	--	126	0.0745	2.71	0.01 U	326
MW-95	2025-04-09	W95-250409-	--	99.7	0.0256	11.7	0.01 U	261

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Chloride	Nitrate	Specific Conductance
			mg/L	mg/L	mg/L	mg/L	mg/L	µmhos/cm
MW-EB6	2025-04-21	WEB6250421-	58	58	0.0052 T	0.709	0.54	130
MW-30A	2025-04-21	W30A250421-	159	159	0.002 U	8.09	3.63	375
MW-47	2025-04-17	W47-250417-	453	453	0.0571	7.57	0.014 T	867
MW-62	2025-04-23	W62-250423-	--	47.3	0.002 U	2.03	1.06	130
MW-102	2025-04-21	W102250421-	63.2	63.2	0.002 U	5.45	1.05	167
MW-103	2025-05-22	W103250522-	111	111	0.002 U	3.68	0.02 T	244
MW-107	2025-04-16	W107250416-	56.7	56.7	0.79	0.617	0.011 T	136
MW-108	2025-04-22	W108250422-	113	113	0.0024 T	1.03	0.659	336
MW-109	2025-04-18	W109250418-	1170	1170	1.43	2.7 T	0.1 U	3960
MW-110	2025-04-16	W110250416-	397	397	0.0278	2.05	0.01 U	756
MW-111	2025-04-16	W111250416-	23.9	23.9	0.002 U	0.767	1.43	84.9
MW-112	2025-04-16	W112250416-	164	164	0.0039 T	16.2	0.186	479
MW-101	2025-04-23	W101250423-	--	251	0.0193	3.23	0.01 U	479

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
			mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-04-23	W21-250423-	7.01	92	0.5 U	94.7	1.4 T
MW-24	2025-04-02	W24-250402-	14	131	0.71 T	127	2.9
MW-56	2025-04-02	W56-250402-	10.4	181	1.9 T	185	0.5 U
MW-59	2025-04-03	W59-250403-	16.2	147	0.65 T	143	4
MW-64	2025-04-14	W64-250414-	10.6	120	0.5 U	125	0.5 U
MW-65	2025-04-03	W65-250403-	9.27	107	0.7 T	118	12
MW-66	2025-04-23	W66-250423-	14	120	0.5 U	122	0.5 U
MW-73	2025-04-23	W73-250423-	6.92	90.7	0.5 U	87.3	3
MW-76	2025-04-09	W76-250409-	21.4	157	3.82	162	0.5 U
MW-81	2025-04-10	W81-250410-	12.5	108	0.5 U	107	0.5 U
MW-82	2025-04-02	W82-250402-	16.6	200	1.3 T	196	6.8
MW-83	2025-04-02	W83-250402-	15.1	436 J	8.29	464	0.5 U
MW-84	2025-04-10	W84-250410-	16.8	120	0.5 U	124	0.5 U
MW-94	2025-04-02	W94-250402-	10.5	197	3.3	191	0.5 U
MW-113	2025-04-03	W113250403-	11.3	238	2.14	235	2.2
MW-114	2025-04-03	W114250403-	8.8	231	1.6 T	231	0.51 U
MW-115	2025-04-09	W115250409-	8.95	182	1.9 T	189	0.5 U
MW-67	2025-04-14	W67-250414-	25.6	210	0.77 T	221	6.1
MW-72	2025-04-24	W72-250424-	22.3	190	0.5 U	212	18.8
MW-74R	2025-04-07	W74R250407-	37.7	351	1.2 T	369	0.5 U
MW-75	2025-04-07	W75-250407-	62.2	257	0.68 T	270	1.7 T
MW-80	2025-04-16	W80-250416-	36.3	201	1 T	213	5
MW-85	2025-04-07	W85-250407-	33.2	225	0.5 U	229	0.5 U
MW-86	2025-04-10	W86-250410-	21.7	115	0.8 T	122	2.6 T
MW-87	2025-04-24	W87-250424-	119	366	0.5 U	381	4.6
MW-88	2025-04-10	W88-250410-	7.33	88.7	0.53 T	86.7	0.5 U
MW-89	2025-04-10	W89-250410-	27.4	155	0.52 T	171	5.2
MW-100	2025-04-29	W100250429-	19.5	169	0.5 U	173	5.6
MW-68	2025-04-16	W68-250416-	13.1	148	1.4 T	151	4.2
MW-93	2025-04-29	W93-250429-	41.1	201	0.5 U	211	0.5 U
MW-95	2025-04-09	W95-250409-	15.1	145	0.97 T	155	0.5 U

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
			mg/L	mg/L	mg/L	mg/L	mg/L
MW-EB6	2025-04-21	WEB6250421-	4.43	90	0.5 U	106	13.9
MW-30A	2025-04-21	W30A250421-	12.1	222	0.87 T	232	0.9 T
MW-47	2025-04-17	W47-250417-	15.7	491	6.82	507	4.2
MW-62	2025-04-23	W62-250423-	8.43	88	1.1 T	88	0.5 U
MW-102	2025-04-21	W102250421-	7.48	111	0.5 U	121	1.8 T
MW-103	2025-05-22	W103250522-	8.28	153	0.87 T	161	5.4
MW-107	2025-04-16	W107250416-	5.05	88.7	5.48	94	9.6
MW-108	2025-04-22	W108250422-	40.7	181	0.5 U	189	0.5 U
MW-109	2025-04-18	W109250418-	3.8 T	3220	235 S	3350	5.86
MW-110	2025-04-16	W110250416-	2.4 T	420	6.6	433	1.2 T
MW-111	2025-04-16	W111250416-	5.57	68.7	1 T	66	0.5 U
MW-112	2025-04-16	W112250416-	47.4	279	1.2 T	277	0.5 U
MW-101	2025-04-23	W101250423-	3.58	273	3.42	280	3.6

-- : Not part of sampling program.

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Chloride	Nitrate	Specific Conductance
			mg/L	mg/L	mg/L	mg/L	mg/L	µmhos/cm
MW-59	2025-07-15	W59-250715-	--	86.6	0.0065 T	13.7	0.01 U	253
MW-66	2025-07-14	W66-250714-	--	85.4	0.002 U	4.13	0.52	220
MW-66	2025-07-14	W66-250714D	--	86.3	0.002 U	4.19	0.521	220
MW-81	2025-07-14	W81-250714-	--	58.3	0.0075 T	5.6	1.52	175
MW-83	2025-07-15	W83-250715-	--	270	0.0037 T	57.6	0.487	717
MW-84	2025-07-14	W84-250714-	--	78.6	0.0025 T	3.38	0.106	206
MW-94	2025-07-15	W94-250715-	--	122	0.002 U	15.7	1.36	330
MW-113	2025-07-14	W113250714-	--	172	0.0164	28.2	0.01 U	455
MW-114	2025-07-14	W114250714-	--	145	0.002 U	22.9	0.972	388
MW-115	2025-07-14	W115250714-	--	118	0.0044 T	16.4	1.35	325
MW-72	2025-07-17	W72-250717-	--	138	0.0171	10	0.01 U	333
MW-74R	2025-07-10	W74R250710-	--	234	0.0033 T	35	0.546	607
MW-75	2025-07-11	W75-250711-	--	128	0.0094 T	16.7	0.01 U	430
MW-80	2025-07-28	W80-250728-	134	134	0.0102	5.26	0.011 T	346
MW-85	2025-07-14	W85-250714-	--	160	0.002 U	8.99	0.0967	397
MW-87	2025-07-10	W87-250710-	--	132	0.016	19.2	0.018 T	553
MW-68	2025-07-28	W68-250728-	116	116	0.0165	3.81	0.01 T	261
MW-93	2025-07-15	W93-250715-	--	123	0.059	2.65	0.01 U	329
MW-30A	2025-07-28	W30A250728-	132	132	0.002 U	11.6	3.75	409
MW-30A	2025-07-28	W30A250728D	172	172	0.002 U	11.5	3.75	412
MW-47	2025-07-29	W47-250729-	486	486	0.0204	8.67	0.011 T	903
MW-102	2025-07-17	W102250717-	65.1	65.1	0.002 U	5.07	0.975	164
MW-103	2025-07-29	W103250729-	112	112	0.002 U	3.71	0.038 T	241
MW-107	2025-07-17	W107250717-	47	47	0.241	1.46	0.01 U	111
MW-109	2025-07-22	W109250722-	366	366	0.832	1.3 T	0.01 U	675
MW-110	2025-07-21	W110250721-	399	399	0.0355 H	1.98	0.01 HU	719
MW-112	2025-07-22	W112250722-	169	169	0.0043 T	11.3	0.01 U	421
MW-112	2025-07-22	W112250722D	170	170	0.0031 T	11.4	0.01 U	421
MW-101	2025-07-16	W101250716-	--	254	0.0202	3.84	0.01 U	471

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
			mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-07-15	W59-250715-	17.2	143	0.68 T	161	3
MW-66	2025-07-14	W66-250714-	14.1	128	0.88 T	125	0.5 T
MW-66	2025-07-14	W66-250714D	14.2	124	0.51 T	128	0.5 U
MW-81	2025-07-14	W81-250714-	12.1	109	0.58 T	121	4.7
MW-83	2025-07-15	W83-250715-	12.6	415	7.71	464	0.5 U
MW-84	2025-07-14	W84-250714-	15.7	123	0.9 T	126	0.5 U
MW-94	2025-07-15	W94-250715-	12.1	195	3.55	202	0.5 U
MW-113	2025-07-14	W113250714-	11.1	247	2.25	274	2.2
MW-114	2025-07-14	W114250714-	8.51	224	1.7 T	239	0.5 U
MW-115	2025-07-14	W115250714-	9.77	189	2.01	198	0.5 U
MW-72	2025-07-17	W72-250717-	22	199	1 T	230	32.4
MW-74R	2025-07-10	W74R250710-	32.6	353	1.7 T	379	0.5 T
MW-75	2025-07-11	W75-250711-	62.1	271	0.65 T	280	4.1
MW-80	2025-07-28	W80-250728-	37.5	210	0.5 U	225	2.2 T
MW-85	2025-07-14	W85-250714-	33.1	225	1.1 T	232	0.5 U
MW-87	2025-07-10	W87-250710-	114	369	0.81 T	391	4.6
MW-68	2025-07-28	W68-250728-	12.9	156	0.5 U	188	5.8
MW-93	2025-07-15	W93-250715-	37.9	200	0.6 T	205	0.5 U
MW-30A	2025-07-28	W30A250728-	14.2	257	0.91 T	273	0.5 U
MW-30A	2025-07-28	W30A250728D	14	256	1 T	268	0.5 U
MW-47	2025-07-29	W47-250729-	21.4	552	4.22	567	1.6 T
MW-102	2025-07-17	W102250717-	5.96	117	0.87 T	125	3.6
MW-103	2025-07-29	W103250729-	7.03	153	0.52 T	162	0.9 T
MW-107	2025-07-17	W107250717-	4.05	88	5.98	88.5	0.6 T
MW-109	2025-07-22	W109250722-	0.85 T	476	17.9	526	33
MW-110	2025-07-21	W110250721-	2.16	429	5.84	450	3 T
MW-112	2025-07-22	W112250722-	35.8	259	0.71 T	263	0.5 GU
MW-112	2025-07-22	W112250722D	35.1	261	0.66 T	258	0.5 GU
MW-101	2025-07-16	W101250716-	2.82	276	4.44	290	4.9

-- : Not part of sampling program.

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Chloride	Coliforms, Fecal	Coliforms, Total
			mg/L	mg/L	mg/L	mg/L	cfu/100ml	cfu/100ml
MW-21	2025-10-02	W21-251002-	--	66.3	0.0756	2.52	--	--
MW-24	2025-10-15	W24-251015-	--	80.8	0.0547	12.2	--	--
MW-56	2025-10-15	W56-251015-	--	92.9	0.0058 T	32.3	--	--
MW-59	2025-10-15	W59-251015-	--	85.1	0.0087 T	13.4	--	--
MW-60	2025-10-15	W60-251015-	--	59.7	0.002 U	4.12	--	--
MW-64	2025-10-15	W64-251015-	--	76.1	0.0802	3.39	--	--
MW-65	2025-10-15	W65-251015-	--	64.3	0.0064 T	12.5	--	--
MW-66	2025-10-16	W66-251016-	--	87.8	0.002 U	4.25	--	--
MW-73	2025-10-02	W73-251002-	--	51.2	0.0039 T	2.99	--	--
MW-76	2025-10-08	W76-251008-	--	83.7	0.002 U	12.7	--	--
MW-81	2025-10-06	W81-251006-	--	58.6	0.002 U	5.58	--	--
MW-82	2025-10-08	W82-251008-	--	130	0.0022 T	10.6	--	--
MW-83	2025-10-09	W83-251009-	--	269	0.0023 T	60.1	--	--
MW-84	2025-10-16	W84-251016-	--	83.8	0.002 U	4.28	--	--
MW-94	2025-10-09	W94-251009-	--	119	0.002 T	17.5	--	--
MW-113	2025-10-08	W113251008-	--	179	0.0243	28.9	--	--
MW-114	2025-10-08	W114251008-	--	148	0.0329	18.3	--	--
MW-115	2025-10-08	W115251008-	--	121	0.002 U	14	--	--
MW-67	2025-10-06	W67-251006-	--	146	0.0135	4.94	--	--
MW-72	2025-10-06	W72-251006-	--	136	0.0263	10.2	--	--
MW-74R	2025-10-16	W74R251016-	--	274	0.0172	43.3	--	--
MW-75	2025-10-16	W75-251016-	--	127	0.0166	16.5	--	--
MW-80	2025-10-22	W80-251022-	133	133	0.0213	5.17	--	--
MW-85	2025-10-06	W85-251006-	--	161	0.002 U	8.19	--	--
MW-86	2025-10-06	W86-251006-	--	74.1	0.0021 T	3.85	--	--
MW-87	2025-10-16	W87-251016-	--	135	0.0272	19.8	--	--
MW-88	2025-10-02	W88-251002-	--	55.5	0.0022 T	2.09	--	--
MW-89	2025-10-02	W89-251002-	--	94.4	0.0314	10.9	--	--
MW-68	2025-10-21	W68-251021-	115	115	0.0284	3.85	--	--
MW-93	2025-10-06	W93-251006-	--	123	0.0795	2.73	--	--
MW-95	2025-10-08	W95-251008-	--	91	0.0342	11.8	--	--

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Chloride	Coliforms, Fecal	Coliforms, Total
			mg/L	mg/L	mg/L	mg/L	cfu/100ml	cfu/100ml
MW-30A	2025-10-27	W30A251027-	--	246	0.0029 T	55.1	--	--
MW-47	2025-10-27	W47-251027-	--	488	0.0283	7.81	--	--
MW-103	2025-10-21	W103251021-	106	106	0.002 U	3.45	--	--
MW-107	2025-10-22	W107251022-	61.8	61.8	0.248	2.54	--	--
MW-110	2025-10-20	W110251020-	384 H	384 H	0.0187	1.94	--	--
MW-101	2025-10-27	W101251027-	--	265	0.0286	3.52	--	--
WS-OS-1	2025-10-28	WOS1251028-	--	74.1	0.0073 T	5.79	1 U	1 U
WS-OS-2	2025-10-28	WOS2251028-	--	71.8	0.0144	2.61	1 U	1 U
WS-OS-3	2025-10-28	WOS3251028-	--	104	0.0021 T	9.47	1 U	1 U
WS-OS-4	2025-10-28	WOS4251028-	--	67.7	0.0054 T	2.84	1 U	350

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Cyanide	Nitrate	Specific Conductance	Sulfate	Sulfide	Total Dissolved Solids
			mg/L	mg/L	µmhos/cm	mg/L	mg/L	mg/L
MW-21	2025-10-02	W21-251002-	--	0.01 U	143	5.65	--	92
MW-24	2025-10-15	W24-251015-	--	0.01 U	181	14	--	132
MW-56	2025-10-15	W56-251015-	--	1.42	291	9.6	--	175
MW-59	2025-10-15	W59-251015-	--	0.015 T	200	16.4	--	141
MW-60	2025-10-15	W60-251015-	--	1.11	133	5.56	--	101
MW-64	2025-10-15	W64-251015-	--	0.01 U	158	9.44	--	104
MW-65	2025-10-15	W65-251015-	--	0.01 U	170	9.25	--	108
MW-66	2025-10-16	W66-251016-	--	0.518	207	14.7	--	130
MW-73	2025-10-02	W73-251002-	--	1.15	130	6.93	--	88
MW-76	2025-10-08	W76-251008-	--	1.01	260	21.3	--	157
MW-81	2025-10-06	W81-251006-	--	1.54	169	11.8	--	113
MW-82	2025-10-08	W82-251008-	--	0.86	323	18.5	--	191
MW-83	2025-10-09	W83-251009-	--	0.873	698	13	--	419
MW-84	2025-10-16	W84-251016-	--	0.168	199	16.7	--	119
MW-94	2025-10-09	W94-251009-	--	1.39	315	10.9	--	211
MW-113	2025-10-08	W113251008-	--	0.01 U	434	11.3	--	243
MW-114	2025-10-08	W114251008-	--	0.915	366	8.51	--	213
MW-115	2025-10-08	W115251008-	--	1.23	308	9.73	--	187
MW-67	2025-10-06	W67-251006-	--	0.212	336	27.5	--	204
MW-72	2025-10-06	W72-251006-	--	0.01 U	327	21.8	--	191
MW-74R	2025-10-16	W74R251016-	--	0.112	613	41.5	--	399
MW-75	2025-10-16	W75-251016-	--	0.01 U	391	62.6	--	254
MW-80	2025-10-22	W80-251022-	--	0.01 U	347	38.3	--	210
MW-85	2025-10-06	W85-251006-	--	0.106	377	33.1	--	223
MW-86	2025-10-06	W86-251006-	--	0.01 U	199	21.7	--	121
MW-87	2025-10-16	W87-251016-	--	0.012 T	507	113	--	365
MW-88	2025-10-02	W88-251002-	--	1.12	133	6.76	--	89.3
MW-89	2025-10-02	W89-251002-	--	0.01 U	262	27.2	--	175
MW-68	2025-10-21	W68-251021-	--	0.01 U	257	12.9	--	147
MW-93	2025-10-06	W93-251006-	--	0.01 U	316	39.5	--	205
MW-95	2025-10-08	W95-251008-	--	0.01 U	264	14.8	--	154

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Cyanide	Nitrate	Specific Conductance	Sulfate	Sulfide	Total Dissolved Solids
			mg/L	mg/L	µmhos/cm	mg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	0.002 U	0.707	723	37.9	0.01 U	437
MW-47	2025-10-27	W47-251027-	0.002 U	0.01 U	900	17.9	0.01 U	540
MW-103	2025-10-21	W103251021-	--	0.015 T	232	9.86	--	146
MW-107	2025-10-22	W107251022-	--	0.01 U	145	4.82	--	101
MW-110	2025-10-20	W110251020-	--	0.01 U	685	1.35	--	415
MW-101	2025-10-27	W101251027-	0.002 U	0.01 U	496	3.3	0.01 U	289
WS-OS-1	2025-10-28	WOS1251028-	--	1.8	194	6.72	--	121
WS-OS-2	2025-10-28	WOS2251028-	--	0.106	167	7.96	--	107
WS-OS-3	2025-10-28	WOS3251028-	--	0.01 U	265	4.18	--	162
WS-OS-4	2025-10-28	WOS4251028-	--	0.757	173	11.4	--	105

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Total Organic Carbon	Total Solids	Total Suspended Solids
			mg/L	mg/L	mg/L
MW-21	2025-10-02	W21-251002-	0.5 U	90.7	1 U
MW-24	2025-10-15	W24-251015-	0.5 U	145	3.6
MW-56	2025-10-15	W56-251015-	1.9 T	203	0.5 U
MW-59	2025-10-15	W59-251015-	0.55 T	154	3.6 T
MW-60	2025-10-15	W60-251015-	0.5 U	105	0.5 U
MW-64	2025-10-15	W64-251015-	1.3 T	111	5.3
MW-65	2025-10-15	W65-251015-	0.93 T	133	16.2
MW-66	2025-10-16	W66-251016-	0.5 U	135	0.5 U
MW-73	2025-10-02	W73-251002-	0.5 U	96	4.5
MW-76	2025-10-08	W76-251008-	2.32	165	2.2
MW-81	2025-10-06	W81-251006-	0.5 U	113	0.5 U
MW-82	2025-10-08	W82-251008-	0.73 T	201	1.8 T
MW-83	2025-10-09	W83-251009-	7.5	447	0.5 U
MW-84	2025-10-16	W84-251016-	0.5 U	130	0.5 U
MW-94	2025-10-09	W94-251009-	2.88	211	0.5 U
MW-113	2025-10-08	W113251008-	1.8 T	272	1.7 T
MW-114	2025-10-08	W114251008-	1.5 T	221	0.51 U
MW-115	2025-10-08	W115251008-	1.2 T	194	0.5 U
MW-67	2025-10-06	W67-251006-	0.73 T	207	5.13
MW-72	2025-10-06	W72-251006-	0.81 T	212	11.2
MW-74R	2025-10-16	W74R251016-	2.32	429	0.9 T
MW-75	2025-10-16	W75-251016-	1.1 T	275	4.8
MW-80	2025-10-22	W80-251022-	0.51 T	220	4
MW-85	2025-10-06	W85-251006-	0.55 T	233	0.5 U
MW-86	2025-10-06	W86-251006-	0.5 U	125	1.5 T
MW-87	2025-10-16	W87-251016-	1.1 T	385	4.7
MW-88	2025-10-02	W88-251002-	0.5 U	90.7	0.5 U
MW-89	2025-10-02	W89-251002-	0.5 U	177	3.3
MW-68	2025-10-21	W68-251021-	0.6 T	157	8.2
MW-93	2025-10-06	W93-251006-	0.68 T	209	0.5 U
MW-95	2025-10-08	W95-251008-	0.61 T	165	0.5 U

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Total Organic Carbon	Total Solids	Total Suspended Solids
			mg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	3.12	469	1.3 T
MW-47	2025-10-27	W47-251027-	5.04	558	1.2 T
MW-103	2025-10-21	W103251021-	0.67 T	155	4.1
MW-107	2025-10-22	W107251022-	7.34	108	0.5 T
MW-110	2025-10-20	W110251020-	6.67	432	5.9
MW-101	2025-10-27	W101251027-	4.25	299	0.51 U
WS-OS-1	2025-10-28	WOS1251028-	0.5 U	125	0.5 U
WS-OS-2	2025-10-28	WOS2251028-	0.5 U	106	5.1
WS-OS-3	2025-10-28	WOS3251028-	0.58 T	165	1 U
WS-OS-4	2025-10-28	WOS4251028-	0.5 U	107	0.5 U

-- : Not part of sampling program.

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
MW-59	2025-01-07	W59-250107-	0.0003 U	0.0003 U	0.4	0.395	0.0052	0.00494
MW-66	2025-01-08	W66-250108-	0.0003 U	0.0003 U	0.721	0.697	0.00401	0.00383
MW-81	2025-01-14	W81-250114-	0.0003 U	0.0003 U	0.516	0.506	0.00343	0.00308
MW-83	2025-01-13	W83-250113-	0.0003 U	0.0003 U	0.335	0.328	0.00961	0.00887
MW-84	2025-01-08	W84-250108-	0.0003 U	0.0003 U	0.349	0.333	0.00558	0.00507
MW-94	2025-01-13	W94-250113-	0.0003 U	0.0003 U	0.105	0.096	0.00217	0.00197
MW-113	2025-01-08	W113250108-	0.0003 U	0.0003 U	0.615	0.587	0.00362	0.00357
MW-114	2025-01-14	W114250114-	0.0003 U	0.0003 U	0.276	0.277	0.00191	0.00191
MW-115	2025-01-07	W115250107-	0.0003 U	0.0003 U	0.187	0.163	0.00139	0.00137
MW-72	2025-01-13	W72-250113-	0.0003 U	0.0003 U	0.075	0.215	0.0124	0.0128
MW-74R	2025-01-13	W74R250113-	0.0003 U	0.0003 U	0.339	0.348	0.0159	0.0129
MW-75	2025-01-18	W75-250108-	0.0003 U	0.0003 U	0.43	0.418	0.0158	0.0156
MW-80	2025-01-21	W80-250121-	0.0003 U	0.0003 U	3.01	3.19	0.0157	0.0155
MW-85	2025-01-14	W85-250114-	0.0003 U	0.0003 U	0.736	0.704	0.00784	0.00673
MW-87	2025-01-13	W87-250113-	0.0003 U	0.0003 U	0.662	1.2	0.0278	0.025
MW-68	2025-01-21	W68-250121-	0.0003 U	0.0003 U	5.18	58.5	0.00943	0.0126
MW-EB6	2025-01-21	WEB6250121-	0.0003 U	0.0003 U	0.861	0.963	0.00588	0.00776
MW-30A	2025-01-14	W30A250114-	0.0003 U	0.0003 U	0.497	0.497	0.00609	0.00556
MW-47	2025-01-15	W47-250115-	0.0003 U	0.0003 U	2.94	3.24	0.0327	0.0311
MW-62	2025-01-13	W62-250113-	0.0003 U	0.0003 U	0.154	0.176	0.0016	0.00181
MW-102	2025-01-16	W102250116-	0.0003 U	0.0003 U	0.225	0.324	0.00305	0.00466
MW-103	2025-03-25	W103250325-	0.0003 U	0.0003 U	8.61	8.64	0.00634	0.00743
MW-107	2025-01-21	W107250121-	0.0003 U	0.0003 U	4.55	5.14	0.00367	0.00444
MW-108	2025-01-16	W108250116-	0.0003 U	0.0003 U	1.78	1.74	0.00825	0.00693
MW-109	2025-01-15	W109250115-	0.00305 U	0.00297 U	35.6	48.8	0.13	0.214
MW-110	2025-01-16	W110250116-	0.0003 U	0.0003 U	4.73	5.11	0.0215	0.019
MW-111	2025-01-16	W111250116-	0.0003 U	0.0003 U	0.439	0.482	0.00406	0.0041
MW-112	2025-01-21	W112250121-	0.0003 U	0.0003 U	2.73	2.74	0.00834	0.00862
MW-101	2025-01-08	W101250108-	0.0003 U	0.0003 U	10.3	10	0.0164	0.0175

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total	Calcium, Dissolved	Calcium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-01-07	W59-250107-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	20.6	20.8
MW-66	2025-01-08	W66-250108-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	16.3	15.6
MW-81	2025-01-14	W81-250114-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	14.8	15.1
MW-83	2025-01-13	W83-250113-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	55.9	57.2
MW-84	2025-01-08	W84-250108-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	17.9	16.8
MW-94	2025-01-13	W94-250113-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	27.9	28.8
MW-113	2025-01-08	W113250108-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	42.7	42
MW-114	2025-01-14	W114250114-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	38.3	37.8
MW-115	2025-01-07	W115250107-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	33.9	33.2
MW-72	2025-01-13	W72-250113-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	31.1	30.7
MW-74R	2025-01-13	W74R250113-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	48.3	48.9
MW-75	2025-01-18	W75-250108-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	35.9	34.8
MW-80	2025-01-21	W80-250121-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	34	32.9
MW-85	2025-01-14	W85-250114-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	37.4	36.3
MW-87	2025-01-13	W87-250113-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	47.1	48.1
MW-68	2025-01-21	W68-250121-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	25.1	24.9
MW-EB6	2025-01-21	WEB6250121-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	7.36	7.63
MW-30A	2025-01-14	W30A250114-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	33.9	34.3
MW-47	2025-01-15	W47-250115-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	104	116
MW-62	2025-01-13	W62-250113-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	11.5	12
MW-102	2025-01-16	W102250116-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	15	15.3
MW-103	2025-03-25	W103250325-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	22.2	21.9
MW-107	2025-01-21	W107250121-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	10.6	10.5
MW-108	2025-01-16	W108250116-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	22.8	23
MW-109	2025-01-15	W109250115-	0.00102 U	0.000989 U	0.000509 U	0.000494 U	46	54.7
MW-110	2025-01-16	W110250116-	0.0001 U	0.0001 U	0.000051	0.00005 U	74.4	77.4
MW-111	2025-01-16	W111250116-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	6.79	7.3
MW-112	2025-01-21	W112250121-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	33.6	34.2
MW-101	2025-01-08	W101250108-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	45.3	43.9

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-01-07	W59-250107-	0.000319	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-66	2025-01-08	W66-250108-	0.00039	0.000255	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-81	2025-01-14	W81-250114-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-83	2025-01-13	W83-250113-	0.000448	0.000524	0.000216	0.000227	0.00224	0.00214
MW-84	2025-01-08	W84-250108-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-94	2025-01-13	W94-250113-	0.0002 U	0.0002 U	0.000137	0.000134	0.00146	0.0013
MW-113	2025-01-08	W113250108-	0.0002 U	0.0002 U	0.000053	0.000054	0.0002 U	0.0002 U
MW-114	2025-01-14	W114250114-	0.0002 U	0.00027	0.00005 U	0.000111	0.00028	0.000251
MW-115	2025-01-07	W115250107-	0.00023	0.0002 U	0.00005 U	0.00005 U	0.000287	0.000244
MW-72	2025-01-13	W72-250113-	0.0002 U	0.000321	0.00005 U	0.00005 U	0.0002 U	0.000456
MW-74R	2025-01-13	W74R250113-	0.0002 U	0.0002 U	0.000394	0.00039	0.000295	0.0002 U
MW-75	2025-01-18	W75-250108-	0.0002 U	0.000327	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-80	2025-01-21	W80-250121-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-85	2025-01-14	W85-250114-	0.000512	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-87	2025-01-13	W87-250113-	0.0002 U	0.000296	0.000155	0.000159	0.0002 U	0.0002 U
MW-68	2025-01-21	W68-250121-	0.0002 U	0.000246	0.000196	0.000332	0.0002 U	0.00207
MW-EB6	2025-01-21	WEB6250121-	0.0003	0.000752	0.00005 U	0.000136	0.00108	0.00183
MW-30A	2025-01-14	W30A250114-	0.00105	0.000775	0.00005 U	0.00006	0.000271	0.000376
MW-47	2025-01-15	W47-250115-	0.0002 U	0.0002 U	0.000384	0.000405	0.0002 U	0.0002 U
MW-62	2025-01-13	W62-250113-	0.000333	0.000561	0.000053	0.000092	0.000376	0.000472
MW-102	2025-01-16	W102250116-	0.000272	0.00115	0.00005 U	0.000237	0.000258	0.000969
MW-103	2025-03-25	W103250325-	0.000228	0.000372	0.00005 U	0.000073	0.000403	0.000651
MW-107	2025-01-21	W107250121-	0.000973	0.00119	0.00188	0.00198	0.00204	0.00284
MW-108	2025-01-16	W108250116-	0.000938	0.00087	0.00005 U	0.00005 U	0.000302	0.000395
MW-109	2025-01-15	W109250115-	0.182	0.256	0.00113	0.00187	0.0253	0.0461
MW-110	2025-01-16	W110250116-	0.0002 U	0.0002 U	0.00227	0.00239	0.000528	0.000495
MW-111	2025-01-16	W111250116-	0.00203	0.00206	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-112	2025-01-21	W112250121-	0.00144	0.00154	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-101	2025-01-08	W101250108-	0.0002 U	0.000386	0.000213	0.000239	0.00023	0.000379

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total	Magnesium, Dissolved	Magnesium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-01-07	W59-250107-	4.41	4.76	0.0001 U	0.0001 U	13	13.5
MW-66	2025-01-08	W66-250108-	0.01 U	0.0144	0.0001 U	0.0001 U	12.6	13.2
MW-81	2025-01-14	W81-250114-	0.01 U	0.01 U	0.0001 U	0.0001 U	7.75	8.5
MW-83	2025-01-13	W83-250113-	0.01 U	0.01 U	0.0001 U	0.0001 U	22.8	24.4
MW-84	2025-01-08	W84-250108-	0.01 U	0.01 U	0.0001 U	0.0001 U	12.7	13.2
MW-94	2025-01-13	W94-250113-	0.01 U	0.01 U	0.0001 U	0.0001 U	12.2	13.4
MW-113	2025-01-08	W113250108-	1.61	1.62	0.0001 U	0.0001 U	23.8	24.4
MW-114	2025-01-14	W114250114-	0.01 U	0.01 U	0.0001 U	0.0001 U	19.1	19.9
MW-115	2025-01-07	W115250107-	0.01 U	0.01 U	0.0001 U	0.0001 U	14.9	14.8
MW-72	2025-01-13	W72-250113-	2.59	5.28	0.0001 U	0.000169	18.5	19.7
MW-74R	2025-01-13	W74R250113-	0.0766	0.0791	0.0001 U	0.0001 U	35.2	38
MW-75	2025-01-18	W75-250108-	3.54	3.56	0.0001 U	0.0001 U	25.4	26.5
MW-80	2025-01-21	W80-250121-	2.46	2.55	0.0001 U	0.0001 U	18.2	18.2
MW-85	2025-01-14	W85-250114-	0.01 U	0.01 U	0.0001 U	0.0001 U	22.5	23.8
MW-87	2025-01-13	W87-250113-	4.98	5.75	0.0001 U	0.0001 U	31.5	34.4
MW-68	2025-01-21	W68-250121-	0.363	4.83	0.0001 U	0.0001 U	14.2	14.5
MW-EB6	2025-01-21	WEB6250121-	0.0134	0.205	0.0001 U	0.000321	3.83	4.02
MW-30A	2025-01-14	W30A250114-	0.01 U	0.0791	0.0001 U	0.0001 U	19.2	20
MW-47	2025-01-15	W47-250115-	2.9	3.31	0.0001 U	0.0001 U	51.8	61
MW-62	2025-01-13	W62-250113-	0.01 U	0.102	0.0001 U	0.0001 U	2.8	2.86
MW-102	2025-01-16	W102250116-	0.01 U	0.405	0.0001 U	0.000205	5.61	5.64
MW-103	2025-03-25	W103250325-	0.0143	0.104	0.0001 U	0.0001 U	10.1	10.2
MW-107	2025-01-21	W107250121-	1.81	2.16	0.0001 U	0.000119	3.23	3.3
MW-108	2025-01-16	W108250116-	0.01 U	0.0131	0.0001 U	0.0001 U	9.75	10.3
MW-109	2025-01-15	W109250115-	21.2	32.4	0.00214	0.00365	20.3	23.9
MW-110	2025-01-16	W110250116-	0.557	0.638	0.0001 U	0.0001 U	38.1	41.4
MW-111	2025-01-16	W111250116-	0.01 U	0.0666	0.0001 U	0.0001 U	2.08	2.16
MW-112	2025-01-21	W112250121-	0.01 U	0.01 U	0.0001 U	0.0001 U	18.7	19.6
MW-101	2025-01-08	W101250108-	0.369	0.513	0.0001 U	0.0001 U	28	28.3

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total	Nickel, Dissolved	Nickel, Total
			µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-01-07	W59-250107-	130	133	0.00005 U	0.00005 U	0.000291	0.000385
MW-66	2025-01-08	W66-250108-	0.1 U	0.403	0.00005 U	0.00005 U	0.000274	0.000218
MW-81	2025-01-14	W81-250114-	0.1 U	0.1 U	0.00005 U	0.00005 U	0.000167	0.000145
MW-83	2025-01-13	W83-250113-	1.23	75.7	0.00005 U	0.00005 U	0.00154	0.00217
MW-84	2025-01-08	W84-250108-	0.635	1.06	0.00005 U	0.00005 U	0.000352	0.000386
MW-94	2025-01-13	W94-250113-	1.28	1.49	0.00005 U	0.00005 U	0.000674	0.000636
MW-113	2025-01-08	W113250108-	505	489 D	0.00005 U	0.00005 U	0.000323	0.000292
MW-114	2025-01-14	W114250114-	0.385	0.763	0.00005 U	0.00005 U	0.0003	0.000379
MW-115	2025-01-07	W115250107-	1.04	1.32	0.00005 U	0.00005 U	0.000421	0.000353
MW-72	2025-01-13	W72-250113-	330	339	0.00005 U	0.00005 U	0.0001 U	0.000193
MW-74R	2025-01-13	W74R250113-	130	126	0.00005 U	0.00005 U	0.00206	0.00208
MW-75	2025-01-18	W75-250108-	312	309	0.00005 U	0.00005 U	0.0001 U	0.000228
MW-80	2025-01-21	W80-250121-	383	378	0.00005 U	0.00005 U	0.0001 U	0.0001 U
MW-85	2025-01-14	W85-250114-	0.127	0.1 U	0.00005 U	0.00005 U	0.00045	0.000263
MW-87	2025-01-13	W87-250113-	515	530 D	0.00005 U	0.00005 U	0.000195	0.000279
MW-68	2025-01-21	W68-250121-	278	393	0.00005 U	0.00005 U	0.000361	0.000496
MW-EB6	2025-01-21	WEB6250121-	0.937	3.4	0.00005 U	0.00005 U	0.00128	0.00169
MW-30A	2025-01-14	W30A250114-	0.186	1.26	0.00005 U	0.00005 U	0.0015	0.00135
MW-47	2025-01-15	W47-250115-	1280	1270 D	0.00005 U	0.00005 U	0.00194	0.00192
MW-62	2025-01-13	W62-250113-	0.376	3.73	0.00005 U	0.00005 U	0.000486	0.000596
MW-102	2025-01-16	W102250116-	0.413	8.01	0.00005 U	0.00005 U	0.000509	0.000949
MW-103	2025-03-25	W103250325-	3.23	23.4	0.00005 U	0.00005 U	0.00023	0.000411
MW-107	2025-01-21	W107250121-	942 D	826 D	0.00005 U	0.00005 U	0.00534	0.00561
MW-108	2025-01-16	W108250116-	0.179	0.458	0.00005 U	0.00005 U	0.000411	0.000427
MW-109	2025-01-15	W109250115-	3880	4240	0.000509 U	0.000494 U	0.0157	0.0256
MW-110	2025-01-16	W110250116-	2350	2630 D	0.00005 U	0.00005 U	0.00493	0.00497
MW-111	2025-01-16	W111250116-	1.57	2.03	0.00005 U	0.00005 U	0.00166	0.00175
MW-112	2025-01-21	W112250121-	10.7	15.1	0.00005 U	0.00005 U	0.000205	0.000237
MW-101	2025-01-08	W101250108-	1010	1040 D	0.00005 U	0.00005 U	0.00294	0.00325

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-01-07	W59-250107-	1.27	1.12 D	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-66	2025-01-08	W66-250108-	1.16	1.02 D	0.000945	0.000932	0.00004 U	0.00004 U
MW-81	2025-01-14	W81-250114-	0.843	0.842	0.000797	0.000796	0.00004 U	0.00004 U
MW-83	2025-01-13	W83-250113-	3.47	3.41	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-84	2025-01-08	W84-250108-	1.29	1.09 D	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-94	2025-01-13	W94-250113-	2.73	2.66	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-113	2025-01-08	W113250108-	2.27	2.02 D	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-114	2025-01-14	W114250114-	2.54	2.44	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-115	2025-01-07	W115250107-	2.18	1.83 D	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-72	2025-01-13	W72-250113-	1.96	1.87	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-74R	2025-01-13	W74R250113-	2.32	2.22	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-75	2025-01-18	W75-250108-	2.21	1.86 D	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-80	2025-01-21	W80-250121-	1.69	1.64	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-85	2025-01-14	W85-250114-	1.78	1.67	0.000873	0.000889	0.00004 U	0.00004 U
MW-87	2025-01-13	W87-250113-	2.47	2.41	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-68	2025-01-21	W68-250121-	1.55	1.55	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-EB6	2025-01-21	WEB6250121-	0.987	1.04	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-30A	2025-01-14	W30A250114-	1.71	1.67	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-47	2025-01-15	W47-250115-	4.58	4.81	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-62	2025-01-13	W62-250113-	0.72	0.691	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-102	2025-01-16	W102250116-	1.06	1.07	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-103	2025-03-25	W103250325-	2.4	2.36	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-107	2025-01-21	W107250121-	1.54	1.55	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-108	2025-01-16	W108250116-	1.36	1.27	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-109	2025-01-15	W109250115-	1.89	2.7	0.00509 U	0.00494 U	0.000407 U	0.000396 U
MW-110	2025-01-16	W110250116-	3.1	3.03	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-111	2025-01-16	W111250116-	0.291	0.317	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-112	2025-01-21	W112250121-	2.66	2.68	0.000617	0.000592	0.00004 U	0.00004 U
MW-101	2025-01-08	W101250108-	2.56	2.28 D	0.0005 U	0.0005 U	0.00004 U	0.00004 U

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total	Vanadium, Dissolved	Vanadium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-01-07	W59-250107-	7.12	6.81 D	0.000075 U	0.000075 U	0.000075 U	0.000075 U
MW-66	2025-01-08	W66-250108-	7.51	7.24 D	0.000075 U	0.000075 U	0.000764	0.000696
MW-81	2025-01-14	W81-250114-	6.66	7.28	0.000075 U	0.000075 U	0.00153	0.00164
MW-83	2025-01-13	W83-250113-	13.9	14.5	0.000075 U	0.000075 U	0.000885	0.000909
MW-84	2025-01-08	W84-250108-	7.63	7.34 D	0.000075 U	0.000075 U	0.000622	0.000512
MW-94	2025-01-13	W94-250113-	10.9	11.7	0.000075 U	0.000075 U	0.00102	0.00104
MW-113	2025-01-08	W113250108-	10.7	10.1 D	0.000075 U	0.000075 U	0.000172	0.000075 U
MW-114	2025-01-14	W114250114-	7.9	8.13	0.000075 U	0.000075 U	0.000797	0.000781
MW-115	2025-01-07	W115250107-	8.73	7.78 D	0.000075 U	0.000075 U	0.000603	0.000525
MW-72	2025-01-13	W72-250113-	8.74	8.99	0.000075 U	0.000075 U	0.000075 U	0.000141
MW-74R	2025-01-13	W74R250113-	12.7	13.4	0.000075 U	0.000075 U	0.000551	0.00053
MW-75	2025-01-18	W75-250108-	10.1	9.63 D	0.000075 U	0.000075 U	0.000075 U	0.000075 U
MW-80	2025-01-21	W80-250121-	8.59 D	8.62 D	0.000075 U	0.000075 U	0.000075 U	0.000075 U
MW-85	2025-01-14	W85-250114-	10.3	10.4	0.000075 U	0.000075 U	0.000968	0.000934
MW-87	2025-01-13	W87-250113-	11	11.8	0.000075 U	0.000075 U	0.000075 U	0.00015
MW-68	2025-01-21	W68-250121-	8.8 D	8.69 D	0.000075 U	0.000075 U	0.000188	0.00173
MW-EB6	2025-01-21	WEB6250121-	15.7 D	15.8 D	0.000075 U	0.000075 U	0.0065	0.00755
MW-30A	2025-01-14	W30A250114-	14.7	14.8	0.000075 U	0.000075 U	0.00218	0.00228
MW-47	2025-01-15	W47-250115-	17.7	20.1	0.000075 U	0.000075 U	0.000214	0.000194
MW-62	2025-01-13	W62-250113-	9.09	9.51	0.000075 U	0.000075 U	0.000613	0.000735
MW-102	2025-01-16	W102250116-	10.1	10.4	0.000075 U	0.000075 U	0.00104	0.00174
MW-103	2025-03-25	W103250325-	16.3	16.4	0.000075 U	0.000075 U	0.00217	0.00228
MW-107	2025-01-21	W107250121-	4.13 D	4.15 D	0.000075 U	0.000075 U	0.00137	0.00182
MW-108	2025-01-16	W108250116-	31.2	31.5	0.000075 U	0.000075 U	0.00325	0.0033
MW-109	2025-01-15	W109250115-	870	1140	0.000763 U	0.000742 U	0.508	0.801
MW-110	2025-01-16	W110250116-	28.1	28.2	0.000075 U	0.000075 U	0.000775	0.00074
MW-111	2025-01-16	W111250116-	6.35	6.81	0.000075 U	0.000075 U	0.000881	0.001
MW-112	2025-01-21	W112250121-	38.4 D	38.5 D	0.000075 U	0.000075 U	0.0012	0.00122
MW-101	2025-01-08	W101250108-	17.1	16.5 D	0.000075 U	0.000075 U	0.00037	0.000306

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L
MW-59	2025-01-07	W59-250107-	0.0005 U	0.0005 U
MW-66	2025-01-08	W66-250108-	0.0005 U	0.0005 U
MW-81	2025-01-14	W81-250114-	0.0005 U	0.0005 U
MW-83	2025-01-13	W83-250113-	0.0005 U	0.0005 U
MW-84	2025-01-08	W84-250108-	0.0006	0.000621
MW-94	2025-01-13	W94-250113-	0.0005 U	0.0005 U
MW-113	2025-01-08	W113250108-	0.0005 U	0.0005 U
MW-114	2025-01-14	W114250114-	0.000559	0.000548
MW-115	2025-01-07	W115250107-	0.0005 U	0.0005 U
MW-72	2025-01-13	W72-250113-	0.000849	0.00562
MW-74R	2025-01-13	W74R250113-	0.000769	0.0005 U
MW-75	2025-01-18	W75-250108-	0.0005 U	0.0005 U
MW-80	2025-01-21	W80-250121-	0.000509	0.0005 U
MW-85	2025-01-14	W85-250114-	0.000504	0.0005 U
MW-87	2025-01-13	W87-250113-	0.0005 U	0.0005 U
MW-68	2025-01-21	W68-250121-	0.0005 U	0.000759
MW-EB6	2025-01-21	WEB6250121-	0.000968	0.00219
MW-30A	2025-01-14	W30A250114-	0.000711	0.00067
MW-47	2025-01-15	W47-250115-	0.0005 U	0.0005 U
MW-62	2025-01-13	W62-250113-	0.0005 U	0.000504
MW-102	2025-01-16	W102250116-	0.0005 U	0.00145
MW-103	2025-03-25	W103250325-	0.0005 U	0.000884
MW-107	2025-01-21	W107250121-	0.00175	0.00207
MW-108	2025-01-16	W108250116-	0.000631	0.000931
MW-109	2025-01-15	W109250115-	0.00675	0.00745
MW-110	2025-01-16	W110250116-	0.0005 U	0.0005 U
MW-111	2025-01-16	W111250116-	0.0005 U	0.0005 U
MW-112	2025-01-21	W112250121-	0.0005 U	0.0005 U
MW-101	2025-01-08	W101250108-	0.00129	0.000854

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
MW-21	2025-04-23	W21-250423-	0.0003 U	0.0003 U	1.03	1.09	0.00587	0.0059
MW-24	2025-04-02	W24-250402-	0.0003 U	0.0003 U	0.553	0.578	0.00254	0.0023
MW-56	2025-04-02	W56-250402-	0.0003 U	0.0003 U	0.077	0.078	0.0061	0.00586
MW-59	2025-04-03	W59-250403-	0.0003 U	0.0003 U	0.356	0.384	0.00493	0.00471
MW-64	2025-04-14	W64-250414-	0.0003 U	0.0003 U	1.25	1.35	0.00814	0.00881
MW-65	2025-04-03	W65-250403-	0.0003 U	0.0003 U	0.318	0.864	0.00751	0.0076
MW-66	2025-04-23	W66-250423-	0.0003 U	0.0003 U	0.661	0.684	0.00376	0.0037
MW-73	2025-04-23	W73-250423-	0.0003 U	0.0003 U	0.675	0.721	0.00222	0.00251
MW-76	2025-04-09	W76-250409-	0.0003 U	0.0003 U	0.22	0.22	0.00408	0.00431
MW-81	2025-04-10	W81-250410-	0.0003 U	0.0003 U	0.515	0.528	0.00327	0.00336
MW-82	2025-04-02	W82-250402-	0.0003 U	0.0003 U	0.262	0.327	0.00121	0.00248
MW-83	2025-04-02	W83-250402-	0.0003 U	0.0003 U	0.324	0.331	0.0138	0.0129
MW-84	2025-04-10	W84-250410-	0.0003 U	0.0003 U	0.318	0.34	0.00487	0.00513
MW-94	2025-04-02	W94-250402-	0.0003 U	0.0003 U	0.107	0.106	0.00213	0.00196
MW-113	2025-04-03	W113250403-	0.0003 U	0.0003 U	0.549	0.578	0.00327	0.00304
MW-114	2025-04-03	W114250403-	0.0003 U	0.0003 U	0.265	0.27	0.00201	0.00192
MW-115	2025-04-09	W115250409-	0.0003 U	0.0003 U	0.155	0.173	0.00137	0.00143
MW-67	2025-04-14	W67-250414-	0.0003 U	0.0003 U	0.46	2.74	0.0109	0.0143
MW-72	2025-04-24	W72-250424-	0.0003 U	0.0003 U	0.074	0.202	0.0116	0.0133
MW-74R	2025-04-07	W74R250407-	0.0003 U	0.0003 U	0.321	0.323	0.015	0.0148
MW-75	2025-04-07	W75-250407-	0.0003 U	0.0003 U	0.387	0.387	0.0154	0.0146
MW-80	2025-04-16	W80-250416-	0.0003 U	0.0003 U	2.97	3.36	0.0147	0.0146
MW-85	2025-04-07	W85-250407-	0.0003 U	0.0003 U	0.674	0.677	0.00743	0.00739
MW-86	2025-04-10	W86-250410-	0.0003 U	0.0003 U	0.755	1.23	0.00561	0.00587
MW-87	2025-04-24	W87-250424-	0.0003 U	0.0003 U	0.582	0.753	0.0266	0.0273
MW-88	2025-04-10	W88-250410-	0.0003 U	0.0003 U	0.984	1.03	0.00225	0.00229
MW-89	2025-04-10	W89-250410-	0.0003 U	0.0003 U	0.67	1.12	0.00817	0.00951
MW-100	2025-04-29	W100250429-	0.0003 U	0.0003 U	0.323	1.97	0.00618	0.00599
MW-68	2025-04-16	W68-250416-	0.0003 U	0.0003 U	4.88	26.8	0.009	0.00988
MW-93	2025-04-29	W93-250429-	0.0003 U	0.0003 U	1.47	1.46	0.00844	0.00822
MW-95	2025-04-09	W95-250409-	0.0003 U	0.0003 U	0.957	0.987	0.00483	0.00507

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
MW-EB6	2025-04-21	WEB6250421-	0.0003 U	0.0003 U	0.675	0.79	0.00587	0.00772
MW-30A	2025-04-21	W30A250421-	0.0003 U	0.0003 U	0.457	0.468	0.00643	0.00645
MW-47	2025-04-17	W47-250417-	0.0003 U	0.0003 U	1.73	1.75	0.0262	0.026
MW-62	2025-04-23	W62-250423-	0.0003 U	0.0003 U	0.148	0.142	0.00164	0.00159
MW-102	2025-04-21	W102250421-	0.0003 U	0.0003 U	0.241	0.253	0.00266	0.00289
MW-103	2025-05-22	W103250522-	0.0003 U	0.0003 U	8.56	8.73	0.00717	0.00837
MW-107	2025-04-16	W107250416-	0.0003 U	0.0003 U	7.17	8.4	0.00424	0.00444
MW-108	2025-04-22	W108250422-	0.0003 U	0.0003 U	1.43	1.45	0.0066	0.00653
MW-109	2025-04-18	W109250418-	0.00303 U	0.00301 U	98.2	105	0.107	0.149
MW-110	2025-04-16	W110250416-	0.0003 U	0.0003 U	4.07	5.07	0.0197	0.0196
MW-111	2025-04-16	W111250416-	0.0003 U	0.0003 U	0.327	0.336	0.00318	0.00342
MW-112	2025-04-16	W112250416-	0.0003 U	0.0003 U	2.27	2.31	0.00832	0.00854
MW-101	2025-04-23	W101250423-	0.0003 U	0.0003 U	11.7	13	0.0175	0.016

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total	Calcium, Dissolved	Calcium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-04-23	W21-250423-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	12.7	13.4
MW-24	2025-04-02	W24-250402-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	17.5	17.8
MW-56	2025-04-02	W56-250402-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	29.9	29.4
MW-59	2025-04-03	W59-250403-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	20.9	21.3
MW-64	2025-04-14	W64-250414-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	19.1	19.2
MW-65	2025-04-03	W65-250403-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	15	15.6
MW-66	2025-04-23	W66-250423-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	16.5	16.1
MW-73	2025-04-23	W73-250423-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	11.2	11.5
MW-76	2025-04-09	W76-250409-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	23.5	24.1
MW-81	2025-04-10	W81-250410-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	15	14.9
MW-82	2025-04-02	W82-250402-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	28.5	29.5
MW-83	2025-04-02	W83-250402-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	82.7	85.6
MW-84	2025-04-10	W84-250410-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	16	16.3
MW-94	2025-04-02	W94-250402-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	31.3	31
MW-113	2025-04-03	W113250403-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	41.3	41.7
MW-114	2025-04-03	W114250403-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	38.1	38.8
MW-115	2025-04-09	W115250409-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	33	33.3
MW-67	2025-04-14	W67-250414-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	34.7	35.5
MW-72	2025-04-24	W72-250424-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	31	30.5
MW-74R	2025-04-07	W74R250407-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	50.8	51
MW-75	2025-04-07	W75-250407-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	35.1	35.1
MW-80	2025-04-16	W80-250416-	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	34.3	34.1
MW-85	2025-04-07	W85-250407-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	36.9	36.9
MW-86	2025-04-10	W86-250410-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	16.3	16
MW-87	2025-04-24	W87-250424-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	49.9	47.7
MW-88	2025-04-10	W88-250410-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	10.4	10.3
MW-89	2025-04-10	W89-250410-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	21.3	21.5
MW-100	2025-04-29	W100250429-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	27	27.6
MW-68	2025-04-16	W68-250416-	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	24.4	24.5
MW-93	2025-04-29	W93-250429-	0.0001 DU	0.0001 U	0.00005 U	0.00005 U	32.5	32.4
MW-95	2025-04-09	W95-250409-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	25.5	26.1

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total	Calcium, Dissolved	Calcium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-EB6	2025-04-21	WEB6250421-	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	7.33	7.64
MW-30A	2025-04-21	W30A250421-	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	35.5	34.8
MW-47	2025-04-17	W47-250417-	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	99.1	99.4
MW-62	2025-04-23	W62-250423-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	12.3	12.6
MW-102	2025-04-21	W102250421-	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	14.3	14.5
MW-103	2025-05-22	W103250522-	0.0001 U	0.0001 U	0.00005 U	0.00005 DU	21.6	23.1
MW-107	2025-04-16	W107250416-	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	12.6	12.6
MW-108	2025-04-22	W108250422-	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	22.1	22.5
MW-109	2025-04-18	W109250418-	0.00101 U	0.00107 D	0.000505 U	0.000502 U	49.6	55.6
MW-110	2025-04-16	W110250416-	0.0001 U	0.0001 DU	0.000072	0.000078	74.7	76.1
MW-111	2025-04-16	W111250416-	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	6.64	6.72
MW-112	2025-04-16	W112250416-	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	33.7	34.3
MW-101	2025-04-23	W101250423-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	46.1	45.5

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-04-23	W21-250423-	0.000215	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-24	2025-04-02	W24-250402-	0.0002 U	0.000395	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-56	2025-04-02	W56-250402-	0.0002 U	0.0002 U	0.000201	0.000165	0.000244	0.000295
MW-59	2025-04-03	W59-250403-	0.000257	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-64	2025-04-14	W64-250414-	0.0002 U	0.0002 U	0.000189	0.000231	0.0002 U	0.0002 U
MW-65	2025-04-03	W65-250403-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-66	2025-04-23	W66-250423-	0.0002 U	0.000267	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-73	2025-04-23	W73-250423-	0.000203	0.000266	0.00005 U	0.00005 U	0.0002 U	0.000295
MW-76	2025-04-09	W76-250409-	0.00533	0.0054	0.000123	0.000127	0.00238	0.00239
MW-81	2025-04-10	W81-250410-	0.0002 U	0.00025	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-82	2025-04-02	W82-250402-	0.00022	0.00488	0.00005 U	0.000135	0.000336	0.000753
MW-83	2025-04-02	W83-250402-	0.0002 U	0.000464	0.000379	0.000347	0.00415	0.0039
MW-84	2025-04-10	W84-250410-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-94	2025-04-02	W94-250402-	0.0002 U	0.0002 U	0.000131	0.000121	0.00145	0.0014
MW-113	2025-04-03	W113250403-	0.0002 U	0.0002 U	0.000058	0.000053	0.0002 U	0.0002 U
MW-114	2025-04-03	W114250403-	0.000312	0.0002 U	0.000061	0.000079	0.000305	0.00028
MW-115	2025-04-09	W115250409-	0.0002 U	0.000204	0.00005 U	0.00005 U	0.000314	0.00033
MW-67	2025-04-14	W67-250414-	0.0002 U	0.000283	0.00005 U	0.000119	0.0002 U	0.000396
MW-72	2025-04-24	W72-250424-	0.0002 U	0.000206	0.00005 U	0.00005 U	0.0002 U	0.000348
MW-74R	2025-04-07	W74R250407-	0.000942	0.000228	0.000617	0.000648	0.000259	0.000247
MW-75	2025-04-07	W75-250407-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-80	2025-04-16	W80-250416-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-85	2025-04-07	W85-250407-	0.000469	0.000247	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-86	2025-04-10	W86-250410-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.00134	0.00202
MW-87	2025-04-24	W87-250424-	0.0002 U	0.0002 U	0.000166	0.000143	0.0002 U	0.0002 U
MW-88	2025-04-10	W88-250410-	0.000622	0.000727	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-89	2025-04-10	W89-250410-	0.0002 U	0.000297	0.00005 U	0.00005 U	0.0002 U	0.000299
MW-100	2025-04-29	W100250429-	0.000203	0.00111	0.000209	0.000251	0.0002 U	0.0002 U
MW-68	2025-04-16	W68-250416-	0.0002 U	0.000225	0.000186	0.00022	0.0002 U	0.000773
MW-93	2025-04-29	W93-250429-	0.000277	0.0002 U	0.000141	0.00016	0.0002 U	0.000621
MW-95	2025-04-09	W95-250409-	0.0002 U	0.0002 U	0.000074	0.000074	0.0002 U	0.0002 U

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-EB6	2025-04-21	WEB6250421-	0.00022	0.000914	0.00007	0.000161	0.000894	0.0019
MW-30A	2025-04-21	W30A250421-	0.000707	0.000844	0.00005 U	0.000058	0.000277	0.000448
MW-47	2025-04-17	W47-250417-	0.0002 U	0.0002 U	0.000363	0.000358	0.0002 U	0.0002 U
MW-62	2025-04-23	W62-250423-	0.000286	0.000418	0.00005	0.000058	0.000266	0.000357
MW-102	2025-04-21	W102250421-	0.000213	0.000465	0.00005 U	0.000085	0.000294	0.000516
MW-103	2025-05-22	W103250522-	0.000327	0.000549	0.00005 U	0.00013	0.000317	0.000877
MW-107	2025-04-16	W107250416-	0.000686	0.000732	0.0024	0.0024	0.000904	0.00117
MW-108	2025-04-22	W108250422-	0.000796	0.00141	0.00005 U	0.00005 U	0.000343	0.000313
MW-109	2025-04-18	W109250418-	0.169	0.239	0.0012	0.00156	0.0175	0.0315
MW-110	2025-04-16	W110250416-	0.0002 U	0.0002 U	0.0021	0.0022	0.00046	0.000483
MW-111	2025-04-16	W111250416-	0.00182	0.00181	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-112	2025-04-16	W112250416-	0.00148	0.00153	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-101	2025-04-23	W101250423-	0.0002 U	0.000423	0.000241	0.000227	0.0002 U	0.000256

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total	Magnesium, Dissolved	Magnesium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-04-23	W21-250423-	3.1	3.33	0.0001 U	0.0001 U	7.44	7.04
MW-24	2025-04-02	W24-250402-	3.45	3.44	0.0001 U	0.0001 U	12.1	11.8
MW-56	2025-04-02	W56-250402-	0.0645	0.0884	0.0001 U	0.0001 U	16.6	15.4
MW-59	2025-04-03	W59-250403-	4.5	4.51	0.0001 U	0.0001 U	13.7	13.6
MW-64	2025-04-14	W64-250414-	0.121	0.155 D	0.0001 U	0.0001 U	11.7	11.5
MW-65	2025-04-03	W65-250403-	4.82	6.46	0.0001 U	0.0001 U	9.4	9.11
MW-66	2025-04-23	W66-250423-	0.01 U	0.0167	0.0001 U	0.0001 U	13.2	12.3
MW-73	2025-04-23	W73-250423-	0.01 U	0.046	0.0001 U	0.0001 U	6.01	5.61
MW-76	2025-04-09	W76-250409-	0.01 U	0.01 DU	0.0001 U	0.0001 U	10.1	10.3
MW-81	2025-04-10	W81-250410-	0.01 U	0.01 DU	0.0001 U	0.0001 U	7.99	8.13
MW-82	2025-04-02	W82-250402-	0.01 U	0.215	0.0001 U	0.000179	18.4	18.1
MW-83	2025-04-02	W83-250402-	0.01 U	0.0171	0.0001 U	0.0001 U	36.1	35.8
MW-84	2025-04-10	W84-250410-	0.01 U	0.01 DU	0.0001 U	0.0001 U	12.8	12.3
MW-94	2025-04-02	W94-250402-	0.01 U	0.01 U	0.0001 U	0.0001 U	14.6	14.6
MW-113	2025-04-03	W113250403-	1.45	1.46	0.0001 U	0.0001 U	24.8	23.6
MW-114	2025-04-03	W114250403-	0.01 U	0.01 U	0.0001 U	0.0001 U	20.8	20.3
MW-115	2025-04-09	W115250409-	0.01 U	0.01 DU	0.0001 U	0.0001 U	15.2	14.6
MW-67	2025-04-14	W67-250414-	0.617	2.85 D	0.0001 U	0.0001 U	21.1	20.5
MW-72	2025-04-24	W72-250424-	2.7	5.68	0.0001 U	0.0001 U	19.6	18.9
MW-74R	2025-04-07	W74R250407-	0.195	0.212	0.0001 U	0.0001 U	38.4	39.1
MW-75	2025-04-07	W75-250407-	3.39	3.3	0.0001 U	0.0001 U	26.1	26.4
MW-80	2025-04-16	W80-250416-	2.43	2.67	0.0001 U	0.0001 DU	18.5	18.2
MW-85	2025-04-07	W85-250407-	0.01 U	0.01 U	0.0001 U	0.0001 U	23.8	23.9
MW-86	2025-04-10	W86-250410-	0.97	1.24 D	0.0001 U	0.0001 U	11.9	11.3
MW-87	2025-04-24	W87-250424-	5.28	5.23	0.0001 U	0.0001 U	34.4	33.5
MW-88	2025-04-10	W88-250410-	0.01 U	0.01 DU	0.0001 U	0.0001 U	7.65	7.82
MW-89	2025-04-10	W89-250410-	1.55	2.23 D	0.0001 U	0.0001 U	16	15.5
MW-100	2025-04-29	W100250429-	0.606	2.4	0.0001 U	0.0001 U	16.9	17.3
MW-68	2025-04-16	W68-250416-	0.339	1.67	0.0001 U	0.0001 DU	14.1	13.9
MW-93	2025-04-29	W93-250429-	0.01 U	0.01 U	0.0001 U	0.0001 U	17.4	17.1
MW-95	2025-04-09	W95-250409-	0.01 U	0.01 DU	0.0001 U	0.0001 U	14.2	13.6

Table A-5

Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total	Magnesium, Dissolved	Magnesium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-EB6	2025-04-21	WEB6250421-	0.0263	0.29	0.0001 U	0.000386 D	4.09	3.92
MW-30A	2025-04-21	W30A250421-	0.01 U	0.0695	0.0001 U	0.0001 DU	20.8	20.4
MW-47	2025-04-17	W47-250417-	2.27	2.29	0.0001 U	0.0001 DU	50.4	50.2
MW-62	2025-04-23	W62-250423-	0.01 U	0.0335	0.0001 U	0.0001 U	3.15	2.95
MW-102	2025-04-21	W102250421-	0.01 U	0.104	0.0001 U	0.0001 DU	5.6	5.28
MW-103	2025-05-22	W103250522-	0.01 U	0.178	0.0001 U	0.000152	9.77	9.98
MW-107	2025-04-16	W107250416-	2.71	3.04	0.0001 U	0.0001 DU	3.84	3.78
MW-108	2025-04-22	W108250422-	0.01 U	0.0259	0.0001 U	0.0001 DU	9.8	9.51
MW-109	2025-04-18	W109250418-	23.7	28.4	0.00144	0.00215 D	23.8	26.7
MW-110	2025-04-16	W110250416-	0.52	0.718	0.0001 U	0.0001 DU	40	39.4
MW-111	2025-04-16	W111250416-	0.01 U	0.012	0.0001 U	0.0001 DU	1.97	1.95
MW-112	2025-04-16	W112250416-	0.01 U	0.01 U	0.0001 U	0.0001 DU	19.9	19.6
MW-101	2025-04-23	W101250423-	0.576	0.605	0.0001 U	0.0001 U	28.4	28.4

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total	Nickel, Dissolved	Nickel, Total
			µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-04-23	W21-250423-	140	134	0.00005 U	0.00005 U	0.000128	0.000105
MW-24	2025-04-02	W24-250402-	114	113	0.00005 U	0.00005 U	0.0001 U	0.000302
MW-56	2025-04-02	W56-250402-	228	173	0.00005 U	0.00005 U	0.0011	0.00108
MW-59	2025-04-03	W59-250403-	136	136	0.00005 U	0.00005 U	0.000202	0.00015
MW-64	2025-04-14	W64-250414-	113	134	0.00005 U	0.00005 U	0.000734	0.000843
MW-65	2025-04-03	W65-250403-	290	322	0.00005 U	0.00005 U	0.000135	0.000134
MW-66	2025-04-23	W66-250423-	0.1 U	0.399	0.00005 U	0.00005 U	0.000165	0.000185
MW-73	2025-04-23	W73-250423-	0.1 U	2	0.00005 U	0.00005 U	0.000221	0.000275
MW-76	2025-04-09	W76-250409-	0.1 U	0.1 U	0.00005 U	0.00005 U	0.000603	0.00063
MW-81	2025-04-10	W81-250410-	0.1 U	0.1 U	0.00005 U	0.00005 U	0.00015	0.000176
MW-82	2025-04-02	W82-250402-	0.1 U	3.77	0.00005 U	0.00005 U	0.0011	0.0128
MW-83	2025-04-02	W83-250402-	7.58	11.9	0.00005 U	0.00005 U	0.00257	0.0028
MW-84	2025-04-10	W84-250410-	0.48	1.1	0.00005 U	0.00005 U	0.000373	0.00035
MW-94	2025-04-02	W94-250402-	0.575	0.607	0.00005 U	0.00005 U	0.000624	0.000637
MW-113	2025-04-03	W113250403-	472	467	0.00005 U	0.00005 U	0.000303	0.00042
MW-114	2025-04-03	W114250403-	0.311	0.475	0.00005 U	0.00005 U	0.000363	0.000303
MW-115	2025-04-09	W115250409-	0.588	0.73	0.00005 U	0.00005 U	0.000351	0.000343
MW-67	2025-04-14	W67-250414-	246	488	0.00005 U	0.00005 U	0.000316	0.000651
MW-72	2025-04-24	W72-250424-	339	333	0.00005 U	0.00005 U	0.0001 U	0.000137
MW-74R	2025-04-07	W74R250407-	146	157	0.00005 U	0.00005 U	0.00248	0.00206
MW-75	2025-04-07	W75-250407-	293	296	0.00005 U	0.00005 U	0.0001 U	0.0001 U
MW-80	2025-04-16	W80-250416-	381	384	0.00005 U	0.00005 U	0.0001 U	0.0001 U
MW-85	2025-04-07	W85-250407-	0.855	0.701	0.00005 U	0.00005 U	0.000415	0.000295
MW-86	2025-04-10	W86-250410-	11.3	11.7	0.00005 U	0.00005 U	0.000108	0.0001 U
MW-87	2025-04-24	W87-250424-	541	512	0.00005 U	0.00005 U	0.000172	0.000165
MW-88	2025-04-10	W88-250410-	0.1 U	0.1 U	0.00005 U	0.00005 U	0.000145	0.000173
MW-89	2025-04-10	W89-250410-	351	378	0.00005 U	0.00005 U	0.0001 U	0.000187
MW-100	2025-04-29	W100250429-	108	118	0.00005 U	0.00005 U	0.00062	0.000528
MW-68	2025-04-16	W68-250416-	269	290	0.00005 U	0.00005 U	0.000338	0.000469
MW-93	2025-04-29	W93-250429-	358	350	0.00005 U	0.00005 U	0.000411	0.000324
MW-95	2025-04-09	W95-250409-	185	197	0.00005 U	0.00005 U	0.000206	0.000216

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total	Nickel, Dissolved	Nickel, Total
			µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
MW-EB6	2025-04-21	WEB6250421-	1.46	4.35	0.00005 U	0.00005 U	0.00119	0.00157
MW-30A	2025-04-21	W30A250421-	0.248	1.42	0.00005 U	0.00005 U	0.00138	0.00145
MW-47	2025-04-17	W47-250417-	1820 D	1830 D	0.00005 U	0.00005 U	0.00155	0.00157
MW-62	2025-04-23	W62-250423-	0.349	1.45	0.00005 U	0.00005 U	0.000444	0.00066
MW-102	2025-04-21	W102250421-	0.259	2.28	0.00005 U	0.00005 U	0.000475	0.000541
MW-103	2025-05-22	W103250522-	0.521	43.7 D	0.00005 U	0.00005 U	0.000222	0.000545
MW-107	2025-04-16	W107250416-	1250 D	1270 D	0.00005 U	0.00005 U	0.0047	0.00469
MW-108	2025-04-22	W108250422-	0.141	0.698	0.00005 U	0.00005 U	0.000302	0.000644
MW-109	2025-04-18	W109250418-	3820	3900	0.000505 U	0.000502 U	0.0156	0.0217
MW-110	2025-04-16	W110250416-	3920 D	3990 D	0.00005 U	0.00005 U	0.00622	0.00603
MW-111	2025-04-16	W111250416-	1.55	1.67	0.00005 U	0.00005 U	0.00152	0.00149
MW-112	2025-04-16	W112250416-	12.7	13.2	0.00005 U	0.00005 U	0.000199	0.000223
MW-101	2025-04-23	W101250423-	1060	1030	0.00005 U	0.00005 U	0.00312	0.00318

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-04-23	W21-250423-	1.15	1.03	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-24	2025-04-02	W24-250402-	1.12	0.996	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-56	2025-04-02	W56-250402-	1.42	1.25	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-59	2025-04-03	W59-250403-	1.27	1.15	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-64	2025-04-14	W64-250414-	1.25	1.41	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-65	2025-04-03	W65-250403-	1.05	0.947	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-66	2025-04-23	W66-250423-	1.18	1.01	0.000878	0.000857	0.00004 U	0.00004 U
MW-73	2025-04-23	W73-250423-	0.804	0.72	0.0005 U	0.000602	0.00004 U	0.00004 U
MW-76	2025-04-09	W76-250409-	1.42	1.62	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-81	2025-04-10	W81-250410-	0.798	0.877	0.000797	0.000774	0.00004 U	0.00004 U
MW-82	2025-04-02	W82-250402-	1.9	1.75	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-83	2025-04-02	W83-250402-	4.32	3.91	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-84	2025-04-10	W84-250410-	1.06	1.23	0.000554	0.000502	0.00004 U	0.00004 U
MW-94	2025-04-02	W94-250402-	2.89	2.63	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-113	2025-04-03	W113250403-	2.17	1.99	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-114	2025-04-03	W114250403-	2.61	2.33	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-115	2025-04-09	W115250409-	1.97	2.21	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-67	2025-04-14	W67-250414-	1.58	1.77	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-72	2025-04-24	W72-250424-	1.98	1.74	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-74R	2025-04-07	W74R250407-	2.15	2.36	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-75	2025-04-07	W75-250407-	1.91	2.08	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-80	2025-04-16	W80-250416-	1.61	1.61	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-85	2025-04-07	W85-250407-	1.61	1.81	0.000848	0.000859	0.00004 U	0.00004 U
MW-86	2025-04-10	W86-250410-	1.19	1.31	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-87	2025-04-24	W87-250424-	2.6	2.24	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-88	2025-04-10	W88-250410-	0.813	0.9	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-89	2025-04-10	W89-250410-	1.61	1.79	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-100	2025-04-29	W100250429-	1.64	1.81	0.0005 U	0.0005 U	0.00004 U	0.00004 DU
MW-68	2025-04-16	W68-250416-	1.43	1.43	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-93	2025-04-29	W93-250429-	1.43	1.53	0.0005 U	0.0005 U	0.00004 U	0.00004 DU
MW-95	2025-04-09	W95-250409-	1.21	1.38	0.0005 U	0.0005 U	0.00004 U	0.00004 U

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-EB6	2025-04-21	WEB6250421-	1.16	1	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-30A	2025-04-21	W30A250421-	1.85	1.62	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-47	2025-04-17	W47-250417-	3.89	3.96	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-62	2025-04-23	W62-250423-	0.738	0.666	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-102	2025-04-21	W102250421-	1.11	0.952	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-103	2025-05-22	W103250522-	2.6	2.34 D	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-107	2025-04-16	W107250416-	1.69	1.68	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-108	2025-04-22	W108250422-	1.17	1.15	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-109	2025-04-18	W109250418-	1.98	2.63	0.00505 U	0.00502 U	0.000404 U	0.000401 U
MW-110	2025-04-16	W110250416-	2.65	2.78	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-111	2025-04-16	W111250416-	0.248	0.251	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-112	2025-04-16	W112250416-	2.23	2.28	0.0005 U	0.000548	0.00004 U	0.00004 U
MW-101	2025-04-23	W101250423-	2.56	2.31	0.0005 U	0.0005 U	0.00004 U	0.00004 U

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total	Vanadium, Dissolved	Vanadium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-04-23	W21-250423-	6.34	6.43	0.000075 U	0.000075 U	0.000134	0.000075 U
MW-24	2025-04-02	W24-250402-	6.8	6.09	0.000075 U	0.000075 U	0.000075 U	0.000075 DU
MW-56	2025-04-02	W56-250402-	8.13	6.94	0.000075 U	0.000075 U	0.000262	0.000201 D
MW-59	2025-04-03	W59-250403-	7.34	6.75	0.000075 U	0.000075 U	0.000075 U	0.000075 DU
MW-64	2025-04-14	W64-250414-	7.26	7.04	0.000075 U	0.000075 U	0.000112	0.000277
MW-65	2025-04-03	W65-250403-	6.39	5.76	0.000075 U	0.000075 U	0.000075 U	0.000075 DU
MW-66	2025-04-23	W66-250423-	7.7	7.66	0.000075 U	0.000075 U	0.000809	0.000717
MW-73	2025-04-23	W73-250423-	5.76	5.81	0.000075 U	0.000075 U	0.00136	0.00129
MW-76	2025-04-09	W76-250409-	14.1	13.4	0.000075 U	0.000075 U	0.000623	0.000636
MW-81	2025-04-10	W81-250410-	7.32	6.9	0.000075 U	0.000075 U	0.00159	0.00174
MW-82	2025-04-02	W82-250402-	8.91	7.97	0.000075 U	0.000075 U	0.00137	0.00145 D
MW-83	2025-04-02	W83-250402-	17.8	16.6	0.000075 U	0.000075 U	0.000866	0.000847 D
MW-84	2025-04-10	W84-250410-	7.71	7.33	0.000075 U	0.000075 U	0.000501	0.000676
MW-94	2025-04-02	W94-250402-	12.6	10.9	0.000075 U	0.000075 U	0.00107	0.000993 D
MW-113	2025-04-03	W113250403-	10.8	9.24	0.000075 U	0.000075 U	0.000105	0.000075 DU
MW-114	2025-04-03	W114250403-	8.26	7.08	0.000075 U	0.000075 U	0.000801	0.000727 D
MW-115	2025-04-09	W115250409-	8.69	8.24	0.000075 U	0.000075 U	0.000563	0.000694
MW-67	2025-04-14	W67-250414-	9.9	9.75	0.000075 U	0.000075 U	0.00022	0.00195
MW-72	2025-04-24	W72-250424-	8.76	8.73	0.000075 U	0.000075 U	0.000108	0.000148
MW-74R	2025-04-07	W74R250407-	13.3	13	0.000075 U	0.000075 U	0.000487	0.000495
MW-75	2025-04-07	W75-250407-	10.2	10	0.000075 U	0.000075 U	0.000075 U	0.000075 U
MW-80	2025-04-16	W80-250416-	8.99	8.82	0.000075 U	0.000075 DU	0.000075 U	0.000075 U
MW-85	2025-04-07	W85-250407-	10.6	10.5	0.000075 U	0.000075 U	0.000949	0.000923
MW-86	2025-04-10	W86-250410-	7.74	7.28	0.000075 U	0.000075 U	0.000075 U	0.00018
MW-87	2025-04-24	W87-250424-	11.9	11.5	0.000075 U	0.000075 U	0.000082	0.000079
MW-88	2025-04-10	W88-250410-	6.58	6.3	0.000075 U	0.000075 U	0.00274	0.0029
MW-89	2025-04-10	W89-250410-	9.81	9.47	0.000075 U	0.000075 U	0.000075 U	0.000187
MW-100	2025-04-29	W100250429-	8.84	9	0.000075 U	0.000075 U	0.000075 U	0.000075 U
MW-68	2025-04-16	W68-250416-	8.97	8.8	0.000075 U	0.000075 DU	0.000161	0.000708
MW-93	2025-04-29	W93-250429-	9.97	9.73	0.000075 U	0.000075 U	0.0023	0.00225
MW-95	2025-04-09	W95-250409-	7.27	6.87	0.000075 U	0.000075 U	0.000278	0.00038

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total	Vanadium, Dissolved	Vanadium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-EB6	2025-04-21	WEB6250421-	14.7	15.1	0.000075 U	0.000075 DU	0.00468	0.00518
MW-30A	2025-04-21	W30A250421-	14.8	14.8	0.000075 U	0.000075 DU	0.002	0.00206
MW-47	2025-04-17	W47-250417-	19.1	18.8	0.000075 U	0.000075 DU	0.00015	0.000167
MW-62	2025-04-23	W62-250423-	9.36	9.54	0.000075 U	0.000075 U	0.000632	0.000623
MW-102	2025-04-21	W102250421-	10.9	10.9	0.000075 U	0.000075 DU	0.00108	0.00105
MW-103	2025-05-22	W103250522-	14.1	14.1	0.000075 U	0.000075 U	0.00197 D	0.00224 D
MW-107	2025-04-16	W107250416-	6.02	5.78	0.000075 U	0.000075 DU	0.00103	0.00128
MW-108	2025-04-22	W108250422-	27.8	35.1	0.000075 U	0.000075 DU	0.00278	0.00267
MW-109	2025-04-18	W109250418-	1060	1260	0.000757 U	0.000752 DU	0.523	0.717
MW-110	2025-04-16	W110250416-	27.6	25.5	0.000075 U	0.000075 DU	0.000587	0.000596
MW-111	2025-04-16	W111250416-	6.22	6.21	0.000075 U	0.000075 DU	0.000707	0.000736
MW-112	2025-04-16	W112250416-	34.2	33.8	0.000075 U	0.000075 DU	0.00102	0.000997
MW-101	2025-04-23	W101250423-	16.4	16.6	0.000075 U	0.000075 U	0.000267	0.000254

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L
MW-21	2025-04-23	W21-250423-	0.0005 U	0.0005 U
MW-24	2025-04-02	W24-250402-	0.0005 U	0.0005 U
MW-56	2025-04-02	W56-250402-	0.00102	0.00105
MW-59	2025-04-03	W59-250403-	0.0005 U	0.0005 U
MW-64	2025-04-14	W64-250414-	0.0005 U	0.0005 U
MW-65	2025-04-03	W65-250403-	0.0005 U	0.0005 U
MW-66	2025-04-23	W66-250423-	0.0005 U	0.0005 U
MW-73	2025-04-23	W73-250423-	0.0005 U	0.000855
MW-76	2025-04-09	W76-250409-	0.0005 U	0.000614
MW-81	2025-04-10	W81-250410-	0.0005 U	0.0005 U
MW-82	2025-04-02	W82-250402-	0.0005 U	0.00259
MW-83	2025-04-02	W83-250402-	0.000765	0.00061
MW-84	2025-04-10	W84-250410-	0.0005 U	0.0005 U
MW-94	2025-04-02	W94-250402-	0.0005 U	0.0005 U
MW-113	2025-04-03	W113250403-	0.0005 U	0.000591
MW-114	2025-04-03	W114250403-	0.0005 U	0.0005 U
MW-115	2025-04-09	W115250409-	0.0005 U	0.0005 U
MW-67	2025-04-14	W67-250414-	0.000526	0.00161
MW-72	2025-04-24	W72-250424-	0.000528	0.00409
MW-74R	2025-04-07	W74R250407-	0.0005 U	0.0005 U
MW-75	2025-04-07	W75-250407-	0.0005 U	0.0005 U
MW-80	2025-04-16	W80-250416-	0.0005 U	0.0005 U
MW-85	2025-04-07	W85-250407-	0.00105	0.000675
MW-86	2025-04-10	W86-250410-	0.000684	0.00064
MW-87	2025-04-24	W87-250424-	0.0005 U	0.0005 U
MW-88	2025-04-10	W88-250410-	0.0005 U	0.0005 U
MW-89	2025-04-10	W89-250410-	0.000631	0.0014
MW-100	2025-04-29	W100250429-	0.0005 U	0.000637
MW-68	2025-04-16	W68-250416-	0.0005 U	0.0005 U
MW-93	2025-04-29	W93-250429-	0.0015	0.00251
MW-95	2025-04-09	W95-250409-	0.0005 U	0.0005 U

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L
MW-EB6	2025-04-21	WEB6250421-	0.00087	0.00212
MW-30A	2025-04-21	W30A250421-	0.000648	0.00102
MW-47	2025-04-17	W47-250417-	0.0005 U	0.0005 U
MW-62	2025-04-23	W62-250423-	0.0005 U	0.0005 U
MW-102	2025-04-21	W102250421-	0.000616	0.000811
MW-103	2025-05-22	W103250522-	0.0005 U	0.00106
MW-107	2025-04-16	W107250416-	0.00188	0.00191
MW-108	2025-04-22	W108250422-	0.0005 U	0.000602
MW-109	2025-04-18	W109250418-	0.00505 U	0.00503
MW-110	2025-04-16	W110250416-	0.0005 U	0.0005 U
MW-111	2025-04-16	W111250416-	0.0005 U	0.0005 U
MW-112	2025-04-16	W112250416-	0.0005 U	0.0005 U
MW-101	2025-04-23	W101250423-	0.000663	0.000578

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
MW-59	2025-07-15	W59-250715-	0.0003 U	0.0003 U	0.378	0.418	0.00497	0.00503
MW-66	2025-07-14	W66-250714-	0.0003 U	0.0003 U	0.679	0.685	0.0038	0.00392
MW-66	2025-07-14	W66-250714D	0.0003 U	0.0003 U	0.661	0.669	0.00382	0.00381
MW-81	2025-07-14	W81-250714-	0.0003 U	0.0003 U	0.528	0.565	0.00323	0.00363
MW-83	2025-07-15	W83-250715-	0.0003 U	0.0003 U	0.345	0.33	0.0128	0.0122
MW-84	2025-07-14	W84-250714-	0.0003 U	0.0003 U	0.322	0.326	0.00491	0.00479
MW-94	2025-07-15	W94-250715-	0.0003 U	0.0003 U	0.115	0.099	0.00214	0.00213
MW-113	2025-07-14	W113250714-	0.0003 U	0.0003 U	0.525	0.504	0.00311	0.00315
MW-114	2025-07-14	W114250714-	0.0003 U	0.0003 U	0.238	0.259	0.00192	0.00196
MW-115	2025-07-14	W115250714-	0.0003 U	0.0003 U	0.166	0.169	0.00134	0.00135
MW-72	2025-07-17	W72-250717-	0.0003 U	0.0003 U	0.068	0.425	0.0118	0.0172
MW-74R	2025-07-10	W74R250710-	0.0003 U	0.0003 U	0.326	0.328	0.0155	0.0157
MW-75	2025-07-11	W75-250711-	0.0003 U	0.0003 U	0.395	0.414	0.0154	0.0151
MW-80	2025-07-28	W80-250728-	0.0003 U	0.0003 U	2.94	3.17	0.0156	0.0157
MW-85	2025-07-14	W85-250714-	0.0003 U	0.0003 U	0.72	0.696	0.00737	0.00731
MW-87	2025-07-10	W87-250710-	0.0003 U	0.0003 U	0.505	0.654	0.0268	0.0266
MW-68	2025-07-28	W68-250728-	0.0003 U	0.0003 U	4.02	23.5	0.00954	0.0102
MW-93	2025-07-15	W93-250715-	0.0003 U	0.0003 U	1.45	1.4	0.00803	0.00768
MW-30A	2025-07-28	W30A250728-	0.0003 U	0.0003 U	0.465	0.495	0.00652	0.00667
MW-30A	2025-07-28	W30A250728D	0.0003 U	0.0003 U	0.474	0.488	0.00644	0.00654
MW-47	2025-07-29	W47-250729-	0.0003 U	0.0003 U	0.811	0.865	0.0292	0.029
MW-102	2025-07-17	W102250717-	0.0003 U	0.0003 U	0.187	0.364	0.00322	0.00727
MW-103	2025-07-29	W103250729-	0.0003 U	0.0003 U	7.29	6.94	0.00725	0.00832
MW-107	2025-07-17	W107250717-	0.0003 U	0.0003 U	3.44	3.6	0.00394	0.00415
MW-109	2025-07-22	W109250722-	0.0003 U	0.0003 U	60.9	50.4	0.0155	0.022
MW-110	2025-07-21	W110250721-	0.0003 U	0.0003 U	5.57	4.96	0.0312	0.0304
MW-112	2025-07-22	W112250722-	0.0003 U	0.0003 U	2.21	2.19	0.00848	0.00848
MW-112	2025-07-22	W112250722D	0.0003 U	0.0003 U	2.15	2.2	0.00839	0.00826
MW-101	2025-07-16	W101250716-	0.0003 U	0.0003 U	11.4	11.4	0.0164	0.0185

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total	Calcium, Dissolved	Calcium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-07-15	W59-250715-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	21.3	21
MW-66	2025-07-14	W66-250714-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	17.3	16.5
MW-66	2025-07-14	W66-250714D	0.0001 U	0.0001 U	0.00005 U	0.00005 U	16.8	16.1
MW-81	2025-07-14	W81-250714-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	15.2	14.8
MW-83	2025-07-15	W83-250715-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	83.5	78.5
MW-84	2025-07-14	W84-250714-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	16.3	15.6
MW-94	2025-07-15	W94-250715-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	32.4	32.4
MW-113	2025-07-14	W113250714-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	44.2	42.8
MW-114	2025-07-14	W114250714-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	40.2	38.3
MW-115	2025-07-14	W115250714-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	33.7	32.5
MW-72	2025-07-17	W72-250717-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	31.1	32.1
MW-74R	2025-07-10	W74R250710-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	50.9	52.1
MW-75	2025-07-11	W75-250711-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	35.5	35.3
MW-80	2025-07-28	W80-250728-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	35.4	36.1
MW-85	2025-07-14	W85-250714-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	38.3	37
MW-87	2025-07-10	W87-250710-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	48.5	49
MW-68	2025-07-28	W68-250728-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	25.1	25.1
MW-93	2025-07-15	W93-250715-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	32.2	31.6
MW-30A	2025-07-28	W30A250728-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	39.3	39.6
MW-30A	2025-07-28	W30A250728D	0.0001 U	0.0001 U	0.00005 U	0.00005 U	38.6	39.6
MW-47	2025-07-29	W47-250729-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	108	108
MW-102	2025-07-17	W102250717-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	15.4	15.3
MW-103	2025-07-29	W103250729-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	22.6	22.7
MW-107	2025-07-17	W107250717-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	12.2	11.7
MW-109	2025-07-22	W109250722-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	29.2	25.3
MW-110	2025-07-21	W110250721-	0.0001 U	0.0001 U	0.000067	0.000066	75.3	76.4
MW-112	2025-07-22	W112250722-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	37.2	36.5
MW-112	2025-07-22	W112250722D	0.0001 U	0.0001 U	0.00005 U	0.00005 U	36.4	36.5
MW-101	2025-07-16	W101250716-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	47.4	47.2

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-07-15	W59-250715-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-66	2025-07-14	W66-250714-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-66	2025-07-14	W66-250714D	0.000205	0.000262	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-81	2025-07-14	W81-250714-	0.0002 U	0.000417	0.00005 U	0.000077	0.000228	0.00062
MW-83	2025-07-15	W83-250715-	0.000247	0.000242	0.00027	0.000283	0.00348	0.00335
MW-84	2025-07-14	W84-250714-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-94	2025-07-15	W94-250715-	0.000216	0.0002 U	0.000124	0.000125	0.00139	0.00137
MW-113	2025-07-14	W113250714-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-114	2025-07-14	W114250714-	0.0002 U	0.000263	0.00005 U	0.000053	0.000258	0.000261
MW-115	2025-07-14	W115250714-	0.0002 U	0.000289	0.00005 U	0.00005 U	0.00034	0.000348
MW-72	2025-07-17	W72-250717-	0.0002 U	0.000887	0.00005 U	0.000114	0.0002 U	0.00148
MW-74R	2025-07-10	W74R250710-	0.0002 U	0.0002 U	0.000637	0.000676	0.000241	0.000301
MW-75	2025-07-11	W75-250711-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-80	2025-07-28	W80-250728-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-85	2025-07-14	W85-250714-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-87	2025-07-10	W87-250710-	0.0002 U	0.0002 U	0.00013	0.000135	0.000306	0.0002 U
MW-68	2025-07-28	W68-250728-	0.000268	0.0002 U	0.000188	0.000213	0.0002 U	0.00116
MW-93	2025-07-15	W93-250715-	0.0002 U	0.0002 U	0.000117	0.000135	0.0002 U	0.0002 U
MW-30A	2025-07-28	W30A250728-	0.00065	0.000787	0.00005 U	0.000055	0.000284	0.000402
MW-30A	2025-07-28	W30A250728D	0.00069	0.000744	0.00005 U	0.00005 U	0.000275	0.000388
MW-47	2025-07-29	W47-250729-	0.0002 U	0.000295	0.000239	0.00025	0.000209	0.000223
MW-102	2025-07-17	W102250717-	0.0002 U	0.00164	0.00005 U	0.000374	0.000348	0.00164
MW-103	2025-07-29	W103250729-	0.000254	0.000539	0.000051	0.000152	0.000516	0.000904
MW-107	2025-07-17	W107250717-	0.000668	0.000722	0.00199	0.00195	0.00327	0.00436
MW-109	2025-07-22	W109250722-	0.00396	0.00797	0.000112	0.000188	0.00025	0.00938
MW-110	2025-07-21	W110250721-	0.0002 U	0.000234	0.0049	0.00449	0.000266	0.000487
MW-112	2025-07-22	W112250722-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.000204	0.000225
MW-112	2025-07-22	W112250722D	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.000208
MW-101	2025-07-16	W101250716-	0.000221	0.000788	0.00023	0.000301	0.000234	0.000335

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total	Magnesium, Dissolved	Magnesium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-07-15	W59-250715-	4.91	5.18	0.0001 U	0.0001 U	12.7	13.7
MW-66	2025-07-14	W66-250714-	0.01 U	0.0107	0.0001 U	0.0001 U	13.5	13.5
MW-66	2025-07-14	W66-250714D	0.01 U	0.0131	0.0001 U	0.0001 U	13.5	13.4
MW-81	2025-07-14	W81-250714-	0.01 U	0.123	0.0001 U	0.000151	7.69	7.74
MW-83	2025-07-15	W83-250715-	0.01 U	0.01 U	0.0001 U	0.0001 U	34.7	33.6
MW-84	2025-07-14	W84-250714-	0.01 U	0.01 U	0.0001 U	0.0001 U	11.3	11.4
MW-94	2025-07-15	W94-250715-	0.01 U	0.01 U	0.0001 U	0.0001 U	14.8	15
MW-113	2025-07-14	W113250714-	1.41	1.35	0.0001 U	0.0001 U	24.1	23.9
MW-114	2025-07-14	W114250714-	0.01 U	0.01 U	0.0001 U	0.0001 U	20	19.9
MW-115	2025-07-14	W115250714-	0.01 U	0.01 U	0.0001 U	0.0001 U	14.9	15
MW-72	2025-07-17	W72-250717-	2.75	8.11	0.0001 U	0.000482	19.3	19.3
MW-74R	2025-07-10	W74R250710-	0.294	0.327	0.0001 U	0.0001 U	38.1	39.7
MW-75	2025-07-11	W75-250711-	3.51	3.5	0.0001 U	0.0001 U	26.7	26.9
MW-80	2025-07-28	W80-250728-	2.38	2.64	0.0001 U	0.0001 U	17.3	17
MW-85	2025-07-14	W85-250714-	0.01 U	0.01 U	0.0001 U	0.0001 U	24.1	23.9
MW-87	2025-07-10	W87-250710-	5.06	5.19	0.0001 U	0.0001 U	34	34.3
MW-68	2025-07-28	W68-250728-	0.481	1.85	0.0001 U	0.0001 U	13	11.8
MW-93	2025-07-15	W93-250715-	0.01 U	0.01 U	0.0001 U	0.0001 U	17.2	17.3
MW-30A	2025-07-28	W30A250728-	0.01 U	0.0744	0.0001 U	0.0001 U	23.5	21.6
MW-30A	2025-07-28	W30A250728D	0.01 U	0.0662	0.0001 U	0.0001 U	24.1	21
MW-47	2025-07-29	W47-250729-	0.817	0.924	0.0001 U	0.0001 U	56.7	47.6
MW-102	2025-07-17	W102250717-	0.01 U	0.707	0.0001 U	0.000354	5.46	5.76
MW-103	2025-07-29	W103250729-	0.056	0.207	0.0001 U	0.000196	9.85	8.83
MW-107	2025-07-17	W107250717-	2.29	2.21	0.0001 U	0.0001 U	3.7	3.77
MW-109	2025-07-22	W109250722-	18.8	15.7	0.0001 U	0.000561	11	10.1
MW-110	2025-07-21	W110250721-	1.49	1.5	0.0001 U	0.0001 U	39.4	34.5
MW-112	2025-07-22	W112250722-	0.01 U	0.01 U	0.0001 U	0.0001 U	21.4	18.9
MW-112	2025-07-22	W112250722D	0.01 U	0.01 U	0.0001 U	0.0001 U	21.3	18.5
MW-101	2025-07-16	W101250716-	0.423	0.62	0.0001 U	0.0001 U	30.1	28.4

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total	Nickel, Dissolved	Nickel, Total
			µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-07-15	W59-250715-	126 D	130	0.00005 U	0.00005 U	0.000123	0.000132
MW-66	2025-07-14	W66-250714-	0.1 DU	0.302	0.00005 U	0.00005 U	0.000135	0.000173
MW-66	2025-07-14	W66-250714D	0.1 DU	0.479	0.00005 U	0.00005 U	0.000155	0.000234
MW-81	2025-07-14	W81-250714-	0.481 D	5.69	0.00005 U	0.00005 U	0.000142	0.000423
MW-83	2025-07-15	W83-250715-	10.9 D	10.4	0.00005 U	0.00005 U	0.00225	0.00225
MW-84	2025-07-14	W84-250714-	0.664 D	1.68	0.00005 U	0.00005 U	0.000326	0.000368
MW-94	2025-07-15	W94-250715-	0.135 D	0.113	0.00005 U	0.00005 U	0.000625	0.000621
MW-113	2025-07-14	W113250714-	453 D	452	0.00005 U	0.00005 U	0.000249	0.000263
MW-114	2025-07-14	W114250714-	0.265 D	0.273	0.00005 U	0.00005 U	0.000245	0.000303
MW-115	2025-07-14	W115250714-	0.514 D	0.662	0.00005 U	0.00005 U	0.000322	0.00045
MW-72	2025-07-17	W72-250717-	325 D	364	0.00005 U	0.00005 U	0.000112	0.000496
MW-74R	2025-07-10	W74R250710-	143	152	0.00005 U	0.00005 U	0.00183	0.00192
MW-75	2025-07-11	W75-250711-	293	294	0.00005 U	0.00005 U	0.000151	0.0001 U
MW-80	2025-07-28	W80-250728-	390	398	0.00005 U	0.00005 U	0.0001 U	0.0001 U
MW-85	2025-07-14	W85-250714-	0.1 DU	0.1 U	0.00005 U	0.00005 U	0.000219	0.000234
MW-87	2025-07-10	W87-250710-	512	512	0.00005 U	0.00005 U	0.000135	0.000137
MW-68	2025-07-28	W68-250728-	275	307	0.00005 U	0.00005 U	0.000416	0.00035
MW-93	2025-07-15	W93-250715-	290 D	289	0.00005 U	0.00005 U	0.000219	0.000268
MW-30A	2025-07-28	W30A250728-	0.123	0.984	0.00005 U	0.00005 U	0.00149	0.00152
MW-30A	2025-07-28	W30A250728D	0.187	0.97	0.00005 U	0.00005 U	0.00155	0.00154
MW-47	2025-07-29	W47-250729-	764 D	774 D	0.00005 U	0.00005 U	0.001	0.00101
MW-102	2025-07-17	W102250717-	0.232 D	12.6	0.00005 U	0.00005 U	0.000395	0.00105
MW-103	2025-07-29	W103250729-	17	57.1	0.00005 U	0.00005 U	0.000282	0.000629
MW-107	2025-07-17	W107250717-	734 D	796	0.00005 U	0.00005 U	0.00553	0.00525
MW-109	2025-07-22	W109250722-	3010 D	2650 D	0.00005 U	0.00005 U	0.00131	0.00149
MW-110	2025-07-21	W110250721-	5340 D	5250 D	0.00005 U	0.00005 U	0.00549	0.00583
MW-112	2025-07-22	W112250722-	5.05	11.3	0.00005 U	0.00005 U	0.000189	0.00017
MW-112	2025-07-22	W112250722D	5.11	10.9	0.00005 U	0.00005 U	0.00017	0.000203
MW-101	2025-07-16	W101250716-	1080 D	1140	0.00005 U	0.00005 U	0.00309	0.0034

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-07-15	W59-250715-	1.25	1.23	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-66	2025-07-14	W66-250714-	1.13	1.1	0.000912	0.00105	0.00004 U	0.00004 U
MW-66	2025-07-14	W66-250714D	1.13	1.09	0.000874	0.00099	0.00004 U	0.00004 U
MW-81	2025-07-14	W81-250714-	0.885	0.867	0.0008	0.000811	0.00004 U	0.00004 U
MW-83	2025-07-15	W83-250715-	4.24	4.02	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-84	2025-07-14	W84-250714-	1.16	1.14	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-94	2025-07-15	W94-250715-	2.91	2.89	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-113	2025-07-14	W113250714-	2.15	2.06	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-114	2025-07-14	W114250714-	2.56	2.48	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-115	2025-07-14	W115250714-	2.18	2.12	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-72	2025-07-17	W72-250717-	1.92	2.04	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-74R	2025-07-10	W74R250710-	2.29	2.34	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-75	2025-07-11	W75-250711-	2.04	2.04	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-80	2025-07-28	W80-250728-	1.74	1.94	0.0005 DU	0.0005 U	0.00004 U	0.00004 U
MW-85	2025-07-14	W85-250714-	1.77	1.72	0.000899	0.000985	0.00004 U	0.00004 U
MW-87	2025-07-10	W87-250710-	2.45	2.47	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-68	2025-07-28	W68-250728-	1.53	1.64	0.0005 DU	0.0005 U	0.00004 U	0.00004 U
MW-93	2025-07-15	W93-250715-	1.51	1.5	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-30A	2025-07-28	W30A250728-	1.77	1.91	0.0005 DU	0.0005 U	0.00004 U	0.00004 U
MW-30A	2025-07-28	W30A250728D	1.76	1.89	0.0005 DU	0.0005 U	0.00004 U	0.00004 U
MW-47	2025-07-29	W47-250729-	4.74	4.94	0.0005 DU	0.0005 U	0.00004 U	0.00004 U
MW-102	2025-07-17	W102250717-	1.08	1.23	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-103	2025-07-29	W103250729-	2.47	2.6	0.0005 DU	0.0005 U	0.00004 U	0.00004 U
MW-107	2025-07-17	W107250717-	1.67	1.74	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-109	2025-07-22	W109250722-	0.662	1.03	0.0005 DU	0.0005 U	0.00004 U	0.00004 U
MW-110	2025-07-21	W110250721-	2.99	3.11	0.0005 DU	0.0005 U	0.00004 U	0.00004 U
MW-112	2025-07-22	W112250722-	2.7	2.79	0.0005 DU	0.0005 U	0.00004 U	0.00004 U
MW-112	2025-07-22	W112250722D	2.62	2.75	0.0005 DU	0.0005 U	0.00004 U	0.00004 U
MW-101	2025-07-16	W101250716-	2.55	2.66	0.0005 U	0.0005 U	0.00004 U	0.00004 U

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total	Vanadium, Dissolved	Vanadium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-59	2025-07-15	W59-250715-	7.33	7.42	0.000075 U	0.000075 U	0.000075 U	0.000106
MW-66	2025-07-14	W66-250714-	7.72	7.88	0.000075 U	0.000075 U	0.000851	0.00082
MW-66	2025-07-14	W66-250714D	7.81	7.79	0.000075 U	0.000075 U	0.000849	0.00084
MW-81	2025-07-14	W81-250714-	7.04	7.27	0.000075 U	0.000075 U	0.00162	0.00198
MW-83	2025-07-15	W83-250715-	17.9	17.4	0.000075 U	0.000075 U	0.00102	0.000959
MW-84	2025-07-14	W84-250714-	7.25	7.52	0.000075 U	0.000075 U	0.000608	0.000572
MW-94	2025-07-15	W94-250715-	12.3	12.3	0.000075 U	0.000075 U	0.00124	0.00121
MW-113	2025-07-14	W113250714-	10.4	10.3	0.000075 U	0.000075 U	0.000121	0.000158
MW-114	2025-07-14	W114250714-	8.19	8.2	0.000075 U	0.000075 U	0.000857	0.000872
MW-115	2025-07-14	W115250714-	8.41	8.6	0.000075 U	0.000075 U	0.000676	0.000649
MW-72	2025-07-17	W72-250717-	8.82	8.86	0.000075 U	0.000075 U	0.000117	0.00051 D
MW-74R	2025-07-10	W74R250710-	13	13.6	0.000075 U	0.000075 U	0.000484	0.000542
MW-75	2025-07-11	W75-250711-	10.4	10.4	0.000075 U	0.000075 U	0.000117	0.00015
MW-80	2025-07-28	W80-250728-	9.23	8.85	0.000075 DU	0.000075 U	0.000075 U	0.000128 D
MW-85	2025-07-14	W85-250714-	10.8	10.8	0.000075 U	0.000075 U	0.00106	0.00105
MW-87	2025-07-10	W87-250710-	11.7	11.8	0.000075 U	0.000075 U	0.000145	0.000179
MW-68	2025-07-28	W68-250728-	9.11	9.04	0.000075 DU	0.000075 U	0.00034	0.000844 D
MW-93	2025-07-15	W93-250715-	9.81	10	0.000075 U	0.000075 U	0.00222	0.00225
MW-30A	2025-07-28	W30A250728-	15.2	15.2	0.000075 DU	0.000075 U	0.00214	0.0024 D
MW-30A	2025-07-28	W30A250728D	15.6	15	0.000075 DU	0.000075 U	0.0022	0.00211 D
MW-47	2025-07-29	W47-250729-	18.1	17.5	0.000075 DU	0.000075 U	0.000226	0.0002 D
MW-102	2025-07-17	W102250717-	10.4	10.1	0.000075 U	0.000075 U	0.000926	0.00205 D
MW-103	2025-07-29	W103250729-	14.3	13.5	0.000075 DU	0.000075 U	0.00183	0.00195 D
MW-107	2025-07-17	W107250717-	3.56	3.51	0.000075 U	0.000075 U	0.00184	0.00177 D
MW-109	2025-07-22	W109250722-	116	181	0.000075 DU	0.000075 U	0.0114	0.0287 D
MW-110	2025-07-21	W110250721-	31	29	0.000075 DU	0.000075 U	0.000271	0.000427 D
MW-112	2025-07-22	W112250722-	24.7	23.8	0.000075 DU	0.000075 U	0.0011	0.000976 D
MW-112	2025-07-22	W112250722D	24.6	23.7	0.000075 DU	0.000075 U	0.00112	0.00108 D
MW-101	2025-07-16	W101250716-	17.1	16.6	0.000075 U	0.000075 U	0.000327	0.000277 D

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L
MW-59	2025-07-15	W59-250715-	0.0005 DU	0.0005 U
MW-66	2025-07-14	W66-250714-	0.0005 DU	0.0005 U
MW-66	2025-07-14	W66-250714D	0.0005 DU	0.0005 U
MW-81	2025-07-14	W81-250714-	0.00102 D	0.00341
MW-83	2025-07-15	W83-250715-	0.000682 D	0.000613
MW-84	2025-07-14	W84-250714-	0.0188 D	0.00251
MW-94	2025-07-15	W94-250715-	0.0005 DU	0.0005 U
MW-113	2025-07-14	W113250714-	0.0005 DU	0.0005 U
MW-114	2025-07-14	W114250714-	0.0005 DU	0.0005 U
MW-115	2025-07-14	W115250714-	0.0005 DU	0.0005 U
MW-72	2025-07-17	W72-250717-	0.000788 D	0.0232
MW-74R	2025-07-10	W74R250710-	0.000713	0.00066
MW-75	2025-07-11	W75-250711-	0.000958	0.0005 U
MW-80	2025-07-28	W80-250728-	0.0005 U	0.0005 U
MW-85	2025-07-14	W85-250714-	0.0005 DU	0.0005 U
MW-87	2025-07-10	W87-250710-	0.0005 U	0.0005 U
MW-68	2025-07-28	W68-250728-	0.00293	0.0005 U
MW-93	2025-07-15	W93-250715-	0.000762 D	0.000946
MW-30A	2025-07-28	W30A250728-	0.000658	0.000614
MW-30A	2025-07-28	W30A250728D	0.000603	0.000609
MW-47	2025-07-29	W47-250729-	0.0005 U	0.0005 U
MW-102	2025-07-17	W102250717-	0.0005 DU	0.00187
MW-103	2025-07-29	W103250729-	0.0005 U	0.000886
MW-107	2025-07-17	W107250717-	0.0023 D	0.00242
MW-109	2025-07-22	W109250722-	0.000786	0.00126
MW-110	2025-07-21	W110250721-	0.000574	0.000737
MW-112	2025-07-22	W112250722-	0.0005 U	0.0005 U
MW-112	2025-07-22	W112250722D	0.0005 U	0.0005 U
MW-101	2025-07-16	W101250716-	0.000709 D	0.000806

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
MW-21	2025-10-02	W21-251002-	0.0003 U	0.0003 U	1.02	1.03	0.0059	0.00576
MW-24	2025-10-15	W24-251015-	0.0003 U	0.0003 U	0.587	0.578	0.00277	0.00267
MW-56	2025-10-15	W56-251015-	0.0003 U	0.0003 U	0.079	0.081	0.00721	0.00716
MW-59	2025-10-15	W59-251015-	0.0003 U	0.0003 U	0.421	0.436	0.00504	0.00502
MW-60	2025-10-15	W60-251015-	0.0003 U	0.0003 U	0.161	0.165	0.00236	0.0024
MW-64	2025-10-15	W64-251015-	0.0003 U	0.0003 U	1.35	2.28	0.00881	0.00986
MW-65	2025-10-15	W65-251015-	0.0003 U	0.0003 U	0.31	1.39	0.0086	0.00912
MW-66	2025-10-16	W66-251016-	0.0003 U	0.0003 U	0.689	0.699	0.00406	0.00407
MW-73	2025-10-02	W73-251002-	0.0003 U	0.0003 U	0.703	0.699	0.00234	0.0028
MW-76	2025-10-08	W76-251008-	0.0003 U	0.0003 U	0.219	0.231	0.00431	0.00438
MW-81	2025-10-06	W81-251006-	0.0003 U	0.0003 U	0.517	0.493	0.00332	0.00328
MW-82	2025-10-08	W82-251008-	0.0003 U	0.0003 U	0.26	0.265	0.00125	0.00151
MW-83	2025-10-09	W83-251009-	0.0003 U	0.0003 U	0.361	0.361	0.0136	0.014
MW-84	2025-10-16	W84-251016-	0.0003 U	0.0003 U	0.324	0.329	0.00511	0.00522
MW-94	2025-10-09	W94-251009-	0.0003 U	0.0003 U	0.106	0.103	0.00219	0.00218
MW-113	2025-10-08	W113251008-	0.0003 U	0.0003 U	0.546	0.541	0.00334	0.00331
MW-114	2025-10-08	W114251008-	0.0003 U	0.0003 U	0.27	0.268	0.00209	0.00215
MW-115	2025-10-08	W115251008-	0.0003 U	0.0003 U	0.182	0.181	0.00135	0.00128
MW-67	2025-10-06	W67-251006-	0.0003 U	0.0003 U	0.385	1.13	0.0108	0.0112
MW-72	2025-10-06	W72-251006-	0.0003 U	0.0003 U	0.077	0.162	0.0116	0.0132
MW-74R	2025-10-16	W74R251016-	0.0003 U	0.0003 U	0.361	0.361	0.0209	0.022
MW-75	2025-10-16	W75-251016-	0.0003 U	0.0003 U	0.397	0.404	0.0157	0.0152
MW-80	2025-10-22	W80-251022-	0.0003 U	0.0003 U	3.06	3.38	0.0157	0.0169
MW-85	2025-10-06	W85-251006-	0.0003 U	0.0003 U	0.715	0.711	0.0075	0.0072
MW-86	2025-10-06	W86-251006-	0.0003 U	0.0003 U	0.791	1.28	0.00556	0.00564
MW-87	2025-10-16	W87-251016-	0.0003 U	0.0003 U	0.558	0.592	0.027	0.027
MW-88	2025-10-02	W88-251002-	0.0003 U	0.0003 U	0.973	0.942	0.00245	0.00231
MW-89	2025-10-02	W89-251002-	0.0003 U	0.0003 U	0.664	1.04	0.00892	0.00907
MW-68	2025-10-21	W68-251021-	0.0003 U	0.0003 U	4.54	61	0.00903	0.0127
MW-93	2025-10-06	W93-251006-	0.0003 U	0.0003 U	1.45	1.45	0.00798	0.00771
MW-95	2025-10-08	W95-251008-	0.0003 U	0.0003 U	0.988	0.982	0.00509	0.00495

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	0.0003 U	0.0003 U	0.457	0.503	0.011	0.0113
MW-47	2025-10-27	W47-251027-	0.0003 U	0.0003 U	0.66	0.693	0.0301	0.0294
MW-103	2025-10-21	W103251021-	0.0003 U	0.0003 U	8.35	8	0.00744	0.00984
MW-107	2025-10-22	W107251022-	0.0003 U	0.0003 U	2.31	2.2	0.00551	0.00598
MW-110	2025-10-20	W110251020-	0.0003 U	0.0003 U	15.9	16.1	0.0332	0.0351
MW-101	2025-10-27	W101251027-	0.0003 U	0.0003 U	2.54	2.7	0.0182	0.0184
WS-OS-1	2025-10-28	WOS1251028-	--	0.0003 U	--	0.426	--	0.00239
WS-OS-2	2025-10-28	WOS2251028-	--	0.0003 U	--	0.518	--	0.00315
WS-OS-3	2025-10-28	WOS3251028-	--	0.0003 U	--	4.78	--	0.00479
WS-OS-4	2025-10-28	WOS4251028-	--	0.0003 U	--	0.931	--	0.00186

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total	Calcium, Dissolved	Calcium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-10-02	W21-251002-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	12.8	13
MW-24	2025-10-15	W24-251015-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	18.5	18.6
MW-56	2025-10-15	W56-251015-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	29.6	30.3
MW-59	2025-10-15	W59-251015-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	20.4	20.6
MW-60	2025-10-15	W60-251015-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	14.3	14.2
MW-64	2025-10-15	W64-251015-	0.0001 U	0.0001 U	0.00005 U	0.000064	15.2	15.3
MW-65	2025-10-15	W65-251015-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	15.2	15.2
MW-66	2025-10-16	W66-251016-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	16.7	16.5
MW-73	2025-10-02	W73-251002-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	11.5	11.7
MW-76	2025-10-08	W76-251008-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	23.6	23.2
MW-81	2025-10-06	W81-251006-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	14.6	14.7
MW-82	2025-10-08	W82-251008-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	31	31.4
MW-83	2025-10-09	W83-251009-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	78.7	81
MW-84	2025-10-16	W84-251016-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	16.3	16.2
MW-94	2025-10-09	W94-251009-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	30.9	32.2
MW-113	2025-10-08	W113251008-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	44.6	44.9
MW-114	2025-10-08	W114251008-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	37.7	38.1
MW-115	2025-10-08	W115251008-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	31.9	32.3
MW-67	2025-10-06	W67-251006-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	33.6	32.7
MW-72	2025-10-06	W72-251006-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	31.5	30.7
MW-74R	2025-10-16	W74R251016-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	61.1	63
MW-75	2025-10-16	W75-251016-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	35.5	34.8
MW-80	2025-10-22	W80-251022-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	35.2	34.2
MW-85	2025-10-06	W85-251006-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	37	36.2
MW-86	2025-10-06	W86-251006-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	15.6	15.8
MW-87	2025-10-16	W87-251016-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	48.4	49.2
MW-88	2025-10-02	W88-251002-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	10.1	10.2
MW-89	2025-10-02	W89-251002-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	22.2	21.7
MW-68	2025-10-21	W68-251021-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	23.8	24.9
MW-93	2025-10-06	W93-251006-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	32.5	31.7
MW-95	2025-10-08	W95-251008-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	25.7	25.1

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total	Calcium, Dissolved	Calcium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	67.3	68.7
MW-47	2025-10-27	W47-251027-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	105	107
MW-103	2025-10-21	W103251021-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	22.9	23.2
MW-107	2025-10-22	W107251022-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	15.3	15.7
MW-110	2025-10-20	W110251020-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	78.7	75.4
MW-101	2025-10-27	W101251027-	0.0001 U	0.0001 U	0.00005 U	0.00005 U	48	48.3
WS-OS-1	2025-10-28	WOS1251028-	--	0.0001 U	--	0.00005 U	--	17.2
WS-OS-2	2025-10-28	WOS2251028-	--	0.0001 U	--	0.00005 U	--	14.9
WS-OS-3	2025-10-28	WOS3251028-	--	0.0001 U	--	0.00005 U	--	18.8
WS-OS-4	2025-10-28	WOS4251028-	--	0.0001 U	--	0.00005 U	--	13.8

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-10-02	W21-251002-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-24	2025-10-15	W24-251015-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-56	2025-10-15	W56-251015-	0.000218	0.0002 U	0.000139	0.000138	0.000345	0.000348
MW-59	2025-10-15	W59-251015-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-60	2025-10-15	W60-251015-	0.00148	0.00164	0.00005 U	0.00005 U	0.000215	0.0002 U
MW-64	2025-10-15	W64-251015-	0.0002 U	0.0002 U	0.000305	0.000879	0.0002 U	0.000343
MW-65	2025-10-15	W65-251015-	0.0002 U	0.0002 U	0.00005 U	0.000054	0.00023	0.000201
MW-66	2025-10-16	W66-251016-	0.0002 U	0.000207	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-73	2025-10-02	W73-251002-	0.000249	0.000307	0.00005 U	0.00005 U	0.0002 U	0.000246
MW-76	2025-10-08	W76-251008-	0.00183	0.00193	0.000097	0.000114	0.00167	0.00175
MW-81	2025-10-06	W81-251006-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-82	2025-10-08	W82-251008-	0.000224	0.000948	0.00005 U	0.00005 U	0.000235	0.000312
MW-83	2025-10-09	W83-251009-	0.000448	0.000572	0.000295	0.000288	0.00299	0.00304
MW-84	2025-10-16	W84-251016-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-94	2025-10-09	W94-251009-	0.000239	0.000201	0.000117	0.000121	0.0012	0.00121
MW-113	2025-10-08	W113251008-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-114	2025-10-08	W114251008-	0.0002 U	0.0002 U	0.00005 U	0.000072	0.00175	0.000277
MW-115	2025-10-08	W115251008-	0.0002 U	0.000239	0.00005 U	0.00005 U	0.000298	0.000291
MW-67	2025-10-06	W67-251006-	0.0002 U	0.0002 U	0.00005 U	0.000056	0.0002 U	0.000298
MW-72	2025-10-06	W72-251006-	0.0002 U	0.000451	0.00005 U	0.00005 U	0.0002 U	0.000313
MW-74R	2025-10-16	W74R251016-	0.0002 U	0.0002 U	0.00102	0.00112	0.000211	0.000217
MW-75	2025-10-16	W75-251016-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-80	2025-10-22	W80-251022-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-85	2025-10-06	W85-251006-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-86	2025-10-06	W86-251006-	0.000242	0.0002 U	0.00005 U	0.00005 U	0.000602	0.00164
MW-87	2025-10-16	W87-251016-	0.0002 U	0.0002 U	0.000136	0.000138	0.0002 U	0.0002 U
MW-88	2025-10-02	W88-251002-	0.000708	0.000722	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-89	2025-10-02	W89-251002-	0.0002 U	0.0002 U	0.00005 U	0.00005 U	0.0002 U	0.0002 U
MW-68	2025-10-21	W68-251021-	0.0002 U	0.000213	0.000183	0.000278	0.0002 U	0.00241
MW-93	2025-10-06	W93-251006-	0.0002 U	0.0002 U	0.000111	0.000135	0.0002 U	0.0002 U
MW-95	2025-10-08	W95-251008-	0.0002 U	0.0002 U	0.000068	0.00007	0.0002 U	0.0002 U

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	0.000371	0.000528	0.000063	0.000116	0.000784	0.00107
MW-47	2025-10-27	W47-251027-	0.0002 U	0.0002 U	0.000229	0.000226	0.0002 U	0.0002 U
MW-103	2025-10-21	W103251021-	0.0002 U	0.000673	0.00005 U	0.000158	0.000279	0.00092
MW-107	2025-10-22	W107251022-	0.000525	0.00053	0.00209	0.00204	0.00376	0.00697
MW-110	2025-10-20	W110251020-	0.0002 U	0.0002 U	0.0043	0.00432	0.0002 U	0.000264
MW-101	2025-10-27	W101251027-	0.0002 U	0.0002 U	0.000189	0.000189	0.000344	0.000364
WS-OS-1	2025-10-28	WOS1251028-	--	0.0002 U	--	0.00005 U	--	0.00232
WS-OS-2	2025-10-28	WOS2251028-	--	0.000263	--	0.000085	--	0.0411
WS-OS-3	2025-10-28	WOS3251028-	--	0.0002 U	--	0.00005 U	--	0.000977
WS-OS-4	2025-10-28	WOS4251028-	--	0.000423	--	0.00005 U	--	0.00296

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total	Magnesium, Dissolved	Magnesium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-10-02	W21-251002-	2.74	2.86	0.0001 U	0.0001 U	7.22	7.07
MW-24	2025-10-15	W24-251015-	3.72	3.74	0.0001 U	0.0001 U	12.4	12.2
MW-56	2025-10-15	W56-251015-	0.0553	0.0614	0.0001 U	0.0001 U	15.8	15.9
MW-59	2025-10-15	W59-251015-	4.77	4.86	0.0001 U	0.0001 U	13	13
MW-60	2025-10-15	W60-251015-	0.0216	0.0399	0.0001 U	0.0001 U	7.02	6.87
MW-64	2025-10-15	W64-251015-	0.138	0.477	0.0001 U	0.0001 U	9.42	9.41
MW-65	2025-10-15	W65-251015-	4.3	7.17	0.0001 U	0.0001 U	9.51	9.45
MW-66	2025-10-16	W66-251016-	0.01 U	0.01 U	0.0001 U	0.0001 U	13.6	13.4
MW-73	2025-10-02	W73-251002-	0.01 U	0.0595	0.0001 U	0.000107	6.16	5.83
MW-76	2025-10-08	W76-251008-	0.01 U	0.0404	0.0001 U	0.0001 U	10.4	10.6
MW-81	2025-10-06	W81-251006-	0.01 U	0.01 U	0.0001 U	0.0001 U	8.05	8.16
MW-82	2025-10-08	W82-251008-	0.01 U	0.0439	0.0001 U	0.0001 U	18.6	18.4
MW-83	2025-10-09	W83-251009-	0.01 U	0.01 U	0.0001 U	0.0001 U	33.2	33
MW-84	2025-10-16	W84-251016-	0.01 U	0.01 U	0.0001 U	0.0001 U	12.8	12.5
MW-94	2025-10-09	W94-251009-	0.01 U	0.01 U	0.0001 U	0.0001 U	14.1	14.3
MW-113	2025-10-08	W113251008-	1.47	1.48	0.0001 U	0.0001 U	24.2	24
MW-114	2025-10-08	W114251008-	0.01 U	0.01 U	0.0001 U	0.0001 U	18.8	19.2
MW-115	2025-10-08	W115251008-	0.01 U	0.01 U	0.0001 U	0.0001 U	14.1	14.6
MW-67	2025-10-06	W67-251006-	0.411	1.28	0.0001 U	0.0001 U	20.5	20.7
MW-72	2025-10-06	W72-251006-	2.62	4.79	0.0001 U	0.0001 U	19.1	18.9
MW-74R	2025-10-16	W74R251016-	0.836	0.939	0.0001 U	0.0001 U	45	46.3
MW-75	2025-10-16	W75-251016-	3.25	3.26	0.0001 U	0.0001 U	25.9	25.7
MW-80	2025-10-22	W80-251022-	2.48	2.65	0.0001 U	0.0001 U	18.4	17.8
MW-85	2025-10-06	W85-251006-	0.01 U	0.01 U	0.0001 U	0.0001 U	23.2	22.6
MW-86	2025-10-06	W86-251006-	0.976	1.3	0.0001 U	0.0001 U	11.2	11.3
MW-87	2025-10-16	W87-251016-	4.92	5.02	0.0001 U	0.0001 U	33.1	33.2
MW-88	2025-10-02	W88-251002-	0.01 U	0.01 U	0.0001 U	0.0001 U	7.62	7.63
MW-89	2025-10-02	W89-251002-	1.57	2.4	0.0001 U	0.0001 U	15.6	15.6
MW-68	2025-10-21	W68-251021-	0.363	3.98	0.0001 U	0.0001 U	13.7	13.5
MW-93	2025-10-06	W93-251006-	0.01 U	0.01 U	0.0001 U	0.0001 U	17.1	16.8
MW-95	2025-10-08	W95-251008-	0.01 U	0.01 U	0.0001 U	0.0001 U	13.7	13.8

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total	Magnesium, Dissolved	Magnesium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	0.0107	0.136	0.0001 U	0.0001 U	41.9	42.3
MW-47	2025-10-27	W47-251027-	0.502	0.523	0.0001 U	0.0001 U	54.6	53.8
MW-103	2025-10-21	W103251021-	0.01 U	0.233	0.0001 U	0.00022	10.2	9.84
MW-107	2025-10-22	W107251022-	2.25	2.13	0.0001 U	0.000135	5.27	5.07
MW-110	2025-10-20	W110251020-	3.77	3.68	0.0001 U	0.0001 U	38	36.9
MW-101	2025-10-27	W101251027-	0.0689	0.0983	0.0001 U	0.0001 U	29.5	29.5
WS-OS-1	2025-10-28	WOS1251028-	--	0.0115	--	0.0001 U	--	9.06
WS-OS-2	2025-10-28	WOS2251028-	--	0.158	--	0.00297	--	7.97
WS-OS-3	2025-10-28	WOS3251028-	--	0.011	--	0.0001 U	--	5.43
WS-OS-4	2025-10-28	WOS4251028-	--	0.01 U	--	0.0001 U	--	9.52

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total	Nickel, Dissolved	Nickel, Total
			µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-10-02	W21-251002-	122	124	0.00005 U	0.00005 U	0.0001 U	0.0001 U
MW-24	2025-10-15	W24-251015-	121	124	0.00005 U	0.00005 U	0.000105	0.000113
MW-56	2025-10-15	W56-251015-	211	219	0.00005 U	0.00005 U	0.00117	0.00113
MW-59	2025-10-15	W59-251015-	112	116	0.00005 U	0.00005 U	0.000125	0.000137
MW-60	2025-10-15	W60-251015-	0.983	1.16	0.00005 U	0.00005 U	0.000451	0.000455
MW-64	2025-10-15	W64-251015-	142	224	0.00005 U	0.00005 U	0.00132	0.00213
MW-65	2025-10-15	W65-251015-	266	333	0.00005 U	0.00005 U	0.000149	0.000276
MW-66	2025-10-16	W66-251016-	0.1 U	0.263	0.00005 U	0.00005 U	0.00016	0.00019
MW-73	2025-10-02	W73-251002-	0.207	2.39	0.00005 U	0.00005 U	0.000229	0.000307
MW-76	2025-10-08	W76-251008-	0.1 U	0.849	0.00005 U	0.00005 U	0.000497	0.000567
MW-81	2025-10-06	W81-251006-	0.1 U	0.1 U	0.00005 U	0.00005 U	0.000115	0.000135
MW-82	2025-10-08	W82-251008-	0.123	0.876	0.00005 U	0.00005 U	0.000479	0.00252
MW-83	2025-10-09	W83-251009-	2.22	11.8	0.00005 U	0.00005 U	0.0019	0.00185
MW-84	2025-10-16	W84-251016-	0.513	0.729	0.00005 U	0.00005 U	0.000418	0.000362
MW-94	2025-10-09	W94-251009-	0.1 U	0.17	0.00005 U	0.00005 U	0.000645	0.000569
MW-113	2025-10-08	W113251008-	480	489	0.00005 U	0.00005 U	0.000286	0.000252
MW-114	2025-10-08	W114251008-	0.249	0.483	0.00005 U	0.00005 U	0.000248	0.000255
MW-115	2025-10-08	W115251008-	0.623	0.779	0.00005 U	0.00005 U	0.000315	0.000345
MW-67	2025-10-06	W67-251006-	169	218	0.00005 U	0.00005 U	0.000254	0.000384
MW-72	2025-10-06	W72-251006-	331	336	0.00005 U	0.00005 U	0.000122	0.000288
MW-74R	2025-10-16	W74R251016-	252	283	0.00005 U	0.00005 U	0.00217	0.00223
MW-75	2025-10-16	W75-251016-	301	307	0.00005 U	0.00005 U	0.0001 U	0.0001 U
MW-80	2025-10-22	W80-251022-	401	396	0.00005 U	0.00005 U	0.0001 U	0.0001 U
MW-85	2025-10-06	W85-251006-	0.1 U	0.1 U	0.00005 U	0.00005 U	0.000236	0.000233
MW-86	2025-10-06	W86-251006-	9.99	10.2	0.00005 U	0.00005 U	0.000157	0.0001 U
MW-87	2025-10-16	W87-251016-	541 D	538 D	0.00005 U	0.00005 U	0.000172	0.000155
MW-88	2025-10-02	W88-251002-	0.1 U	0.1 U	0.00005 U	0.00005 U	0.000127	0.000164
MW-89	2025-10-02	W89-251002-	368	376	0.00005 U	0.00005 U	0.0001 U	0.0001 U
MW-68	2025-10-21	W68-251021-	274	336	0.00005 U	0.00005 U	0.000321	0.000466
MW-93	2025-10-06	W93-251006-	286	298	0.00005 U	0.00005 U	0.000233	0.000257
MW-95	2025-10-08	W95-251008-	186	191	0.00005 U	0.00005 U	0.000201	0.000195

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total	Nickel, Dissolved	Nickel, Total
			µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	1.53	2.97	0.00005 U	0.00005 U	0.00385	0.00408
MW-47	2025-10-27	W47-251027-	736	722	0.00005 U	0.00005 U	0.00117	0.00119
MW-103	2025-10-21	W103251021-	0.676	34.8	0.00005 U	0.00005 U	0.0001 U	0.000547
MW-107	2025-10-22	W107251022-	849	878 D	0.00005 U	0.00005 U	0.00578	0.00575
MW-110	2025-10-20	W110251020-	5120	5370 D	0.00005 U	0.00005 U	0.00306	0.00326
MW-101	2025-10-27	W101251027-	792	801	0.00005 U	0.00005 U	0.00288	0.00291
WS-OS-1	2025-10-28	WOS1251028-	--	0.266	--	0.00005 U	--	0.000103
WS-OS-2	2025-10-28	WOS2251028-	--	43.1	--	0.00005 U	--	0.000451
WS-OS-3	2025-10-28	WOS3251028-	--	38.5	--	0.00005 U	--	0.0001 U
WS-OS-4	2025-10-28	WOS4251028-	--	0.205	--	0.00005 U	--	0.000331

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-10-02	W21-251002-	1.16	1.06	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-24	2025-10-15	W24-251015-	1.21	1.22	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-56	2025-10-15	W56-251015-	1.57	1.59	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-59	2025-10-15	W59-251015-	1.31	1.36	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-60	2025-10-15	W60-251015-	1.09	1.06	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-64	2025-10-15	W64-251015-	1.29	1.33	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-65	2025-10-15	W65-251015-	1.05	1.05	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-66	2025-10-16	W66-251016-	1.17	1.15	0.000903	0.000907	0.00004 U	0.00004 U
MW-73	2025-10-02	W73-251002-	0.804	0.749	0.0005 U	0.000558	0.00004 U	0.00004 U
MW-76	2025-10-08	W76-251008-	1.61	1.63	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-81	2025-10-06	W81-251006-	0.877	0.816	0.000762	0.000723	0.00004 U	0.00004 U
MW-82	2025-10-08	W82-251008-	2.01	1.99	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-83	2025-10-09	W83-251009-	4.27	4.27	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-84	2025-10-16	W84-251016-	1.25	1.25	0.000517	0.000521	0.00004 U	0.00004 U
MW-94	2025-10-09	W94-251009-	2.95	3	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-113	2025-10-08	W113251008-	2.27	2.21	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-114	2025-10-08	W114251008-	2.59	2.61	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-115	2025-10-08	W115251008-	2.19	2.19	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-67	2025-10-06	W67-251006-	1.76	1.58	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-72	2025-10-06	W72-251006-	2	1.84	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-74R	2025-10-16	W74R251016-	2.79	2.84	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-75	2025-10-16	W75-251016-	2.17	2.15	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-80	2025-10-22	W80-251022-	1.83	1.8	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-85	2025-10-06	W85-251006-	1.85	1.61	0.000857	0.000882	0.00004 U	0.00004 U
MW-86	2025-10-06	W86-251006-	1.33	1.19	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-87	2025-10-16	W87-251016-	2.58	2.53	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-88	2025-10-02	W88-251002-	0.894	0.844	0.000522	0.000606	0.00004 U	0.00004 U
MW-89	2025-10-02	W89-251002-	1.88	1.69	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-68	2025-10-21	W68-251021-	1.56	1.62	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-93	2025-10-06	W93-251006-	1.6	1.45	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-95	2025-10-08	W95-251008-	1.37	1.32	0.0005 U	0.0005 U	0.00004 U	0.00004 U

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	2.35	2.39	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-47	2025-10-27	W47-251027-	4.97	5.09	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-103	2025-10-21	W103251021-	2.68	2.62	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-107	2025-10-22	W107251022-	2.15	2.1	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-110	2025-10-20	W110251020-	3.53	3.46	0.0005 U	0.0005 U	0.00004 U	0.00004 U
MW-101	2025-10-27	W101251027-	2.76	2.77	0.0005 U	0.0005 U	0.00004 U	0.00004 U
WS-OS-1	2025-10-28	WOS1251028-	--	0.891	--	0.000594	--	0.00004 U
WS-OS-2	2025-10-28	WOS2251028-	--	1.07	--	0.0005 U	--	0.00004 U
WS-OS-3	2025-10-28	WOS3251028-	--	1.74	--	0.0005 U	--	0.00004 U
WS-OS-4	2025-10-28	WOS4251028-	--	0.978	--	0.00143	--	0.00004 U

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total	Tin, Dissolved	Tin, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-21	2025-10-02	W21-251002-	6.34	6.24	0.000075 DU	0.000075 U	--	--
MW-24	2025-10-15	W24-251015-	6.74	6.72	0.000075 DU	0.000075 U	--	--
MW-56	2025-10-15	W56-251015-	7.69	7.77	0.000075 DU	0.000075 U	--	--
MW-59	2025-10-15	W59-251015-	7.02	7.12	0.000075 DU	0.000075 U	--	--
MW-60	2025-10-15	W60-251015-	5.1	4.99	0.000075 DU	0.000075 DU	--	--
MW-64	2025-10-15	W64-251015-	6.52	6.59	0.000075 DU	0.000075 U	--	--
MW-65	2025-10-15	W65-251015-	6.28	6.4	0.000075 DU	0.000075 U	--	--
MW-66	2025-10-16	W66-251016-	7.73	7.71	0.000075 U	0.000075 U	--	--
MW-73	2025-10-02	W73-251002-	5.83	5.62	0.000075 DU	0.000075 U	--	--
MW-76	2025-10-08	W76-251008-	13.5	13.8	0.000075 DU	0.000075 U	--	--
MW-81	2025-10-06	W81-251006-	6.95	6.79	0.000075 DU	0.000075 U	--	--
MW-82	2025-10-08	W82-251008-	8.73	8.64	0.000075 DU	0.000075 U	--	--
MW-83	2025-10-09	W83-251009-	16.8	16.9	0.000075 DU	0.000075 U	--	--
MW-84	2025-10-16	W84-251016-	7.5	7.37	0.000075 DU	0.000075 U	--	--
MW-94	2025-10-09	W94-251009-	11.5	11.4	0.000075 DU	0.000075 U	--	--
MW-113	2025-10-08	W113251008-	10.1	10.2	0.000075 DU	0.000075 U	--	--
MW-114	2025-10-08	W114251008-	7.75	7.85	0.000075 DU	0.000075 U	--	--
MW-115	2025-10-08	W115251008-	8.06	8.22	0.000075 DU	0.000075 U	--	--
MW-67	2025-10-06	W67-251006-	9.68	9.44	0.000075 DU	0.000075 U	--	--
MW-72	2025-10-06	W72-251006-	8.88	8.49	0.000075 DU	0.000075 U	--	--
MW-74R	2025-10-16	W74R251016-	13.7	14	0.000075 DU	0.000075 U	--	--
MW-75	2025-10-16	W75-251016-	10	10.2	0.000075 DU	0.000075 U	--	--
MW-80	2025-10-22	W80-251022-	8.69	8.6	0.000075 U	0.000075 U	--	--
MW-85	2025-10-06	W85-251006-	10.4	9.97	0.000075 DU	0.000075 U	--	--
MW-86	2025-10-06	W86-251006-	7.28	7.12	0.000075 DU	0.000075 U	--	--
MW-87	2025-10-16	W87-251016-	11.5	11.3	0.000075 DU	0.000075 U	--	--
MW-88	2025-10-02	W88-251002-	6.25	6.15	0.000075 DU	0.000075 U	--	--
MW-89	2025-10-02	W89-251002-	9.42	9.31	0.000075 DU	0.000075 U	--	--
MW-68	2025-10-21	W68-251021-	8.67	8.54	0.000075 U	0.000075 U	--	--
MW-93	2025-10-06	W93-251006-	9.85	9.45	0.000075 DU	0.000075 U	--	--
MW-95	2025-10-08	W95-251008-	6.9	6.8	0.000075 DU	0.000075 U	--	--

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total	Tin, Dissolved	Tin, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	17.4	17.5	0.000075 U	0.000075 U	0.0005 U	0.0005 U
MW-47	2025-10-27	W47-251027-	17.3	17.4	0.000075 U	0.000075 U	0.0005 U	0.0005 U
MW-103	2025-10-21	W103251021-	9.74	9.47	0.000075 U	0.000075 U	--	--
MW-107	2025-10-22	W107251022-	4.24	4.15	0.000075 U	0.000075 U	--	--
MW-110	2025-10-20	W110251020-	16	15.5	0.000075 U	0.000075 U	--	--
MW-101	2025-10-27	W101251027-	16.5	16.3	0.000075 U	0.000075 U	0.0005 U	0.0005 U
WS-OS-1	2025-10-28	WOS1251028-	--	7.1	--	0.000075 U	--	--
WS-OS-2	2025-10-28	WOS2251028-	--	6.74	--	0.000075 U	--	--
WS-OS-3	2025-10-28	WOS3251028-	--	30.9	--	0.000075 U	--	--
WS-OS-4	2025-10-28	WOS4251028-	--	6.76	--	0.000075 U	--	--

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L
MW-21	2025-10-02	W21-251002-	0.000075 U	0.000075 DU	0.0005 U	0.0005 U
MW-24	2025-10-15	W24-251015-	0.000075 U	0.000075 U	0.0005 U	0.0005 U
MW-56	2025-10-15	W56-251015-	0.00024	0.000285	0.00144	0.0014
MW-59	2025-10-15	W59-251015-	0.000075 U	0.000075 U	0.00051	0.0005 U
MW-60	2025-10-15	W60-251015-	0.000403	0.000453	0.0005 U	0.0005 U
MW-64	2025-10-15	W64-251015-	0.000221	0.000425	0.0005 U	0.000928
MW-65	2025-10-15	W65-251015-	0.000075 U	0.000075 U	0.000574	0.00163
MW-66	2025-10-16	W66-251016-	0.000668	0.000705	0.0005 U	0.0005 U
MW-73	2025-10-02	W73-251002-	0.0012	0.00126 D	0.0005 U	0.0005 U
MW-76	2025-10-08	W76-251008-	0.000611	0.000697	0.000516	0.000545
MW-81	2025-10-06	W81-251006-	0.00157	0.00153 D	0.0005 U	0.0005 U
MW-82	2025-10-08	W82-251008-	0.00132	0.00136	0.0005 U	0.000867
MW-83	2025-10-09	W83-251009-	0.0009	0.000941	0.000562	0.0005 U
MW-84	2025-10-16	W84-251016-	0.000484	0.000516	0.00325	0.0032
MW-94	2025-10-09	W94-251009-	0.00112	0.00112	0.0005 U	0.0005 U
MW-113	2025-10-08	W113251008-	0.000075 U	0.000075 U	0.0005 U	0.0005 U
MW-114	2025-10-08	W114251008-	0.000733	0.000753	0.00115	0.0005 U
MW-115	2025-10-08	W115251008-	0.000574	0.000591	0.0005 U	0.0005 U
MW-67	2025-10-06	W67-251006-	0.000261	0.000622 D	0.00192	0.00296
MW-72	2025-10-06	W72-251006-	0.000075 U	0.000127 D	0.000565	0.00562
MW-74R	2025-10-16	W74R251016-	0.000351	0.000342	0.000672	0.00071
MW-75	2025-10-16	W75-251016-	0.000075 U	0.000075 U	0.0005 U	0.0005 U
MW-80	2025-10-22	W80-251022-	0.000075 U	0.000075 DU	0.0005 U	0.0005 U
MW-85	2025-10-06	W85-251006-	0.000958	0.000916 D	0.0005 U	0.0005 U
MW-86	2025-10-06	W86-251006-	0.000075 U	0.000075 DU	0.0005 U	0.000669
MW-87	2025-10-16	W87-251016-	0.000075 U	0.000075 U	0.0005 U	0.0005 U
MW-88	2025-10-02	W88-251002-	0.00256	0.00265 D	0.0005 U	0.0005 U
MW-89	2025-10-02	W89-251002-	0.000075 U	0.000075 DU	0.000504	0.00129
MW-68	2025-10-21	W68-251021-	0.000208	0.00175 D	0.0005 U	0.000756
MW-93	2025-10-06	W93-251006-	0.00216	0.00216 D	0.000652	0.000805
MW-95	2025-10-08	W95-251008-	0.000288	0.00028	0.0005 U	0.0005 U

Table A-5
Groundwater – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	0.00219 D	0.00243 D	0.00132	0.00121
MW-47	2025-10-27	W47-251027-	0.000175 D	0.000156 D	0.0005 U	0.0005 U
MW-103	2025-10-21	W103251021-	0.00226	0.00248 D	0.0005 U	0.0011
MW-107	2025-10-22	W107251022-	0.00168	0.00172 D	0.00268	0.00249
MW-110	2025-10-20	W110251020-	0.000288	0.000283 D	0.00054	0.000541
MW-101	2025-10-27	W101251027-	0.000368 D	0.000352 D	0.0005 U	0.0005 U
WS-OS-1	2025-10-28	WOS1251028-	--	0.00189 D	--	0.0158
WS-OS-2	2025-10-28	WOS2251028-	--	0.00217 D	--	0.114
WS-OS-3	2025-10-28	WOS3251028-	--	0.000149 D	--	0.00201
WS-OS-4	2025-10-28	WOS4251028-	--	0.00138 D	--	0.00238

-- : Not part of sampling program.

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-01-07	W59-250107-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-66	2025-01-08	W66-250108-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-81	2025-01-14	W81-250114-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-83	2025-01-13	W83-250113-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-84	2025-01-08	W84-250108-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-94	2025-01-13	W94-250113-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-113	2025-01-08	W113250108-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-114	2025-01-14	W114250114-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-115	2025-01-07	W115250107-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-72	2025-01-13	W72-250113-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-74R	2025-01-13	W74R250113-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-75	2025-01-18	W75-250108-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-80	2025-01-21	W80-250121-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-85	2025-01-14	W85-250114-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-87	2025-01-13	W87-250113-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-68	2025-01-21	W68-250121-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-EB6	2025-01-21	WEB6250121-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-30A	2025-01-14	W30A250114-	1.82	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-47	2025-01-15	W47-250115-	0.583	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-62	2025-01-13	W62-250113-	0.16 JT	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-102	2025-01-16	W102250116-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-103	2025-03-25	W103250325-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-107	2025-01-21	W107250121-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-108	2025-01-16	W108250116-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-109	2025-01-15	W109250115-	1 U	1 U	1 U	1 U	2 U	1 U
MW-110	2025-01-16	W110250116-	0.246	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-111	2025-01-16	W111250116-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-112	2025-01-21	W112250121-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-101	2025-01-08	W101250108-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-01-07	W59-250107-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-66	2025-01-08	W66-250108-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-81	2025-01-14	W81-250114-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-83	2025-01-13	W83-250113-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-84	2025-01-08	W84-250108-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-94	2025-01-13	W94-250113-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-113	2025-01-08	W113250108-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-114	2025-01-14	W114250114-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-115	2025-01-07	W115250107-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-72	2025-01-13	W72-250113-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-74R	2025-01-13	W74R250113-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-75	2025-01-18	W75-250108-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-80	2025-01-21	W80-250121-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-85	2025-01-14	W85-250114-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-87	2025-01-13	W87-250113-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-68	2025-01-21	W68-250121-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-EB6	2025-01-21	WEB6250121-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-30A	2025-01-14	W30A250114-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-47	2025-01-15	W47-250115-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-62	2025-01-13	W62-250113-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-102	2025-01-16	W102250116-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-103	2025-03-25	W103250325-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-107	2025-01-21	W107250121-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-108	2025-01-16	W108250116-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-109	2025-01-15	W109250115-	2 U	2 U	2 U	1 U	1 U	1 U
MW-110	2025-01-16	W110250116-	0.2 U	0.2 U	0.2 U	0.731	0.18 JT	0.22
MW-111	2025-01-16	W111250116-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-112	2025-01-21	W112250121-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-101	2025-01-08	W101250108-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-01-07	W59-250107-	0.2 U	--	--	0.1 U	4 U	4 U
MW-66	2025-01-08	W66-250108-	0.2 U	--	--	0.1 U	4 U	4 U
MW-81	2025-01-14	W81-250114-	0.2 U	--	--	0.1 U	4 U	4 U
MW-83	2025-01-13	W83-250113-	0.2 U	--	--	0.1 U	4 U	4 U
MW-84	2025-01-08	W84-250108-	0.2 U	--	--	0.1 U	4 U	4 U
MW-94	2025-01-13	W94-250113-	0.2 U	--	--	0.1 U	4 U	4 U
MW-113	2025-01-08	W113250108-	0.2 U	--	--	0.1 U	4 U	4 U
MW-114	2025-01-14	W114250114-	0.2 U	--	--	0.1 U	4 U	4 U
MW-115	2025-01-07	W115250107-	0.2 U	--	--	0.1 U	4 U	4 U
MW-72	2025-01-13	W72-250113-	0.2 U	--	--	0.1 U	4 U	4 U
MW-74R	2025-01-13	W74R250113-	0.2 U	--	--	0.1 U	4 U	4 U
MW-75	2025-01-18	W75-250108-	0.2 U	--	--	0.1 U	4 U	4 U
MW-80	2025-01-21	W80-250121-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-85	2025-01-14	W85-250114-	0.2 U	--	--	0.1 U	4 U	4 U
MW-87	2025-01-13	W87-250113-	0.2 U	--	--	0.1 U	4 U	4 U
MW-68	2025-01-21	W68-250121-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-EB6	2025-01-21	WEB6250121-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-30A	2025-01-14	W30A250114-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-47	2025-01-15	W47-250115-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-62	2025-01-13	W62-250113-	0.2 U	--	--	0.1 U	4 U	4 U
MW-102	2025-01-16	W102250116-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-103	2025-03-25	W103250325-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-107	2025-01-21	W107250121-	0.2 U	0.1 U	0.1 U	0.17 JT	4 U	4 U
MW-108	2025-01-16	W108250116-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-109	2025-01-15	W109250115-	2 U	1 U	1 U	1 U	40 U	40 U
MW-110	2025-01-16	W110250116-	0.2 U	0.1 U	0.1 U	0.14 JT	4 U	4 U
MW-111	2025-01-16	W111250116-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-112	2025-01-21	W112250121-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-101	2025-01-08	W101250108-	0.2 U	--	--	0.1 U	4 U	4 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-01-07	W59-250107-	--	--	--	4 U	4 U	--
MW-66	2025-01-08	W66-250108-	--	--	--	4 U	4 U	--
MW-81	2025-01-14	W81-250114-	--	--	--	4 U	4 U	--
MW-83	2025-01-13	W83-250113-	--	--	--	4 U	4 U	--
MW-84	2025-01-08	W84-250108-	--	--	--	4 U	4 U	--
MW-94	2025-01-13	W94-250113-	--	--	--	4 U	4 U	--
MW-113	2025-01-08	W113250108-	--	--	--	4 U	4 U	--
MW-114	2025-01-14	W114250114-	--	--	--	4 U	4 U	--
MW-115	2025-01-07	W115250107-	--	--	--	4 U	4 U	--
MW-72	2025-01-13	W72-250113-	--	--	--	4 U	4 U	--
MW-74R	2025-01-13	W74R250113-	--	--	--	4 U	4 U	--
MW-75	2025-01-18	W75-250108-	--	--	--	4 U	4 U	--
MW-80	2025-01-21	W80-250121-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-85	2025-01-14	W85-250114-	--	--	--	4 U	4 U	--
MW-87	2025-01-13	W87-250113-	--	--	--	4 U	4 U	--
MW-68	2025-01-21	W68-250121-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-EB6	2025-01-21	WEB6250121-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-30A	2025-01-14	W30A250114-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-47	2025-01-15	W47-250115-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-62	2025-01-13	W62-250113-	--	--	--	4 U	4 U	--
MW-102	2025-01-16	W102250116-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-103	2025-03-25	W103250325-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-107	2025-01-21	W107250121-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-108	2025-01-16	W108250116-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-109	2025-01-15	W109250115-	50 DU	2 U	1 U	40 U	40 U	100 DU
MW-110	2025-01-16	W110250116-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-111	2025-01-16	W111250116-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-112	2025-01-21	W112250121-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-101	2025-01-08	W101250108-	--	--	--	4 U	4 U	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-01-07	W59-250107-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-66	2025-01-08	W66-250108-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-81	2025-01-14	W81-250114-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-83	2025-01-13	W83-250113-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-84	2025-01-08	W84-250108-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-94	2025-01-13	W94-250113-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-113	2025-01-08	W113250108-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-114	2025-01-14	W114250114-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-115	2025-01-07	W115250107-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-72	2025-01-13	W72-250113-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-74R	2025-01-13	W74R250113-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-75	2025-01-18	W75-250108-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-80	2025-01-21	W80-250121-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-85	2025-01-14	W85-250114-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-87	2025-01-13	W87-250113-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-68	2025-01-21	W68-250121-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-EB6	2025-01-21	WEB6250121-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-30A	2025-01-14	W30A250114-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-47	2025-01-15	W47-250115-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-62	2025-01-13	W62-250113-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-102	2025-01-16	W102250116-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-103	2025-03-25	W103250325-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-107	2025-01-21	W107250121-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-108	2025-01-16	W108250116-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-109	2025-01-15	W109250115-	25 U	0.5 DU	1 U	1 U	2 U	2 U
MW-110	2025-01-16	W110250116-	2.5 U	0.05 DU	0.311	0.1 U	0.2 U	0.2 U
MW-111	2025-01-16	W111250116-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-112	2025-01-21	W112250121-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-101	2025-01-08	W101250108-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-01-07	W59-250107-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-66	2025-01-08	W66-250108-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-81	2025-01-14	W81-250114-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-83	2025-01-13	W83-250113-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-84	2025-01-08	W84-250108-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-94	2025-01-13	W94-250113-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-113	2025-01-08	W113250108-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-114	2025-01-14	W114250114-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-115	2025-01-07	W115250107-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-72	2025-01-13	W72-250113-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-74R	2025-01-13	W74R250113-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-75	2025-01-18	W75-250108-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-80	2025-01-21	W80-250121-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-85	2025-01-14	W85-250114-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-87	2025-01-13	W87-250113-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-68	2025-01-21	W68-250121-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-EB6	2025-01-21	WEB6250121-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-30A	2025-01-14	W30A250114-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-47	2025-01-15	W47-250115-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.203
MW-62	2025-01-13	W62-250113-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-102	2025-01-16	W102250116-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-103	2025-03-25	W103250325-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-107	2025-01-21	W107250121-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-108	2025-01-16	W108250116-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-109	2025-01-15	W109250115-	1 U	1 U	2 U	1 U	2 U	1 U
MW-110	2025-01-16	W110250116-	0.1 U	0.1 U	0.2 U	0.515	0.2 U	0.1 JT
MW-111	2025-01-16	W111250116-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-112	2025-01-21	W112250121-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-101	2025-01-08	W101250108-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-01-07	W59-250107-	0.1 U	0.2 U	--	1.67	0.2 U	0.1 U
MW-66	2025-01-08	W66-250108-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-81	2025-01-14	W81-250114-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-83	2025-01-13	W83-250113-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-84	2025-01-08	W84-250108-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-94	2025-01-13	W94-250113-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-113	2025-01-08	W113250108-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-114	2025-01-14	W114250114-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-115	2025-01-07	W115250107-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-72	2025-01-13	W72-250113-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-74R	2025-01-13	W74R250113-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-75	2025-01-18	W75-250108-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-80	2025-01-21	W80-250121-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-85	2025-01-14	W85-250114-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-87	2025-01-13	W87-250113-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-68	2025-01-21	W68-250121-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-EB6	2025-01-21	WEB6250121-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-30A	2025-01-14	W30A250114-	0.1 U	0.2 U	0.2 U	2.19	0.2 U	0.1 U
MW-47	2025-01-15	W47-250115-	0.1 U	0.2 U	0.2 U	1.93	0.2 U	0.1 U
MW-62	2025-01-13	W62-250113-	0.1 U	0.2 U	--	0.341	0.2 U	0.1 U
MW-102	2025-01-16	W102250116-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-103	2025-03-25	W103250325-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-107	2025-01-21	W107250121-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-108	2025-01-16	W108250116-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-109	2025-01-15	W109250115-	1 U	2 U	2 U	1 U	2 U	1 U
MW-110	2025-01-16	W110250116-	0.1 U	0.2 U	0.2 U	4.08	0.2 U	0.1 U
MW-111	2025-01-16	W111250116-	0.1 U	0.2 U	0.2 U	0.17 JT	0.2 U	0.1 U
MW-112	2025-01-21	W112250121-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-101	2025-01-08	W101250108-	0.1 U	0.2 U	--	0.13 JT	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-01-07	W59-250107-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-66	2025-01-08	W66-250108-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-81	2025-01-14	W81-250114-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-83	2025-01-13	W83-250113-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-84	2025-01-08	W84-250108-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-94	2025-01-13	W94-250113-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-113	2025-01-08	W113250108-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-114	2025-01-14	W114250114-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-115	2025-01-07	W115250107-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-72	2025-01-13	W72-250113-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-74R	2025-01-13	W74R250113-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-75	2025-01-18	W75-250108-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-80	2025-01-21	W80-250121-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-85	2025-01-14	W85-250114-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-87	2025-01-13	W87-250113-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-68	2025-01-21	W68-250121-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-EB6	2025-01-21	WEB6250121-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-30A	2025-01-14	W30A250114-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-47	2025-01-15	W47-250115-	2.93	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-62	2025-01-13	W62-250113-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-102	2025-01-16	W102250116-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-103	2025-03-25	W103250325-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-107	2025-01-21	W107250121-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-108	2025-01-16	W108250116-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-109	2025-01-15	W109250115-	2 U	1 U	1 U	2 U	5 U	5 U
MW-110	2025-01-16	W110250116-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-111	2025-01-16	W111250116-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-112	2025-01-21	W112250121-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-101	2025-01-08	W101250108-	0.2 U	0.1 U	0.1 U	0.2 U	--	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-01-07	W59-250107-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-66	2025-01-08	W66-250108-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-81	2025-01-14	W81-250114-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-83	2025-01-13	W83-250113-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-84	2025-01-08	W84-250108-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-94	2025-01-13	W94-250113-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-113	2025-01-08	W113250108-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-114	2025-01-14	W114250114-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-115	2025-01-07	W115250107-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-72	2025-01-13	W72-250113-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-74R	2025-01-13	W74R250113-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-75	2025-01-18	W75-250108-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-80	2025-01-21	W80-250121-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-85	2025-01-14	W85-250114-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-87	2025-01-13	W87-250113-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-68	2025-01-21	W68-250121-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-EB6	2025-01-21	WEB6250121-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-30A	2025-01-14	W30A250114-	2 U	0.1 U	5 U	0.1 U	0.11 JT	0.1 U
MW-47	2025-01-15	W47-250115-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-62	2025-01-13	W62-250113-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-102	2025-01-16	W102250116-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-103	2025-03-25	W103250325-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-107	2025-01-21	W107250121-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-108	2025-01-16	W108250116-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-109	2025-01-15	W109250115-	20 U	1 U	50 U	1 U	1 U	170
MW-110	2025-01-16	W110250116-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-111	2025-01-16	W111250116-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-112	2025-01-21	W112250121-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-101	2025-01-08	W101250108-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-01-07	W59-250107-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-66	2025-01-08	W66-250108-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-81	2025-01-14	W81-250114-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-83	2025-01-13	W83-250113-	0.1 U	0.2 U	2.5 U	1.36	0.1 U	0.2 U
MW-84	2025-01-08	W84-250108-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-94	2025-01-13	W94-250113-	0.1 U	0.2 U	2.5 U	1.78	0.1 U	0.2 U
MW-113	2025-01-08	W113250108-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-114	2025-01-14	W114250114-	0.1 U	0.2 U	2.5 U	8.91	0.1 U	0.2 U
MW-115	2025-01-07	W115250107-	0.1 U	0.2 U	2.5 U	4.98	0.1 U	0.2 U
MW-72	2025-01-13	W72-250113-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-74R	2025-01-13	W74R250113-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-75	2025-01-18	W75-250108-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-80	2025-01-21	W80-250121-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-85	2025-01-14	W85-250114-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-87	2025-01-13	W87-250113-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-68	2025-01-21	W68-250121-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-EB6	2025-01-21	WEB6250121-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-30A	2025-01-14	W30A250114-	0.1 U	0.2 U	2.5 U	0.782	0.1 U	0.2 U
MW-47	2025-01-15	W47-250115-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-62	2025-01-13	W62-250113-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-102	2025-01-16	W102250116-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-103	2025-03-25	W103250325-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-107	2025-01-21	W107250121-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-108	2025-01-16	W108250116-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-109	2025-01-15	W109250115-	1 U	2 U	25 U	1 U	1 U	2 U
MW-110	2025-01-16	W110250116-	0.13 JT	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-111	2025-01-16	W111250116-	0.1 U	0.2 U	2.5 U	0.1 JT	0.1 U	0.2 U
MW-112	2025-01-21	W112250121-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-101	2025-01-08	W101250108-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Vinyl Chloride	Ethyl Meth-acrylate
			µg/L	µg/L
MW-59	2025-01-07	W59-250107-	0.01 DU	--
MW-66	2025-01-08	W66-250108-	0.01 DU	--
MW-81	2025-01-14	W81-250114-	0.01 DU	--
MW-83	2025-01-13	W83-250113-	0.01 DU	--
MW-84	2025-01-08	W84-250108-	0.01 DU	--
MW-94	2025-01-13	W94-250113-	0.01 DU	--
MW-113	2025-01-08	W113250108-	0.01 DU	--
MW-114	2025-01-14	W114250114-	0.01 DU	--
MW-115	2025-01-07	W115250107-	0.01 DU	--
MW-72	2025-01-13	W72-250113-	0.01 DU	--
MW-74R	2025-01-13	W74R250113-	0.01 DU	--
MW-75	2025-01-18	W75-250108-	0.01 DU	--
MW-80	2025-01-21	W80-250121-	0.01 DU	0.2 U
MW-85	2025-01-14	W85-250114-	0.01 DU	--
MW-87	2025-01-13	W87-250113-	0.01 DU	--
MW-68	2025-01-21	W68-250121-	0.01 DU	0.2 U
MW-EB6	2025-01-21	WEB6250121-	0.01 DU	0.2 U
MW-30A	2025-01-14	W30A250114-	0.01 DU	0.2 U
MW-47	2025-01-15	W47-250115-	3.52 D	0.2 U
MW-62	2025-01-13	W62-250113-	0.01 DU	--
MW-102	2025-01-16	W102250116-	0.01 DU	0.2 U
MW-103	2025-03-25	W103250325-	0.01 DU	0.2 U
MW-107	2025-01-21	W107250121-	0.01 DU	0.2 U
MW-108	2025-01-16	W108250116-	0.01 DU	0.2 U
MW-109	2025-01-15	W109250115-	0.13 DJT	2 U
MW-110	2025-01-16	W110250116-	0.104 D	0.2 U
MW-111	2025-01-16	W111250116-	0.01 DU	0.2 U
MW-112	2025-01-21	W112250121-	0.01 DU	0.2 U
MW-101	2025-01-08	W101250108-	0.131 D	--

-- : Not part of sampling program.

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-04-23	W21-250423-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-24	2025-04-02	W24-250402-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-56	2025-04-02	W56-250402-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-59	2025-04-03	W59-250403-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-64	2025-04-14	W64-250414-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-65	2025-04-03	W65-250403-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-66	2025-04-23	W66-250423-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-73	2025-04-23	W73-250423-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-76	2025-04-09	W76-250409-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-81	2025-04-10	W81-250410-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-82	2025-04-02	W82-250402-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-83	2025-04-02	W83-250402-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-84	2025-04-10	W84-250410-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-94	2025-04-02	W94-250402-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-113	2025-04-03	W113250403-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-114	2025-04-03	W114250403-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-115	2025-04-09	W115250409-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-67	2025-04-14	W67-250414-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-72	2025-04-24	W72-250424-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-74R	2025-04-07	W74R250407-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-75	2025-04-07	W75-250407-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-80	2025-04-16	W80-250416-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-85	2025-04-07	W85-250407-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-86	2025-04-10	W86-250410-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-87	2025-04-24	W87-250424-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-88	2025-04-10	W88-250410-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-89	2025-04-10	W89-250410-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-100	2025-04-29	W100250429-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-68	2025-04-16	W68-250416-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-93	2025-04-29	W93-250429-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-95	2025-04-09	W95-250409-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-EB6	2025-04-21	WEB6250421-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-30A	2025-04-21	W30A250421-	2.1	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-47	2025-04-17	W47-250417-	0.777	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-62	2025-04-23	W62-250423-	0.26	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-102	2025-04-21	W102250421-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-103	2025-05-22	W103250522-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-107	2025-04-16	W107250416-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-108	2025-04-22	W108250422-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-109	2025-04-18	W109250418-	1 U	1 U	1 U	1 U	2 U	1 U
MW-110	2025-04-16	W110250416-	0.255	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-111	2025-04-16	W111250416-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-112	2025-04-16	W112250416-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-101	2025-04-23	W101250423-	0.12 JT	0.1 U	--	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-04-23	W21-250423-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-24	2025-04-02	W24-250402-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-56	2025-04-02	W56-250402-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-59	2025-04-03	W59-250403-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-64	2025-04-14	W64-250414-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-65	2025-04-03	W65-250403-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-66	2025-04-23	W66-250423-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-73	2025-04-23	W73-250423-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-76	2025-04-09	W76-250409-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-81	2025-04-10	W81-250410-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-82	2025-04-02	W82-250402-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-83	2025-04-02	W83-250402-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-84	2025-04-10	W84-250410-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-94	2025-04-02	W94-250402-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-113	2025-04-03	W113250403-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-114	2025-04-03	W114250403-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-115	2025-04-09	W115250409-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-67	2025-04-14	W67-250414-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-72	2025-04-24	W72-250424-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-74R	2025-04-07	W74R250407-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-75	2025-04-07	W75-250407-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-80	2025-04-16	W80-250416-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-85	2025-04-07	W85-250407-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-86	2025-04-10	W86-250410-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-87	2025-04-24	W87-250424-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-88	2025-04-10	W88-250410-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-89	2025-04-10	W89-250410-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-100	2025-04-29	W100250429-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-68	2025-04-16	W68-250416-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-93	2025-04-29	W93-250429-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-95	2025-04-09	W95-250409-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-EB6	2025-04-21	WEB6250421-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-30A	2025-04-21	W30A250421-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-47	2025-04-17	W47-250417-	0.2 U	0.2 U	0.2 U	0.1 U	0.15 JT	0.1 U
MW-62	2025-04-23	W62-250423-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-102	2025-04-21	W102250421-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-103	2025-05-22	W103250522-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-107	2025-04-16	W107250416-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-108	2025-04-22	W108250422-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-109	2025-04-18	W109250418-	2 U	2 U	2 U	1 U	1 U	1 U
MW-110	2025-04-16	W110250416-	0.2 U	0.2 U	0.2 U	0.864	0.233	0.212
MW-111	2025-04-16	W111250416-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-112	2025-04-16	W112250416-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-101	2025-04-23	W101250423-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-04-23	W21-250423-	0.2 U	--	--	0.1 U	4 U	4 U
MW-24	2025-04-02	W24-250402-	0.2 U	--	--	0.1 U	4 U	4 U
MW-56	2025-04-02	W56-250402-	0.2 U	--	--	0.1 U	4 U	4 U
MW-59	2025-04-03	W59-250403-	0.2 U	--	--	0.1 U	4 U	4 U
MW-64	2025-04-14	W64-250414-	0.2 U	--	--	0.1 U	4 U	4 U
MW-65	2025-04-03	W65-250403-	0.2 U	--	--	0.1 U	4 U	4 U
MW-66	2025-04-23	W66-250423-	0.2 U	--	--	0.1 U	4 U	4 U
MW-73	2025-04-23	W73-250423-	0.2 U	--	--	0.1 U	4 U	4 U
MW-76	2025-04-09	W76-250409-	0.2 U	--	--	0.1 U	4 U	4 U
MW-81	2025-04-10	W81-250410-	0.2 U	--	--	0.1 U	4 U	4 U
MW-82	2025-04-02	W82-250402-	0.2 U	--	--	0.1 U	4 U	4 U
MW-83	2025-04-02	W83-250402-	0.2 U	--	--	0.1 U	4 U	4 U
MW-84	2025-04-10	W84-250410-	0.2 U	--	--	0.1 U	4 U	4 U
MW-94	2025-04-02	W94-250402-	0.2 U	--	--	0.1 U	4 U	4 U
MW-113	2025-04-03	W113250403-	0.2 U	--	--	0.1 U	4 U	4 U
MW-114	2025-04-03	W114250403-	0.2 U	--	--	0.1 U	4 U	4 U
MW-115	2025-04-09	W115250409-	0.2 U	--	--	0.1 U	4 U	4 U
MW-67	2025-04-14	W67-250414-	0.2 U	--	--	0.1 U	4 U	4 U
MW-72	2025-04-24	W72-250424-	0.2 U	--	--	0.1 U	4 U	4 U
MW-74R	2025-04-07	W74R250407-	0.2 U	--	--	0.1 U	4 U	4 U
MW-75	2025-04-07	W75-250407-	0.2 U	--	--	0.1 U	4 U	4 U
MW-80	2025-04-16	W80-250416-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-85	2025-04-07	W85-250407-	0.2 U	--	--	0.1 U	4 U	4 U
MW-86	2025-04-10	W86-250410-	0.2 U	--	--	0.1 U	4 U	4 U
MW-87	2025-04-24	W87-250424-	0.2 U	--	--	0.1 U	4 U	4 U
MW-88	2025-04-10	W88-250410-	0.2 U	--	--	0.1 U	4 U	4 U
MW-89	2025-04-10	W89-250410-	0.2 U	--	--	0.1 U	4 U	4 U
MW-100	2025-04-29	W100250429-	0.2 U	--	--	0.1 U	4 U	4 U
MW-68	2025-04-16	W68-250416-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-93	2025-04-29	W93-250429-	0.2 U	--	--	0.1 U	4 U	4 U
MW-95	2025-04-09	W95-250409-	0.2 U	--	--	0.1 U	4 U	4 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-EB6	2025-04-21	WEB6250421-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-30A	2025-04-21	W30A250421-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-47	2025-04-17	W47-250417-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-62	2025-04-23	W62-250423-	0.2 U	--	--	0.1 U	4 U	4 U
MW-102	2025-04-21	W102250421-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-103	2025-05-22	W103250522-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-107	2025-04-16	W107250416-	0.2 U	0.1 U	0.1 U	0.238	4 U	4 U
MW-108	2025-04-22	W108250422-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-109	2025-04-18	W109250418-	2 U	1 U	1 U	1 U	40 U	40 U
MW-110	2025-04-16	W110250416-	0.2 U	0.1 U	0.1 U	0.21	4 U	4 U
MW-111	2025-04-16	W111250416-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-112	2025-04-16	W112250416-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-101	2025-04-23	W101250423-	0.2 U	--	--	0.1 U	4 U	4 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-04-23	W21-250423-	--	--	--	4 U	4 U	--
MW-24	2025-04-02	W24-250402-	--	--	--	4 U	4 U	--
MW-56	2025-04-02	W56-250402-	--	--	--	4 U	4 U	--
MW-59	2025-04-03	W59-250403-	--	--	--	4 U	4 U	--
MW-64	2025-04-14	W64-250414-	--	--	--	4 U	4 U	--
MW-65	2025-04-03	W65-250403-	--	--	--	4 U	4 U	--
MW-66	2025-04-23	W66-250423-	--	--	--	4 U	4 U	--
MW-73	2025-04-23	W73-250423-	--	--	--	4 U	4 U	--
MW-76	2025-04-09	W76-250409-	--	--	--	4 U	4 U	--
MW-81	2025-04-10	W81-250410-	--	--	--	4 U	4 U	--
MW-82	2025-04-02	W82-250402-	--	--	--	4 U	4 U	--
MW-83	2025-04-02	W83-250402-	--	--	--	4 U	4 U	--
MW-84	2025-04-10	W84-250410-	--	--	--	4 U	4 U	--
MW-94	2025-04-02	W94-250402-	--	--	--	4 U	4 U	--
MW-113	2025-04-03	W113250403-	--	--	--	4 U	4 U	--
MW-114	2025-04-03	W114250403-	--	--	--	4 U	4 U	--
MW-115	2025-04-09	W115250409-	--	--	--	4 U	4 U	--
MW-67	2025-04-14	W67-250414-	--	--	--	4 U	4 U	--
MW-72	2025-04-24	W72-250424-	--	--	--	4 U	4 U	--
MW-74R	2025-04-07	W74R250407-	--	--	--	4 U	4 U	--
MW-75	2025-04-07	W75-250407-	--	--	--	4 U	4 U	--
MW-80	2025-04-16	W80-250416-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-85	2025-04-07	W85-250407-	--	--	--	4 U	4 U	--
MW-86	2025-04-10	W86-250410-	--	--	--	4 U	4 U	--
MW-87	2025-04-24	W87-250424-	--	--	--	4 U	4 U	--
MW-88	2025-04-10	W88-250410-	--	--	--	4 U	4 U	--
MW-89	2025-04-10	W89-250410-	--	--	--	4 U	4 U	--
MW-100	2025-04-29	W100250429-	--	--	--	4 U	4 U	--
MW-68	2025-04-16	W68-250416-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-93	2025-04-29	W93-250429-	--	--	--	4 U	4 U	--
MW-95	2025-04-09	W95-250409-	--	--	--	4 U	4 U	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-EB6	2025-04-21	WEB6250421-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-30A	2025-04-21	W30A250421-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-47	2025-04-17	W47-250417-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-62	2025-04-23	W62-250423-	--	--	--	4 U	4 U	--
MW-102	2025-04-21	W102250421-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-103	2025-05-22	W103250522-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-107	2025-04-16	W107250416-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-108	2025-04-22	W108250422-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-109	2025-04-18	W109250418-	50 DU	2 U	1 U	40 U	40 U	100 DU
MW-110	2025-04-16	W110250416-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-111	2025-04-16	W111250416-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-112	2025-04-16	W112250416-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-101	2025-04-23	W101250423-	--	--	--	4 U	4 U	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-04-23	W21-250423-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-24	2025-04-02	W24-250402-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-56	2025-04-02	W56-250402-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-59	2025-04-03	W59-250403-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-64	2025-04-14	W64-250414-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-65	2025-04-03	W65-250403-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-66	2025-04-23	W66-250423-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-73	2025-04-23	W73-250423-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-76	2025-04-09	W76-250409-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-81	2025-04-10	W81-250410-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-82	2025-04-02	W82-250402-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-83	2025-04-02	W83-250402-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-84	2025-04-10	W84-250410-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-94	2025-04-02	W94-250402-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-113	2025-04-03	W113250403-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-114	2025-04-03	W114250403-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-115	2025-04-09	W115250409-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-67	2025-04-14	W67-250414-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-72	2025-04-24	W72-250424-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-74R	2025-04-07	W74R250407-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-75	2025-04-07	W75-250407-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-80	2025-04-16	W80-250416-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-85	2025-04-07	W85-250407-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-86	2025-04-10	W86-250410-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-87	2025-04-24	W87-250424-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-88	2025-04-10	W88-250410-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-89	2025-04-10	W89-250410-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-100	2025-04-29	W100250429-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-68	2025-04-16	W68-250416-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-93	2025-04-29	W93-250429-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-95	2025-04-09	W95-250409-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-EB6	2025-04-21	WEB6250421-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-30A	2025-04-21	W30A250421-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-47	2025-04-17	W47-250417-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-62	2025-04-23	W62-250423-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-102	2025-04-21	W102250421-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-103	2025-05-22	W103250522-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-107	2025-04-16	W107250416-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-108	2025-04-22	W108250422-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-109	2025-04-18	W109250418-	25 U	0.5 DU	1.2 JT	1 U	2 U	2 U
MW-110	2025-04-16	W110250416-	2.5 U	0.05 DU	0.48	0.1 U	0.2 U	0.2 U
MW-111	2025-04-16	W111250416-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-112	2025-04-16	W112250416-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-101	2025-04-23	W101250423-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-04-23	W21-250423-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-24	2025-04-02	W24-250402-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-56	2025-04-02	W56-250402-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-59	2025-04-03	W59-250403-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-64	2025-04-14	W64-250414-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-65	2025-04-03	W65-250403-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-66	2025-04-23	W66-250423-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-73	2025-04-23	W73-250423-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-76	2025-04-09	W76-250409-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-81	2025-04-10	W81-250410-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-82	2025-04-02	W82-250402-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-83	2025-04-02	W83-250402-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-84	2025-04-10	W84-250410-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-94	2025-04-02	W94-250402-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-113	2025-04-03	W113250403-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-114	2025-04-03	W114250403-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-115	2025-04-09	W115250409-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-67	2025-04-14	W67-250414-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-72	2025-04-24	W72-250424-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-74R	2025-04-07	W74R250407-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-75	2025-04-07	W75-250407-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-80	2025-04-16	W80-250416-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-85	2025-04-07	W85-250407-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-86	2025-04-10	W86-250410-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-87	2025-04-24	W87-250424-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-88	2025-04-10	W88-250410-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-89	2025-04-10	W89-250410-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-100	2025-04-29	W100250429-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-68	2025-04-16	W68-250416-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-93	2025-04-29	W93-250429-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-95	2025-04-09	W95-250409-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-EB6	2025-04-21	WEB6250421-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-30A	2025-04-21	W30A250421-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-47	2025-04-17	W47-250417-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.19 JT
MW-62	2025-04-23	W62-250423-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-102	2025-04-21	W102250421-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-103	2025-05-22	W103250522-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-107	2025-04-16	W107250416-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-108	2025-04-22	W108250422-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-109	2025-04-18	W109250418-	1 U	1 U	2 U	1 U	2 U	1 U
MW-110	2025-04-16	W110250416-	0.1 U	0.1 U	0.2 U	0.889	0.2 U	0.12 JT
MW-111	2025-04-16	W111250416-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-112	2025-04-16	W112250416-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-101	2025-04-23	W101250423-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-04-23	W21-250423-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-24	2025-04-02	W24-250402-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-56	2025-04-02	W56-250402-	0.1 U	0.2 U	--	1.09	0.2 U	0.1 U
MW-59	2025-04-03	W59-250403-	0.1 U	0.2 U	--	1.59	0.2 U	0.1 U
MW-64	2025-04-14	W64-250414-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-65	2025-04-03	W65-250403-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-66	2025-04-23	W66-250423-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-73	2025-04-23	W73-250423-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-76	2025-04-09	W76-250409-	0.1 U	0.2 U	--	0.228	0.2 U	0.1 U
MW-81	2025-04-10	W81-250410-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-82	2025-04-02	W82-250402-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-83	2025-04-02	W83-250402-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-84	2025-04-10	W84-250410-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-94	2025-04-02	W94-250402-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-113	2025-04-03	W113250403-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-114	2025-04-03	W114250403-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-115	2025-04-09	W115250409-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-67	2025-04-14	W67-250414-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-72	2025-04-24	W72-250424-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-74R	2025-04-07	W74R250407-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-75	2025-04-07	W75-250407-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-80	2025-04-16	W80-250416-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-85	2025-04-07	W85-250407-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-86	2025-04-10	W86-250410-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-87	2025-04-24	W87-250424-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-88	2025-04-10	W88-250410-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-89	2025-04-10	W89-250410-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-100	2025-04-29	W100250429-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-68	2025-04-16	W68-250416-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-93	2025-04-29	W93-250429-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-95	2025-04-09	W95-250409-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-EB6	2025-04-21	WEB6250421-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-30A	2025-04-21	W30A250421-	0.1 U	0.2 U	0.2 U	1.82	0.2 U	0.1 U
MW-47	2025-04-17	W47-250417-	0.1 U	0.2 U	0.2 U	3.17	0.2 U	0.1 U
MW-62	2025-04-23	W62-250423-	0.1 U	0.2 U	--	0.4	0.2 U	0.1 U
MW-102	2025-04-21	W102250421-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-103	2025-05-22	W103250522-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-107	2025-04-16	W107250416-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-108	2025-04-22	W108250422-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-109	2025-04-18	W109250418-	1 U	2 U	2 U	1 U	2 U	1 U
MW-110	2025-04-16	W110250416-	0.1 U	0.2 U	0.2 U	4.11	0.2 U	0.1 U
MW-111	2025-04-16	W111250416-	0.1 U	0.2 U	0.2 U	0.11 JT	0.2 U	0.1 U
MW-112	2025-04-16	W112250416-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-101	2025-04-23	W101250423-	0.1 U	0.2 U	--	0.14 JT	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-04-23	W21-250423-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-24	2025-04-02	W24-250402-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-56	2025-04-02	W56-250402-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-59	2025-04-03	W59-250403-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-64	2025-04-14	W64-250414-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-65	2025-04-03	W65-250403-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-66	2025-04-23	W66-250423-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-73	2025-04-23	W73-250423-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-76	2025-04-09	W76-250409-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-81	2025-04-10	W81-250410-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-82	2025-04-02	W82-250402-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-83	2025-04-02	W83-250402-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-84	2025-04-10	W84-250410-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-94	2025-04-02	W94-250402-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-113	2025-04-03	W113250403-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-114	2025-04-03	W114250403-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-115	2025-04-09	W115250409-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-67	2025-04-14	W67-250414-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-72	2025-04-24	W72-250424-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-74R	2025-04-07	W74R250407-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-75	2025-04-07	W75-250407-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-80	2025-04-16	W80-250416-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-85	2025-04-07	W85-250407-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-86	2025-04-10	W86-250410-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-87	2025-04-24	W87-250424-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-88	2025-04-10	W88-250410-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-89	2025-04-10	W89-250410-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-100	2025-04-29	W100250429-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-68	2025-04-16	W68-250416-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-93	2025-04-29	W93-250429-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-95	2025-04-09	W95-250409-	0.2 U	0.1 U	0.1 U	0.2 U	--	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-EB6	2025-04-21	WEB6250421-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-30A	2025-04-21	W30A250421-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-47	2025-04-17	W47-250417-	2.68	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-62	2025-04-23	W62-250423-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-102	2025-04-21	W102250421-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-103	2025-05-22	W103250522-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-107	2025-04-16	W107250416-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-108	2025-04-22	W108250422-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-109	2025-04-18	W109250418-	2 U	1 U	1 U	2 U	5 U	5 U
MW-110	2025-04-16	W110250416-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-111	2025-04-16	W111250416-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-112	2025-04-16	W112250416-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-101	2025-04-23	W101250423-	0.2 U	0.1 U	0.1 U	0.2 U	--	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-04-23	W21-250423-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-24	2025-04-02	W24-250402-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-56	2025-04-02	W56-250402-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-59	2025-04-03	W59-250403-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-64	2025-04-14	W64-250414-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-65	2025-04-03	W65-250403-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-66	2025-04-23	W66-250423-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-73	2025-04-23	W73-250423-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-76	2025-04-09	W76-250409-	2 U	0.1 U	--	0.1 U	0.293 G	0.1 U
MW-81	2025-04-10	W81-250410-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-82	2025-04-02	W82-250402-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-83	2025-04-02	W83-250402-	2 U	0.1 U	--	0.1 U	0.1 GU	0.1 U
MW-84	2025-04-10	W84-250410-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-94	2025-04-02	W94-250402-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-113	2025-04-03	W113250403-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-114	2025-04-03	W114250403-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-115	2025-04-09	W115250409-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-67	2025-04-14	W67-250414-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-72	2025-04-24	W72-250424-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-74R	2025-04-07	W74R250407-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-75	2025-04-07	W75-250407-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-80	2025-04-16	W80-250416-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-85	2025-04-07	W85-250407-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-86	2025-04-10	W86-250410-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-87	2025-04-24	W87-250424-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-88	2025-04-10	W88-250410-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-89	2025-04-10	W89-250410-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-100	2025-04-29	W100250429-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-68	2025-04-16	W68-250416-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-93	2025-04-29	W93-250429-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-95	2025-04-09	W95-250409-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-EB6	2025-04-21	WEB6250421-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-30A	2025-04-21	W30A250421-	2 U	0.1 U	5 U	0.1 U	0.1 GU	0.1 U
MW-47	2025-04-17	W47-250417-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-62	2025-04-23	W62-250423-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-102	2025-04-21	W102250421-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-103	2025-05-22	W103250522-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-107	2025-04-16	W107250416-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-108	2025-04-22	W108250422-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-109	2025-04-18	W109250418-	20 U	1 U	50 U	1 U	1 U	458
MW-110	2025-04-16	W110250416-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-111	2025-04-16	W111250416-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-112	2025-04-16	W112250416-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-101	2025-04-23	W101250423-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-04-23	W21-250423-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-24	2025-04-02	W24-250402-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-56	2025-04-02	W56-250402-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-59	2025-04-03	W59-250403-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-64	2025-04-14	W64-250414-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-65	2025-04-03	W65-250403-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-66	2025-04-23	W66-250423-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-73	2025-04-23	W73-250423-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-76	2025-04-09	W76-250409-	0.1 U	0.2 U	2.5 U	6.56	0.1 U	0.2 U
MW-81	2025-04-10	W81-250410-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-82	2025-04-02	W82-250402-	0.1 U	0.2 U	2.5 U	4.28	0.1 U	0.2 U
MW-83	2025-04-02	W83-250402-	0.1 U	0.2 U	2.5 U	1.8	0.1 U	0.2 U
MW-84	2025-04-10	W84-250410-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-94	2025-04-02	W94-250402-	0.1 U	0.2 U	2.5 U	1.92	0.1 U	0.2 U
MW-113	2025-04-03	W113250403-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-114	2025-04-03	W114250403-	0.1 U	0.2 U	2.5 U	10.4	0.1 U	0.2 U
MW-115	2025-04-09	W115250409-	0.1 U	0.2 U	2.5 U	4.66	0.1 U	0.2 U
MW-67	2025-04-14	W67-250414-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-72	2025-04-24	W72-250424-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-74R	2025-04-07	W74R250407-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-75	2025-04-07	W75-250407-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-80	2025-04-16	W80-250416-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-85	2025-04-07	W85-250407-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-86	2025-04-10	W86-250410-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-87	2025-04-24	W87-250424-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-88	2025-04-10	W88-250410-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-89	2025-04-10	W89-250410-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-100	2025-04-29	W100250429-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-68	2025-04-16	W68-250416-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-93	2025-04-29	W93-250429-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-95	2025-04-09	W95-250409-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-EB6	2025-04-21	WEB6250421-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-30A	2025-04-21	W30A250421-	0.1 U	0.2 U	2.5 U	0.682	0.1 U	0.2 U
MW-47	2025-04-17	W47-250417-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-62	2025-04-23	W62-250423-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-102	2025-04-21	W102250421-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-103	2025-05-22	W103250522-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-107	2025-04-16	W107250416-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-108	2025-04-22	W108250422-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-109	2025-04-18	W109250418-	1 U	2 U	25 U	1 U	1 U	2 U
MW-110	2025-04-16	W110250416-	0.203	0.2 U	2.5 U	0.1 JT	0.1 U	0.2 U
MW-111	2025-04-16	W111250416-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-112	2025-04-16	W112250416-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-101	2025-04-23	W101250423-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Vinyl Chloride
			µg/L
MW-21	2025-04-23	W21-250423-	0.01 DU
MW-24	2025-04-02	W24-250402-	0.01 DU
MW-56	2025-04-02	W56-250402-	0.01 DU
MW-59	2025-04-03	W59-250403-	0.01 DU
MW-64	2025-04-14	W64-250414-	0.01 DU
MW-65	2025-04-03	W65-250403-	0.0321 D
MW-66	2025-04-23	W66-250423-	0.01 DU
MW-73	2025-04-23	W73-250423-	0.01 DU
MW-76	2025-04-09	W76-250409-	0.01 DU
MW-81	2025-04-10	W81-250410-	0.01 DU
MW-82	2025-04-02	W82-250402-	0.01 DU
MW-83	2025-04-02	W83-250402-	0.01 DU
MW-84	2025-04-10	W84-250410-	0.01 DU
MW-94	2025-04-02	W94-250402-	0.01 DU
MW-113	2025-04-03	W113250403-	0.01 DU
MW-114	2025-04-03	W114250403-	0.01 DU
MW-115	2025-04-09	W115250409-	0.01 DU
MW-67	2025-04-14	W67-250414-	0.01 DU
MW-72	2025-04-24	W72-250424-	0.01 DU
MW-74R	2025-04-07	W74R250407-	0.01 DU
MW-75	2025-04-07	W75-250407-	0.01 DU
MW-80	2025-04-16	W80-250416-	0.01 DU
MW-85	2025-04-07	W85-250407-	0.01 DU
MW-86	2025-04-10	W86-250410-	0.01 DU
MW-87	2025-04-24	W87-250424-	0.01 DU
MW-88	2025-04-10	W88-250410-	0.01 DU
MW-89	2025-04-10	W89-250410-	0.01 DU
MW-100	2025-04-29	W100250429-	0.01 DU
MW-68	2025-04-16	W68-250416-	0.01 DU
MW-93	2025-04-29	W93-250429-	0.01 DU
MW-95	2025-04-09	W95-250409-	0.01 DU

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Vinyl Chloride
			µg/L
MW-EB6	2025-04-21	WEB6250421-	0.01 DU
MW-30A	2025-04-21	W30A250421-	0.01 DJT
MW-47	2025-04-17	W47-250417-	3.01 D
MW-62	2025-04-23	W62-250423-	0.01 DU
MW-102	2025-04-21	W102250421-	0.01 DU
MW-103	2025-05-22	W103250522-	0.01 DU
MW-107	2025-04-16	W107250416-	0.01 DU
MW-108	2025-04-22	W108250422-	0.01 DU
MW-109	2025-04-18	W109250418-	1.23 D
MW-110	2025-04-16	W110250416-	0.168 D
MW-111	2025-04-16	W111250416-	0.01 DU
MW-112	2025-04-16	W112250416-	0.01 DU
MW-101	2025-04-23	W101250423-	0.253 D

-- : Not part of sampling program.

Table A-6
Groundwater – Volatile Organic Compounds (QCF)

Well	Sample Date	Sample ID	Cis-1,2-Dichloro-ethene	Tetra-chloro-ethene	Trichloro-ethene	Vinyl Chloride
			µg/L	µg/L	µg/L	µg/L
FIELD BLANK	2025-04-11	W58A250411F	0.1 U	0.1 U	0.1 U	0.01 DU
MW-54	2025-04-11	W54-250411-	0.1 U	0.1 U	0.1 U	0.0344 D
MW-57	2025-04-11	W57-250411-	0.1 U	0.1 U	0.1 U	0.01 DU
MW-58A	2025-04-11	W58A-250411-	0.1 U	0.1 U	0.1 U	0.01 DU
MW-60	2025-04-11	W60-250411-	0.1 U	0.1 U	0.1 U	0.01 DU
VOA TRIP BLANK	2025-04-11	VTRP250411Y	0.1 U	0.1 U	0.1 U	0.01 DU

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-07-15	W59-250715-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-66	2025-07-14	W66-250714-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-66	2025-07-14	W66-250714D	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-81	2025-07-14	W81-250714-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-83	2025-07-15	W83-250715-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-84	2025-07-14	W84-250714-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-94	2025-07-15	W94-250715-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-113	2025-07-14	W113250714-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-114	2025-07-14	W114250714-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-115	2025-07-14	W115250714-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-72	2025-07-17	W72-250717-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-74R	2025-07-10	W74R250710-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-75	2025-07-11	W75-250711-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-80	2025-07-28	W80-250728-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-85	2025-07-14	W85-250714-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-87	2025-07-10	W87-250710-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-68	2025-07-28	W68-250728-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-93	2025-07-15	W93-250715-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-30A	2025-07-28	W30A250728-	1.95	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-30A	2025-07-28	W30A250728D	1.95	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-47	2025-07-29	W47-250729-	0.495	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-102	2025-07-17	W102250717-	0.12 JT	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-103	2025-07-29	W103250729-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-107	2025-07-17	W107250717-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-109	2025-07-22	W109250722-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-110	2025-07-21	W110250721-	0.212	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-112	2025-07-22	W112250722-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-112	2025-07-22	W112250722D	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-101	2025-07-16	W101250716-	0.11 JT	0.1 U	--	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-07-15	W59-250715-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-66	2025-07-14	W66-250714-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-66	2025-07-14	W66-250714D	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-81	2025-07-14	W81-250714-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-83	2025-07-15	W83-250715-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-84	2025-07-14	W84-250714-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-94	2025-07-15	W94-250715-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-113	2025-07-14	W113250714-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-114	2025-07-14	W114250714-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-115	2025-07-14	W115250714-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-72	2025-07-17	W72-250717-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-74R	2025-07-10	W74R250710-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-75	2025-07-11	W75-250711-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-80	2025-07-28	W80-250728-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-85	2025-07-14	W85-250714-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-87	2025-07-10	W87-250710-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-68	2025-07-28	W68-250728-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-93	2025-07-15	W93-250715-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-30A	2025-07-28	W30A250728-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-30A	2025-07-28	W30A250728D	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-47	2025-07-29	W47-250729-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-102	2025-07-17	W102250717-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-103	2025-07-29	W103250729-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-107	2025-07-17	W107250717-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-109	2025-07-22	W109250722-	0.2 U	0.2 U	0.2 U	0.314	0.1 U	0.1 U
MW-110	2025-07-21	W110250721-	0.2 U	0.2 U	0.2 U	0.823	0.226	0.2 JT
MW-112	2025-07-22	W112250722-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-112	2025-07-22	W112250722D	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-101	2025-07-16	W101250716-	0.2 U	0.2 U	0.2 U	0.1 U	0.17 JT	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-07-15	W59-250715-	0.2 U	--	--	0.1 U	4 U	4 U
MW-66	2025-07-14	W66-250714-	0.2 U	--	--	0.1 U	4 U	4 U
MW-66	2025-07-14	W66-250714D	0.2 U	--	--	0.1 U	4 U	4 U
MW-81	2025-07-14	W81-250714-	0.2 U	--	--	0.1 U	4 U	4 U
MW-83	2025-07-15	W83-250715-	0.2 U	--	--	0.1 U	4 U	4 U
MW-84	2025-07-14	W84-250714-	0.2 U	--	--	0.1 U	4 U	4 U
MW-94	2025-07-15	W94-250715-	0.2 U	--	--	0.1 U	4 U	4 U
MW-113	2025-07-14	W113250714-	0.2 U	--	--	0.1 U	4 U	4 U
MW-114	2025-07-14	W114250714-	0.2 U	--	--	0.1 U	4 U	4 U
MW-115	2025-07-14	W115250714-	0.2 U	--	--	0.1 U	4 U	4 U
MW-72	2025-07-17	W72-250717-	0.2 U	--	--	0.1 U	4 U	4 U
MW-74R	2025-07-10	W74R250710-	0.2 U	--	--	0.1 U	4 U	4 U
MW-75	2025-07-11	W75-250711-	0.2 U	--	--	0.1 U	4 U	4 U
MW-80	2025-07-28	W80-250728-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-85	2025-07-14	W85-250714-	0.2 U	--	--	0.1 U	4 U	4 U
MW-87	2025-07-10	W87-250710-	0.2 U	--	--	0.1 U	4 U	4 U
MW-68	2025-07-28	W68-250728-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-93	2025-07-15	W93-250715-	0.2 U	--	--	0.1 U	4 U	4 U
MW-30A	2025-07-28	W30A250728-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-30A	2025-07-28	W30A250728D	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-47	2025-07-29	W47-250729-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-102	2025-07-17	W102250717-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-103	2025-07-29	W103250729-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-107	2025-07-17	W107250717-	0.2 U	0.1 U	0.1 U	0.12 JT	4 U	4 U
MW-109	2025-07-22	W109250722-	0.2 U	0.1 U	0.1 U	0.694	4 U	4 U
MW-110	2025-07-21	W110250721-	0.2 U	0.1 U	0.1 U	0.18 JT	4 U	4 U
MW-112	2025-07-22	W112250722-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-112	2025-07-22	W112250722D	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-101	2025-07-16	W101250716-	0.2 U	--	--	0.1 U	4 U	4 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-07-15	W59-250715-	--	--	--	4 U	4 U	--
MW-66	2025-07-14	W66-250714-	--	--	--	4 U	4 U	--
MW-66	2025-07-14	W66-250714D	--	--	--	4 U	4 U	--
MW-81	2025-07-14	W81-250714-	--	--	--	4 U	4 U	--
MW-83	2025-07-15	W83-250715-	--	--	--	4 U	4 U	--
MW-84	2025-07-14	W84-250714-	--	--	--	4 U	4 U	--
MW-94	2025-07-15	W94-250715-	--	--	--	4 U	4 U	--
MW-113	2025-07-14	W113250714-	--	--	--	4 U	4 U	--
MW-114	2025-07-14	W114250714-	--	--	--	4 U	4 U	--
MW-115	2025-07-14	W115250714-	--	--	--	4 U	4 U	--
MW-72	2025-07-17	W72-250717-	--	--	--	4 U	4 U	--
MW-74R	2025-07-10	W74R250710-	--	--	--	4 U	4 U	--
MW-75	2025-07-11	W75-250711-	--	--	--	4 U	4 U	--
MW-80	2025-07-28	W80-250728-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-85	2025-07-14	W85-250714-	--	--	--	4 U	4 U	--
MW-87	2025-07-10	W87-250710-	--	--	--	4 U	4 U	--
MW-68	2025-07-28	W68-250728-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-93	2025-07-15	W93-250715-	--	--	--	4 U	4 U	--
MW-30A	2025-07-28	W30A250728-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-30A	2025-07-28	W30A250728D	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-47	2025-07-29	W47-250729-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-102	2025-07-17	W102250717-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-103	2025-07-29	W103250729-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-107	2025-07-17	W107250717-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-109	2025-07-22	W109250722-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-110	2025-07-21	W110250721-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-112	2025-07-22	W112250722-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-112	2025-07-22	W112250722D	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-101	2025-07-16	W101250716-	--	--	--	4 U	4 U	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-07-15	W59-250715-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-66	2025-07-14	W66-250714-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-66	2025-07-14	W66-250714D	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-81	2025-07-14	W81-250714-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-83	2025-07-15	W83-250715-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-84	2025-07-14	W84-250714-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-94	2025-07-15	W94-250715-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-113	2025-07-14	W113250714-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-114	2025-07-14	W114250714-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-115	2025-07-14	W115250714-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-72	2025-07-17	W72-250717-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-74R	2025-07-10	W74R250710-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-75	2025-07-11	W75-250711-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-80	2025-07-28	W80-250728-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-85	2025-07-14	W85-250714-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-87	2025-07-10	W87-250710-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-68	2025-07-28	W68-250728-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-93	2025-07-15	W93-250715-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-30A	2025-07-28	W30A250728-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-30A	2025-07-28	W30A250728D	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-47	2025-07-29	W47-250729-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-102	2025-07-17	W102250717-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-103	2025-07-29	W103250729-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-107	2025-07-17	W107250717-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-109	2025-07-22	W109250722-	2.5 U	0.05 DU	0.544	0.1 U	0.2 U	0.2 U
MW-110	2025-07-21	W110250721-	2.5 U	0.05 DU	0.503	0.1 U	0.2 U	0.2 U
MW-112	2025-07-22	W112250722-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-112	2025-07-22	W112250722D	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-101	2025-07-16	W101250716-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-07-15	W59-250715-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-66	2025-07-14	W66-250714-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-66	2025-07-14	W66-250714D	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-81	2025-07-14	W81-250714-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-83	2025-07-15	W83-250715-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-84	2025-07-14	W84-250714-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-94	2025-07-15	W94-250715-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-113	2025-07-14	W113250714-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-114	2025-07-14	W114250714-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-115	2025-07-14	W115250714-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-72	2025-07-17	W72-250717-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-74R	2025-07-10	W74R250710-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-75	2025-07-11	W75-250711-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-80	2025-07-28	W80-250728-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-85	2025-07-14	W85-250714-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-87	2025-07-10	W87-250710-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-68	2025-07-28	W68-250728-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-93	2025-07-15	W93-250715-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-30A	2025-07-28	W30A250728-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-30A	2025-07-28	W30A250728D	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-47	2025-07-29	W47-250729-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.15 JT
MW-102	2025-07-17	W102250717-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-103	2025-07-29	W103250729-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-107	2025-07-17	W107250717-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-109	2025-07-22	W109250722-	0.1 U	0.1 U	0.2 U	0.659	0.2 U	0.1 U
MW-110	2025-07-21	W110250721-	0.1 U	0.1 U	0.2 U	0.952	0.2 U	0.1 JT
MW-112	2025-07-22	W112250722-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-112	2025-07-22	W112250722D	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-101	2025-07-16	W101250716-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.11 JT

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-07-15	W59-250715-	0.1 U	0.2 U	--	1.48	0.2 U	0.1 U
MW-66	2025-07-14	W66-250714-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-66	2025-07-14	W66-250714D	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-81	2025-07-14	W81-250714-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-83	2025-07-15	W83-250715-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-84	2025-07-14	W84-250714-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-94	2025-07-15	W94-250715-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-113	2025-07-14	W113250714-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-114	2025-07-14	W114250714-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-115	2025-07-14	W115250714-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-72	2025-07-17	W72-250717-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-74R	2025-07-10	W74R250710-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-75	2025-07-11	W75-250711-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-80	2025-07-28	W80-250728-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-85	2025-07-14	W85-250714-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-87	2025-07-10	W87-250710-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-68	2025-07-28	W68-250728-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-93	2025-07-15	W93-250715-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-30A	2025-07-28	W30A250728-	0.1 U	0.2 U	0.2 U	1.88	0.2 U	0.1 U
MW-30A	2025-07-28	W30A250728D	0.1 U	0.2 U	0.2 U	1.9	0.2 U	0.1 U
MW-47	2025-07-29	W47-250729-	0.1 U	0.2 U	0.2 U	1.12	0.2 U	0.1 U
MW-102	2025-07-17	W102250717-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-103	2025-07-29	W103250729-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-107	2025-07-17	W107250717-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-109	2025-07-22	W109250722-	0.1 U	0.2 U	0.2 U	0.15 JT	0.2 U	0.1 U
MW-110	2025-07-21	W110250721-	0.1 U	0.2 U	0.2 U	4.32	0.2 U	0.1 U
MW-112	2025-07-22	W112250722-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-112	2025-07-22	W112250722D	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-101	2025-07-16	W101250716-	0.1 U	0.2 U	--	0.212	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-07-15	W59-250715-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-66	2025-07-14	W66-250714-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-66	2025-07-14	W66-250714D	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-81	2025-07-14	W81-250714-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-83	2025-07-15	W83-250715-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-84	2025-07-14	W84-250714-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-94	2025-07-15	W94-250715-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-113	2025-07-14	W113250714-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-114	2025-07-14	W114250714-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-115	2025-07-14	W115250714-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-72	2025-07-17	W72-250717-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-74R	2025-07-10	W74R250710-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-75	2025-07-11	W75-250711-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-80	2025-07-28	W80-250728-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-85	2025-07-14	W85-250714-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-87	2025-07-10	W87-250710-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-68	2025-07-28	W68-250728-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-93	2025-07-15	W93-250715-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-30A	2025-07-28	W30A250728-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-30A	2025-07-28	W30A250728D	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-47	2025-07-29	W47-250729-	2.21	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-102	2025-07-17	W102250717-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-103	2025-07-29	W103250729-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-107	2025-07-17	W107250717-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-109	2025-07-22	W109250722-	0.2 U	0.18 JT	0.17 JT	0.2 U	0.5 U	0.5 U
MW-110	2025-07-21	W110250721-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-112	2025-07-22	W112250722-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-112	2025-07-22	W112250722D	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-101	2025-07-16	W101250716-	0.2 U	0.1 U	0.1 U	0.2 U	--	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-07-15	W59-250715-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-66	2025-07-14	W66-250714-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-66	2025-07-14	W66-250714D	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-81	2025-07-14	W81-250714-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-83	2025-07-15	W83-250715-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-84	2025-07-14	W84-250714-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-94	2025-07-15	W94-250715-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-113	2025-07-14	W113250714-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-114	2025-07-14	W114250714-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-115	2025-07-14	W115250714-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-72	2025-07-17	W72-250717-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-74R	2025-07-10	W74R250710-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-75	2025-07-11	W75-250711-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-80	2025-07-28	W80-250728-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-85	2025-07-14	W85-250714-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-87	2025-07-10	W87-250710-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-68	2025-07-28	W68-250728-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-93	2025-07-15	W93-250715-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-30A	2025-07-28	W30A250728-	2 U	0.1 U	5 U	0.1 U	0.12 JT	0.1 U
MW-30A	2025-07-28	W30A250728D	2 U	0.1 U	5 U	0.1 U	0.11 JT	0.1 U
MW-47	2025-07-29	W47-250729-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-102	2025-07-17	W102250717-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-103	2025-07-29	W103250729-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-107	2025-07-17	W107250717-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-109	2025-07-22	W109250722-	2 U	0.1 U	5 U	0.1 U	0.1 U	2.77
MW-110	2025-07-21	W110250721-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-112	2025-07-22	W112250722-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-112	2025-07-22	W112250722D	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-101	2025-07-16	W101250716-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-59	2025-07-15	W59-250715-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-66	2025-07-14	W66-250714-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-66	2025-07-14	W66-250714D	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-81	2025-07-14	W81-250714-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-83	2025-07-15	W83-250715-	0.1 U	0.2 U	2.5 U	2.56	0.1 U	0.2 U
MW-84	2025-07-14	W84-250714-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-94	2025-07-15	W94-250715-	0.1 U	0.2 U	2.5 U	1.96	0.1 U	0.2 U
MW-113	2025-07-14	W113250714-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-114	2025-07-14	W114250714-	0.1 U	0.2 U	2.5 U	10.2	0.1 U	0.2 U
MW-115	2025-07-14	W115250714-	0.1 U	0.2 U	2.5 U	4.36	0.1 U	0.2 U
MW-72	2025-07-17	W72-250717-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-74R	2025-07-10	W74R250710-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-75	2025-07-11	W75-250711-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-80	2025-07-28	W80-250728-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-85	2025-07-14	W85-250714-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-87	2025-07-10	W87-250710-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-68	2025-07-28	W68-250728-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-93	2025-07-15	W93-250715-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-30A	2025-07-28	W30A250728-	0.1 U	0.2 U	2.5 U	0.721	0.1 U	0.2 U
MW-30A	2025-07-28	W30A250728D	0.1 U	0.2 U	2.5 U	0.71	0.1 U	0.2 U
MW-47	2025-07-29	W47-250729-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-102	2025-07-17	W102250717-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-103	2025-07-29	W103250729-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-107	2025-07-17	W107250717-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-109	2025-07-22	W109250722-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-110	2025-07-21	W110250721-	0.224	0.2 U	2.5 U	0.11 JT	0.1 U	0.2 U
MW-112	2025-07-22	W112250722-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-112	2025-07-22	W112250722D	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-101	2025-07-16	W101250716-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Vinyl Chloride
			µg/L
MW-59	2025-07-15	W59-250715-	0.01 DU
MW-66	2025-07-14	W66-250714-	0.01 DU
MW-66	2025-07-14	W66-250714D	0.01 DU
MW-81	2025-07-14	W81-250714-	0.01 DU
MW-83	2025-07-15	W83-250715-	0.01 DU
MW-84	2025-07-14	W84-250714-	0.01 DU
MW-94	2025-07-15	W94-250715-	0.01 DU
MW-113	2025-07-14	W113250714-	0.01 DU
MW-114	2025-07-14	W114250714-	0.01 DU
MW-115	2025-07-14	W115250714-	0.01 DU
MW-72	2025-07-17	W72-250717-	0.01 DU
MW-74R	2025-07-10	W74R250710-	0.01 DU
MW-75	2025-07-11	W75-250711-	0.01 DU
MW-80	2025-07-28	W80-250728-	0.01 DU
MW-85	2025-07-14	W85-250714-	0.01 DU
MW-87	2025-07-10	W87-250710-	0.01 DU
MW-68	2025-07-28	W68-250728-	0.01 DU
MW-93	2025-07-15	W93-250715-	0.01 DU
MW-30A	2025-07-28	W30A250728-	0.01 DU
MW-30A	2025-07-28	W30A250728D	0.01 DU
MW-47	2025-07-29	W47-250729-	3.23 D
MW-102	2025-07-17	W102250717-	0.01 DU
MW-103	2025-07-29	W103250729-	0.01 DU
MW-107	2025-07-17	W107250717-	0.01 DU
MW-109	2025-07-22	W109250722-	0.155 D
MW-110	2025-07-21	W110250721-	0.17 D
MW-112	2025-07-22	W112250722-	0.01 DU
MW-112	2025-07-22	W112250722D	0.01 DU
MW-101	2025-07-16	W101250716-	0.213 D

-- : Not part of sampling program.

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-10-02	W21-251002-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-24	2025-10-15	W24-251015-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-56	2025-10-15	W56-251015-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-59	2025-10-15	W59-251015-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-60	2025-10-15	W60-251015-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-64	2025-10-15	W64-251015-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-65	2025-10-15	W65-251015-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-66	2025-10-16	W66-251016-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-73	2025-10-02	W73-251002-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-76	2025-10-08	W76-251008-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-81	2025-10-06	W81-251006-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-82	2025-10-08	W82-251008-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-83	2025-10-09	W83-251009-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-84	2025-10-16	W84-251016-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-94	2025-10-09	W94-251009-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-113	2025-10-08	W113251008-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-114	2025-10-08	W114251008-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-115	2025-10-08	W115251008-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-67	2025-10-06	W67-251006-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-72	2025-10-06	W72-251006-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-74R	2025-10-16	W74R251016-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-75	2025-10-16	W75-251016-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-80	2025-10-22	W80-251022-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-85	2025-10-06	W85-251006-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-86	2025-10-06	W86-251006-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-87	2025-10-16	W87-251016-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-88	2025-10-02	W88-251002-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-89	2025-10-02	W89-251002-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-68	2025-10-21	W68-251021-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-93	2025-10-06	W93-251006-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
MW-95	2025-10-08	W95-251008-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	3	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-47	2025-10-27	W47-251027-	0.566	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-103	2025-10-21	W103251021-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-107	2025-10-22	W107251022-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-110	2025-10-20	W110251020-	0.19 JT	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-101	2025-10-27	W101251027-	0.12 JT	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
WS-OS-1	2025-10-28	WOS1251028-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
WS-OS-2	2025-10-28	WOS2251028-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
WS-OS-3	2025-10-28	WOS3251028-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
WS-OS-4	2025-10-28	WOS4251028-	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-10-02	W21-251002-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-24	2025-10-15	W24-251015-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-56	2025-10-15	W56-251015-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-59	2025-10-15	W59-251015-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-60	2025-10-15	W60-251015-	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-64	2025-10-15	W64-251015-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-65	2025-10-15	W65-251015-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-66	2025-10-16	W66-251016-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-73	2025-10-02	W73-251002-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-76	2025-10-08	W76-251008-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-81	2025-10-06	W81-251006-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-82	2025-10-08	W82-251008-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-83	2025-10-09	W83-251009-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-84	2025-10-16	W84-251016-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-94	2025-10-09	W94-251009-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-113	2025-10-08	W113251008-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-114	2025-10-08	W114251008-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-115	2025-10-08	W115251008-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-67	2025-10-06	W67-251006-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-72	2025-10-06	W72-251006-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-74R	2025-10-16	W74R251016-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-75	2025-10-16	W75-251016-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-80	2025-10-22	W80-251022-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-85	2025-10-06	W85-251006-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-86	2025-10-06	W86-251006-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-87	2025-10-16	W87-251016-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-88	2025-10-02	W88-251002-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-89	2025-10-02	W89-251002-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-68	2025-10-21	W68-251021-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-93	2025-10-06	W93-251006-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-95	2025-10-08	W95-251008-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-47	2025-10-27	W47-251027-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-103	2025-10-21	W103251021-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-107	2025-10-22	W107251022-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
MW-110	2025-10-20	W110251020-	0.2 U	0.2 U	0.2 U	0.852	0.15 JT	0.17 JT
MW-101	2025-10-27	W101251027-	0.2 U	0.2 U	0.2 U	0.1 U	0.12 JT	0.1 U
WS-OS-1	2025-10-28	WOS1251028-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
WS-OS-2	2025-10-28	WOS2251028-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
WS-OS-3	2025-10-28	WOS3251028-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
WS-OS-4	2025-10-28	WOS4251028-	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-10-02	W21-251002-	0.2 U	--	--	0.1 U	4 U	4 U
MW-24	2025-10-15	W24-251015-	0.2 U	--	--	0.1 U	4 U	4 U
MW-56	2025-10-15	W56-251015-	0.2 U	--	--	0.1 U	4 U	4 U
MW-59	2025-10-15	W59-251015-	0.2 U	--	--	0.1 U	4 U	4 U
MW-60	2025-10-15	W60-251015-	0.2 U	--	--	0.1 U	4 U	4 U
MW-64	2025-10-15	W64-251015-	0.2 U	--	--	0.1 U	4 U	4 U
MW-65	2025-10-15	W65-251015-	0.2 U	--	--	0.1 U	4 U	4 U
MW-66	2025-10-16	W66-251016-	0.2 U	--	--	0.1 U	4 U	4 U
MW-73	2025-10-02	W73-251002-	0.2 U	--	--	0.1 U	4 U	4 U
MW-76	2025-10-08	W76-251008-	0.2 U	--	--	0.1 U	4 U	4 U
MW-81	2025-10-06	W81-251006-	0.2 U	--	--	0.1 U	4 U	4 U
MW-82	2025-10-08	W82-251008-	0.2 U	--	--	0.1 U	4 U	4 U
MW-83	2025-10-09	W83-251009-	0.2 U	--	--	0.1 U	4 U	4 U
MW-84	2025-10-16	W84-251016-	0.2 U	--	--	0.1 U	4 U	4 U
MW-94	2025-10-09	W94-251009-	0.2 U	--	--	0.1 U	4 U	4 U
MW-113	2025-10-08	W113251008-	0.2 U	--	--	0.1 U	4 U	4 U
MW-114	2025-10-08	W114251008-	0.2 U	--	--	0.1 U	4 U	4 U
MW-115	2025-10-08	W115251008-	0.2 U	--	--	0.1 U	4 U	4 U
MW-67	2025-10-06	W67-251006-	0.2 U	--	--	0.1 U	4 U	4 U
MW-72	2025-10-06	W72-251006-	0.2 U	--	--	0.1 U	4 U	4 U
MW-74R	2025-10-16	W74R251016-	0.2 U	--	--	0.1 U	4 U	4 U
MW-75	2025-10-16	W75-251016-	0.2 U	--	--	0.1 U	4 U	4 U
MW-80	2025-10-22	W80-251022-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-85	2025-10-06	W85-251006-	0.2 U	--	--	0.1 U	4 U	4 U
MW-86	2025-10-06	W86-251006-	0.2 U	--	--	0.1 U	4 U	4 U
MW-87	2025-10-16	W87-251016-	0.2 U	--	--	0.1 U	4 U	4 U
MW-88	2025-10-02	W88-251002-	0.2 U	--	--	0.1 U	4 U	4 U
MW-89	2025-10-02	W89-251002-	0.2 U	--	--	0.1 U	4 U	4 U
MW-68	2025-10-21	W68-251021-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-93	2025-10-06	W93-251006-	0.2 U	--	--	0.1 U	4 U	4 U
MW-95	2025-10-08	W95-251008-	0.2 U	--	--	0.1 U	4 U	4 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-47	2025-10-27	W47-251027-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-103	2025-10-21	W103251021-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-107	2025-10-22	W107251022-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
MW-110	2025-10-20	W110251020-	0.2 U	0.1 U	0.1 U	0.17 JT	4 U	4 U
MW-101	2025-10-27	W101251027-	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
WS-OS-1	2025-10-28	WOS1251028-	0.2 U	--	--	0.1 U	4 U	4 U
WS-OS-2	2025-10-28	WOS2251028-	0.2 U	--	--	0.1 U	4 U	4 U
WS-OS-3	2025-10-28	WOS3251028-	0.2 U	--	--	0.1 U	4 U	4 U
WS-OS-4	2025-10-28	WOS4251028-	0.2 U	--	--	0.1 U	4 U	4 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-10-02	W21-251002-	--	--	--	4 U	4 U	--
MW-24	2025-10-15	W24-251015-	--	--	--	4 U	4 U	--
MW-56	2025-10-15	W56-251015-	--	--	--	4 U	4 U	--
MW-59	2025-10-15	W59-251015-	--	--	--	4 U	4 U	--
MW-60	2025-10-15	W60-251015-	--	--	--	4 U	4 U	--
MW-64	2025-10-15	W64-251015-	--	--	--	4 U	4 U	--
MW-65	2025-10-15	W65-251015-	--	--	--	4 U	4 U	--
MW-66	2025-10-16	W66-251016-	--	--	--	4 U	4 U	--
MW-73	2025-10-02	W73-251002-	--	--	--	4 U	4 U	--
MW-76	2025-10-08	W76-251008-	--	--	--	4 U	4 U	--
MW-81	2025-10-06	W81-251006-	--	--	--	4 U	4 U	--
MW-82	2025-10-08	W82-251008-	--	--	--	4 U	4 U	--
MW-83	2025-10-09	W83-251009-	--	--	--	4 U	4 U	--
MW-84	2025-10-16	W84-251016-	--	--	--	4 U	4 U	--
MW-94	2025-10-09	W94-251009-	--	--	--	4 U	4 U	--
MW-113	2025-10-08	W113251008-	--	--	--	4 U	4 U	--
MW-114	2025-10-08	W114251008-	--	--	--	4 U	4 U	--
MW-115	2025-10-08	W115251008-	--	--	--	4 U	4 U	--
MW-67	2025-10-06	W67-251006-	--	--	--	4 U	4 U	--
MW-72	2025-10-06	W72-251006-	--	--	--	4 U	4 U	--
MW-74R	2025-10-16	W74R251016-	--	--	--	4 U	4 U	--
MW-75	2025-10-16	W75-251016-	--	--	--	4 U	4 U	--
MW-80	2025-10-22	W80-251022-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-85	2025-10-06	W85-251006-	--	--	--	4 U	4 U	--
MW-86	2025-10-06	W86-251006-	--	--	--	4 U	4 U	--
MW-87	2025-10-16	W87-251016-	--	--	--	4 U	4 U	--
MW-88	2025-10-02	W88-251002-	--	--	--	4 U	4 U	--
MW-89	2025-10-02	W89-251002-	--	--	--	4 U	4 U	--
MW-68	2025-10-21	W68-251021-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-93	2025-10-06	W93-251006-	--	--	--	4 U	4 U	--
MW-95	2025-10-08	W95-251008-	--	--	--	4 U	4 U	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-47	2025-10-27	W47-251027-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-103	2025-10-21	W103251021-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-107	2025-10-22	W107251022-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-110	2025-10-20	W110251020-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
MW-101	2025-10-27	W101251027-	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
WS-OS-1	2025-10-28	WOS1251028-	--	--	--	4 U	4 U	--
WS-OS-2	2025-10-28	WOS2251028-	--	--	--	4 U	4 U	--
WS-OS-3	2025-10-28	WOS3251028-	--	--	--	4 U	4 U	--
WS-OS-4	2025-10-28	WOS4251028-	--	--	--	4 U	4 U	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-10-02	W21-251002-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-24	2025-10-15	W24-251015-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-56	2025-10-15	W56-251015-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-59	2025-10-15	W59-251015-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-60	2025-10-15	W60-251015-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-64	2025-10-15	W64-251015-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-65	2025-10-15	W65-251015-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-66	2025-10-16	W66-251016-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-73	2025-10-02	W73-251002-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-76	2025-10-08	W76-251008-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-81	2025-10-06	W81-251006-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-82	2025-10-08	W82-251008-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-83	2025-10-09	W83-251009-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-84	2025-10-16	W84-251016-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-94	2025-10-09	W94-251009-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-113	2025-10-08	W113251008-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-114	2025-10-08	W114251008-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-115	2025-10-08	W115251008-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-67	2025-10-06	W67-251006-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-72	2025-10-06	W72-251006-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-74R	2025-10-16	W74R251016-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-75	2025-10-16	W75-251016-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-80	2025-10-22	W80-251022-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-85	2025-10-06	W85-251006-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-86	2025-10-06	W86-251006-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-87	2025-10-16	W87-251016-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-88	2025-10-02	W88-251002-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-89	2025-10-02	W89-251002-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-68	2025-10-21	W68-251021-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-93	2025-10-06	W93-251006-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-95	2025-10-08	W95-251008-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-47	2025-10-27	W47-251027-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-103	2025-10-21	W103251021-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-107	2025-10-22	W107251022-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
MW-110	2025-10-20	W110251020-	2.5 U	0.05 DU	0.492	0.1 U	0.2 U	0.2 U
MW-101	2025-10-27	W101251027-	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
WS-OS-1	2025-10-28	WOS1251028-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
WS-OS-2	2025-10-28	WOS2251028-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
WS-OS-3	2025-10-28	WOS3251028-	--	0.05 DU	0.1 U	0.1 U	1.93	0.2 U
WS-OS-4	2025-10-28	WOS4251028-	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-10-02	W21-251002-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-24	2025-10-15	W24-251015-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-56	2025-10-15	W56-251015-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-59	2025-10-15	W59-251015-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-60	2025-10-15	W60-251015-	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
MW-64	2025-10-15	W64-251015-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-65	2025-10-15	W65-251015-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-66	2025-10-16	W66-251016-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-73	2025-10-02	W73-251002-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-76	2025-10-08	W76-251008-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-81	2025-10-06	W81-251006-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-82	2025-10-08	W82-251008-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-83	2025-10-09	W83-251009-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-84	2025-10-16	W84-251016-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-94	2025-10-09	W94-251009-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-113	2025-10-08	W113251008-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-114	2025-10-08	W114251008-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-115	2025-10-08	W115251008-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-67	2025-10-06	W67-251006-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-72	2025-10-06	W72-251006-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-74R	2025-10-16	W74R251016-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-75	2025-10-16	W75-251016-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-80	2025-10-22	W80-251022-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-85	2025-10-06	W85-251006-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-86	2025-10-06	W86-251006-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-87	2025-10-16	W87-251016-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-88	2025-10-02	W88-251002-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-89	2025-10-02	W89-251002-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-68	2025-10-21	W68-251021-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-93	2025-10-06	W93-251006-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-95	2025-10-08	W95-251008-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-47	2025-10-27	W47-251027-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.16 JT
MW-103	2025-10-21	W103251021-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-107	2025-10-22	W107251022-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-110	2025-10-20	W110251020-	0.1 U	0.1 U	0.2 U	1	0.2 U	0.1 U
MW-101	2025-10-27	W101251027-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.11 JT
WS-OS-1	2025-10-28	WOS1251028-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
WS-OS-2	2025-10-28	WOS2251028-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
WS-OS-3	2025-10-28	WOS3251028-	0.1 U	0.1 U	0.2 U	0.1 U	0.666	0.1 U
WS-OS-4	2025-10-28	WOS4251028-	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-10-02	W21-251002-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-24	2025-10-15	W24-251015-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-56	2025-10-15	W56-251015-	0.1 U	0.2 U	--	0.966	0.2 U	0.1 U
MW-59	2025-10-15	W59-251015-	0.1 U	0.2 U	--	1.4	0.2 U	0.1 U
MW-60	2025-10-15	W60-251015-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-64	2025-10-15	W64-251015-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-65	2025-10-15	W65-251015-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-66	2025-10-16	W66-251016-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-73	2025-10-02	W73-251002-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-76	2025-10-08	W76-251008-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-81	2025-10-06	W81-251006-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-82	2025-10-08	W82-251008-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-83	2025-10-09	W83-251009-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-84	2025-10-16	W84-251016-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-94	2025-10-09	W94-251009-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-113	2025-10-08	W113251008-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-114	2025-10-08	W114251008-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-115	2025-10-08	W115251008-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-67	2025-10-06	W67-251006-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-72	2025-10-06	W72-251006-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-74R	2025-10-16	W74R251016-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-75	2025-10-16	W75-251016-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-80	2025-10-22	W80-251022-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-85	2025-10-06	W85-251006-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-86	2025-10-06	W86-251006-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-87	2025-10-16	W87-251016-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-88	2025-10-02	W88-251002-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-89	2025-10-02	W89-251002-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-68	2025-10-21	W68-251021-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-93	2025-10-06	W93-251006-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
MW-95	2025-10-08	W95-251008-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.1 U	0.2 U	0.2 U	4.72	0.2 U	0.1 U
MW-47	2025-10-27	W47-251027-	0.1 U	0.2 U	0.2 U	1.1	0.2 U	0.1 U
MW-103	2025-10-21	W103251021-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-107	2025-10-22	W107251022-	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
MW-110	2025-10-20	W110251020-	0.1 U	0.2 U	0.2 U	3.3	0.2 U	0.1 U
MW-101	2025-10-27	W101251027-	0.1 U	0.2 U	0.2 U	0.217	0.2 U	0.1 U
WS-OS-1	2025-10-28	WOS1251028-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
WS-OS-2	2025-10-28	WOS2251028-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
WS-OS-3	2025-10-28	WOS3251028-	6.38	0.2 U	--	0.1 U	0.2 U	0.1 U
WS-OS-4	2025-10-28	WOS4251028-	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-10-02	W21-251002-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-24	2025-10-15	W24-251015-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-56	2025-10-15	W56-251015-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-59	2025-10-15	W59-251015-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-60	2025-10-15	W60-251015-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-64	2025-10-15	W64-251015-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-65	2025-10-15	W65-251015-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-66	2025-10-16	W66-251016-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-73	2025-10-02	W73-251002-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-76	2025-10-08	W76-251008-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-81	2025-10-06	W81-251006-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-82	2025-10-08	W82-251008-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-83	2025-10-09	W83-251009-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-84	2025-10-16	W84-251016-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-94	2025-10-09	W94-251009-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-113	2025-10-08	W113251008-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-114	2025-10-08	W114251008-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-115	2025-10-08	W115251008-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-67	2025-10-06	W67-251006-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-72	2025-10-06	W72-251006-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-74R	2025-10-16	W74R251016-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-75	2025-10-16	W75-251016-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-80	2025-10-22	W80-251022-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-85	2025-10-06	W85-251006-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-86	2025-10-06	W86-251006-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-87	2025-10-16	W87-251016-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-88	2025-10-02	W88-251002-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-89	2025-10-02	W89-251002-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-68	2025-10-21	W68-251021-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-93	2025-10-06	W93-251006-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
MW-95	2025-10-08	W95-251008-	0.2 U	0.1 U	0.1 U	0.2 U	--	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-47	2025-10-27	W47-251027-	2.4	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-103	2025-10-21	W103251021-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-107	2025-10-22	W107251022-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-110	2025-10-20	W110251020-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
MW-101	2025-10-27	W101251027-	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
WS-OS-1	2025-10-28	WOS1251028-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
WS-OS-2	2025-10-28	WOS2251028-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
WS-OS-3	2025-10-28	WOS3251028-	0.2 U	0.1 U	0.1 U	0.2 U	--	--
WS-OS-4	2025-10-28	WOS4251028-	0.2 U	0.1 U	0.1 U	0.2 U	--	--

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-10-02	W21-251002-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-24	2025-10-15	W24-251015-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-56	2025-10-15	W56-251015-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-59	2025-10-15	W59-251015-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-60	2025-10-15	W60-251015-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-64	2025-10-15	W64-251015-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-65	2025-10-15	W65-251015-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-66	2025-10-16	W66-251016-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-73	2025-10-02	W73-251002-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-76	2025-10-08	W76-251008-	2 U	0.1 U	--	0.1 U	0.376	0.1 U
MW-81	2025-10-06	W81-251006-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-82	2025-10-08	W82-251008-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-83	2025-10-09	W83-251009-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-84	2025-10-16	W84-251016-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-94	2025-10-09	W94-251009-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-113	2025-10-08	W113251008-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-114	2025-10-08	W114251008-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-115	2025-10-08	W115251008-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-67	2025-10-06	W67-251006-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-72	2025-10-06	W72-251006-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-74R	2025-10-16	W74R251016-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-75	2025-10-16	W75-251016-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-80	2025-10-22	W80-251022-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-85	2025-10-06	W85-251006-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-86	2025-10-06	W86-251006-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-87	2025-10-16	W87-251016-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-88	2025-10-02	W88-251002-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-89	2025-10-02	W89-251002-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-68	2025-10-21	W68-251021-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-93	2025-10-06	W93-251006-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
MW-95	2025-10-08	W95-251008-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-47	2025-10-27	W47-251027-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-103	2025-10-21	W103251021-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-107	2025-10-22	W107251022-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-110	2025-10-20	W110251020-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
MW-101	2025-10-27	W101251027-	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
WS-OS-1	2025-10-28	WOS1251028-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
WS-OS-2	2025-10-28	WOS2251028-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
WS-OS-3	2025-10-28	WOS3251028-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
WS-OS-4	2025-10-28	WOS4251028-	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-21	2025-10-02	W21-251002-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-24	2025-10-15	W24-251015-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-56	2025-10-15	W56-251015-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-59	2025-10-15	W59-251015-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-60	2025-10-15	W60-251015-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-64	2025-10-15	W64-251015-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-65	2025-10-15	W65-251015-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-66	2025-10-16	W66-251016-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-73	2025-10-02	W73-251002-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-76	2025-10-08	W76-251008-	0.1 U	0.2 U	2.5 U	5.87	0.1 U	0.2 U
MW-81	2025-10-06	W81-251006-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-82	2025-10-08	W82-251008-	0.1 U	0.2 U	2.5 U	3.62	0.1 U	0.2 U
MW-83	2025-10-09	W83-251009-	0.1 U	0.2 U	2.5 U	1.85	0.1 U	0.2 U
MW-84	2025-10-16	W84-251016-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-94	2025-10-09	W94-251009-	0.1 U	0.2 U	2.5 U	1.8	0.1 U	0.2 U
MW-113	2025-10-08	W113251008-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-114	2025-10-08	W114251008-	0.1 U	0.2 U	2.5 U	9.25	0.1 U	0.2 U
MW-115	2025-10-08	W115251008-	0.1 U	0.2 U	2.5 U	4.06	0.1 U	0.2 U
MW-67	2025-10-06	W67-251006-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-72	2025-10-06	W72-251006-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-74R	2025-10-16	W74R251016-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-75	2025-10-16	W75-251016-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-80	2025-10-22	W80-251022-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-85	2025-10-06	W85-251006-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-86	2025-10-06	W86-251006-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-87	2025-10-16	W87-251016-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-88	2025-10-02	W88-251002-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-89	2025-10-02	W89-251002-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-68	2025-10-21	W68-251021-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-93	2025-10-06	W93-251006-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-95	2025-10-08	W95-251008-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.14 JT	0.2 U	2.5 U	0.457	0.1 U	0.2 U
MW-47	2025-10-27	W47-251027-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-103	2025-10-21	W103251021-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-107	2025-10-22	W107251022-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
MW-110	2025-10-20	W110251020-	0.16 JT	0.2 U	2.5 U	0.1 JT	0.1 U	0.2 U
MW-101	2025-10-27	W101251027-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
WS-OS-1	2025-10-28	WOS1251028-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
WS-OS-2	2025-10-28	WOS2251028-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
WS-OS-3	2025-10-28	WOS3251028-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
WS-OS-4	2025-10-28	WOS4251028-	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Vinyl Chloride
			µg/L
MW-21	2025-10-02	W21-251002-	0.01 DU
MW-24	2025-10-15	W24-251015-	0.01 DU
MW-56	2025-10-15	W56-251015-	0.01 DU
MW-59	2025-10-15	W59-251015-	0.01 DU
MW-60	2025-10-15	W60-251015-	0.01 DU
MW-64	2025-10-15	W64-251015-	0.01 DU
MW-65	2025-10-15	W65-251015-	0.0263 D
MW-66	2025-10-16	W66-251016-	0.01 DU
MW-73	2025-10-02	W73-251002-	0.01 DU
MW-76	2025-10-08	W76-251008-	0.01 DU
MW-81	2025-10-06	W81-251006-	0.01 DU
MW-82	2025-10-08	W82-251008-	0.01 DU
MW-83	2025-10-09	W83-251009-	0.01 DU
MW-84	2025-10-16	W84-251016-	0.01 DU
MW-94	2025-10-09	W94-251009-	0.01 DU
MW-113	2025-10-08	W113251008-	0.01 DU
MW-114	2025-10-08	W114251008-	0.01 DU
MW-115	2025-10-08	W115251008-	0.01 DU
MW-67	2025-10-06	W67-251006-	0.01 DU
MW-72	2025-10-06	W72-251006-	0.01 DU
MW-74R	2025-10-16	W74R251016-	0.01 DU
MW-75	2025-10-16	W75-251016-	0.01 DU
MW-80	2025-10-22	W80-251022-	0.01 DU
MW-85	2025-10-06	W85-251006-	0.01 DU
MW-86	2025-10-06	W86-251006-	0.01 DU
MW-87	2025-10-16	W87-251016-	0.01 DU
MW-88	2025-10-02	W88-251002-	0.01 DU
MW-89	2025-10-02	W89-251002-	0.01 DU
MW-68	2025-10-21	W68-251021-	0.01 DU
MW-93	2025-10-06	W93-251006-	0.01 DU
MW-95	2025-10-08	W95-251008-	0.01 DU

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Vinyl Chloride
			µg/L
MW-30A	2025-10-27	W30A251027-	0.0447 D
MW-47	2025-10-27	W47-251027-	2.87 D
MW-103	2025-10-21	W103251021-	0.01 DU
MW-107	2025-10-22	W107251022-	0.0419 D
MW-110	2025-10-20	W110251020-	0.113 D
MW-101	2025-10-27	W101251027-	0.199 D
WS-OS-1	2025-10-28	WOS1251028-	0.01 DU
WS-OS-2	2025-10-28	WOS2251028-	0.01 DU
WS-OS-3	2025-10-28	WOS3251028-	0.01 DU
WS-OS-4	2025-10-28	WOS4251028-	0.01 DU

-- : Not part of sampling program.

Table A-6
Groundwater – Volatile Organic Compounds (QCF)

Well	Sample Date	Sample ID	Cis-1,2-Dichloro-ethene	Tetra-chloro-ethene	Trichloro-ethene	Vinyl Chloride
			µg/L	µg/L	µg/L	µg/L
MW-54	2025-10-14	W54-251014-	0.1 U	0.1 U	0.1 U	0.0379 D

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-08	VTRP250108Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-08	VTRP250108Z	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113X	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113Z	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114X3	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114X	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-15	VTRP250115X	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-15	VTRP250115Z	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116X	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116Z	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116Y	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121Z	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121X	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121Y	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-03-25	VTRP250325Z	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-08	VTRP250108Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-08	VTRP250108Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114X3	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-15	VTRP250115X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-15	VTRP250115Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-03-25	VTRP250325Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-08	VTRP250108Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-08	VTRP250108Z	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-13	VTRP250113X	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-13	VTRP250113Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-13	VTRP250113Z	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-14	VTRP250114X3	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-14	VTRP250114Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-14	VTRP250114X	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-15	VTRP250115X	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-15	VTRP250115Z	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-16	VTRP250116X	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-16	VTRP250116Z	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-16	VTRP250116Y	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-21	VTRP250121Z	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-21	VTRP250121X	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-01-21	VTRP250121Y	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	2025-03-25	VTRP250325Z	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	--	--	--	4 U	4 U	--
VOA TRIP BLANK	2025-01-08	VTRP250108Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	2025-01-08	VTRP250108Z	--	--	--	4 U	4 U	--
VOA TRIP BLANK	2025-01-13	VTRP250113X	--	--	--	4 U	4 U	--
VOA TRIP BLANK	2025-01-13	VTRP250113Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	2025-01-13	VTRP250113Z	--	--	--	4 U	4 U	--
VOA TRIP BLANK	2025-01-14	VTRP250114X3	--	--	--	4 U	4 U	--
VOA TRIP BLANK	2025-01-14	VTRP250114Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	2025-01-14	VTRP250114X	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	2025-01-15	VTRP250115X	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	2025-01-15	VTRP250115Z	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	2025-01-16	VTRP250116X	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	2025-01-16	VTRP250116Z	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	2025-01-16	VTRP250116Y	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	2025-01-21	VTRP250121Z	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	2025-01-21	VTRP250121X	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	2025-01-21	VTRP250121Y	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	2025-03-25	VTRP250325Z	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-08	VTRP250108Y	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-08	VTRP250108Z	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-13	VTRP250113X	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-13	VTRP250113Y	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-13	VTRP250113Z	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-14	VTRP250114X3	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-14	VTRP250114Y	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-14	VTRP250114X	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-15	VTRP250115X	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-15	VTRP250115Z	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-16	VTRP250116X	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-16	VTRP250116Z	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-16	VTRP250116Y	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-21	VTRP250121Z	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-21	VTRP250121X	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-01-21	VTRP250121Y	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	2025-03-25	VTRP250325Z	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-08	VTRP250108Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-08	VTRP250108Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114X3	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-15	VTRP250115X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-15	VTRP250115Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-03-25	VTRP250325Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-08	VTRP250108Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-08	VTRP250108Z	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113X	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113Z	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114X3	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114X	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-15	VTRP250115X	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-15	VTRP250115Z	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116X	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116Z	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116Y	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121Z	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121X	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121Y	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	2025-03-25	VTRP250325Z	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	2025-01-08	VTRP250108Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	2025-01-08	VTRP250108Z	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	2025-01-13	VTRP250113X	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	2025-01-13	VTRP250113Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	2025-01-13	VTRP250113Z	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	2025-01-14	VTRP250114X3	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	2025-01-14	VTRP250114Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	2025-01-14	VTRP250114X	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-01-15	VTRP250115X	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-01-15	VTRP250115Z	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-01-16	VTRP250116X	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-01-16	VTRP250116Z	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-01-16	VTRP250116Y	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-01-21	VTRP250121Z	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-01-21	VTRP250121X	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-01-21	VTRP250121Y	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-03-25	VTRP250325Z	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-08	VTRP250108Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-08	VTRP250108Z	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113X	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-13	VTRP250113Z	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114X3	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-14	VTRP250114X	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-15	VTRP250115X	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-15	VTRP250115Z	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116X	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116Z	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-16	VTRP250116Y	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121Z	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121X	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-01-21	VTRP250121Y	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-03-25	VTRP250325Z	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-08	VTRP250108Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-08	VTRP250108Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-13	VTRP250113X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-13	VTRP250113Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-13	VTRP250113Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-14	VTRP250114X3	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-14	VTRP250114Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-14	VTRP250114X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-15	VTRP250115X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-15	VTRP250115Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-16	VTRP250116X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-16	VTRP250116Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-16	VTRP250116Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-21	VTRP250121Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-21	VTRP250121X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-01-21	VTRP250121Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-03-25	VTRP250325Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Vinyl Chloride	Ethyl Meth-acrylate
			µg/L	µg/L
VOA TRIP BLANK	2025-01-07	VTRP250107X	0.01 DU	--
VOA TRIP BLANK	2025-01-08	VTRP250108Y	0.01 DU	--
VOA TRIP BLANK	2025-01-08	VTRP250108Z	0.01 DU	--
VOA TRIP BLANK	2025-01-13	VTRP250113X	0.01 DU	--
VOA TRIP BLANK	2025-01-13	VTRP250113Y	0.01 DU	--
VOA TRIP BLANK	2025-01-13	VTRP250113Z	0.01 DU	--
VOA TRIP BLANK	2025-01-14	VTRP250114X3	0.01 DU	--
VOA TRIP BLANK	2025-01-14	VTRP250114Y	0.01 DU	--
VOA TRIP BLANK	2025-01-14	VTRP250114X	0.01 DU	0.2 U
VOA TRIP BLANK	2025-01-15	VTRP250115X	0.01 DU	0.2 U
VOA TRIP BLANK	2025-01-15	VTRP250115Z	0.01 DU	0.2 U
VOA TRIP BLANK	2025-01-16	VTRP250116X	0.01 DU	0.2 U
VOA TRIP BLANK	2025-01-16	VTRP250116Z	0.01 DU	0.2 U
VOA TRIP BLANK	2025-01-16	VTRP250116Y	0.01 DU	0.2 U
VOA TRIP BLANK	2025-01-21	VTRP250121Z	0.01 DU	0.2 U
VOA TRIP BLANK	2025-01-21	VTRP250121X	0.01 DU	0.2 U
VOA TRIP BLANK	2025-01-21	VTRP250121Y	0.01 DU	0.2 U
VOA TRIP BLANK	2025-03-25	VTRP250325Z	0.01 DU	0.2 U

-- : Not part of sampling program.

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane	1,1,2,2-Tetra-chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-02	VTRP250402Y	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-03	VTRP250403X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-03	VTRP250403Y	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-07	VTRP250407X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-07	VTRP250407Y	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-09	VTRP250409X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-10	VTRP250410X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-11	VTRP250411Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416Z	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416Y	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-17	VTRP250417Z	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-18	VTRP250417X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-18	VTRP250418Z	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421Z	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421Y	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-22	VTRP250422Z	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423Y	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423Z	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-24	VTRP250424X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-29	VTRP250429X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-29	VTRP250429Y	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-05-22	VTRP250522X	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane	1,2,3-Trichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-02	VTRP250402Y	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-03	VTRP250403X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-03	VTRP250403Y	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-07	VTRP250407X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-07	VTRP250407Y	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-09	VTRP250409X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-10	VTRP250410X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-11	VTRP250411Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416Z	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416Y	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-17	VTRP250417Z	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-18	VTRP250417X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-18	VTRP250418Z	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421Z	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421Y	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-22	VTRP250422Z	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423Y	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423Z	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-24	VTRP250424X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-29	VTRP250429X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-29	VTRP250429Y	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-05-22	VTRP250522X	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	1,4-Dichloro-benzene	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Acetone	Acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-02	VTRP250402Y	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-03	VTRP250403X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-03	VTRP250403Y	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-07	VTRP250407X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-07	VTRP250407Y	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-09	VTRP250409X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-10	VTRP250410X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-11	VTRP250411Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-16	VTRP250416Z	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-16	VTRP250416Y	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-16	VTRP250416X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-17	VTRP250417Z	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-18	VTRP250417X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-18	VTRP250418Z	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-21	VTRP250421X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-21	VTRP250421Z	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-21	VTRP250421Y	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-22	VTRP250422Z	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-23	VTRP250423X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-23	VTRP250423Y	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-23	VTRP250423Z	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-24	VTRP250424X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-29	VTRP250429X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-04-29	VTRP250429Y	0.1 U	4 U	4 U	4 U	4 U	0.05 DU
VOA TRIP BLANK	2025-05-22	VTRP250522X	0.1 U	4 U	4 U	4 U	4 U	0.05 DU

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform	Bromo-methane	Carbon Disulfide
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-02	VTRP250402Y	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-03	VTRP250403X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-03	VTRP250403Y	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-07	VTRP250407X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-07	VTRP250407Y	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-09	VTRP250409X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-10	VTRP250410X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-11	VTRP250411Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-16	VTRP250416Z	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-16	VTRP250416Y	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-16	VTRP250416X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-17	VTRP250417Z	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-18	VTRP250417X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-18	VTRP250418Z	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-21	VTRP250421X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-21	VTRP250421Z	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-21	VTRP250421Y	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-22	VTRP250422Z	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-23	VTRP250423X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-23	VTRP250423Y	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-23	VTRP250423Z	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-24	VTRP250424X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-29	VTRP250429X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-29	VTRP250429Y	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-05-22	VTRP250522X	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane	Chloroform	Chloro-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-02	VTRP250402Y	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-03	VTRP250403X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-03	VTRP250403Y	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-07	VTRP250407X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-07	VTRP250407Y	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-09	VTRP250409X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-10	VTRP250410X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-11	VTRP250411Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416Z	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416Y	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-17	VTRP250417Z	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-18	VTRP250417X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-18	VTRP250418Z	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421Z	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421Y	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-22	VTRP250422Z	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423Y	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423Z	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-24	VTRP250424X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-29	VTRP250429X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-29	VTRP250429Y	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-05-22	VTRP250522X	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-02	VTRP250402Y	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-03	VTRP250403X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-03	VTRP250403Y	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-07	VTRP250407X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-07	VTRP250407Y	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-09	VTRP250409X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-10	VTRP250410X	0.1 U	--	--	--	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-11	VTRP250411Y	0.1 U	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	0.1 U	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-16	VTRP250416Z	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-16	VTRP250416Y	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-16	VTRP250416X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-17	VTRP250417Z	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-18	VTRP250417X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-18	VTRP250418Z	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-21	VTRP250421X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-21	VTRP250421Z	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-21	VTRP250421Y	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-22	VTRP250422Z	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-23	VTRP250423X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-23	VTRP250423Y	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-23	VTRP250423Z	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-24	VTRP250424X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-29	VTRP250429X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-29	VTRP250429Y	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-05-22	VTRP250522X	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-02	VTRP250402Y	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-03	VTRP250403X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-03	VTRP250403Y	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-07	VTRP250407X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-07	VTRP250407Y	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-09	VTRP250409X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-10	VTRP250410X	--	--	--	--	0.1 U	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-11	VTRP250411Y	--	--	--	--	0.1 U	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	--	--	--	--	0.1 U	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-16	VTRP250416Z	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-16	VTRP250416Y	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-16	VTRP250416X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-17	VTRP250417Z	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-18	VTRP250417X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-18	VTRP250418Z	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-21	VTRP250421X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-21	VTRP250421Z	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-21	VTRP250421Y	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-22	VTRP250422Z	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-23	VTRP250423X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-23	VTRP250423Y	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-23	VTRP250423Z	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-24	VTRP250424X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-29	VTRP250429X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-04-29	VTRP250429Y	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	2025-05-22	VTRP250522X	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-02	VTRP250402Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-03	VTRP250403X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-03	VTRP250403Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-07	VTRP250407X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-07	VTRP250407Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-09	VTRP250409X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-10	VTRP250410X	--	--	--	0.1 U	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-11	VTRP250411Y	--	--	--	0.1 U	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	--	--	--	0.1 U	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-16	VTRP250416X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-17	VTRP250417Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-18	VTRP250417X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-18	VTRP250418Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-21	VTRP250421Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-22	VTRP250422Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-23	VTRP250423Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-24	VTRP250424X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-29	VTRP250429X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-04-29	VTRP250429Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	2025-05-22	VTRP250522X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Vinyl Chloride	1,1-Dichloro-propene	1,3-Dichloro-benzene	1,3-Dichloro-propane	2,2-Dichloro-propane	2-Methyl-1-Propanol
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-02	VTRP250402Y	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-03	VTRP250403X	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-03	VTRP250403Y	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-07	VTRP250407X	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-07	VTRP250407Y	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-09	VTRP250409X	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410X	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-11	VTRP250411Y	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-16	VTRP250416Z	0.01 DU	0.1 U	0.1 U	0.1 U	0.2 U	5 DU
VOA TRIP BLANK	2025-04-16	VTRP250416Y	0.01 DU	0.1 U	0.1 U	0.1 U	0.2 U	5 DU
VOA TRIP BLANK	2025-04-16	VTRP250416X	0.01 DU	0.1 U	0.1 U	0.1 U	0.2 U	5 DU
VOA TRIP BLANK	2025-04-17	VTRP250417Z	0.01 DU	0.1 U	0.1 U	0.1 U	0.2 U	5 DU
VOA TRIP BLANK	2025-04-18	VTRP250417X	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-18	VTRP250418Z	0.01 DU	0.1 U	0.1 U	0.1 U	0.2 U	5 DU
VOA TRIP BLANK	2025-04-21	VTRP250421X	0.01 DU	0.1 U	0.1 U	0.1 U	0.2 U	5 DU
VOA TRIP BLANK	2025-04-21	VTRP250421Z	0.01 DU	0.1 U	0.1 U	0.1 U	0.2 U	5 DU
VOA TRIP BLANK	2025-04-21	VTRP250421Y	0.01 DU	0.1 U	0.1 U	0.1 U	0.2 U	5 DU
VOA TRIP BLANK	2025-04-22	VTRP250422Z	0.01 DU	0.1 U	0.1 U	0.1 U	0.2 U	5 DU
VOA TRIP BLANK	2025-04-23	VTRP250423X	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-23	VTRP250423Y	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-23	VTRP250423Z	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-24	VTRP250424X	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-29	VTRP250429X	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-04-29	VTRP250429Y	0.01 DU	--	--	--	--	--
VOA TRIP BLANK	2025-05-22	VTRP250522X	0.01 DU	0.1 U	0.1 U	0.1 U	0.2 U	5 DU

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	3-Chloro-propene	Acetonitrile	Acrolein	Chloroprene	Methyl Meth-acrylate	Meth-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-02	VTRP250402Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-03	VTRP250403X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-03	VTRP250403Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-07	VTRP250407X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-07	VTRP250407Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-09	VTRP250409X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-11	VTRP250411Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-16	VTRP250416Z	0.1 U	10 DU	2.5 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-04-16	VTRP250416Y	0.1 U	10 DU	2.5 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-04-16	VTRP250416X	0.1 U	10 DU	2.5 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-04-17	VTRP250417Z	0.1 U	10 DU	2.5 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-04-18	VTRP250417X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-18	VTRP250418Z	0.1 U	10 DU	2.5 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-04-21	VTRP250421X	0.1 U	10 DU	2.5 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-04-21	VTRP250421Z	0.1 U	10 DU	2.5 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-04-21	VTRP250421Y	0.1 U	10 DU	2.5 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-04-22	VTRP250422Z	0.1 U	10 DU	2.5 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	2025-04-23	VTRP250423X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-23	VTRP250423Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-23	VTRP250423Z	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-24	VTRP250424X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-29	VTRP250429X	--	--	--	--	--	--
VOA TRIP BLANK	2025-04-29	VTRP250429Y	--	--	--	--	--	--
VOA TRIP BLANK	2025-05-22	VTRP250522X	0.1 U	10 DU	2.5 U	0.2 U	0.5 U	0.5 U

Table A-7
Groundwater – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Propionitrile
			µg/L
VOA TRIP BLANK	2025-04-02	VTRP250402X	--
VOA TRIP BLANK	2025-04-02	VTRP250402Y	--
VOA TRIP BLANK	2025-04-03	VTRP250403X	--
VOA TRIP BLANK	2025-04-03	VTRP250403Y	--
VOA TRIP BLANK	2025-04-07	VTRP250407X	--
VOA TRIP BLANK	2025-04-07	VTRP250407Y	--
VOA TRIP BLANK	2025-04-09	VTRP250409X	--
VOA TRIP BLANK	2025-04-10	VTRP250410X	--
VOA TRIP BLANK	2025-04-10	VTRP250410Y	--
VOA TRIP BLANK	2025-04-11	VTRP250411Y	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y2	--
VOA TRIP BLANK	2025-04-14	VTRP250414Y	--
VOA TRIP BLANK	2025-04-16	VTRP250416Z	5 U
VOA TRIP BLANK	2025-04-16	VTRP250416Y	5 U
VOA TRIP BLANK	2025-04-16	VTRP250416X	5 U
VOA TRIP BLANK	2025-04-17	VTRP250417Z	5 U
VOA TRIP BLANK	2025-04-18	VTRP250417X	--
VOA TRIP BLANK	2025-04-18	VTRP250418Z	5 U
VOA TRIP BLANK	2025-04-21	VTRP250421X	5 U
VOA TRIP BLANK	2025-04-21	VTRP250421Z	5 U
VOA TRIP BLANK	2025-04-21	VTRP250421Y	5 U
VOA TRIP BLANK	2025-04-22	VTRP250422Z	5 U
VOA TRIP BLANK	2025-04-23	VTRP250423X	--
VOA TRIP BLANK	2025-04-23	VTRP250423Y	--
VOA TRIP BLANK	2025-04-23	VTRP250423Z	--
VOA TRIP BLANK	2025-04-24	VTRP250424X	--
VOA TRIP BLANK	2025-04-29	VTRP250429X	--
VOA TRIP BLANK	2025-04-29	VTRP250429Y	--
VOA TRIP BLANK	2025-05-22	VTRP250522X	5 U

-- : Not part of sampling program.

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/11/2025	VTRP250711Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714Z	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714X	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/15/2025	VTRP250715X	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/15/2025	VTRP250715Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/16/2025	VTRP250716Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/17/2025	VTRP250717X	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/17/2025	VTRP250717Y	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/21/2025	VTRP250721Y	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/22/2025	VTRP250722Y	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/28/2025	VTRP250728Z	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/28/2025	VTRP250728Y	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/29/2025	VTRP250729Y	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/29/2025	VTRP250729X	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/11/2025	VTRP250711Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/15/2025	VTRP250715X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/15/2025	VTRP250715Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/16/2025	VTRP250716Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/17/2025	VTRP250717X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/17/2025	VTRP250717Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/21/2025	VTRP250721Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/22/2025	VTRP250722Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/28/2025	VTRP250728Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/28/2025	VTRP250728Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/29/2025	VTRP250729Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/29/2025	VTRP250729X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	7/11/2025	VTRP250711Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	7/14/2025	VTRP250714Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	7/14/2025	VTRP250714Z	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	7/14/2025	VTRP250714X	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	7/15/2025	VTRP250715X	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	7/15/2025	VTRP250715Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	7/16/2025	VTRP250716Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	7/17/2025	VTRP250717X	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	7/17/2025	VTRP250717Y	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	7/21/2025	VTRP250721Y	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	7/22/2025	VTRP250722Y	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	7/28/2025	VTRP250728Z	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	7/28/2025	VTRP250728Y	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	7/29/2025	VTRP250729Y	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	7/29/2025	VTRP250729X	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	7/11/2025	VTRP250711Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	7/14/2025	VTRP250714Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	7/14/2025	VTRP250714Z	--	--	--	4 U	4 U	--
VOA TRIP BLANK	7/14/2025	VTRP250714X	--	--	--	4 U	4 U	--
VOA TRIP BLANK	7/15/2025	VTRP250715X	--	--	--	4 U	4 U	--
VOA TRIP BLANK	7/15/2025	VTRP250715Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	7/16/2025	VTRP250716Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	7/17/2025	VTRP250717X	--	--	--	4 U	4 U	--
VOA TRIP BLANK	7/17/2025	VTRP250717Y	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	7/21/2025	VTRP250721Y	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	7/22/2025	VTRP250722Y	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	7/28/2025	VTRP250728Z	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	7/28/2025	VTRP250728Y	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	7/29/2025	VTRP250729Y	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	7/29/2025	VTRP250729X	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	--	0.5 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/11/2025	VTRP250711Y	--	0.5 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/14/2025	VTRP250714Y	--	0.5 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/14/2025	VTRP250714Z	--	0.5 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/14/2025	VTRP250714X	--	0.5 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/15/2025	VTRP250715X	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/15/2025	VTRP250715Y	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/16/2025	VTRP250716Y	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/17/2025	VTRP250717X	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/17/2025	VTRP250717Y	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/21/2025	VTRP250721Y	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/22/2025	VTRP250722Y	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/28/2025	VTRP250728Z	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/28/2025	VTRP250728Y	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/29/2025	VTRP250729Y	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	7/29/2025	VTRP250729X	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/11/2025	VTRP250711Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/15/2025	VTRP250715X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/15/2025	VTRP250715Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/16/2025	VTRP250716Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/17/2025	VTRP250717X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/17/2025	VTRP250717Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/21/2025	VTRP250721Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/22/2025	VTRP250722Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/28/2025	VTRP250728Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/28/2025	VTRP250728Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/29/2025	VTRP250729Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/29/2025	VTRP250729X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/11/2025	VTRP250711Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714Z	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714X	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/15/2025	VTRP250715X	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/15/2025	VTRP250715Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/16/2025	VTRP250716Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/17/2025	VTRP250717X	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/17/2025	VTRP250717Y	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/21/2025	VTRP250721Y	0.1 U	0.482	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/22/2025	VTRP250722Y	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/28/2025	VTRP250728Z	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/28/2025	VTRP250728Y	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/29/2025	VTRP250729Y	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	7/29/2025	VTRP250729X	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	7/11/2025	VTRP250711Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	7/14/2025	VTRP250714Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	7/14/2025	VTRP250714Z	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	7/14/2025	VTRP250714X	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	7/15/2025	VTRP250715X	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	7/15/2025	VTRP250715Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	7/16/2025	VTRP250716Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	7/17/2025	VTRP250717X	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	7/17/2025	VTRP250717Y	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	7/21/2025	VTRP250721Y	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	7/22/2025	VTRP250722Y	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	7/28/2025	VTRP250728Z	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	7/28/2025	VTRP250728Y	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	7/29/2025	VTRP250729Y	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	7/29/2025	VTRP250729X	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/11/2025	VTRP250711Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714Z	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/14/2025	VTRP250714X	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/15/2025	VTRP250715X	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/15/2025	VTRP250715Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/16/2025	VTRP250716Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/17/2025	VTRP250717X	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/17/2025	VTRP250717Y	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/21/2025	VTRP250721Y	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/22/2025	VTRP250722Y	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/28/2025	VTRP250728Z	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/28/2025	VTRP250728Y	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/29/2025	VTRP250729Y	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	7/29/2025	VTRP250729X	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/11/2025	VTRP250711Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/14/2025	VTRP250714Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/14/2025	VTRP250714Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/14/2025	VTRP250714X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/15/2025	VTRP250715X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/15/2025	VTRP250715Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/16/2025	VTRP250716Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/17/2025	VTRP250717X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/17/2025	VTRP250717Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/21/2025	VTRP250721Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/22/2025	VTRP250722Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/28/2025	VTRP250728Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/28/2025	VTRP250728Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/29/2025	VTRP250729Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	7/29/2025	VTRP250729X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Vinyl Chloride	Ethyl Methacrylate
			µg/L	µg/L
VOA TRIP BLANK	7/10/2025	VTRP250710Y	0.01 DU	--
VOA TRIP BLANK	7/11/2025	VTRP250711Y	0.01 DU	--
VOA TRIP BLANK	7/14/2025	VTRP250714Y	0.01 DU	--
VOA TRIP BLANK	7/14/2025	VTRP250714Z	0.01 DU	--
VOA TRIP BLANK	7/14/2025	VTRP250714X	0.01 DU	--
VOA TRIP BLANK	7/15/2025	VTRP250715X	0.01 DU	--
VOA TRIP BLANK	7/15/2025	VTRP250715Y	0.01 DU	--
VOA TRIP BLANK	7/16/2025	VTRP250716Y	0.01 DU	--
VOA TRIP BLANK	7/17/2025	VTRP250717X	0.01 DU	--
VOA TRIP BLANK	7/17/2025	VTRP250717Y	0.01 DU	0.2 U
VOA TRIP BLANK	7/21/2025	VTRP250721Y	0.01 DU	0.2 U
VOA TRIP BLANK	7/22/2025	VTRP250722Y	0.01 DU	0.2 U
VOA TRIP BLANK	7/28/2025	VTRP250728Z	0.01 DU	0.2 U
VOA TRIP BLANK	7/28/2025	VTRP250728Y	0.01 DU	0.2 U
VOA TRIP BLANK	7/29/2025	VTRP250729Y	0.01 DU	0.2 U
VOA TRIP BLANK	7/29/2025	VTRP250729X	0.01 DU	0.2 U

-- : Not part of sampling program.

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/2/2025	VTRP251002Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006X	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006Z	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008X	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008Z	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/9/2025	VTRP251009Z	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/14/2025	VTRP251014Z	--	--	--	--	--	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/15/2025	VTRP251015Z	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/16/2025	VTRP251016X	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/16/2025	VTRP251016Y	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/20/2025	VTRP251020X	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/21/2025	VTRP251021X	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/21/2025	VTRP251021Y	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/22/2025	VTRP251022Z	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/22/2025	VTRP251022X	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027Z	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027X	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027Y	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/28/2025	VTRP251028X	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/2/2025	VTRP251002Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/9/2025	VTRP251009Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/14/2025	VTRP251014Z	--	--	--	--	--	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/15/2025	VTRP251015Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/16/2025	VTRP251016X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/16/2025	VTRP251016Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/20/2025	VTRP251020X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/21/2025	VTRP251021X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/21/2025	VTRP251021Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/22/2025	VTRP251022Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/22/2025	VTRP251022X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027Z	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027Y	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/28/2025	VTRP251028X	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/2/2025	VTRP251002Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/6/2025	VTRP251006X	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/6/2025	VTRP251006Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/6/2025	VTRP251006Z	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/8/2025	VTRP251008X	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/8/2025	VTRP251008Z	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/8/2025	VTRP251008Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/9/2025	VTRP251009Z	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/14/2025	VTRP251014Z	--	--	--	--	--	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/15/2025	VTRP251015Z	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/16/2025	VTRP251016X	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/16/2025	VTRP251016Y	0.2 U	--	--	0.1 U	4 U	4 U
VOA TRIP BLANK	10/20/2025	VTRP251020X	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	10/21/2025	VTRP251021X	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	10/21/2025	VTRP251021Y	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	10/22/2025	VTRP251022Z	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	10/22/2025	VTRP251022X	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	10/27/2025	VTRP251027Z	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	10/27/2025	VTRP251027X	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	10/27/2025	VTRP251027Y	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
VOA TRIP BLANK	10/28/2025	VTRP251028X	0.2 U	--	--	0.1 U	4 U	4 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/2/2025	VTRP251002Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/6/2025	VTRP251006X	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/6/2025	VTRP251006Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/6/2025	VTRP251006Z	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/8/2025	VTRP251008X	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/8/2025	VTRP251008Z	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/8/2025	VTRP251008Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/9/2025	VTRP251009Z	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/14/2025	VTRP251014Z	--	--	--	--	--	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/15/2025	VTRP251015Z	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/16/2025	VTRP251016X	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/16/2025	VTRP251016Y	--	--	--	4 U	4 U	--
VOA TRIP BLANK	10/20/2025	VTRP251020X	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	10/21/2025	VTRP251021X	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	10/21/2025	VTRP251021Y	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	10/22/2025	VTRP251022Z	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	10/22/2025	VTRP251022X	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	10/27/2025	VTRP251027Z	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	10/27/2025	VTRP251027X	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	10/27/2025	VTRP251027Y	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
VOA TRIP BLANK	10/28/2025	VTRP251028X	--	--	--	4 U	4 U	--

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/2/2025	VTRP251002Y	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/6/2025	VTRP251006X	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/6/2025	VTRP251006Y	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/6/2025	VTRP251006Z	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/8/2025	VTRP251008X	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/8/2025	VTRP251008Z	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/8/2025	VTRP251008Y	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/9/2025	VTRP251009Z	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/14/2025	VTRP251014Z	--	--	--	--	--	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/15/2025	VTRP251015Z	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/16/2025	VTRP251016X	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/16/2025	VTRP251016Y	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/20/2025	VTRP251020X	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/21/2025	VTRP251021X	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/21/2025	VTRP251021Y	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/22/2025	VTRP251022Z	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/22/2025	VTRP251022X	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/27/2025	VTRP251027Z	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/27/2025	VTRP251027X	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/27/2025	VTRP251027Y	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
VOA TRIP BLANK	10/28/2025	VTRP251028X	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/2/2025	VTRP251002Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/9/2025	VTRP251009Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/14/2025	VTRP251014Z	--	--	--	--	--	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/15/2025	VTRP251015Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/16/2025	VTRP251016X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/16/2025	VTRP251016Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/20/2025	VTRP251020X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/21/2025	VTRP251021X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/21/2025	VTRP251021Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/22/2025	VTRP251022Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/22/2025	VTRP251022X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027Z	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027Y	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/28/2025	VTRP251028X	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/2/2025	VTRP251002Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006X	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006Z	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008X	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008Z	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/9/2025	VTRP251009Z	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/14/2025	VTRP251014Z	--	--	--	0.1 U	--	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/15/2025	VTRP251015Z	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/16/2025	VTRP251016X	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/16/2025	VTRP251016Y	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/20/2025	VTRP251020X	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/21/2025	VTRP251021X	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/21/2025	VTRP251021Y	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/22/2025	VTRP251022Z	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/22/2025	VTRP251022X	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027Z	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027X	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027Y	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
VOA TRIP BLANK	10/28/2025	VTRP251028X	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/2/2025	VTRP251002Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/6/2025	VTRP251006X	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/6/2025	VTRP251006Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/6/2025	VTRP251006Z	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/8/2025	VTRP251008X	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/8/2025	VTRP251008Z	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/8/2025	VTRP251008Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/9/2025	VTRP251009Z	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/14/2025	VTRP251014Z	--	--	--	--	--	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/15/2025	VTRP251015Z	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/16/2025	VTRP251016X	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/16/2025	VTRP251016Y	0.2 U	0.1 U	0.1 U	0.2 U	--	--
VOA TRIP BLANK	10/20/2025	VTRP251020X	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	10/21/2025	VTRP251021X	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	10/21/2025	VTRP251021Y	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	10/22/2025	VTRP251022Z	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	10/22/2025	VTRP251022X	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	10/27/2025	VTRP251027Z	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	10/27/2025	VTRP251027X	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	10/27/2025	VTRP251027Y	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
VOA TRIP BLANK	10/28/2025	VTRP251028X	0.2 U	0.1 U	0.1 U	0.2 U	--	--

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/2/2025	VTRP251002Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006X	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/6/2025	VTRP251006Z	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008X	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008Z	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/8/2025	VTRP251008Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/9/2025	VTRP251009Z	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/14/2025	VTRP251014Z	--	--	--	--	0.1 U	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/15/2025	VTRP251015Z	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/16/2025	VTRP251016X	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/16/2025	VTRP251016Y	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/20/2025	VTRP251020X	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/21/2025	VTRP251021X	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/21/2025	VTRP251021Y	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/22/2025	VTRP251022Z	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/22/2025	VTRP251022X	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027Z	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027X	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/27/2025	VTRP251027Y	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
VOA TRIP BLANK	10/28/2025	VTRP251028X	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/2/2025	VTRP251002Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/6/2025	VTRP251006X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/6/2025	VTRP251006Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/6/2025	VTRP251006Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/8/2025	VTRP251008X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/8/2025	VTRP251008Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/8/2025	VTRP251008Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/9/2025	VTRP251009Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/14/2025	VTRP251014Z	--	--	--	0.1 U	--	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/15/2025	VTRP251015Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/16/2025	VTRP251016X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/16/2025	VTRP251016Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/20/2025	VTRP251020X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/21/2025	VTRP251021X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/21/2025	VTRP251021Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/22/2025	VTRP251022Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/22/2025	VTRP251022X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/27/2025	VTRP251027Z	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/27/2025	VTRP251027X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/27/2025	VTRP251027Y	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
VOA TRIP BLANK	10/28/2025	VTRP251028X	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-7
Groundwater – Volatile Trip Blanks

Well	Sample Date	Sample ID	Vinyl Chloride	Ethyl Methacrylate
			µg/L	µg/L
VOA TRIP BLANK	10/2/2025	VTRP251002X	0.01 DU	--
VOA TRIP BLANK	10/2/2025	VTRP251002Y	0.01 DU	--
VOA TRIP BLANK	10/6/2025	VTRP251006X	0.01 DU	--
VOA TRIP BLANK	10/6/2025	VTRP251006Y	0.01 DU	--
VOA TRIP BLANK	10/6/2025	VTRP251006Z	0.01 DU	--
VOA TRIP BLANK	10/8/2025	VTRP251008X	0.01 DU	--
VOA TRIP BLANK	10/8/2025	VTRP251008Z	0.01 DU	--
VOA TRIP BLANK	10/8/2025	VTRP251008Y	0.01 DU	--
VOA TRIP BLANK	10/9/2025	VTRP251009Z	0.01 DU	--
VOA TRIP BLANK	10/14/2025	VTRP251014Z	0.01 DU	--
VOA TRIP BLANK	10/15/2025	VTRP251015Y	0.01 DU	--
VOA TRIP BLANK	10/15/2025	VTRP251015Z	0.01 DU	--
VOA TRIP BLANK	10/16/2025	VTRP251016X	0.01 DU	--
VOA TRIP BLANK	10/16/2025	VTRP251016Y	0.01 DU	--
VOA TRIP BLANK	10/20/2025	VTRP251020X	0.01 DU	0.2 U
VOA TRIP BLANK	10/21/2025	VTRP251021X	0.01 DU	0.2 U
VOA TRIP BLANK	10/21/2025	VTRP251021Y	0.01 DU	0.2 U
VOA TRIP BLANK	10/22/2025	VTRP251022Z	0.01 DU	0.2 U
VOA TRIP BLANK	10/22/2025	VTRP251022X	0.01 DU	0.2 U
VOA TRIP BLANK	10/27/2025	VTRP251027Z	0.01 DU	0.2 U
VOA TRIP BLANK	10/27/2025	VTRP251027X	0.01 DU	0.2 U
VOA TRIP BLANK	10/27/2025	VTRP251027Y	0.01 DU	0.2 U
VOA TRIP BLANK	10/28/2025	VTRP251028X	0.01 DU	--

Table A-7
Groundwater Field Blanks – Field Parameters

Location ID	Sample Date	Sample ID	Dissolved Oxygen, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	mV	pH units	µmhos/cm	deg C	NTU
FIELD BLANK	2025-01-07	W115250107F	--	--	5.8	0.6	6.793	--
FIELD BLANK	2025-01-15	W109250115F	--	--	7.88	0.6	5.737	--
FIELD BLANK	2025-04-02	W94-250402F	--	--	6.38	6.7	11.318	--
FIELD BLANK	2025-04-10	W81-250410F	--	--	7.27	0.4	13.39	--
FIELD BLANK	2025-04-21	W30A250421F	--	--	5.54	1.5	11.538	--
FIELD BLANK	2025-07-10	W74R250710F	--	--	7	0.7	18.498	--
FIELD BLANK	2025-10-06	W81-251006F	--	--	6.98	0.8	11.351	--
FIELD BLANK	2025-10-15	W60-251015F	--	--	6.64	1.1	7.725	--
FIELD BLANK	2025-10-22	W80-251022F	--	--	6.48	0.8	11.493	--

-- : Not part of sampling program.

Table A-7
Groundwater Field Blanks – Conventionals

Location ID	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Chloride	Nitrate	Specific Conductance
			mg/L	mg/L	mg/L	mg/L	mg/L	µmhos/cm
FIELD BLANK	2025-01-07	W115250107F		1 U	0.002 U	0.05 U	0.01 U	1.4 T
FIELD BLANK	2025-01-15	W109250115F	6.07	6.07	0.002 U	0.05 U	0.01 U	1.7 T
FIELD BLANK	2025-04-02	W94-250402F		1 U	0.0038 T	0.05 U	0.01 U	1.4 T
FIELD BLANK	2025-04-10	W81-250410F		1 U	0.002 U	0.05 U	0.01 U	1 U
FIELD BLANK	2025-04-21	W30A250421F	1 U	1 U	0.002 U	0.05 U	0.01 U	1.6 T
FIELD BLANK	2025-07-10	W74R250710F		1 U	0.002 U	0.05 U	0.01 U	2 T
FIELD BLANK	2025-10-06	W81-251006F		1 U	0.002 U	0.05 U	0.01 U	1.4 T
FIELD BLANK	2025-10-15	W60-251015F		1.1 T	0.002 U	0.05 U	0.01 U	1.3 T
FIELD BLANK	2025-10-22	W80-251022F	1.5 T	1.5 T	0.0145	0.05 U	0.01 U	2.3 T

Location ID	Sample Date	Sample ID	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
			mg/L	mg/L	mg/L	mg/L	mg/L
FIELD BLANK	2025-01-07	W115250107F	0.1 U	10 U	0.5 U	10 U	0.5 U
FIELD BLANK	2025-01-15	W109250115F	0.1 U	10 U	0.5 U	10 U	0.51 U
FIELD BLANK	2025-04-02	W94-250402F	0.1 U	10 U	0.5 U	10 U	0.53 U
FIELD BLANK	2025-04-10	W81-250410F	0.1 U	10 U	0.5 U	10 U	0.5 U
FIELD BLANK	2025-04-21	W30A250421F	0.1 U	10 U	0.5 U	10 U	0.5 U
FIELD BLANK	2025-07-10	W74R250710F	0.1 U	10 U	0.5 U	10 U	0.5 U
FIELD BLANK	2025-10-06	W81-251006F	0.1 U	10 U	0.5 U	10 U	0.5 U
FIELD BLANK	2025-10-15	W60-251015F	0.1 U	10 U	0.5 U	10 U	0.5 U
FIELD BLANK	2025-10-22	W80-251022F	0.1 U	10 U	0.5 U	10 U	0.5 U

-- : Not part of sampling program.

Table A-7
Groundwater Field Blanks – Metals (Dissolved and Total)

Location ID	Sample Date	Sample ID	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
FIELD BLANK	2025-01-07	W115250107F	0.0003 U	0.0003 U	0.000193	5E-05 U	0.00142	0.0005 U
FIELD BLANK	2025-01-15	W109250115F	0.0003 U	0.0003 U	5E-05 U	5E-05 U	0.0005 U	0.0005 U
FIELD BLANK	2025-04-02	W94-250402F	0.0003 U	0.0003 U	5E-05 U	5E-05 U	0.0005 U	0.0005 U
FIELD BLANK	2025-04-10	W81-250410F	0.0003 U	0.0003 U	5E-05 U	5E-05 U	0.0005 U	0.0005 U
FIELD BLANK	2025-04-21	W30A250421F	0.0003 U	0.0003 U	5E-05 U	5E-05 U	0.0005 U	0.0005 U
FIELD BLANK	2025-07-10	W74R250710F	0.0003 U	0.0003 U	5E-05 U	5E-05 U	0.0005 U	0.0005 U
FIELD BLANK	2025-10-06	W81-251006F	0.0003 U	0.0003 U	5E-05 U	5E-05 U	0.0005 U	0.0005 U
FIELD BLANK	2025-10-15	W60-251015F	0.0003 U	0.0003 U	5E-05 U	5E-05 U	0.0005 U	0.0005 U
FIELD BLANK	2025-10-22	W80-251022F	0.0003 U	0.0003 U	5E-05 U	5E-05 U	0.0005 U	0.0005 U

Location ID	Sample Date	Sample ID	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total	Calcium, Dissolved	Calcium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
FIELD BLANK	2025-01-07	W115250107F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	34.4	0.05 U
FIELD BLANK	2025-01-15	W109250115F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.05 U	0.05 U
FIELD BLANK	2025-04-02	W94-250402F	0.0001 DU	0.0001 U	5E-05 U	5E-05 U	0.05 U	0.05 U
FIELD BLANK	2025-04-10	W81-250410F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.05 U	0.05 U
FIELD BLANK	2025-04-21	W30A250421F	0.0001 U	0.0001 DU	5E-05 U	5E-05 U	0.05 U	0.05 U
FIELD BLANK	2025-07-10	W74R250710F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.05 U	0.05 U
FIELD BLANK	2025-10-06	W81-251006F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.05 U	0.05 U
FIELD BLANK	2025-10-15	W60-251015F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.05 U	0.05 U
FIELD BLANK	2025-10-22	W80-251022F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.05 U	0.05 U

Table A-7
Groundwater Field Blanks – Metals (Dissolved and Total)

Location ID	Sample Date	Sample ID	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
FIELD BLANK	2025-01-07	W115250107F	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.00028	0.0002 U
FIELD BLANK	2025-01-15	W109250115F	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U
FIELD BLANK	2025-04-02	W94-250402F	0.0002 U	0.000258	5E-05 U	5E-05 U	0.0002 U	0.0002 U
FIELD BLANK	2025-04-10	W81-250410F	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U
FIELD BLANK	2025-04-21	W30A250421F	0.000265	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.000257
FIELD BLANK	2025-07-10	W74R250710F	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U
FIELD BLANK	2025-10-06	W81-251006F	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U
FIELD BLANK	2025-10-15	W60-251015F	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U
FIELD BLANK	2025-10-22	W80-251022F	0.0002 U	0.0002 U	5E-05 U	5E-05 U	0.0002 U	0.0002 U

Location ID	Sample Date	Sample ID	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total	Magnesium, Dissolved	Magnesium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
FIELD BLANK	2025-01-07	W115250107F	0.01 U	0.01 U	0.0001 U	0.0001 U	14.8	0.05 U
FIELD BLANK	2025-01-15	W109250115F	0.01 U	0.01 U	0.0001 U	0.0001 U	0.05 U	0.05 U
FIELD BLANK	2025-04-02	W94-250402F	0.01 U	0.01 U	0.0001 U	0.0001 U	0.05 U	0.05 U
FIELD BLANK	2025-04-10	W81-250410F	0.01 U	0.01 DU	0.0001 U	0.0001 U	0.05 U	0.05 U
FIELD BLANK	2025-04-21	W30A250421F	0.01 U	0.01 U	0.0001 U	0.0001 DU	0.05 U	0.05 U
FIELD BLANK	2025-07-10	W74R250710F	0.01 U	0.01 U	0.0001 U	0.0001 U	0.05 U	0.05 U
FIELD BLANK	2025-10-06	W81-251006F	0.01 U	0.01 U	0.0001 U	0.0001 U	0.05 U	0.05 U
FIELD BLANK	2025-10-15	W60-251015F	0.01 U	0.01 U	0.0001 U	0.0001 U	0.05 U	0.05 U
FIELD BLANK	2025-10-22	W80-251022F	0.01 U	0.01 U	0.0001 U	0.0001 U	0.05 U	0.05 U

Table A-7
Groundwater Field Blanks – Metals (Dissolved and Total)

Location ID	Sample Date	Sample ID	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total	Nickel, Dissolved	Nickel, Total
			µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
FIELD BLANK	2025-01-07	W115250107F	0.00103	0.0001 U	5E-05 U	5E-05 U	0.000398	0.000121
FIELD BLANK	2025-01-15	W109250115F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.0001 U	0.0001 U
FIELD BLANK	2025-04-02	W94-250402F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.0001 U	0.000136
FIELD BLANK	2025-04-10	W81-250410F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.0001 U	0.0001 U
FIELD BLANK	2025-04-21	W30A250421F	0.0001 U	0.00012	5E-05 U	5E-05 U	0.000153	0.0001 U
FIELD BLANK	2025-07-10	W74R250710F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.0001 U	0.0001 U
FIELD BLANK	2025-10-06	W81-251006F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.0001 U	0.0001 U
FIELD BLANK	2025-10-15	W60-251015F	0.0001 U	0.0001 U	5E-05 U	5E-05 U	0.0001 U	0.0001 U
FIELD BLANK	2025-10-22	W80-251022F	0.000557	0.000116	5E-05 U	5E-05 U	0.0001 U	0.0001 U

Location ID	Sample Date	Sample ID	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
FIELD BLANK	2025-01-07	W115250107F	2.17	0.1 DU	0.0005 U	0.0005 U	4E-05 U	4E-05 U
FIELD BLANK	2025-01-15	W109250115F	0.1 U	0.1 U	0.0005 U	0.0005 U	4E-05 U	4E-05 U
FIELD BLANK	2025-04-02	W94-250402F	0.1 U	0.1 U	0.0005 U	0.0005 U	4E-05 U	4E-05 U
FIELD BLANK	2025-04-10	W81-250410F	0.1 U	0.1 U	0.0005 U	0.0005 U	4E-05 U	4E-05 U
FIELD BLANK	2025-04-21	W30A250421F	0.1 U	0.1 U	0.0005 U	0.0005 U	4E-05 U	4E-05 U
FIELD BLANK	2025-07-10	W74R250710F	0.1 U	0.1 U	0.0005 U	0.0005 U	4E-05 U	4E-05 U
FIELD BLANK	2025-10-06	W81-251006F	0.1 U	0.1 U	0.0005 U	0.0005 U	4E-05 U	4E-05 U
FIELD BLANK	2025-10-15	W60-251015F	0.1 U	0.1 U	0.0005 U	0.0005 U	4E-05 U	4E-05 U
FIELD BLANK	2025-10-22	W80-251022F	0.1 U	0.1 U	0.0005 U	0.0005 U	4E-05 U	4E-05 U

Table A-7
Groundwater Field Blanks – Metals (Dissolved and Total)

Location ID	Sample Date	Sample ID	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total	Vanadium, Dissolved	Vanadium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
FIELD BLANK	2025-01-07	W115250107F	8.55	0.1 DU	7.5E-05 U	7.5E-05 U	0.000649	7.5E-05 U
FIELD BLANK	2025-01-15	W109250115F	0.1 U	0.1 U	7.5E-05 U	7.5E-05 U	7.5E-05 U	7.5E-05 U
FIELD BLANK	2025-04-02	W94-250402F	0.1 U	0.1 U	7.5E-05 U	7.5E-05 U	0.000113	7.5E-05 DU
FIELD BLANK	2025-04-10	W81-250410F	0.1 U	0.1 U	7.5E-05 U	7.5E-05 U	7.5E-05 U	7.5E-05 U
FIELD BLANK	2025-04-21	W30A250421F	0.1 U	0.1 U	7.5E-05 U	7.5E-05 DU	0.000133	7.5E-05 U
FIELD BLANK	2025-07-10	W74R250710F	0.1 U	0.1 U	7.5E-05 U	7.5E-05 U	0.00011	0.000119
FIELD BLANK	2025-10-06	W81-251006F	0.1 U	0.1 U	7.5E-05 DU	7.5E-05 U	7.5E-05 U	7.5E-05 DU
FIELD BLANK	2025-10-15	W60-251015F	0.1 U	0.1 U	7.5E-05 DU	7.5E-05 U	7.5E-05 U	7.5E-05 U
FIELD BLANK	2025-10-22	W80-251022F	0.1 U	0.1 U	7.5E-05 U	7.5E-05 U	7.5E-05 U	7.5E-05 DU

Location ID	Sample Date	Sample ID	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L
FIELD BLANK	2025-01-07	W115250107F	0.0005 U	0.0005 U
FIELD BLANK	2025-01-15	W109250115F	0.0005 U	0.0005 U
FIELD BLANK	2025-04-02	W94-250402F	0.0005 U	0.0005 U
FIELD BLANK	2025-04-10	W81-250410F	0.0005 U	0.0005 U
FIELD BLANK	2025-04-21	W30A250421F	0.0005 U	0.000549
FIELD BLANK	2025-07-10	W74R250710F	0.0005 U	0.0005 U
FIELD BLANK	2025-10-06	W81-251006F	0.0005 U	0.0005 U
FIELD BLANK	2025-10-15	W60-251015F	0.0005 U	0.0005 U
FIELD BLANK	2025-10-22	W80-251022F	0.000546	0.0005 U

-- : Not part of sampling program.

Table A-7
Groundwater Field Blanks – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FB-WG	FIELD BLANK	2025-01-07	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-01-15	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-04-02	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-04-10	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-04-11	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-04-21	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-07-10	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-10-06	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-10-14	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-10-15	0.1 U	0.1 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-10-22	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FB-WG	FIELD BLANK	2025-01-07	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-01-15	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-04-02	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-04-10	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-04-11	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-04-21	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-07-10	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-10-06	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-10-14	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-10-15	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-10-22	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U

Table A-7
Groundwater Field Blanks – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FB-WG	FIELD BLANK	2025-01-07	0.2 U	--	--	0.1 U	4 U	4 U
FB-WG	FIELD BLANK	2025-01-15	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
FB-WG	FIELD BLANK	2025-04-02	0.2 U	--	--	0.1 U	4 U	4 U
FB-WG	FIELD BLANK	2025-04-10	0.2 U	--	--	0.1 U	4 U	4 U
FB-WG	FIELD BLANK	2025-04-11	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-04-21	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U
FB-WG	FIELD BLANK	2025-07-10	0.2 U	--	--	0.1 U	4 U	4 U
FB-WG	FIELD BLANK	2025-10-06	0.2 U	--	--	0.1 U	4 U	4 U
FB-WG	FIELD BLANK	2025-10-14	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-10-15	0.2 U	--	--	0.1 U	4 U	4 U
FB-WG	FIELD BLANK	2025-10-22	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FB-WG	FIELD BLANK	2025-01-07	--	--	--	4 U	4 U	--
FB-WG	FIELD BLANK	2025-01-15	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
FB-WG	FIELD BLANK	2025-04-02	--	--	--	4 U	4 U	--
FB-WG	FIELD BLANK	2025-04-10	--	--	--	4 U	4 U	--
FB-WG	FIELD BLANK	2025-04-11	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-04-21	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU
FB-WG	FIELD BLANK	2025-07-10	--	--	--	4 U	4 U	--
FB-WG	FIELD BLANK	2025-10-06	--	--	--	4 U	4 U	--
FB-WG	FIELD BLANK	2025-10-14	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-10-15	--	--	--	4 U	4 U	--
FB-WG	FIELD BLANK	2025-10-22	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU

Table A-7
Groundwater Field Blanks – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FB-WG	FIELD BLANK	2025-01-07	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
FB-WG	FIELD BLANK	2025-01-15	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
FB-WG	FIELD BLANK	2025-04-02	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
FB-WG	FIELD BLANK	2025-04-10	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
FB-WG	FIELD BLANK	2025-04-11	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-04-21	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
FB-WG	FIELD BLANK	2025-07-10	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
FB-WG	FIELD BLANK	2025-10-06	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
FB-WG	FIELD BLANK	2025-10-14	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-10-15	--	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U
FB-WG	FIELD BLANK	2025-10-22	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FB-WG	FIELD BLANK	2025-01-07	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-01-15	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-04-02	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-04-10	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-04-11	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-04-21	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-07-10	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-10-06	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-10-14	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-10-15	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-10-22	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U

Table A-7
Groundwater Field Blanks – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FB-WG	FIELD BLANK	2025-01-07	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-01-15	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-04-02	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-04-10	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-04-11	--	--	--	0.1 U	--	--
FB-WG	FIELD BLANK	2025-04-21	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-07-10	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-10-06	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-10-14	--	--	--	0.1 U	--	--
FB-WG	FIELD BLANK	2025-10-15	0.1 U	0.2 U	--	0.1 U	0.2 U	0.1 U
FB-WG	FIELD BLANK	2025-10-22	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FB-WG	FIELD BLANK	2025-01-07	0.2 U	0.1 U	0.1 U	0.2 U	--	--
FB-WG	FIELD BLANK	2025-01-15	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
FB-WG	FIELD BLANK	2025-04-02	0.2 U	0.1 U	0.1 U	0.2 U	--	--
FB-WG	FIELD BLANK	2025-04-10	0.2 U	0.1 U	0.1 U	0.2 U	--	--
FB-WG	FIELD BLANK	2025-04-11	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-04-21	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U
FB-WG	FIELD BLANK	2025-07-10	0.2 U	0.1 U	0.1 U	0.2 U	--	--
FB-WG	FIELD BLANK	2025-10-06	0.2 U	0.1 U	0.1 U	0.2 U	--	--
FB-WG	FIELD BLANK	2025-10-14	--	--	--	--	--	--
FB-WG	FIELD BLANK	2025-10-15	0.2 U	0.1 U	0.1 U	0.2 U	--	--
FB-WG	FIELD BLANK	2025-10-22	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U

Table A-7
Groundwater Field Blanks – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FB-WG	FIELD BLANK	2025-01-07	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-01-15	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-04-02	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-04-10	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-04-11	--	--	--	--	0.1 U	--
FB-WG	FIELD BLANK	2025-04-21	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-07-10	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-10-06	2 U	0.1 U	--	0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-10-14	--	--	--	--	0.1 U	--
FB-WG	FIELD BLANK	2025-10-15	2 U	0.1 U		0.1 U	0.1 U	0.1 U
FB-WG	FIELD BLANK	2025-10-22	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
FB-WG	FIELD BLANK	2025-01-07	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
FB-WG	FIELD BLANK	2025-01-15	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
FB-WG	FIELD BLANK	2025-04-02	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
FB-WG	FIELD BLANK	2025-04-10	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
FB-WG	FIELD BLANK	2025-04-11	--	--	--	0.1 U	--	--
FB-WG	FIELD BLANK	2025-04-21	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
FB-WG	FIELD BLANK	2025-07-10	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
FB-WG	FIELD BLANK	2025-10-06	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
FB-WG	FIELD BLANK	2025-10-14	--	--	--	0.1 U	--	--
FB-WG	FIELD BLANK	2025-10-15	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
FB-WG	FIELD BLANK	2025-10-22	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Table A-7
Groundwater Field Blanks – Volatile Organic Compound Trip Blanks

Well	Sample Date	Sample ID	Vinyl Chloride
			µg/L
FB-WG	FIELD BLANK	2025-01-07	0.01 DU
FB-WG	FIELD BLANK	2025-01-15	0.01 DU
FB-WG	FIELD BLANK	2025-04-02	0.01 DU
FB-WG	FIELD BLANK	2025-04-10	0.01 DU
FB-WG	FIELD BLANK	2025-04-11	0.01 DU
FB-WG	FIELD BLANK	2025-04-21	0.01 DU
FB-WG	FIELD BLANK	2025-07-10	0.01 DU
FB-WG	FIELD BLANK	2025-10-06	0.01 DU
FB-WG	FIELD BLANK	2025-10-14	0.01 DU
FB-WG	FIELD BLANK	2025-10-15	0.01 DU
FB-WG	FIELD BLANK	2025-10-22	0.01 DU

-- : Not part of sampling program.

Table A-7
Groundwater Method Blanks – Dissolved Gasses

Well	Sample Date	Sample ID	Ethane	Ethylene	Methane	Methyl-tert-butyl-ether-d3 (S)
			ug/l	ug/l	ug/l	ug/l
METHOD BLANK	2025-01-27	1702467BLANK	0.95 J	0.95 J	10 U	52.6
METHOD BLANK	2025-01-28	1702995BLANK	5 U	0.9 J	10 U	49.8
METHOD BLANK	2025-01-30	1703695BLANK	5 U	5 U	10 U	51.8
METHOD BLANK	2025-04-10	R4198082-2BLANK	0.013 U	0.013 U	0.01 U	--
METHOD BLANK	2025-07-31	5323441BLANK	10 U	10 U	10 U	--
METHOD BLANK	2025-08-07	5330590BLANK	10 U	10 U	10 U	--
METHOD BLANK	2025-11-01	5406347BLANK	10 U	10 U	10 U	--
METHOD BLANK	2025-11-06	5411198BLANK	10 U	10 U	10 U	--

-- : Not part of sampling program.

Table A-8
Groundwater - Appendix III Analytes

Well	Sample Date	Sample ID	1-Naphthyl-amine	1,2,4-Trichloro-benzene	1,2,4,5-Tetrachloro-benzene	1,3,5-Trinitro-benzene	1,4-Naphtho-quinone
			µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	5.3 GU	0.53 U	1.1 U	1.1 U	2.1 U
MW-47	2025-10-27	W47-251027-	5.1 GU	0.51 U	1 U	1 U	2 U
MW-101	2025-10-27	W101251027-	5.6 GU	0.56 U	1.1 U	1.1 U	2.2 U

Well	Sample Date	Sample ID	2-Acetylamino-fluorene	2-Chloro-naphthalene	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Naphthyl-amine
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	2.1 U	0.53 U	0.53 U	0.025 U	0.53 U	5.3 GU
MW-47	2025-10-27	W47-251027-	2 U	0.51 U	0.51 U	0.026 U	0.51 U	5.1 GU
MW-101	2025-10-27	W101251027-	2.2 U	0.56 U	0.56 U	0.026 U	0.56 U	5.6 GU

Well	Sample Date	Sample ID	2-Nitro-aniline	2-Nitro-phenol	2,2-Oxybis (1-Chloro-propane)	2,3,7,8-TCDD, Total	2,4-D	2,4-Dichloro-phenol
			µg/L	µg/L	µg/L	pg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	1.1 U	0.21 U	0.53 U	4.9	0.05 U	0.53 U
MW-47	2025-10-27	W47-251027-	1 U	0.2 U	0.51 U	5.19	0.05 U	0.51 U
MW-101	2025-10-27	W101251027-	1.1 U	0.22 U	0.56 U	4.91	0.0505 U	0.56 U

Well	Sample Date	Sample ID	2,4-Dimethyl-phenol	2,4-Dinitro-phenol	2,4-Dinitro-toluene	2,4,5-T	2,4,5-TP Silvex	2,4,5-Trichloro-phenol
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	2.1 U	11 U	1.1 U	0.05 U	0.05 U	1.1 U
MW-47	2025-10-27	W47-251027-	2 U	10 U	1 U	0.05 U	0.05 U	1 U
MW-101	2025-10-27	W101251027-	2.2 U	11 U	1.1 U	0.0505 U	0.0505 U	1.1 U

Table A-8
Groundwater - Appendix III Analytes

Well	Sample Date	Sample ID	2,4,6-Trichloro-phenol	2,6-Dichloro-phenol	2,6-Dinitro-toluene	3-Methyl-chlora-nthrene	3-Nitro-aniline	3,3'-Dimethyl-benzidine
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	1.1 U	0.53 U	1.1 U	0.53 U	1.1 U	2.1 U
MW-47	2025-10-27	W47-251027-	1 U	0.51 U	1 U	0.51 U	1 U	2 GU
MW-101	2025-10-27	W101251027-	1.1 U	0.56 U	1.1 U	0.56 U	1.1 U	2.2 U

Well	Sample Date	Sample ID	3,3-Dichloro-benzidine	4-Amino-biphenyl	4-Bromo-phenyl Phenyl Ether	4-Chloro-3-Methyl-phenol	4-Chlorophenyl Phenyl Ether	4-Dimethyl-aminoazo-benzene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.21 U	2.1 U	0.53 U	0.53 U	0.53 U	1.1 U
MW-47	2025-10-27	W47-251027-	0.2 U	2 U	0.51 U	0.51 U	0.51 U	1 U
MW-101	2025-10-27	W101251027-	0.22 U	2.2 U	0.56 U	0.56 U	0.56 U	1.1 U

Well	Sample Date	Sample ID	4-Nitro-aniline	4-Nitro-phenol	4,4'DDD	4,4'DDE	4,4'DDT	4,6-Dinitro-2-Methyl-phenol
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	5.3 U	5.3 U	0.00526 U	0.00526 U	0.00526 U	1.1 U
MW-47	2025-10-27	W47-251027-	5.1 U	5.1 U	0.005 U	0.005 U	0.005 U	1 U
MW-101	2025-10-27	W101251027-	5.6 U	5.6 U	0.00532 U	0.00532 U	0.00532 U	1.1 U

Table A-8
Groundwater - Appendix III Analytes

Well	Sample Date	Sample ID	5-Nitro-O-Toluidine	7,12-Dimethyl-benz(A) Anthracene	Acena-phthylene	Acena-pthalene	Aceto-phenone	Aldrin
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	5.3 U	0.53 U	0.025 U	0.025 U	0.53 U	0.00526 U
MW-47	2025-10-27	W47-251027-	5.1 U	0.51 U	0.026 U	0.026 U	0.51 U	0.005 U
MW-101	2025-10-27	W101251027-	5.6 U	0.56 U	0.026 U	0.026 U	0.56 U	0.00532 U

Well	Sample Date	Sample ID	Alpha BHC	Alpha Chlordane	Anthra-cene	Aroclor 1016	Aroclor 1221	Aroclor 1232
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.00526 U	0.00526 U	0.05 U	0.00658 U	0.00658 U	0.00658 U
MW-47	2025-10-27	W47-251027-	0.005 U	0.005 U	0.053 U	0.00665 U	0.00665 U	0.00665 U
MW-101	2025-10-27	W101251027-	0.00532 U	0.00532 U	0.052 U	0.00694 U	0.00694 U	0.00694 U

Well	Sample Date	Sample ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Benzo(A) Anthra-cene	Benzo(A) Pyrene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.00658 U	0.00658 U	0.00658 U	0.00658 U	0.05 U	0.008 U
MW-47	2025-10-27	W47-251027-	0.00665 U	0.00665 U	0.00665 U	0.00665 U	0.053 U	0.00842 U
MW-101	2025-10-27	W101251027-	0.00694 U	0.00694 U	0.00694 U	0.00694 U	0.052 U	0.00825 U

Well	Sample Date	Sample ID	Benzo (G,H,I) Perylene	Benzyl Alcohol	Beta BHC	Bis (2-Chloroethoxy) Methane	Bis (2-Chloroethyl) Ether	Bis (2-Ethylhexyl) Phthalate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.05 U	5.3 U	0.00526 U	0.53 U	0.0745 U	6.03
MW-47	2025-10-27	W47-251027-	0.053 U	5.1 U	0.005 U	0.51 U	0.0714 U	0.53 U
MW-101	2025-10-27	W101251027-	0.052 U	5.6 U	0.00532 U	0.56 U	0.0787 U	1.08

Table A-8
Groundwater - Appendix III Analytes

Well	Sample Date	Sample ID	Butyl-benzyl-phthalate	Chlord-econe (Kepone)	Chloro-benzilate	Chloro-phenols	Chrysene
			µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	1 U	2.1 U	0.53 U	1.1 U	0.05 U
MW-47	2025-10-27	W47-251027-	1.1 U	2 U	0.51 U	1 U	0.053 U
MW-101	2025-10-27	W101251027-	1 U	2.2 U	0.56 U	1.1 U	0.052 U

Well	Sample Date	Sample ID	Cyanide	Cygon	Delta BHC	Di-N-Butyl-phthalate	Di-N-Octyl Phthalate	Diallate
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.002 U	0.1 U	0.00526 U	1 U	1 U	0.04 U
MW-47	2025-10-27	W47-251027-	0.002 U	0.105 U	0.005 U	1.1 U	1.1 U	0.0421 U
MW-101	2025-10-27	W101251027-	0.002 U	0.103 U	0.00532 U	1 U	1 U	0.0412 U

Well	Sample Date	Sample ID	Dibenzo(A,H) Anthracene	Dibenzo-furan	Dieldrin	Diethyl-phthalate	Dimethyl-phthalate	Dinoseb
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.05 U	0.53 U	0.00526 U	0.5 U	1 U	0.05 U
MW-47	2025-10-27	W47-251027-	0.053 U	0.51 U	0.005 U	0.53 U	1.1 U	0.05 U
MW-101	2025-10-27	W101251027-	0.052 U	0.56 U	0.00532 U	0.67 JT	1 U	0.0505 U

Well	Sample Date	Sample ID	Di-phenyl-amine	Disulfoton	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin Aldehyde
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.53 U	0.04 U	0.00526 U	0.00526 U	0.00526 U	0.00526 U
MW-47	2025-10-27	W47-251027-	0.51 U	0.0421 U	0.005 U	0.005 U	0.005 U	0.005 U
MW-101	2025-10-27	W101251027-	0.56 U	0.0412 U	0.00532 U	0.00532 U	0.00532 U	0.00532 U

Table A-8
Groundwater - Appendix III Analytes

Well	Sample Date	Sample ID	Endrin	Ethyl Methane-sulfonate	Famphur	Fluor-anthene	Fluorene
			µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.00526 U	0.53 U	0.04 U	0.05 U	0.05 U
MW-47	2025-10-27	W47-251027-	0.005 U	0.51 U	0.0421 U	0.053 U	0.053 U
MW-101	2025-10-27	W101251027-	0.00532 U	0.56 U	0.0412 U	0.052 U	0.052 U

Well	Sample Date	Sample ID	Heptachlor Epoxide	Heptachlor	Hexa-chloro-benzene	Hexa-chloro-butadien e	Hexachloro-cyclo-pentadiene
			µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.00526 U	0.00526 U	0.21 U	2.1 U	5.3 U
MW-47	2025-10-27	W47-251027-	0.005 U	0.005 U	0.2 U	2 U	5.1 U
MW-101	2025-10-27	W101251027-	0.00532 U	0.00532 U	0.22 U	2.2 U	5.6 U

Well	Sample Date	Sample ID	Hexa-chloro-ethane	Hexachloro propene	Indeno(1, 2,3-C,D) Pyrene	Isodrin	Isophorone	Isosafrole
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	5.3 U	2.1 U	0.05 U	0.00526 U	0.53 U	0.53 U
MW-47	2025-10-27	W47-251027-	5.1 U	2 U	0.053 U	0.005 U	0.51 U	0.51 U
MW-101	2025-10-27	W101251027-	5.6 U	2.2 U	0.052 U	0.00532 U	0.56 U	0.56 U

Well	Sample Date	Sample ID	Lindane (Gamma BHC)	M-Dinitro-benzene	Metha-pyrilene	Methoxy-chlor	Methyl Meth-acrylate
			µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.00526 U	1.1 U	1.1 GU	0.0263 U	0.5 U
MW-47	2025-10-27	W47-251027-	0.005 U	1 U	1 GU	0.025 U	0.5 U
MW-101	2025-10-27	W101251027-	0.00532 U	1.1 U	1.1 GU	0.0266 U	0.5 U

Table A-8
Groundwater - Appendix III Analytes

Well	Sample Date	Sample ID	Methyl Methane-sulfonate	Methyl Parathion	N-Nitroso-di-N-Butylamine	N-Nitroso-diethyl-amine	N-Nitroso-dimethyl-amine	N-Nitroso-dipropyl-amine
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.53 U	0.04 U	0.532 U	0.213 U	0.53 U	0.53 U
MW-47	2025-10-27	W47-251027-	0.51 U	0.0421 U	0.51 U	0.204 U	0.51 U	0.51 U
MW-101	2025-10-27	W101251027-	0.56 U	0.0412 U	0.562 U	0.225 U	0.56 U	0.56 U

Well	Sample Date	Sample ID	N-Nitroso-methylethal-amine	N-Nitroso-piper-idine	N-Nitroso-pyrrol-idine	Naph-thalene	Nitro-benzene	O-Toluidine
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	1.06 U	1.1 U	1.1 U	0.025 U	0.53 U	0.213 U
MW-47	2025-10-27	W47-251027-	1.02 U	1 U	1 U	0.026 U	0.51 U	0.204 U
MW-101	2025-10-27	W101251027-	1.12 U	1.1 U	1.1 U	0.026 U	0.56 U	0.225 U

Well	Sample Date	Sample ID	O,O-Diethyl O-Pyrazinyl Phosphoro-thioate	O,O,O-Triethyl Phosphoro-thioate	P-Chloro-aniline	P-Phenylene-diamine	Parathion	Penta-chloro-benzene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.04 U	0.04 U	1.1 U	10.6 GU	0.04 U	0.53 U
MW-47	2025-10-27	W47-251027-	0.0421 U	0.0421 U	1 U	10.2 GU	0.0421 U	0.51 U
MW-101	2025-10-27	W101251027-	0.0412 U	0.0412 U	1.1 U	11.2 GU	0.0412 U	0.56 U

Well	Sample Date	Sample ID	Penta-chloro-nitro-benzene	Penta-chloro-phenol	Phenacetin	Phenanthrene	Phenol	Phent-ermine
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	1.1 U	1.06 U	1.1 U	0.05 U	0.53 U	5.3 GU
MW-47	2025-10-27	W47-251027-	1 U	1.02 U	1 U	0.053 U	0.51 U	5.1 GU
MW-101	2025-10-27	W101251027-	1.1 U	1.12 U	1.1 U	0.052 U	0.56 U	5.6 GU

Table A-8
Groundwater - Appendix III Analytes

Well	Sample Date	Sample ID	Phorate	Prop-yzamide	Pyrene	Safrole	Sulfide	Tin, Total
			µg/L	µg/L	µg/L	µg/L	mg/L	mg/L
MW-30A	2025-10-27	W30A251027-	0.04 U	0.04 U	0.05 U	1.1 U	0.01 U	0.0005 U
MW-47	2025-10-27	W47-251027-	0.0421 U	0.0421 U	0.053 U	1 U	0.01 U	0.0005 U
MW-101	2025-10-27	W101251027-	0.0412 U	0.0412 U	0.052 U	1.1 U	0.01 U	0.0005 U

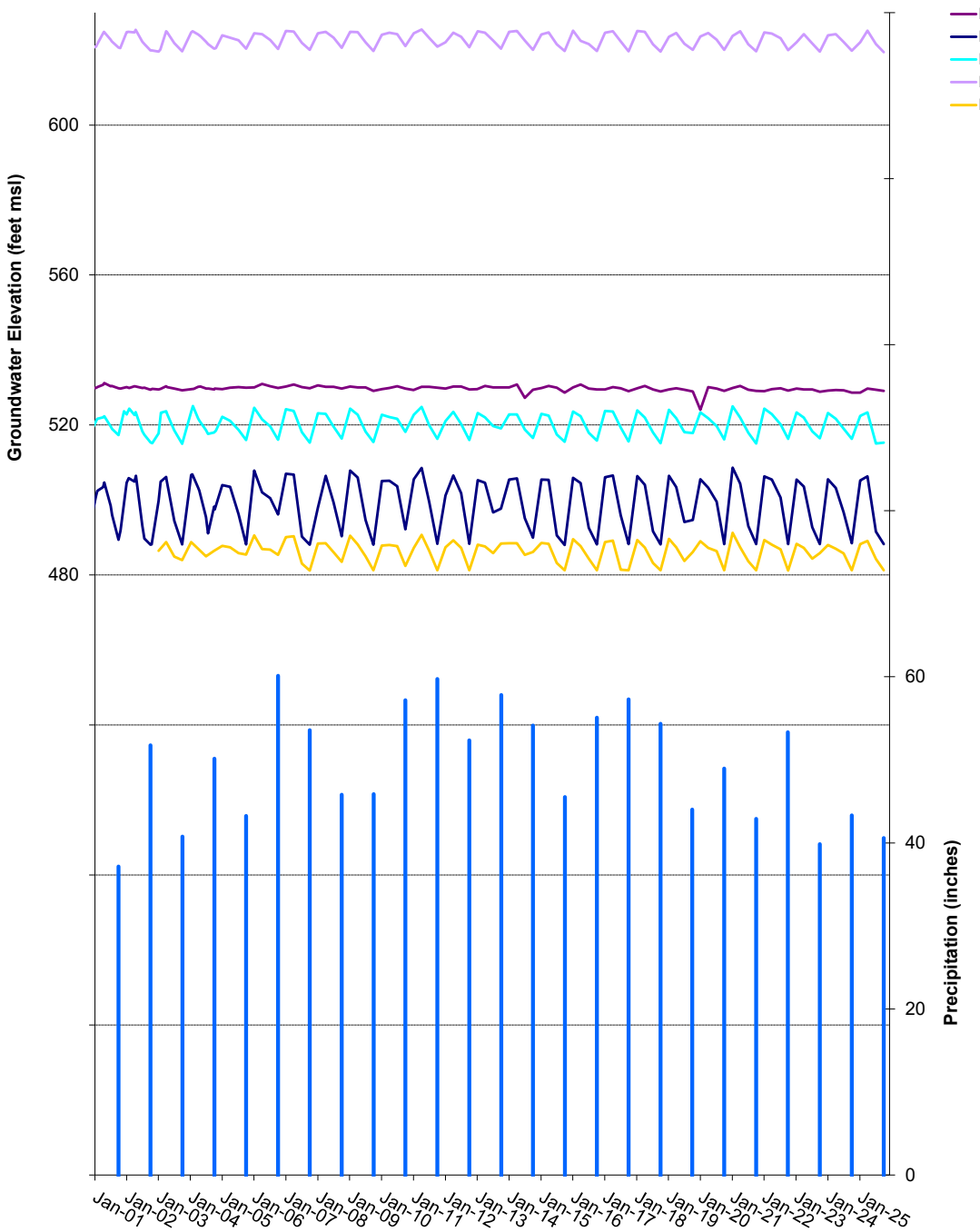
Well	Sample Date	Sample ID	Toxaphene	Trans-Chlordane
			µg/L	µg/L
MW-30A	2025-10-27	W30A251027-	0.263 U	0.00526 U
MW-47	2025-10-27	W47-251027-	0.25 U	0.005 U
MW-101	2025-10-27	W101251027-	0.266 U	0.00532 U

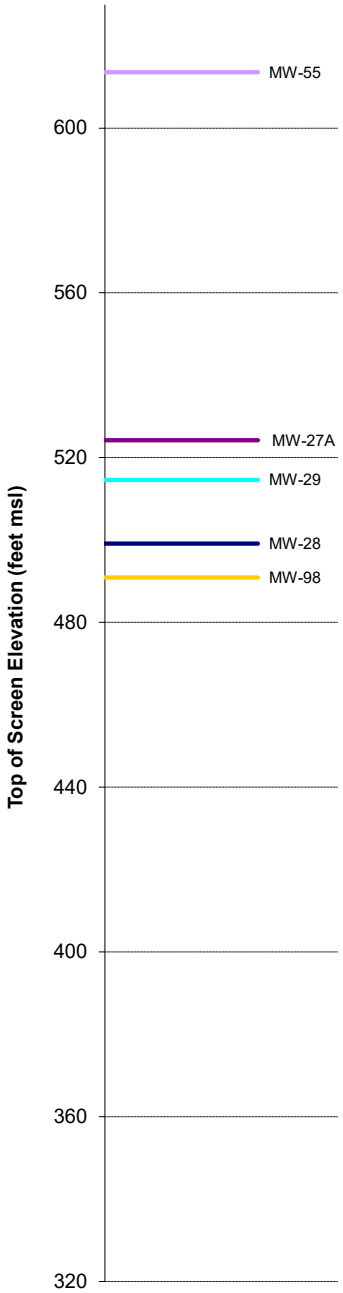
-- : Not part of sampling program.

APPENDIX B

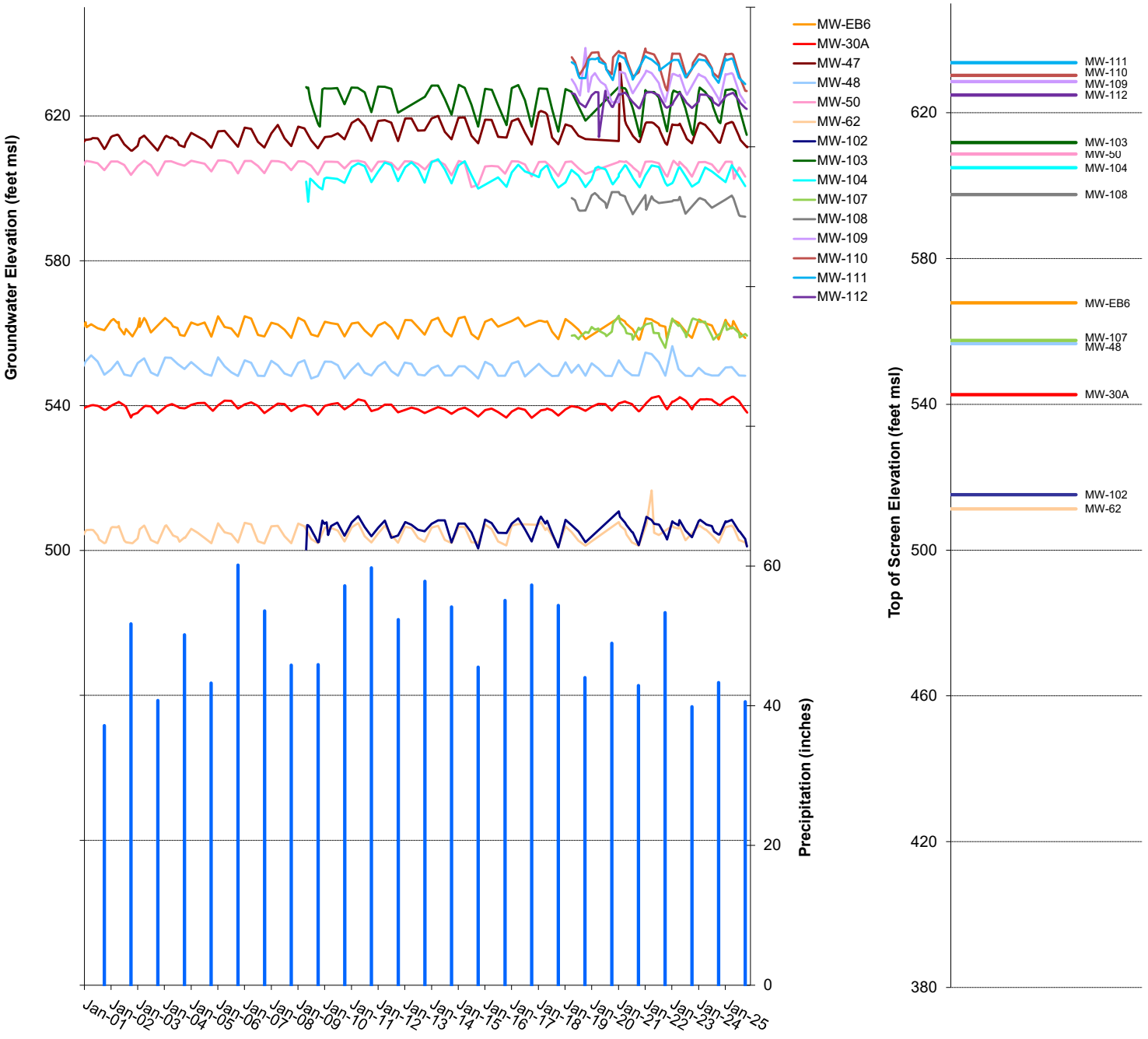
Groundwater Elevations
And
Time Concentration Plots

PERCHED ZONES GROUNDWATER ELEVATIONS
NORTH AND WEST WELLS

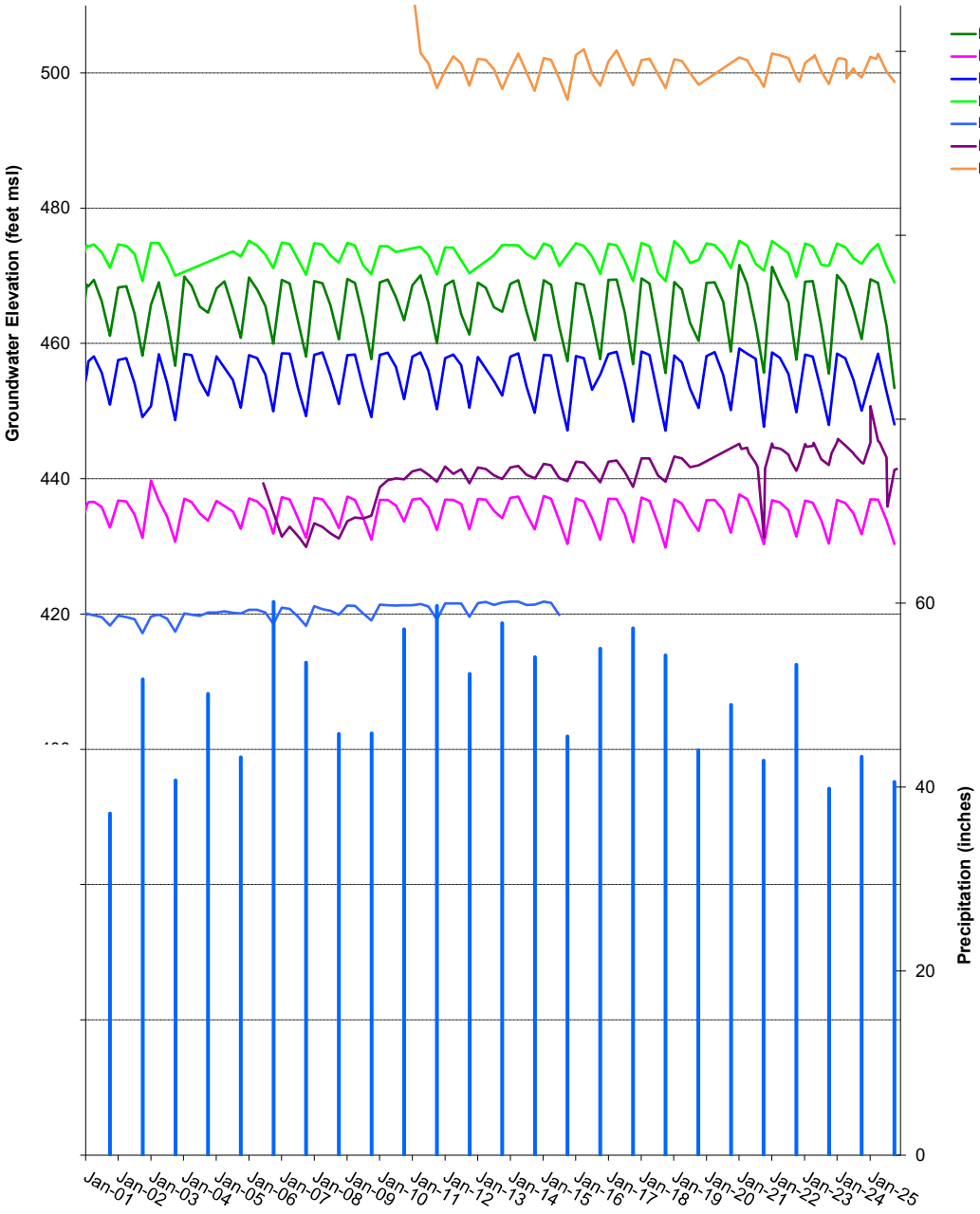


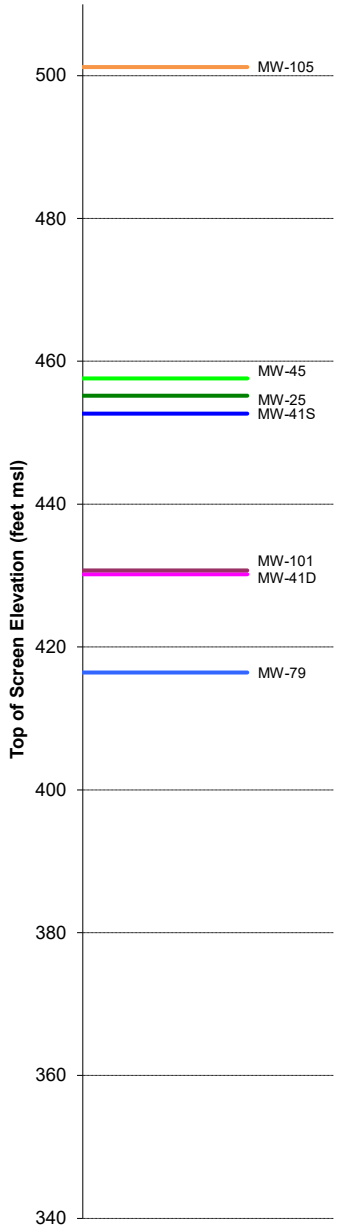


PERCHED ZONES GROUNDWATER ELEVATIONS
EAST MAIN HILL



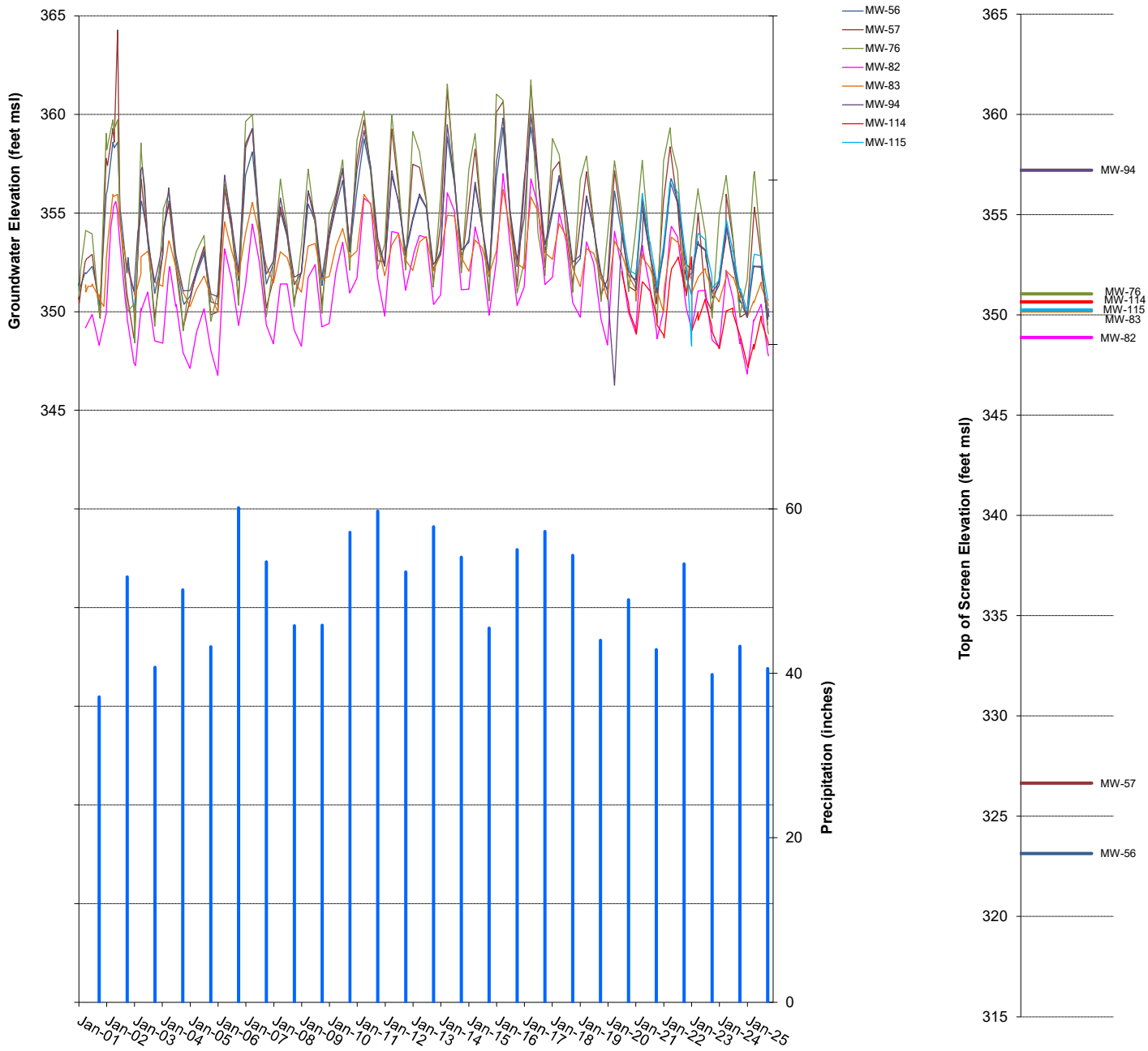
PERCHED ZONES GROUNDWATER ELEVATIONS
SOUTH SOLID WASTE AREA





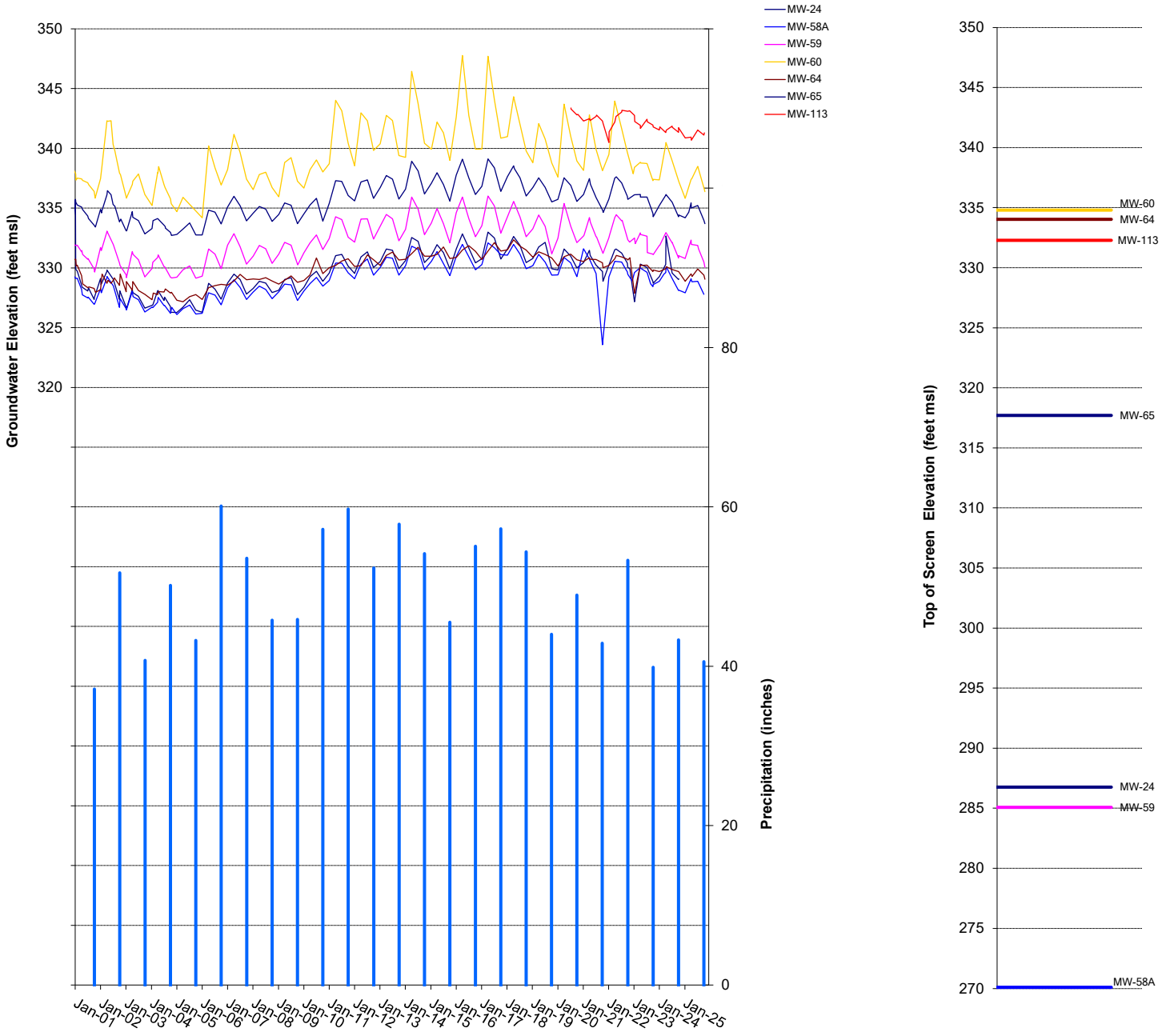
REGIONAL AQUIFER GROUNDWATER ELEVATIONS

POTENTIOMETRIC SURFACE 345-365 FT. MSL



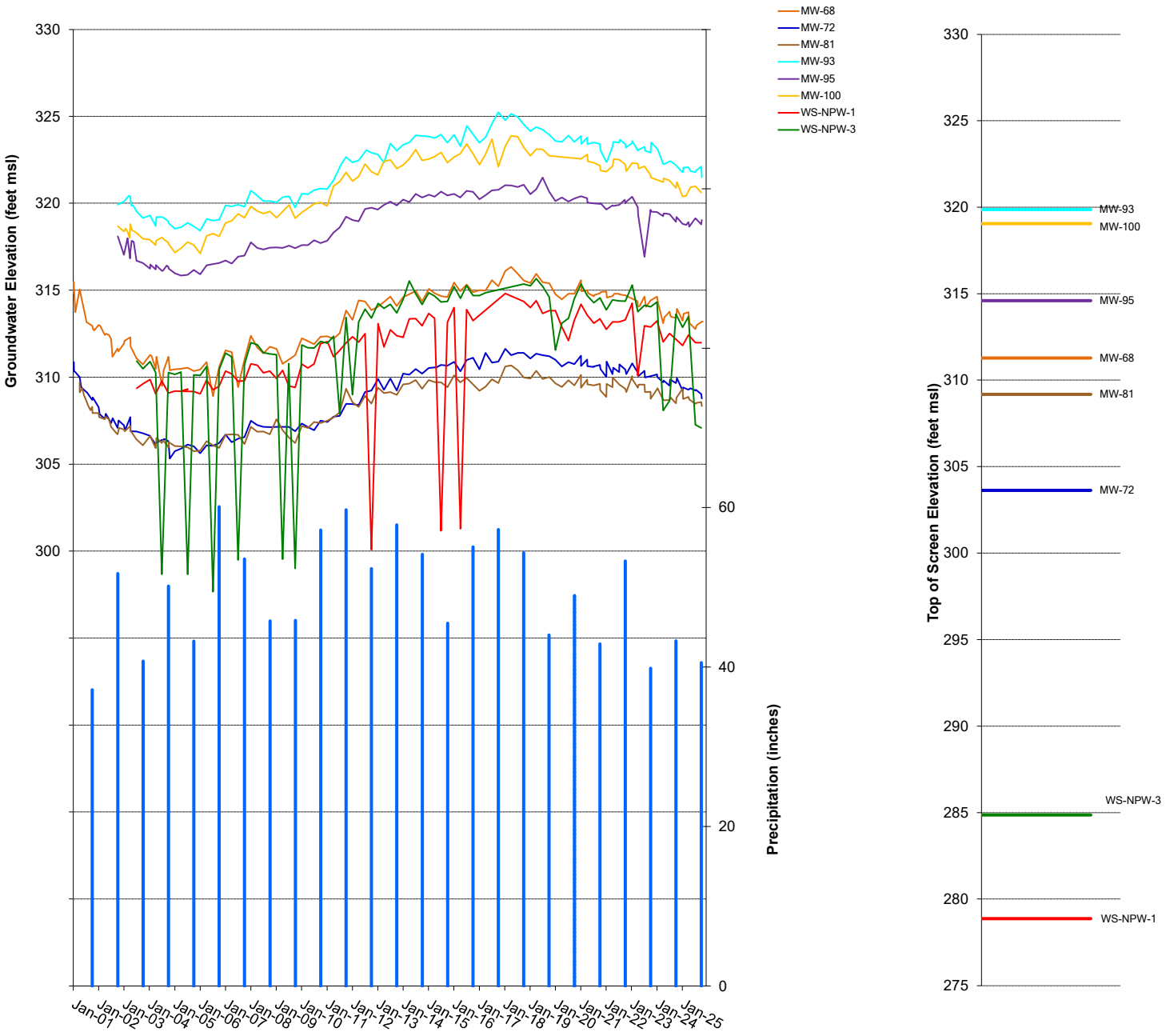
REGIONAL AQUIFER GROUNDWATER ELEVATIONS

POTENTIOMETRIC SURFACE 325-345 FT. MSL



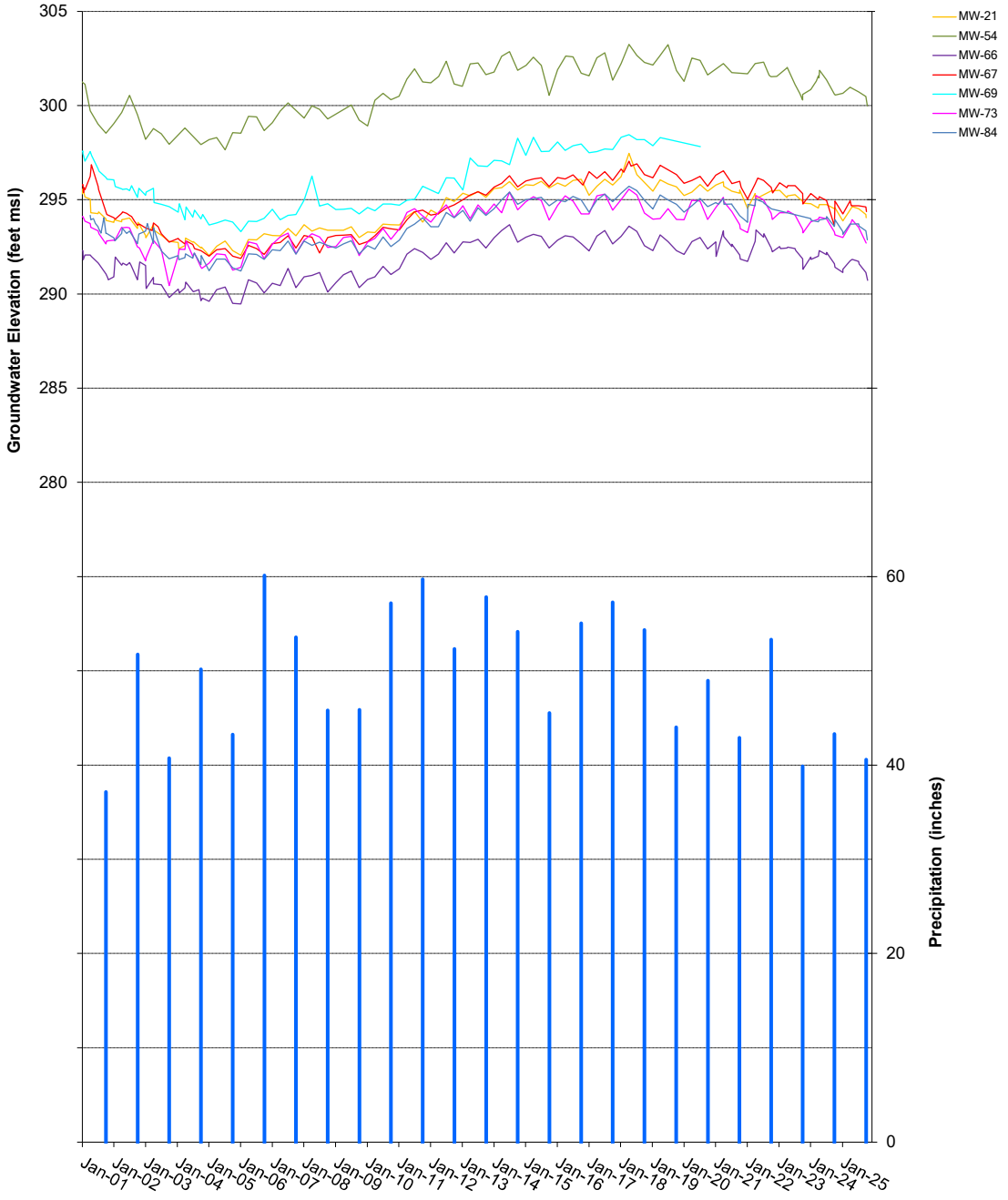
REGIONAL AQUIFER GROUNDWATER ELEVATIONS

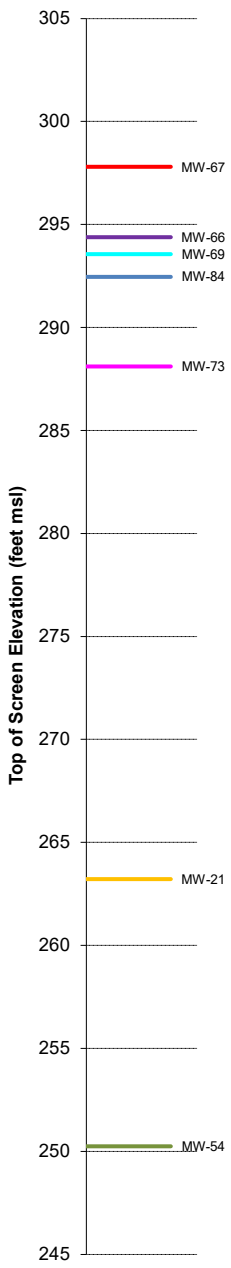
POTENTIOMETRIC SURFACE 305-325 FT. MSL



REGIONAL AQUIFER GROUNDWATER ELEVATIONS

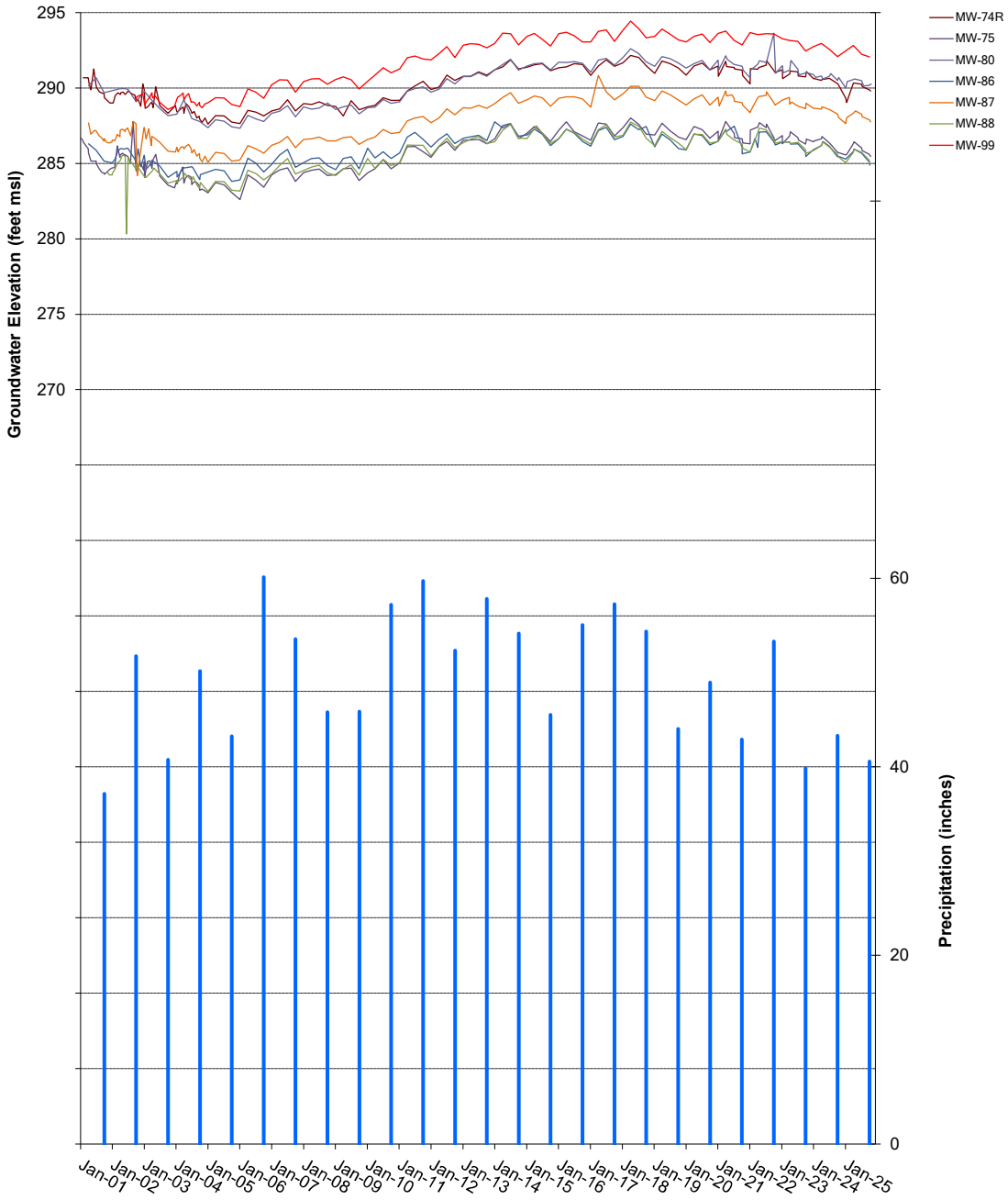
POTENTIOMETRIC SURFACE 290-305 FT. MSL

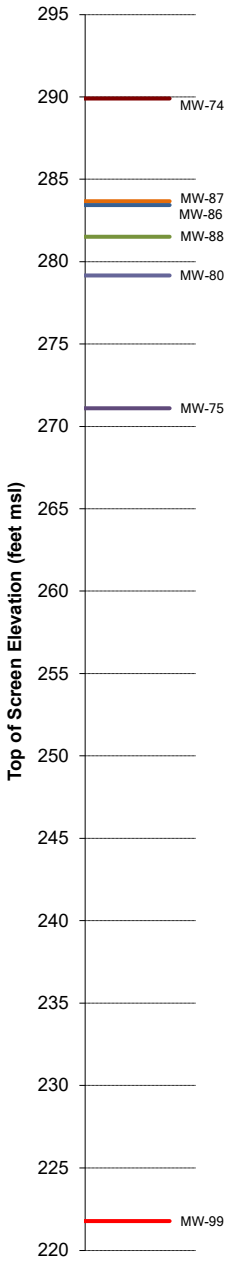




REGIONAL AQUIFER GROUNDWATER ELEVATIONS

POTENTIOMETRIC SURFACE 285-295 FT. MSL





REGIONAL AQUIFER GROUNDWATER ELEVATIONS

POTENTIOMETRIC SURFACE 275-285 FT. MSL

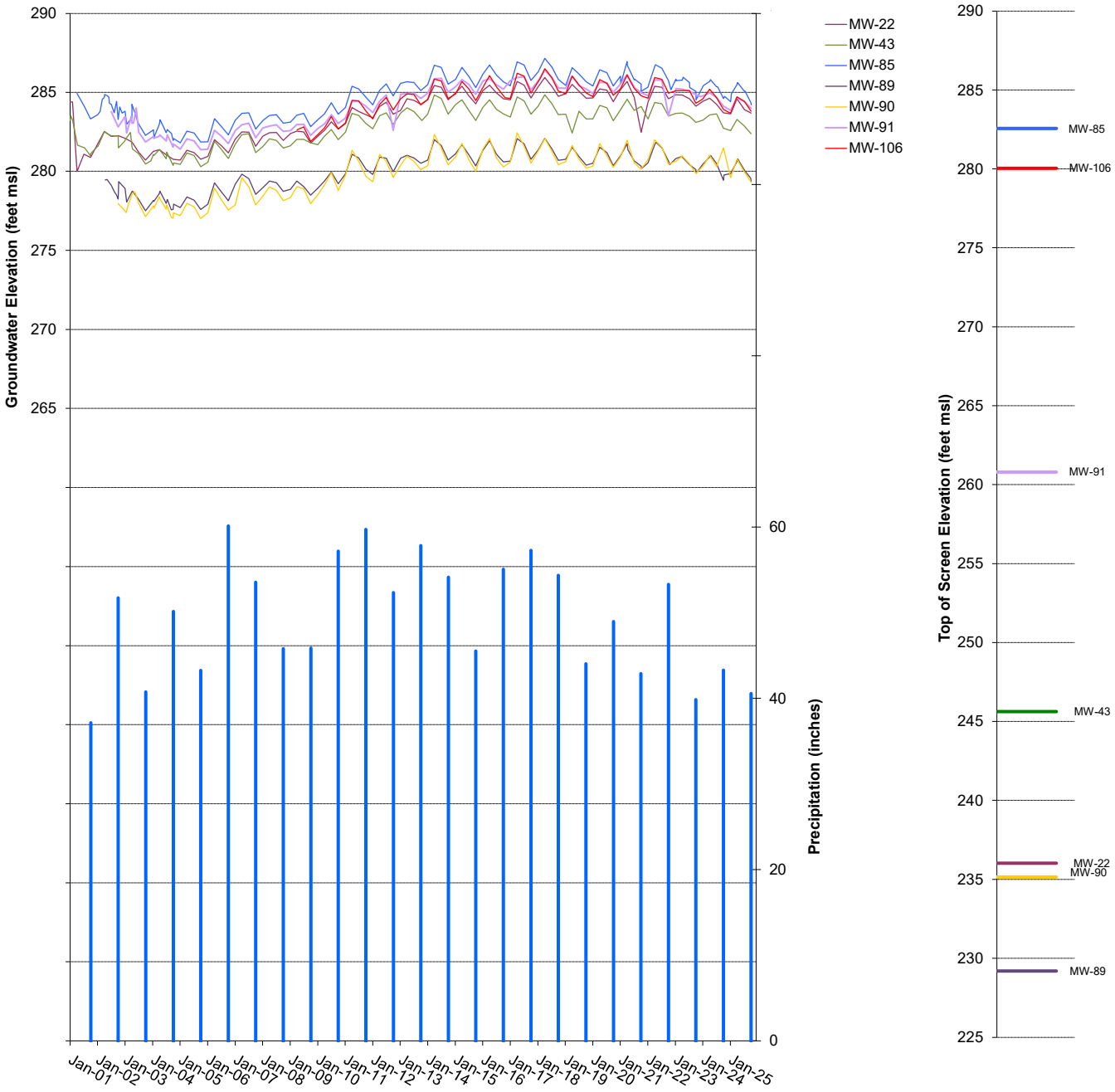


Figure B−1A
East Perched Zone
Alkalinity, Total (as CaCO3)

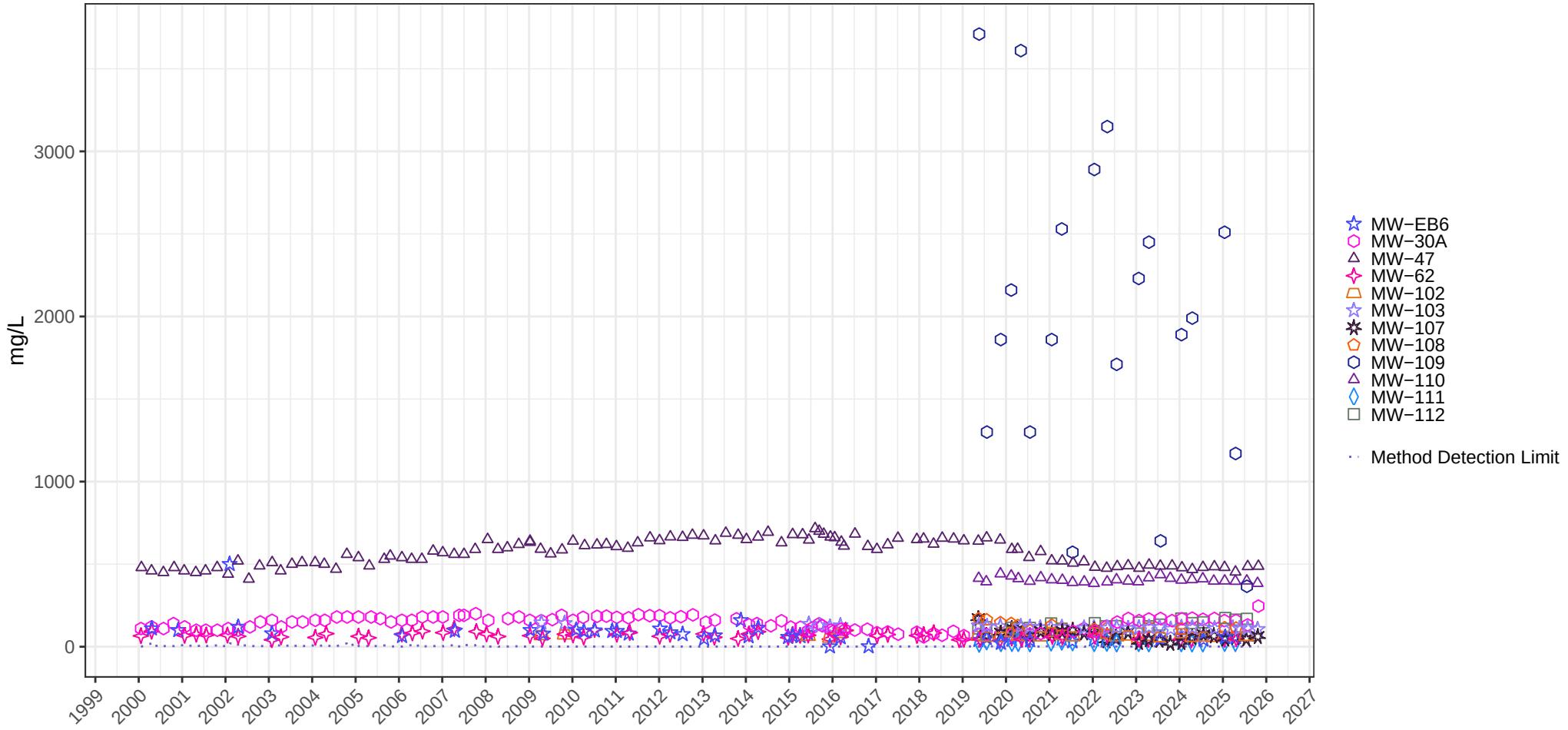


Figure B−2A
East Perched Zone
Ammonia As N

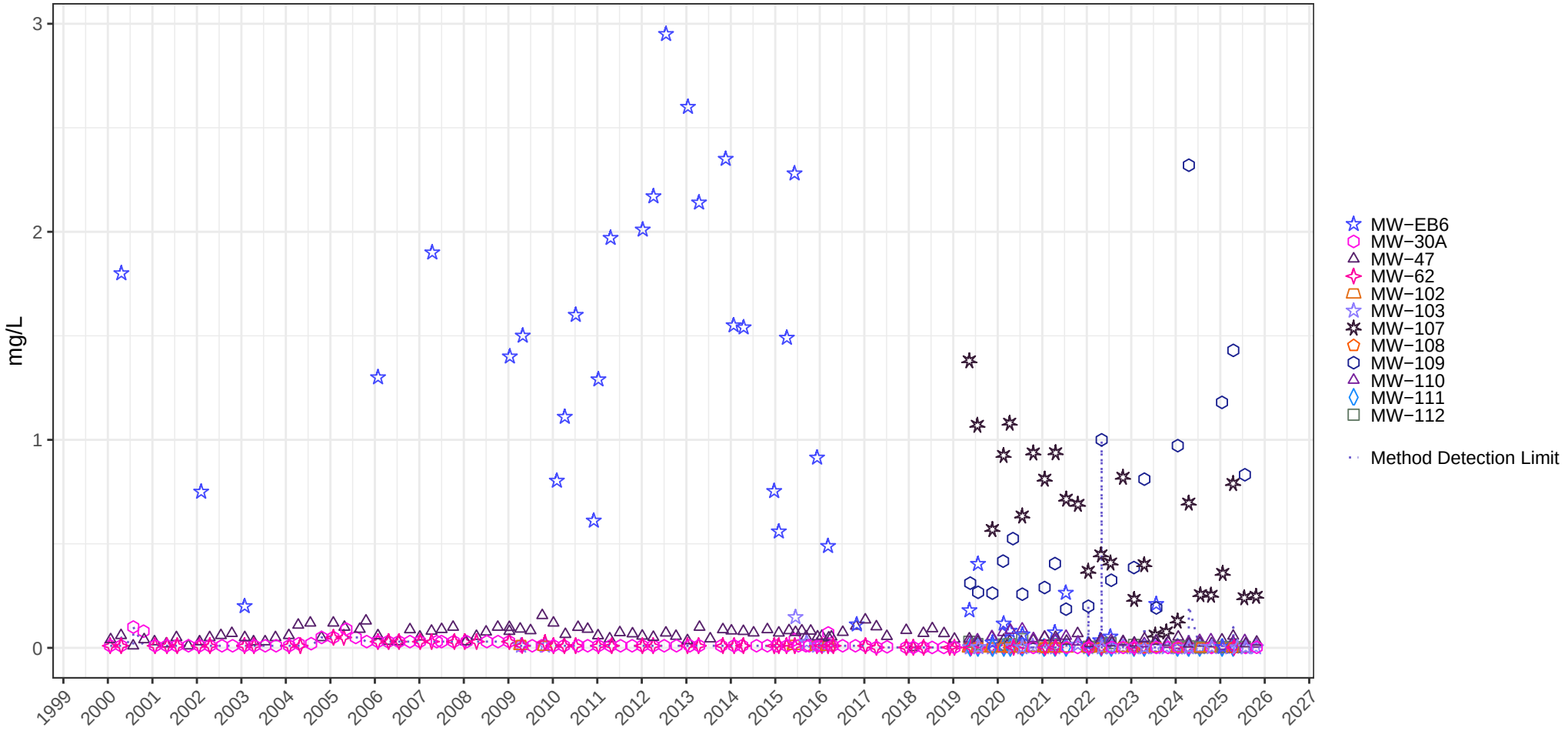
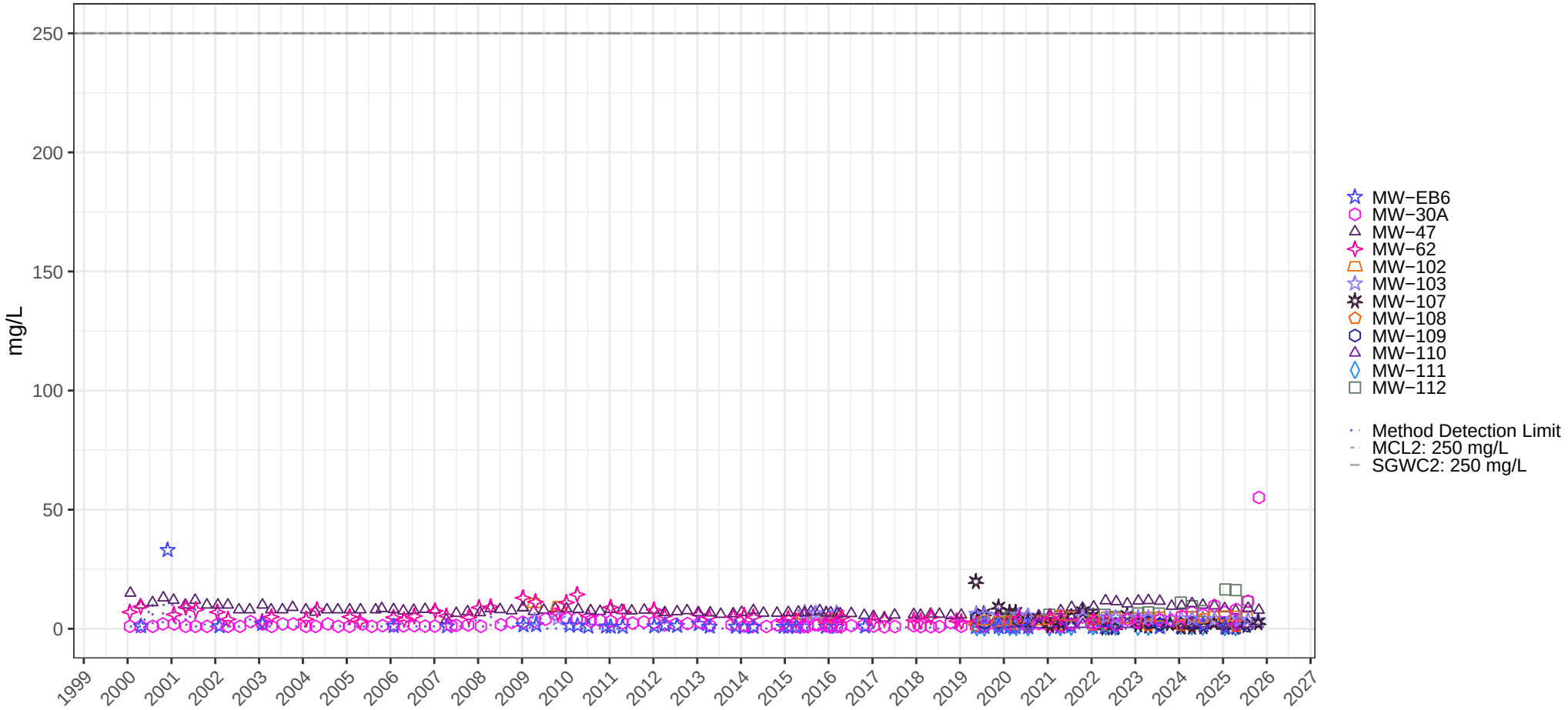
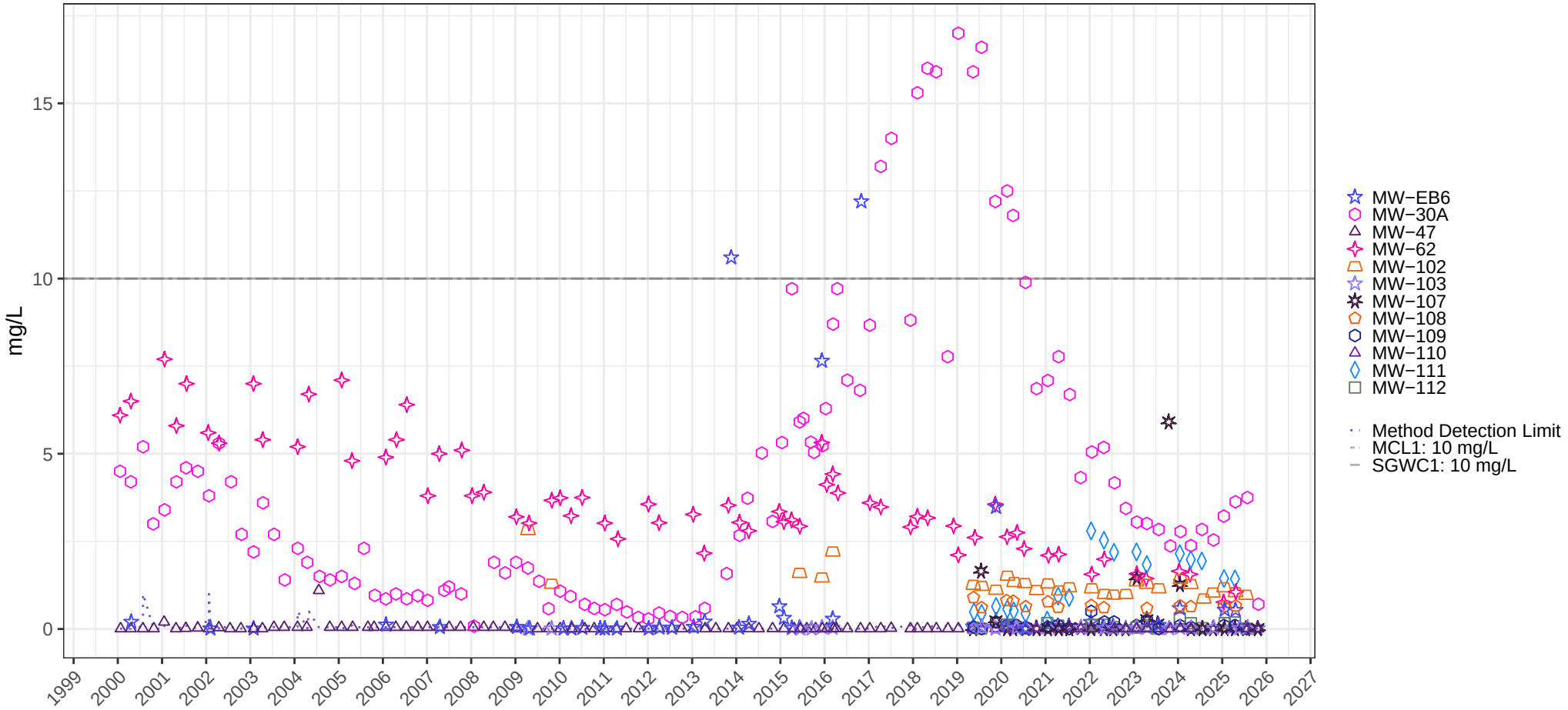


Figure B−3A
East Perched Zone
Chloride



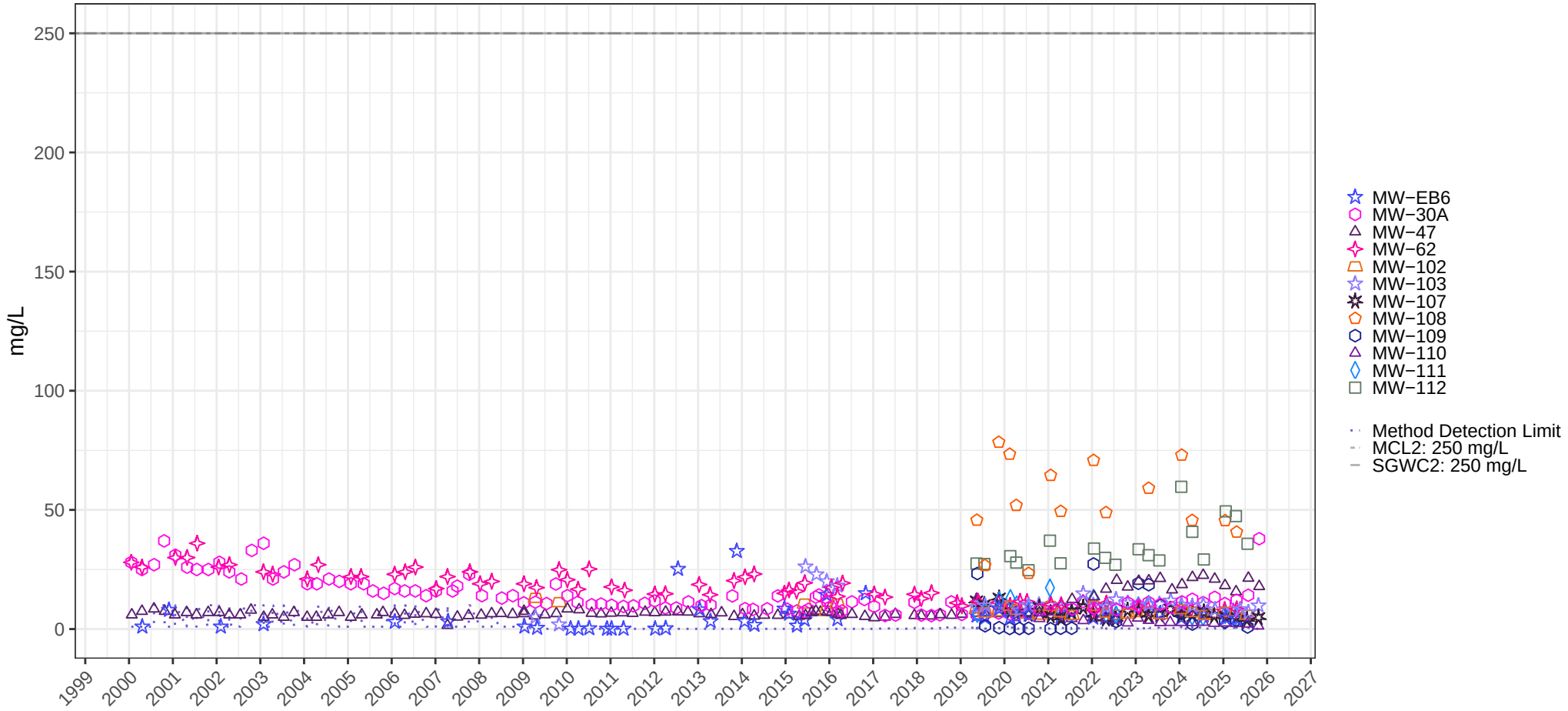
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−4A
East Perched Zone
Nitrate



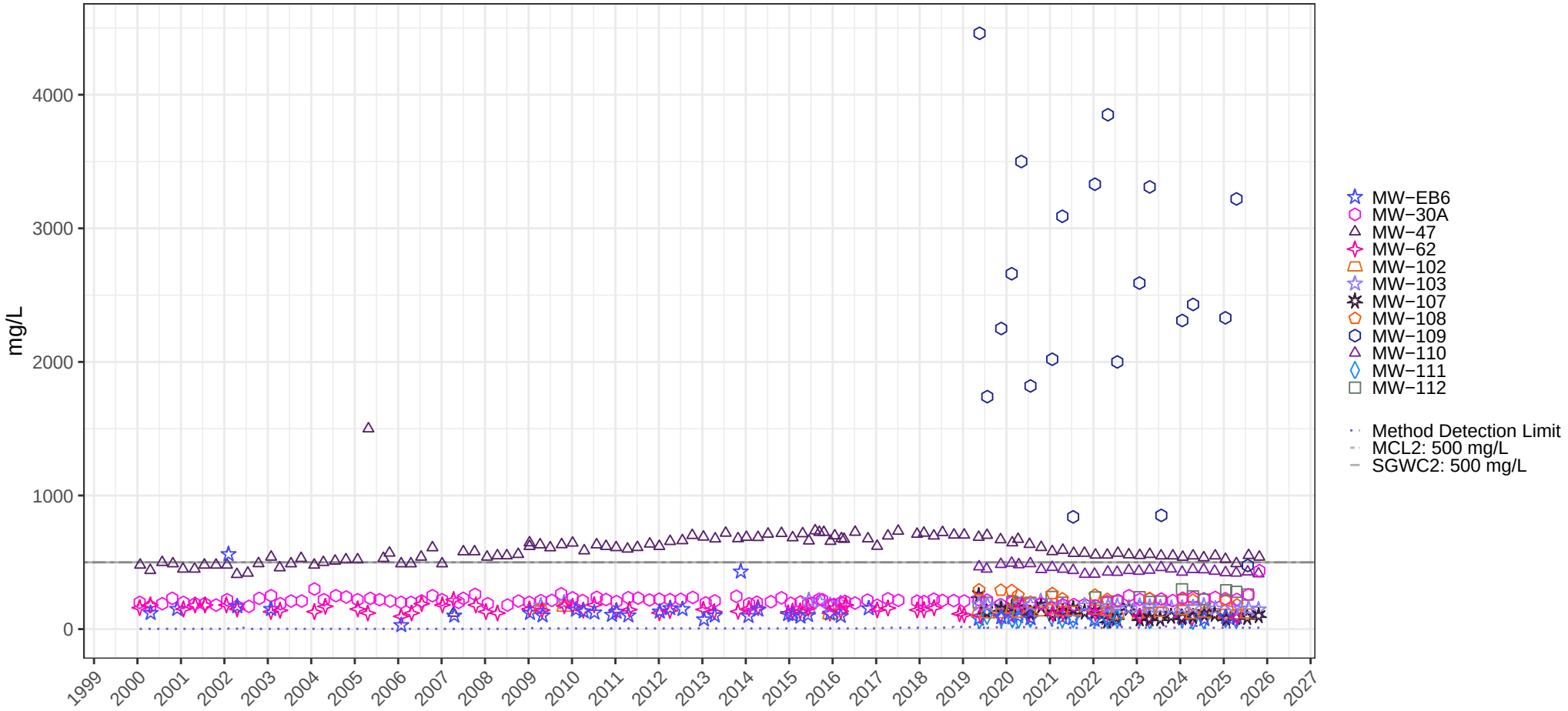
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−5A
East Perched Zone
Sulfate



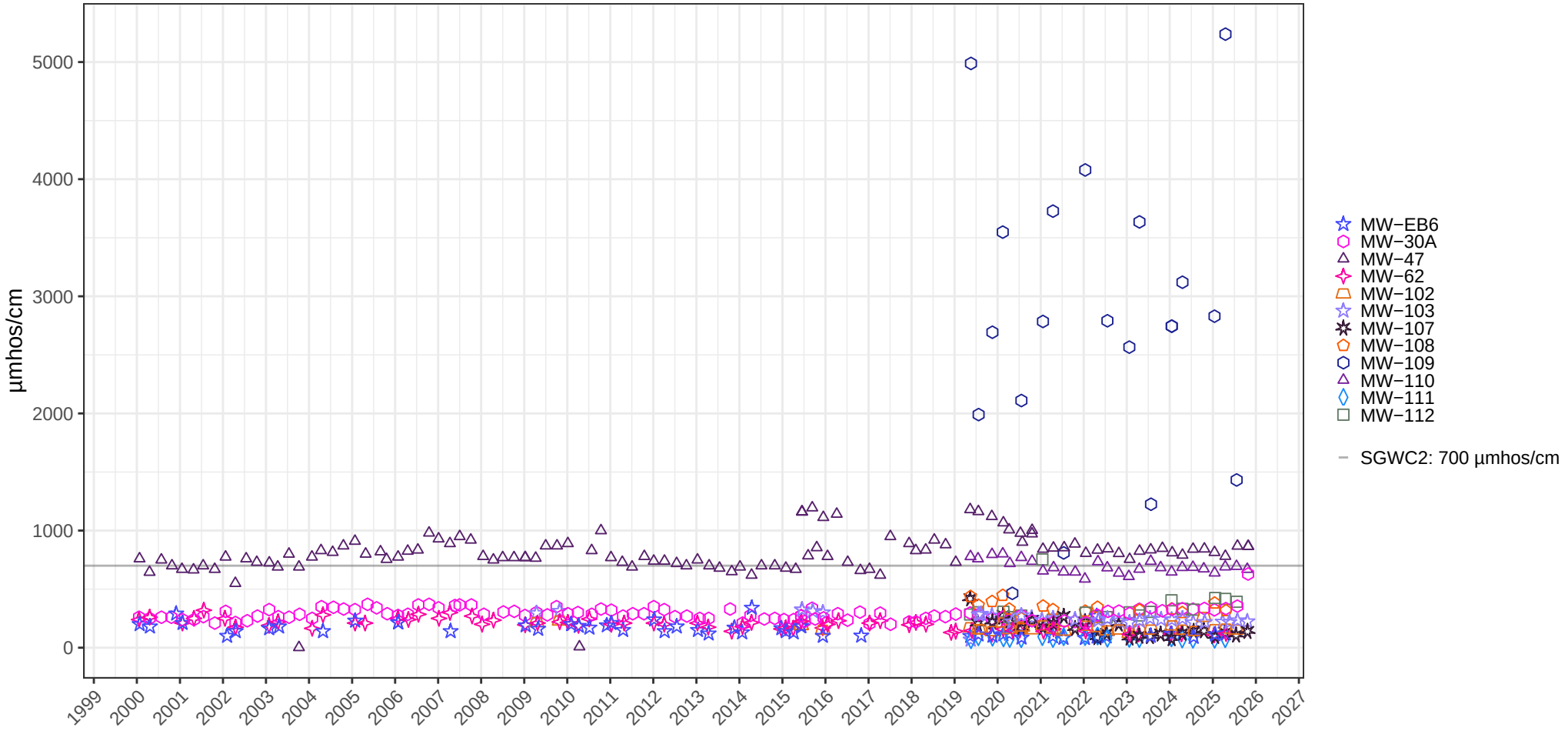
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−6A
East Perched Zone
Total Dissolved Solids



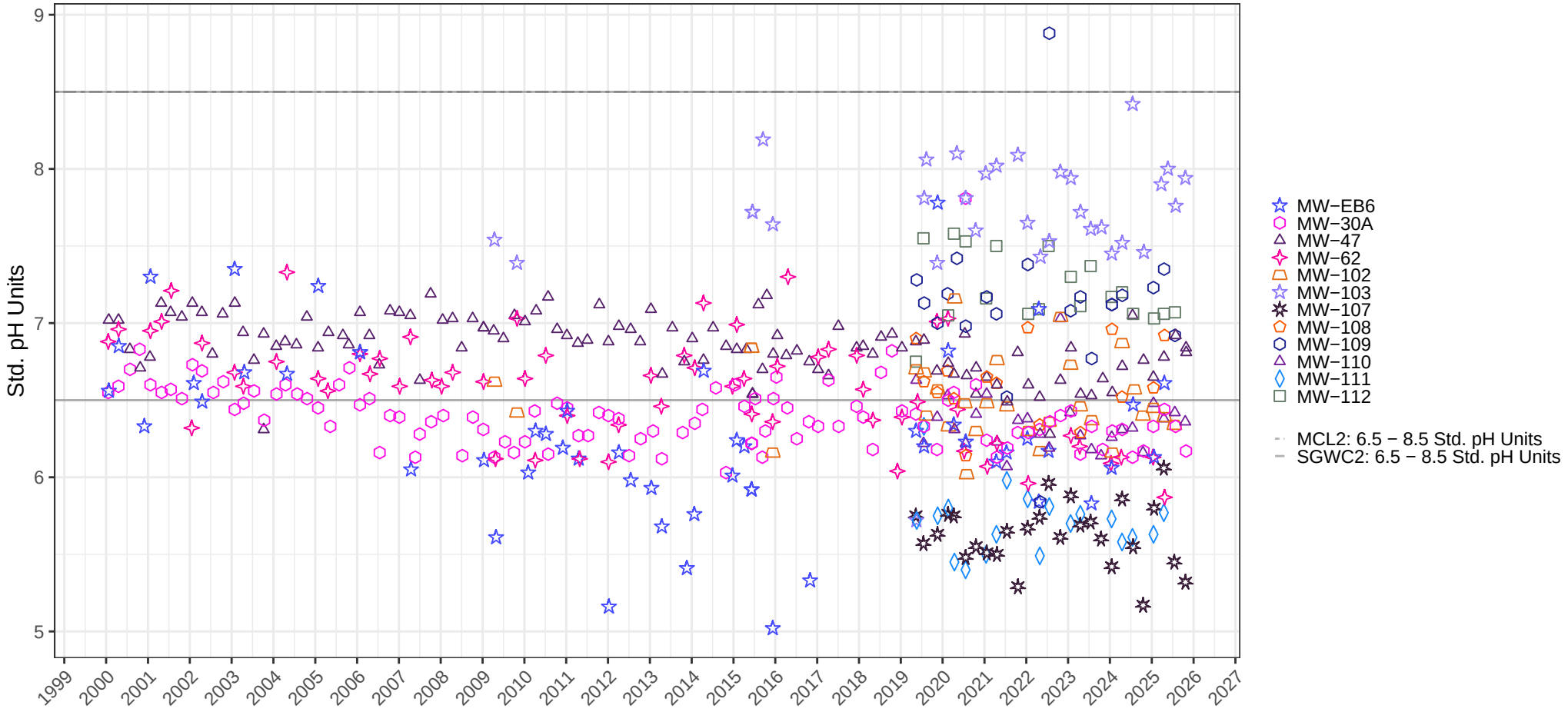
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−7A
East Perched Zone
Specific Conductivity, Field



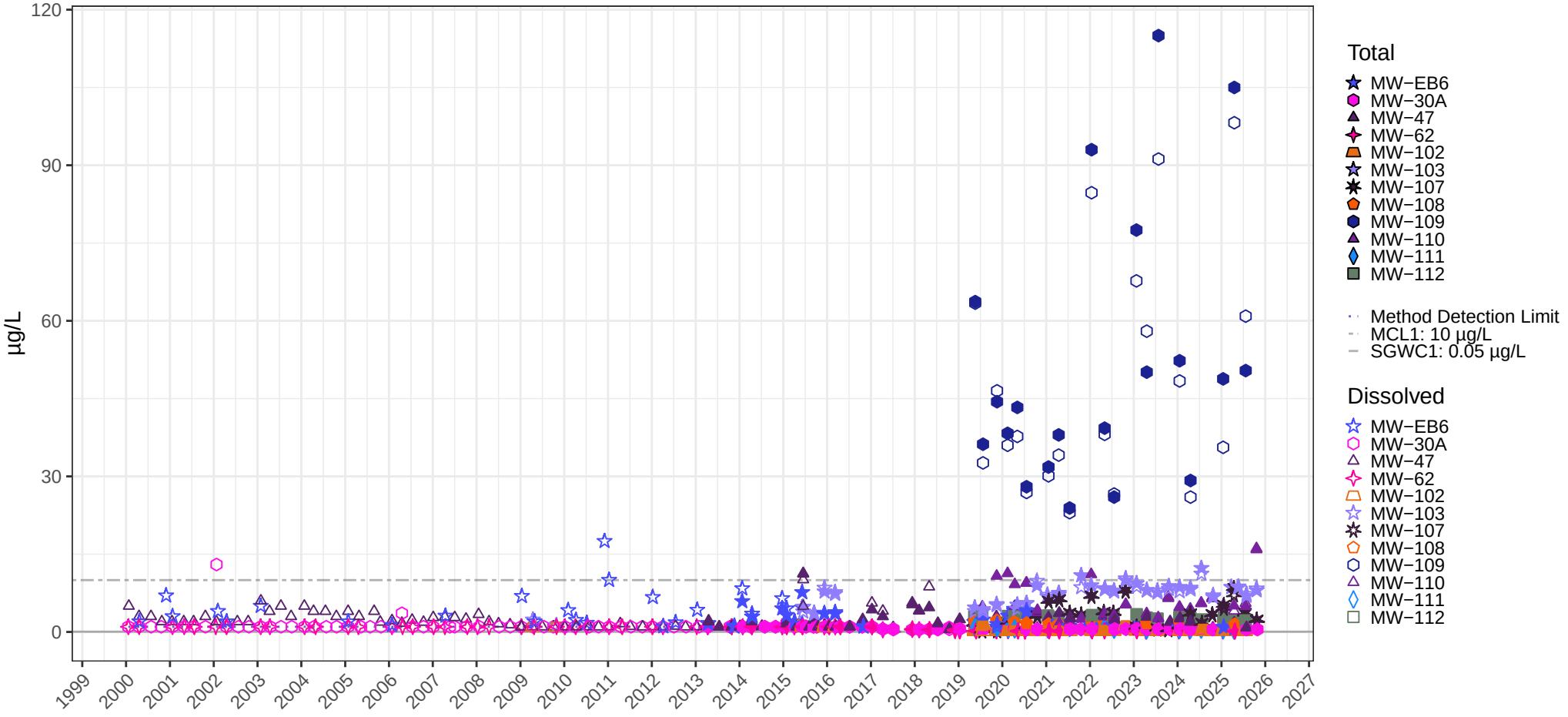
SGWC2: Washington State Secondary Groundwater Quality Criteria

Figure B−8A
East Perched Zone
pH, Field



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−9A
East Perched Zone
Arsenic



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−10A
East Perched Zone
Calcium

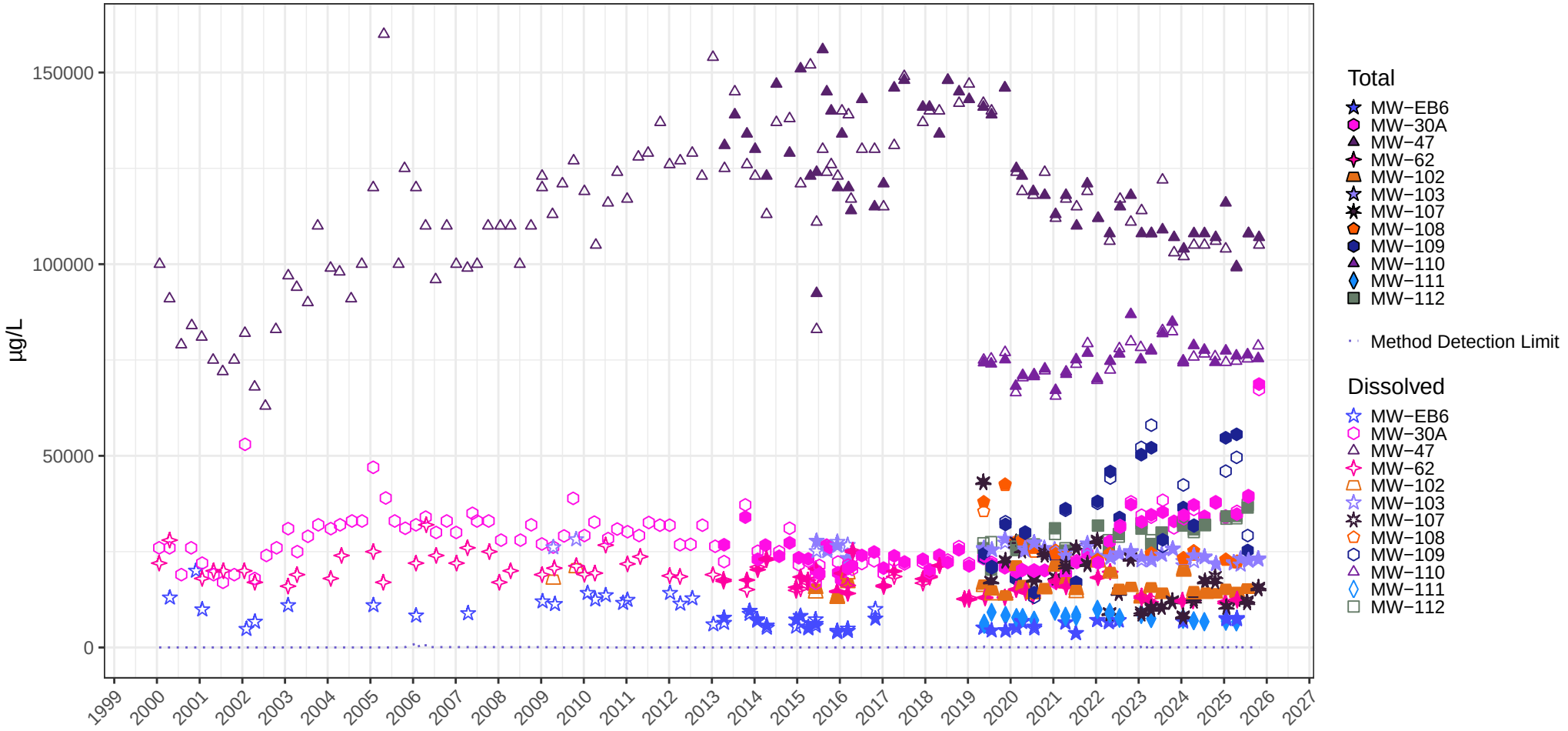
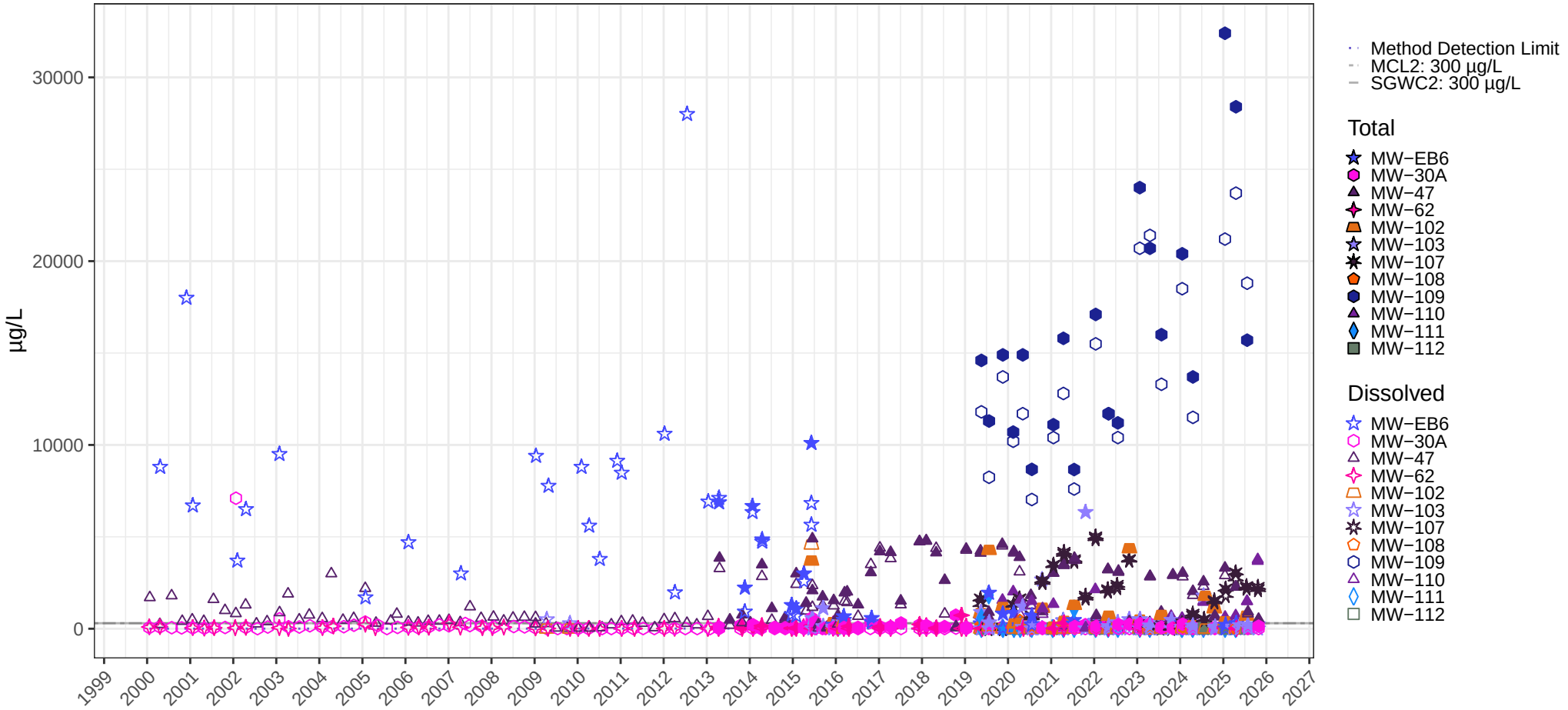


Figure B−11A
East Perched Zone
Iron



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−12A
East Perched Zone
Magnesium

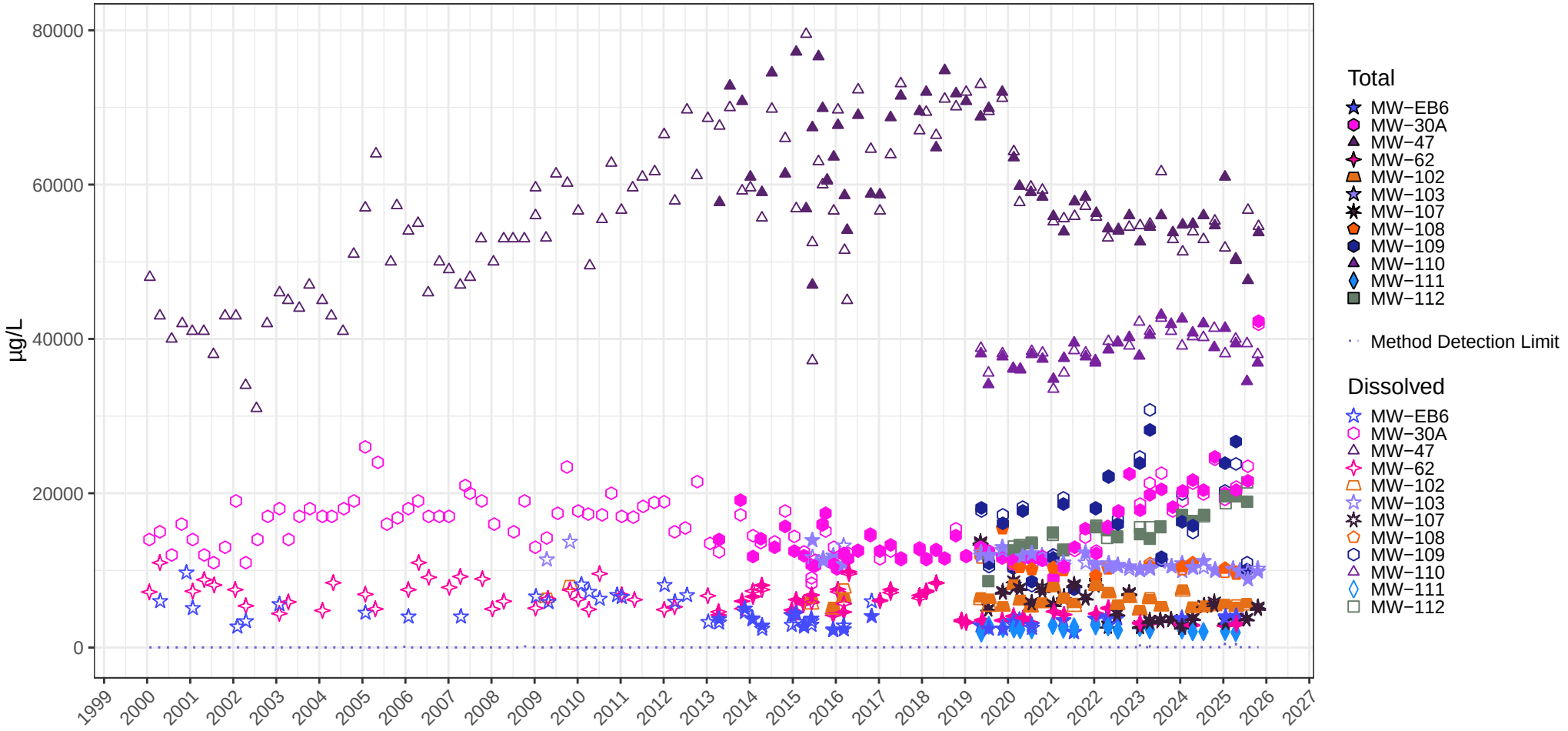
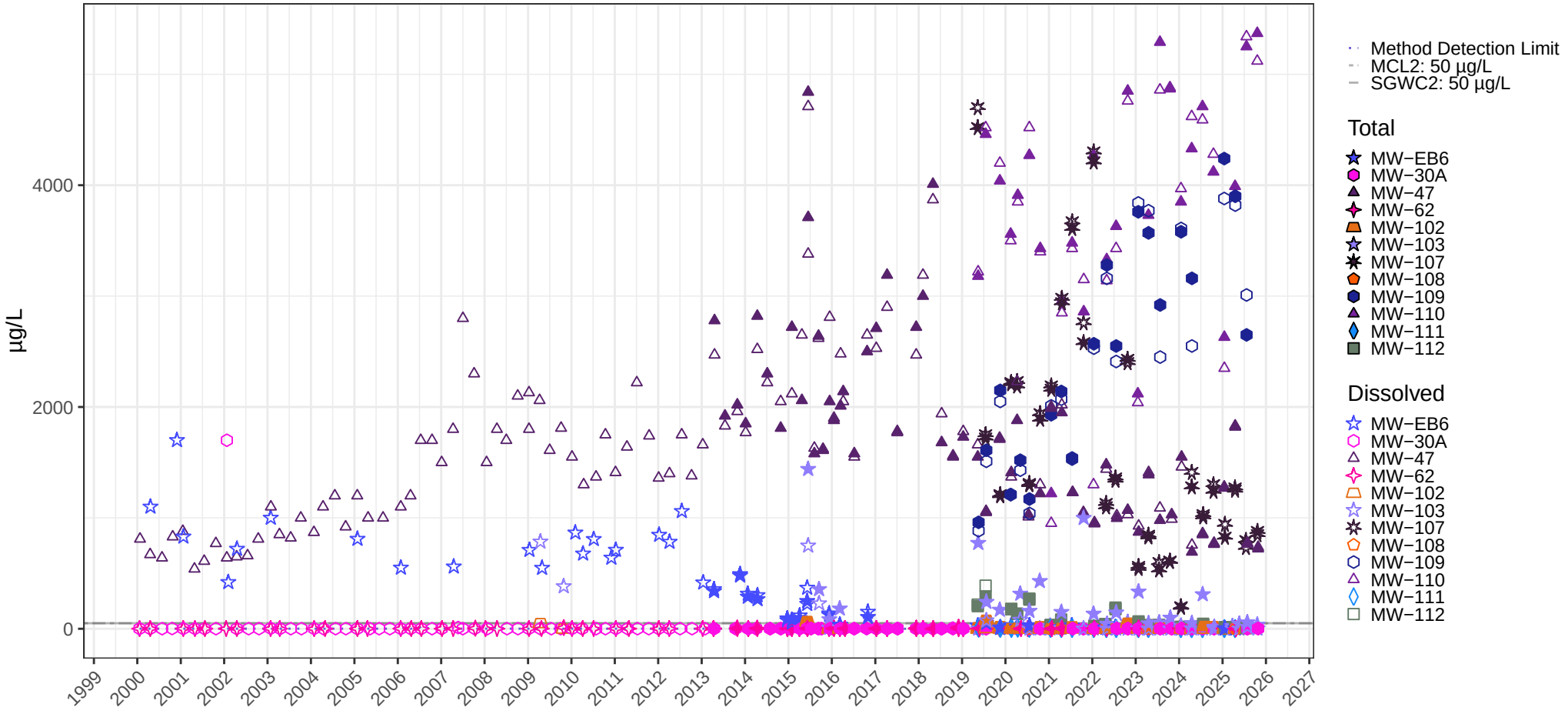


Figure B−13A
East Perched Zone
Manganese



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−14A
East Perched Zone
Potassium

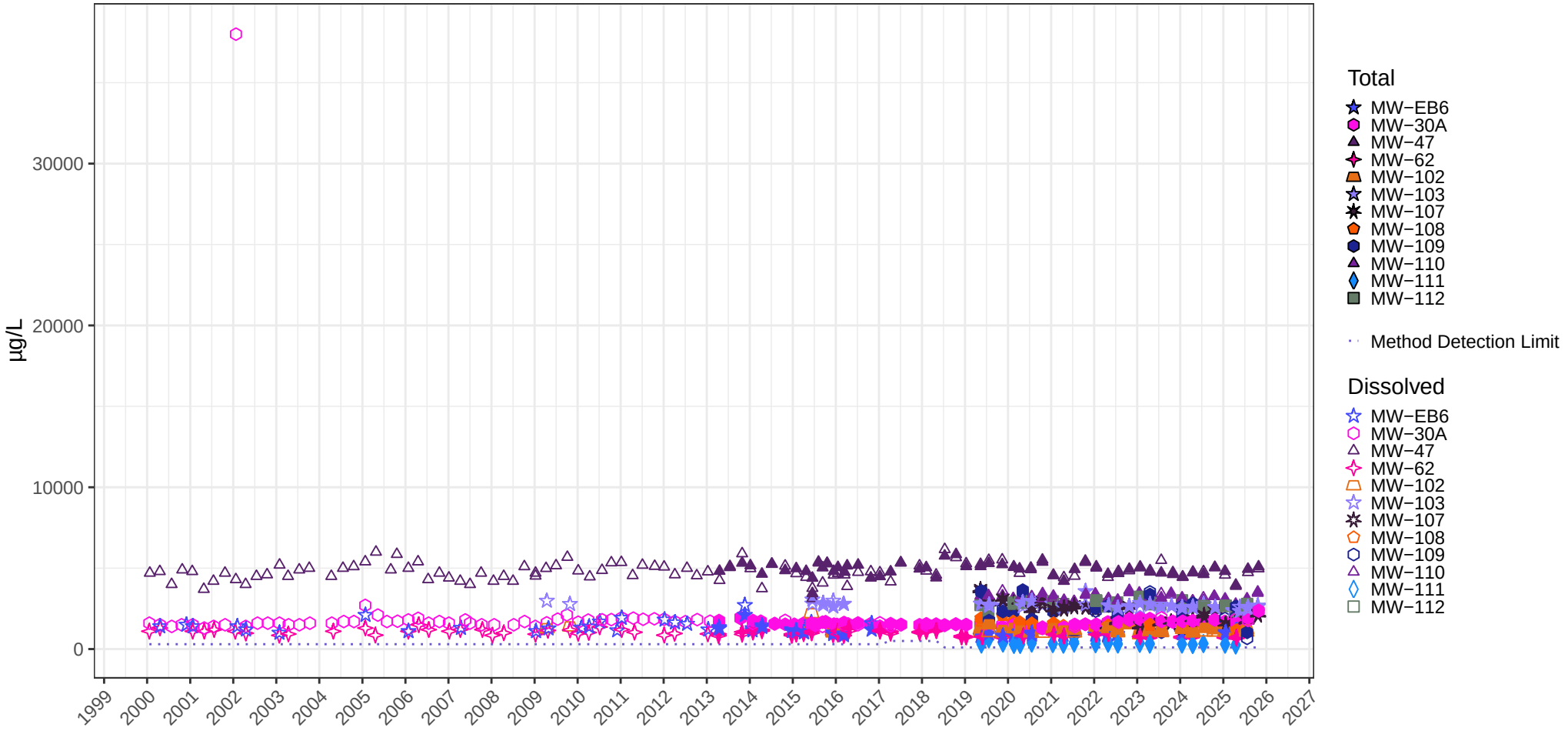
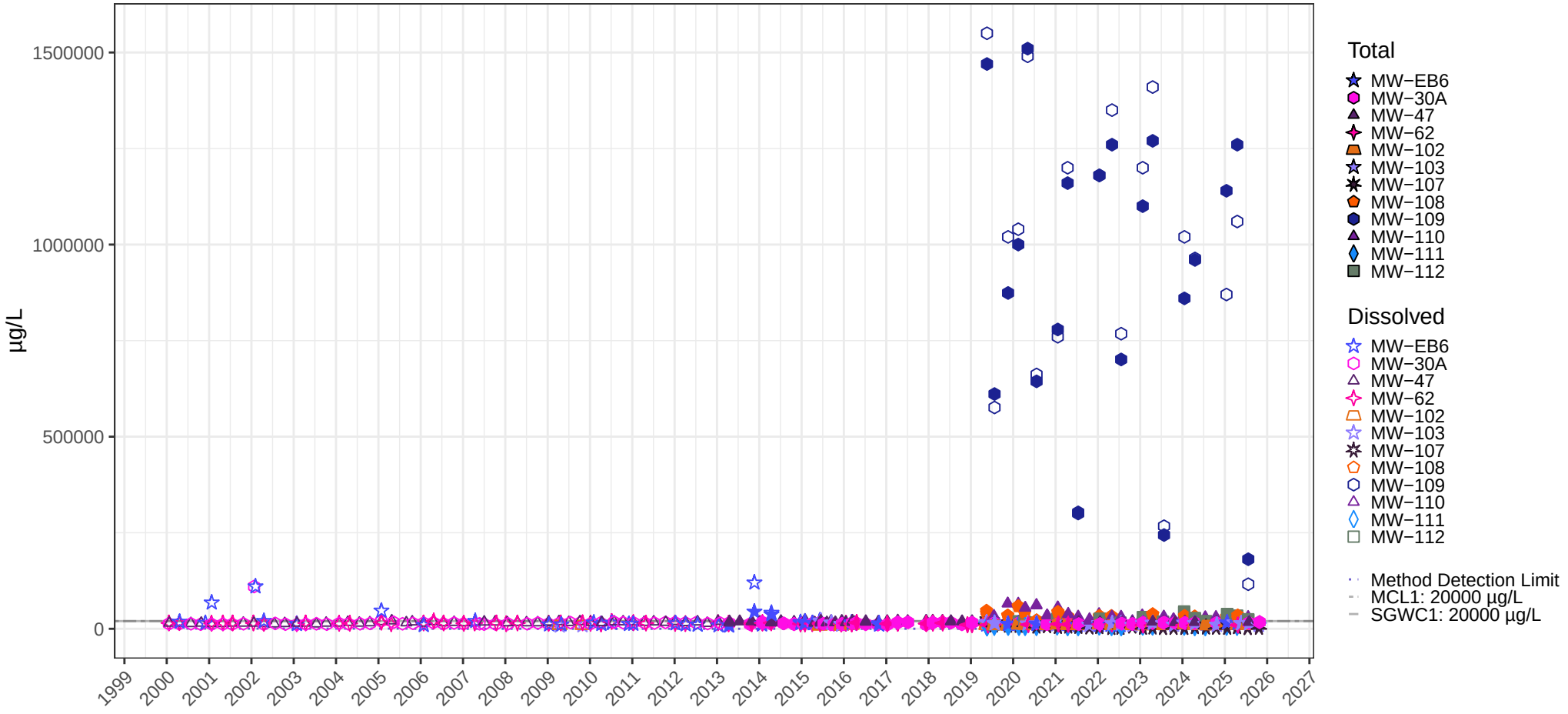
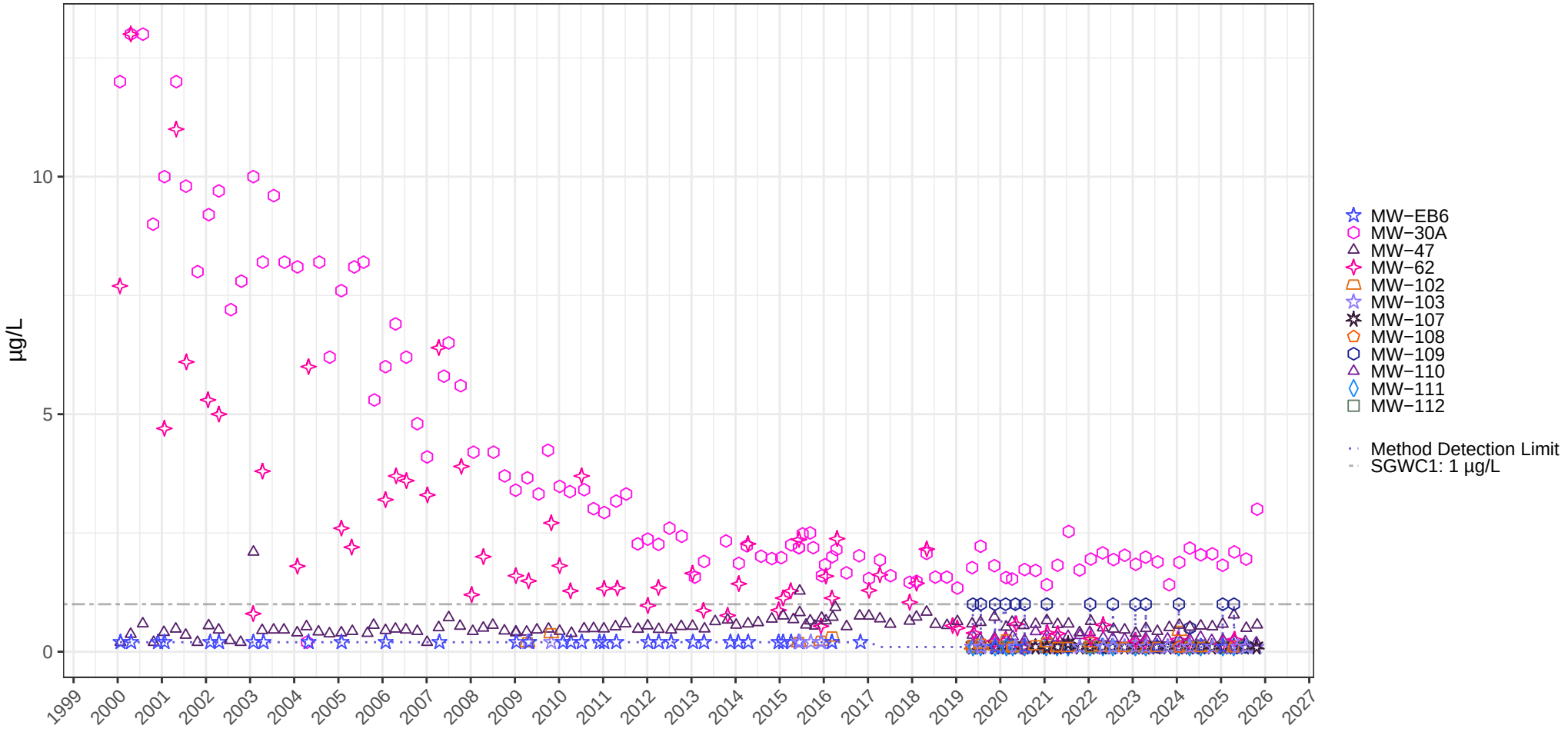


Figure B−15A
East Perched Zone
Sodium



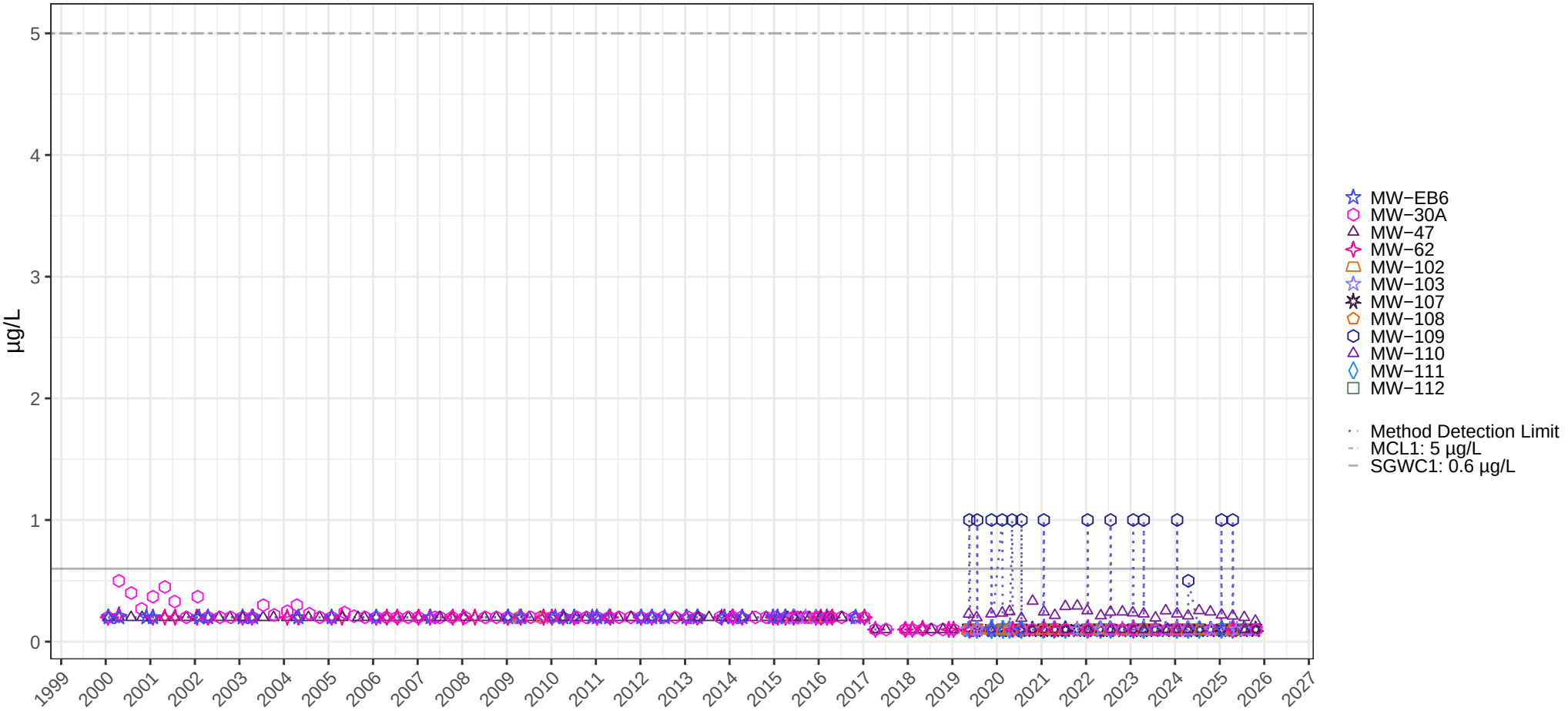
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−16A
East Perched Zone
1,1−Dichloroethane



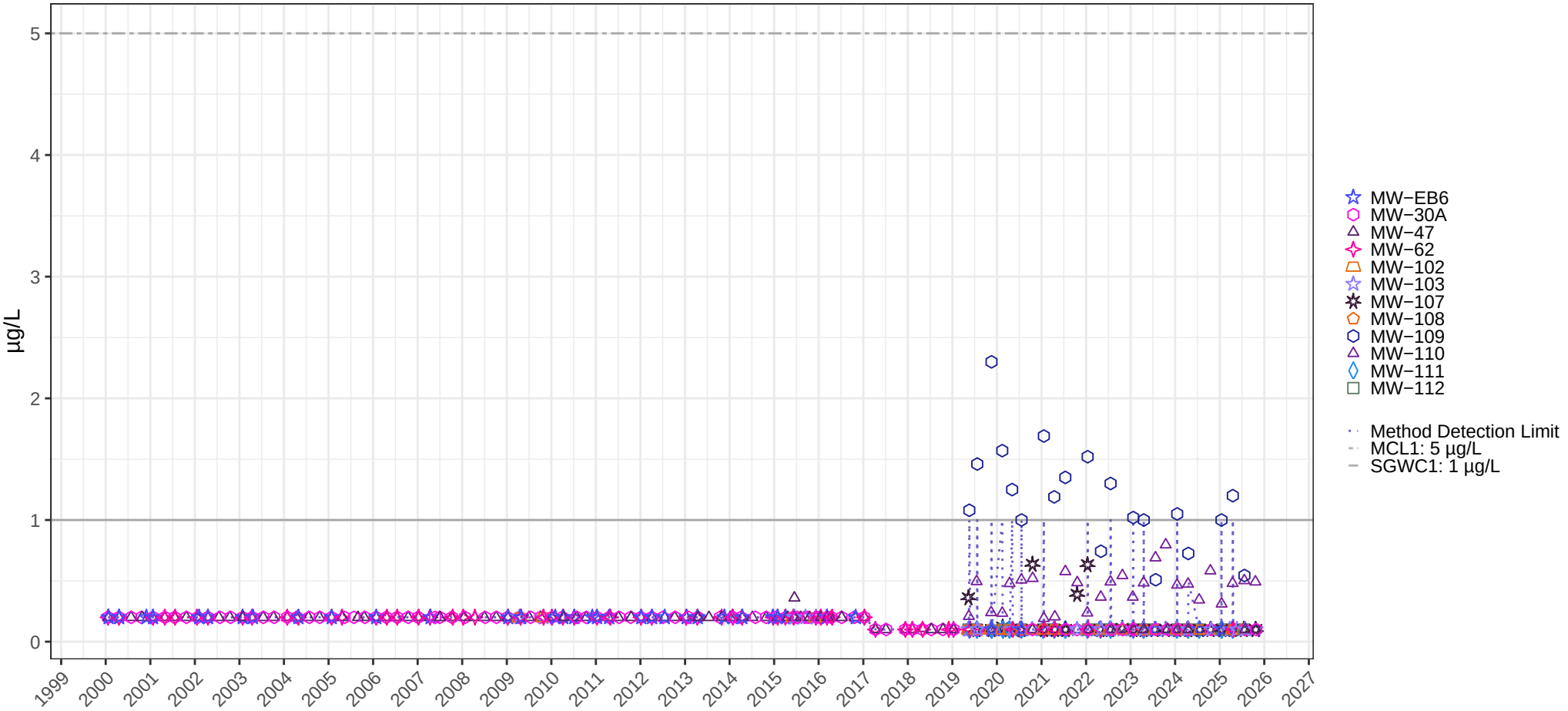
SGWC1: Washington State Primary Groundwater Quality Criteria

Figure B−17A
East Perched Zone
1,2−Dichloropropane



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−18A
East Perched Zone
Benzene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−19A
East Perched Zone
Chloroethane

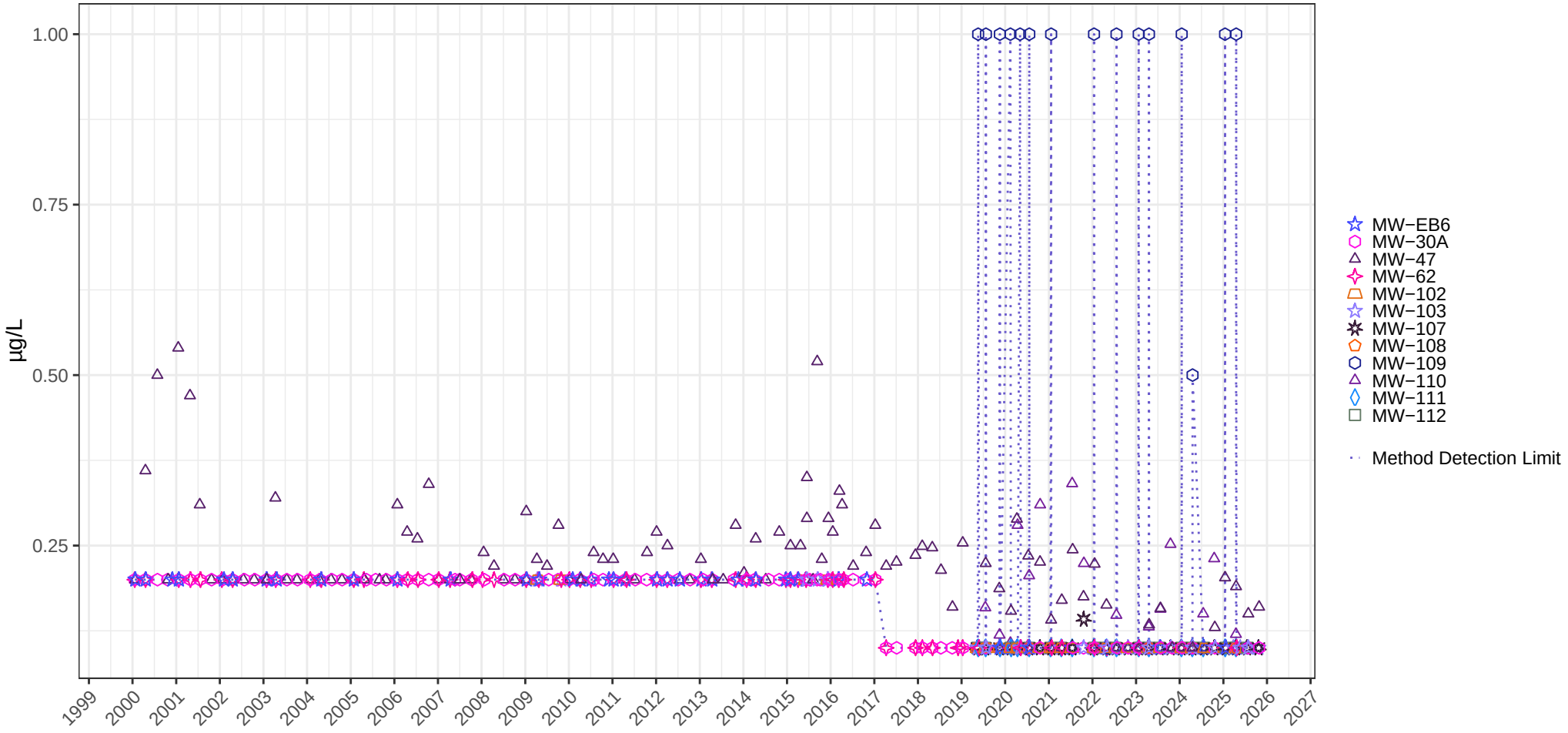
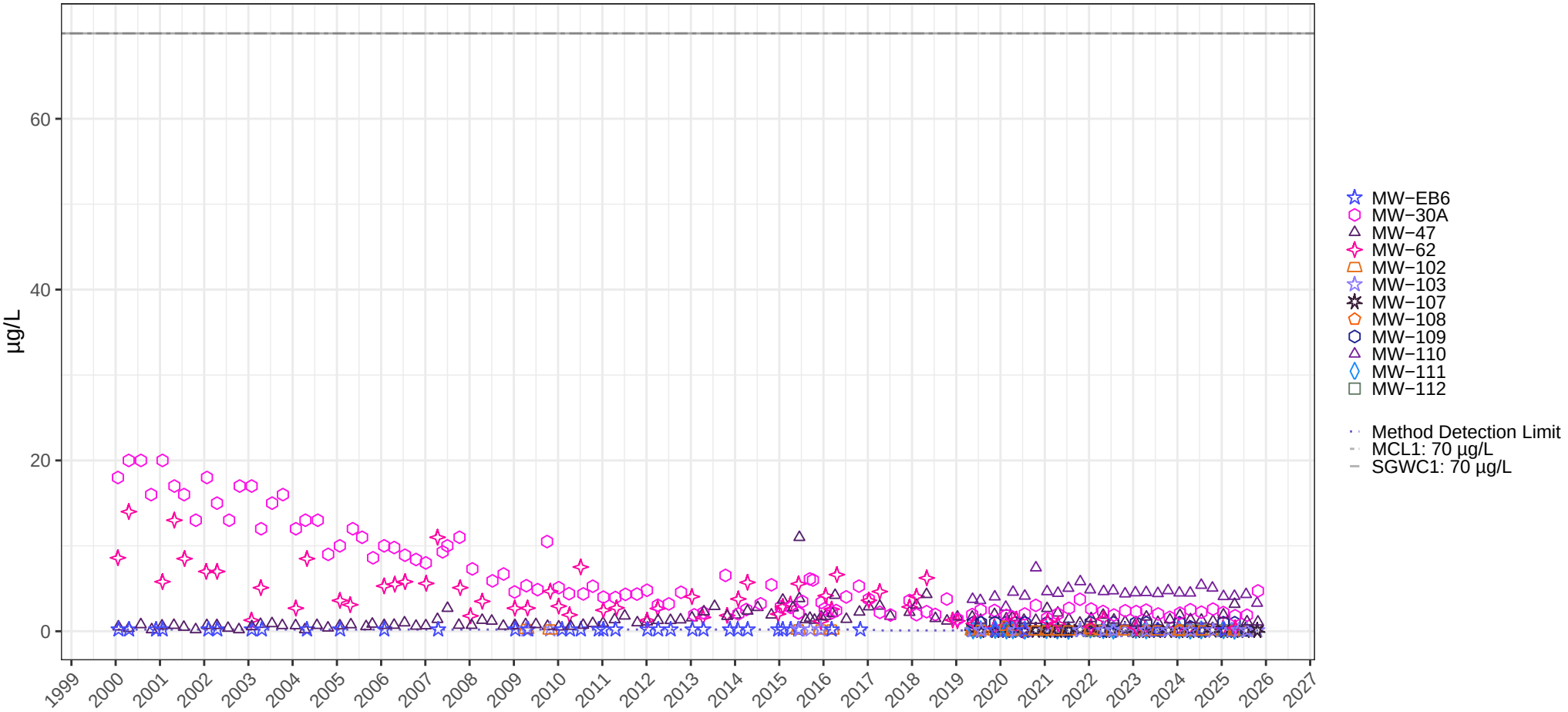


Figure B−20A
East Perched Zone
Cis−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−21A
East Perched Zone
Dichlorodifluoromethane

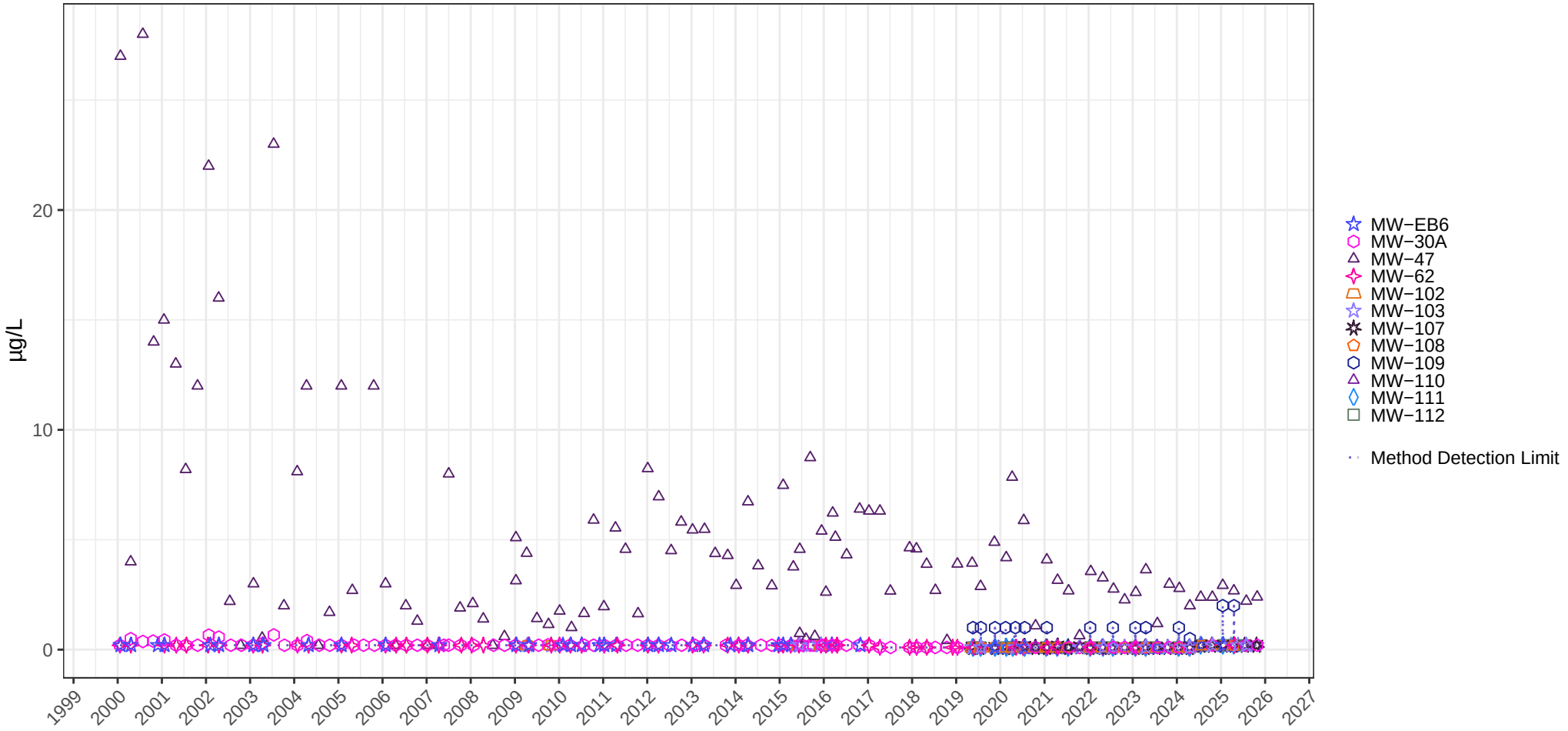
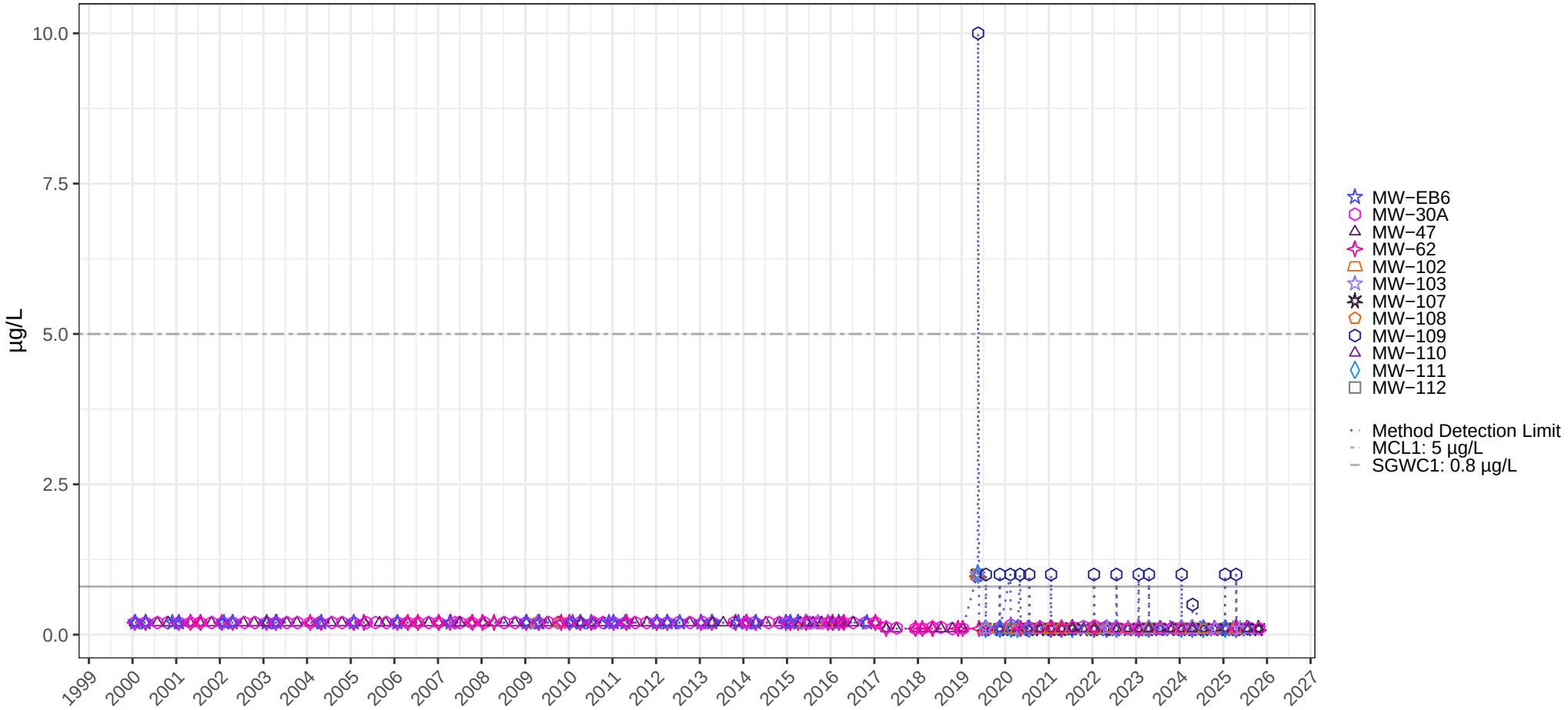
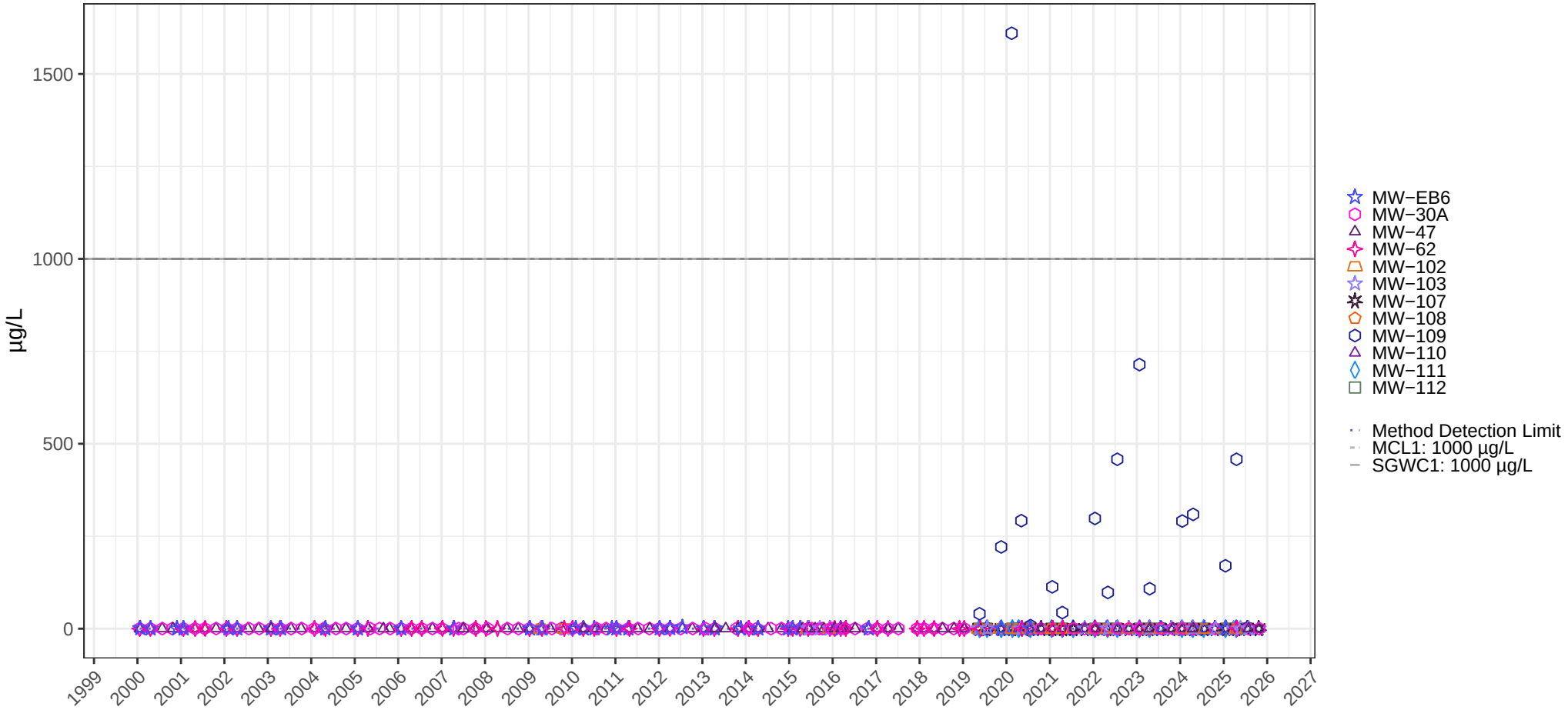


Figure B−22A
East Perched Zone
Tetrachloroethene



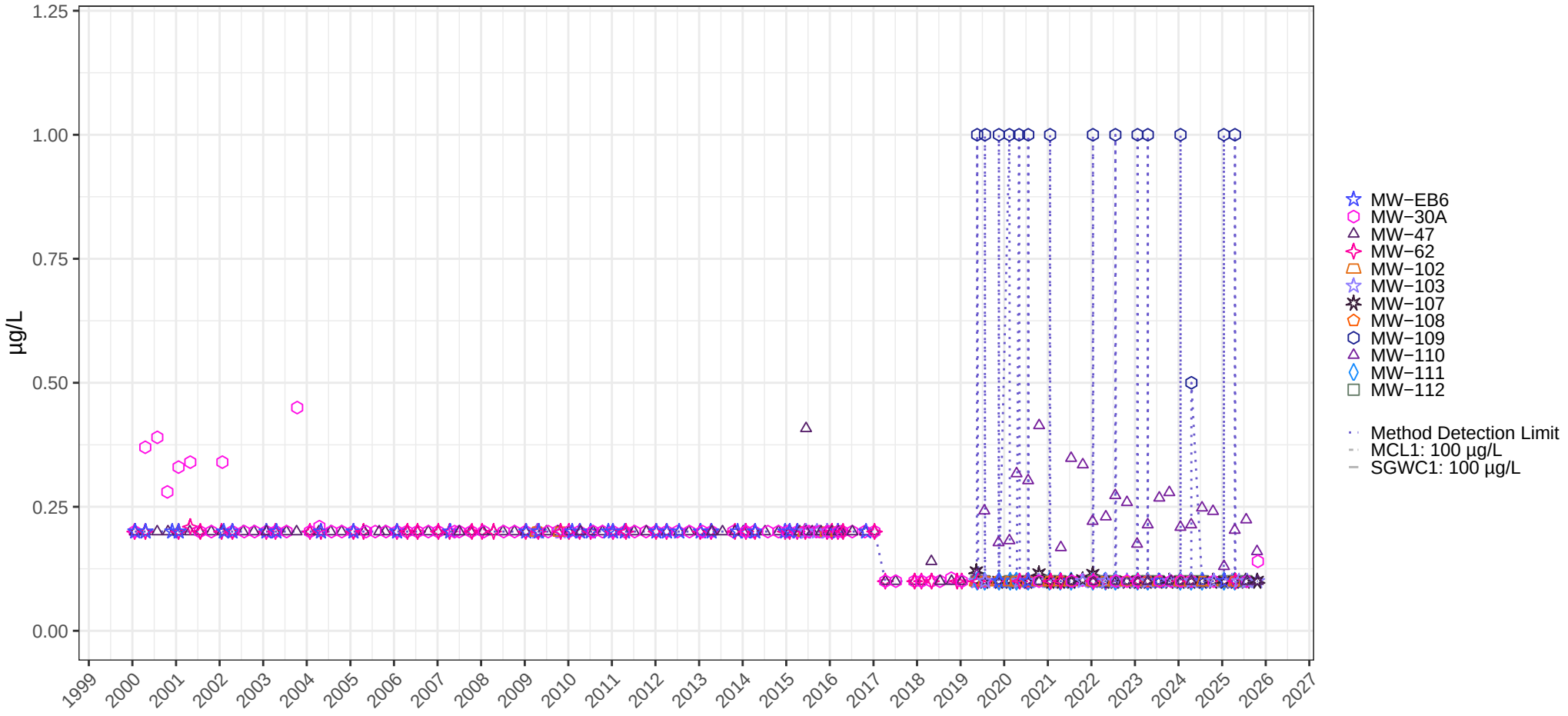
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−23A
East Perched Zone
Toluene



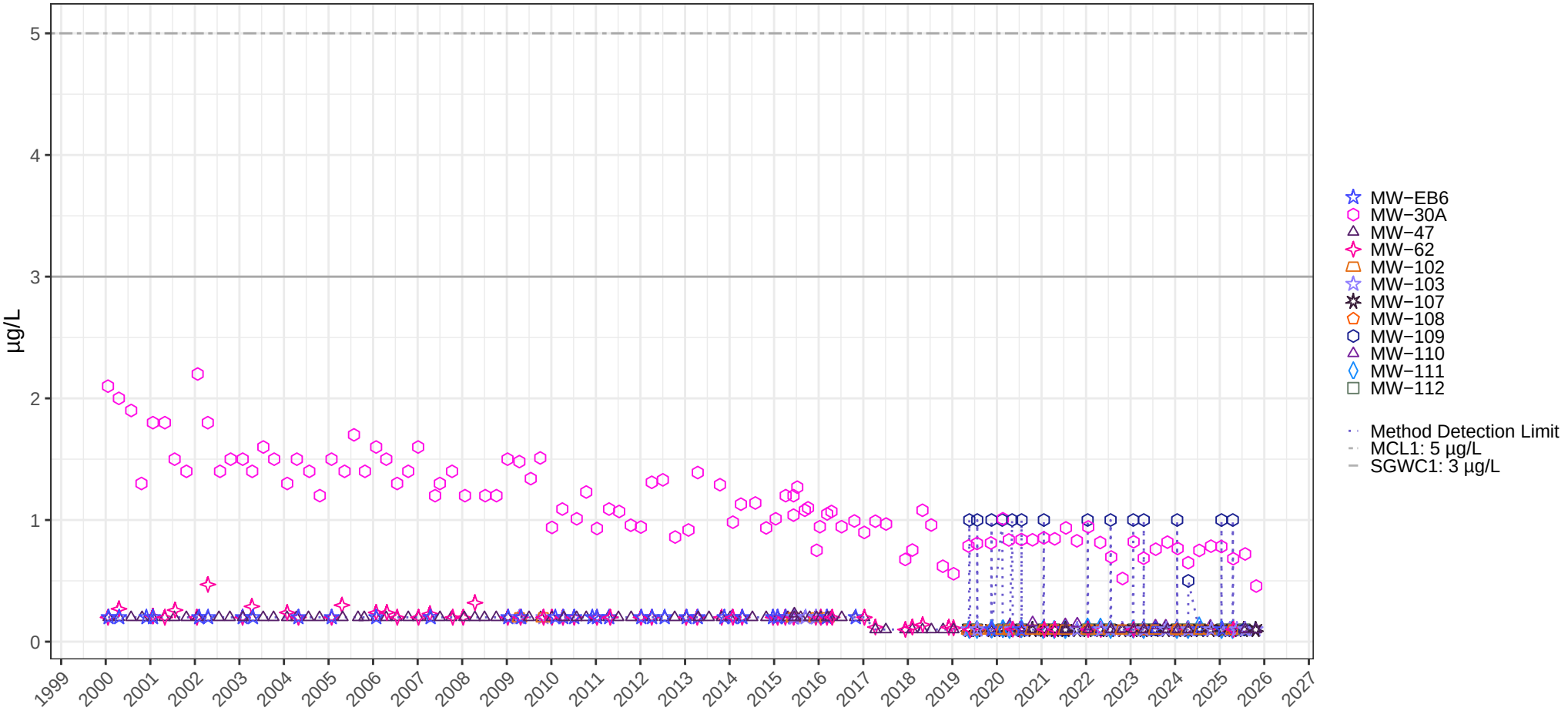
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−24A
East Perched Zone
Trans−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−25A
East Perched Zone
Trichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−26A
East Perched Zone
Trichlorofluoromethane

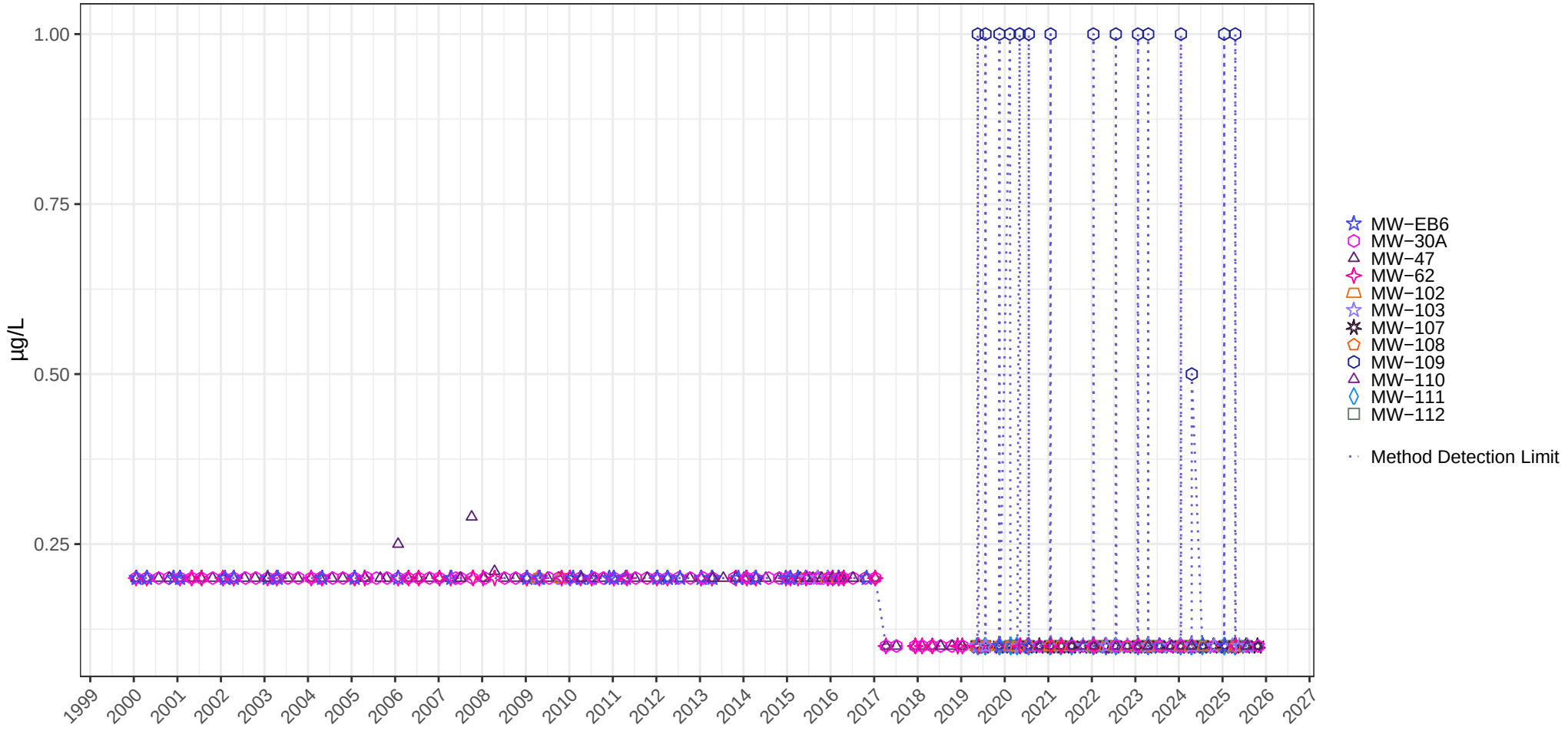
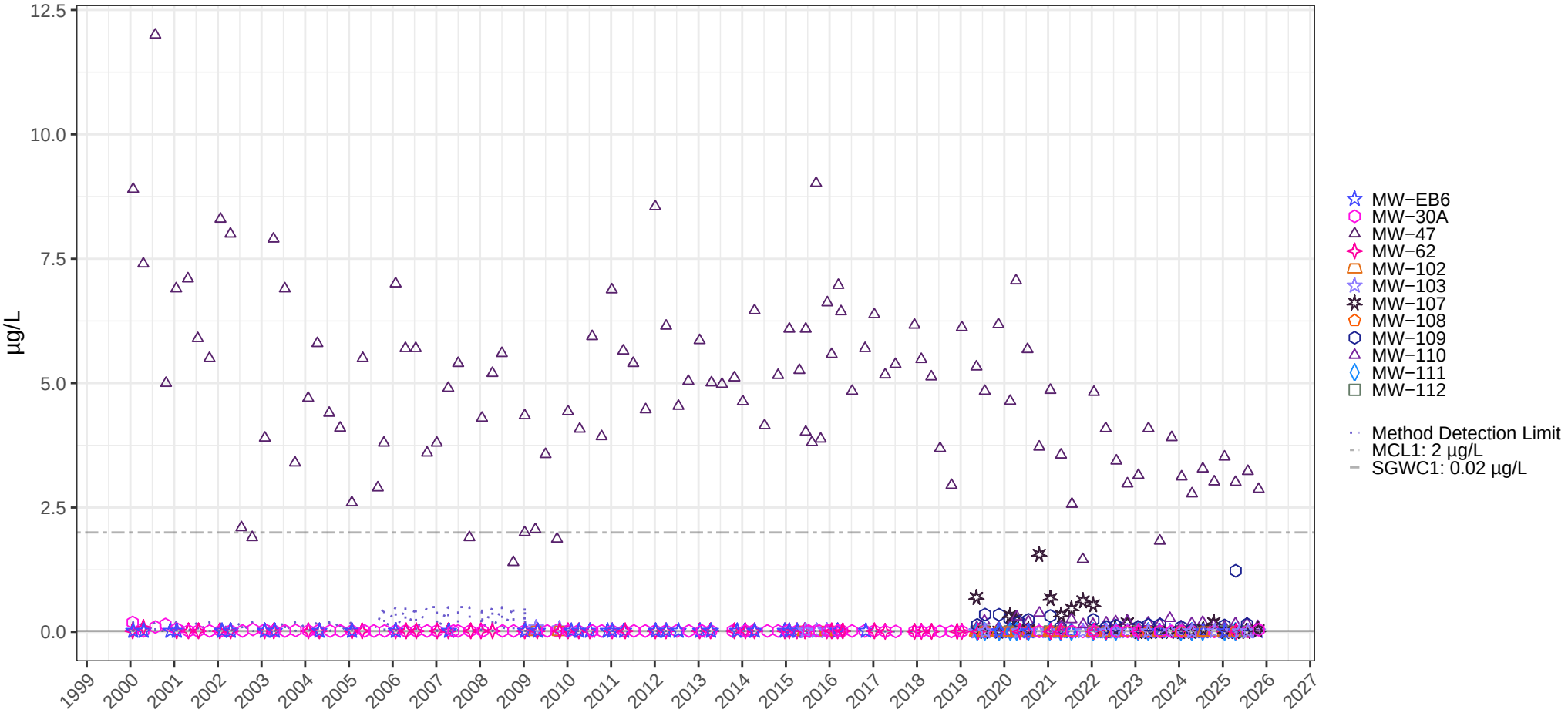


Figure B−27A
East Perched Zone
Vinyl Chloride



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−28B
East Perched Zone
Alkalinity, Total (as CaCO3)

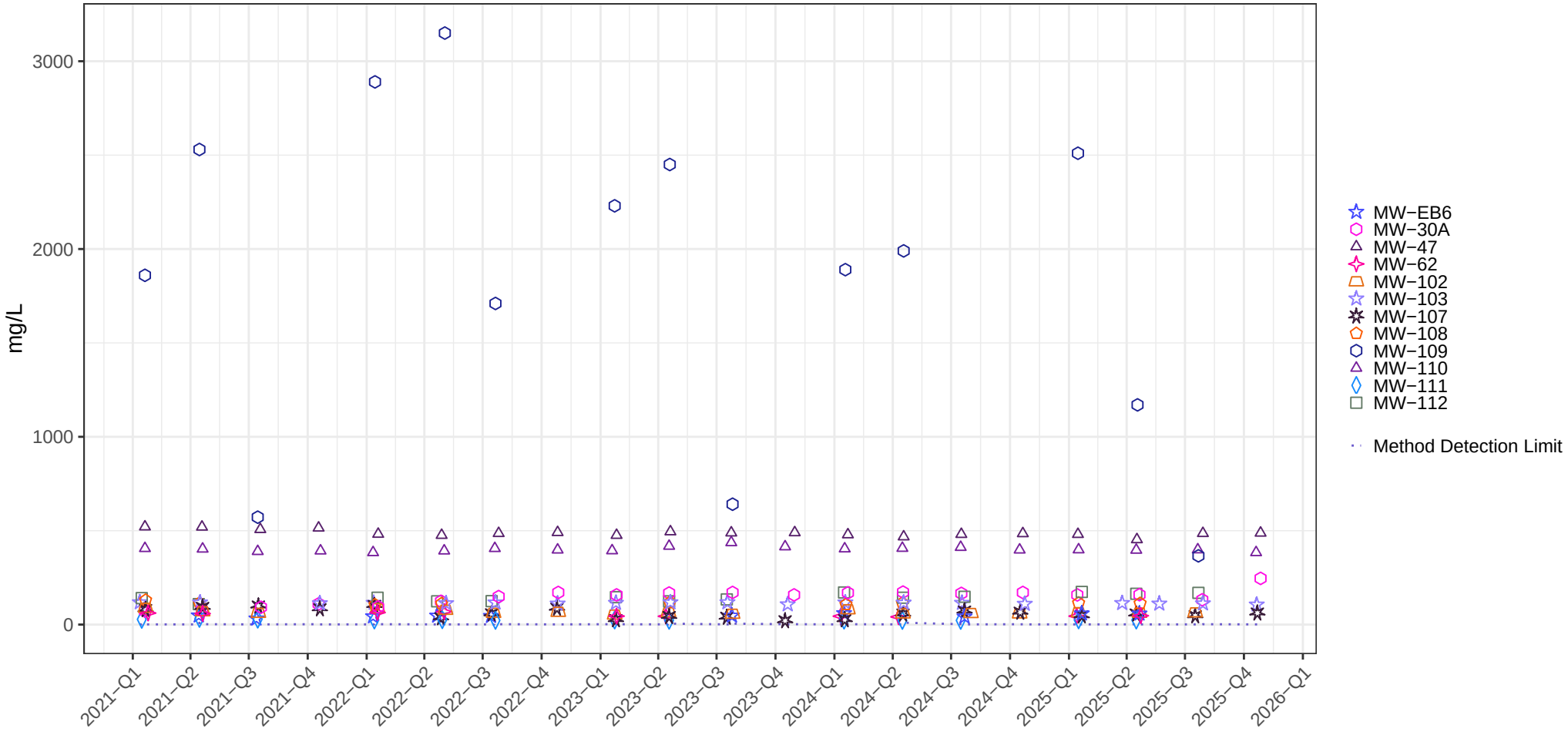


Figure B−29B
East Perched Zone
Ammonia As N

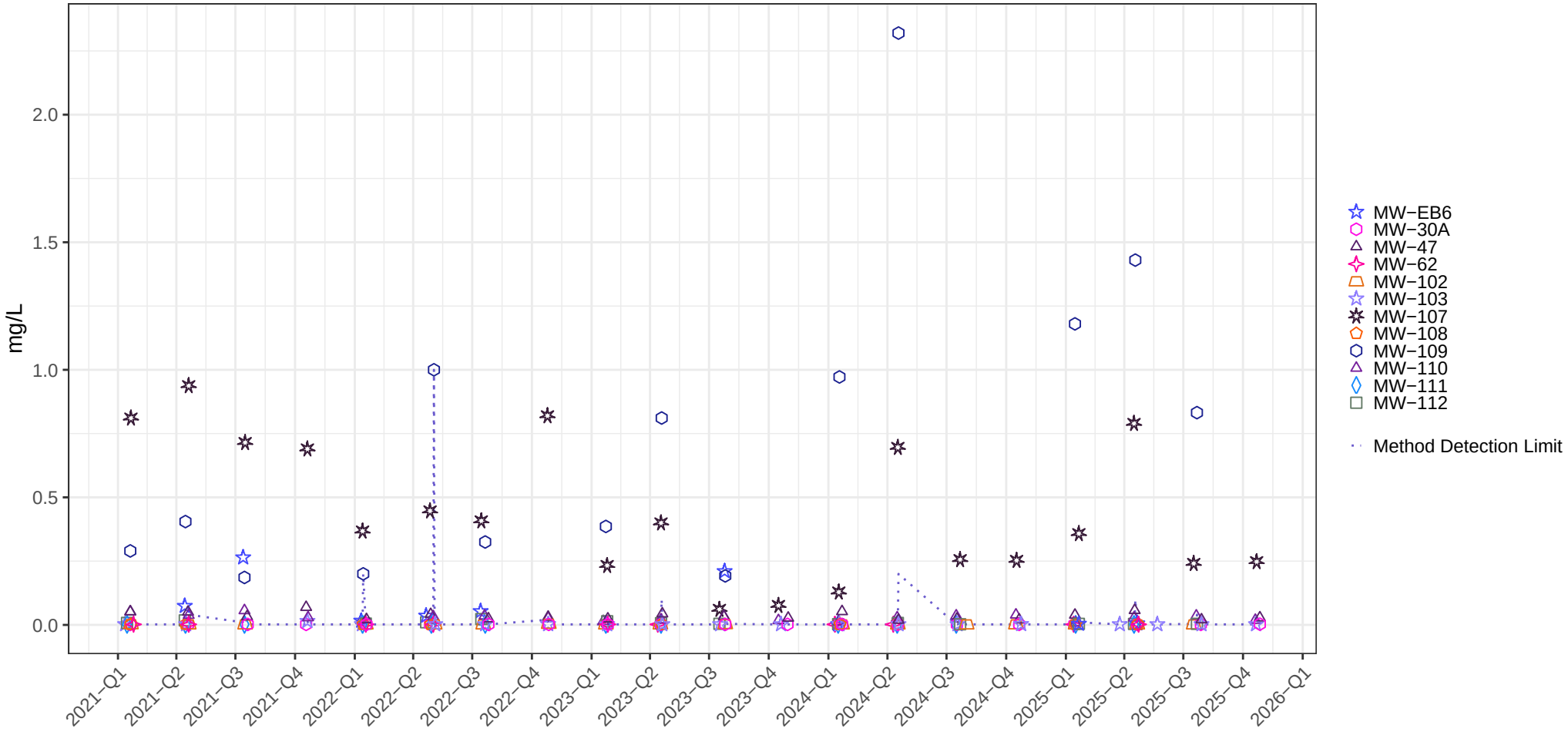
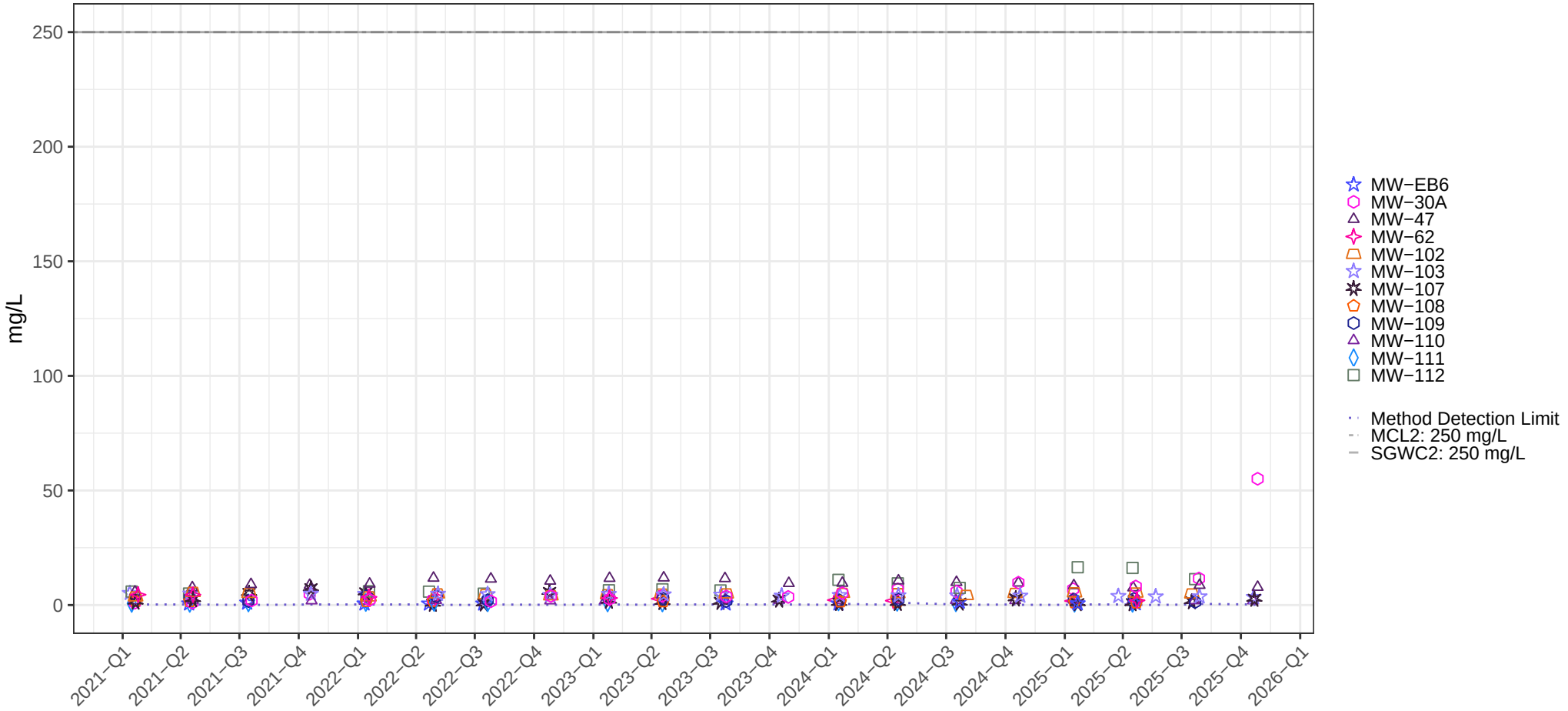
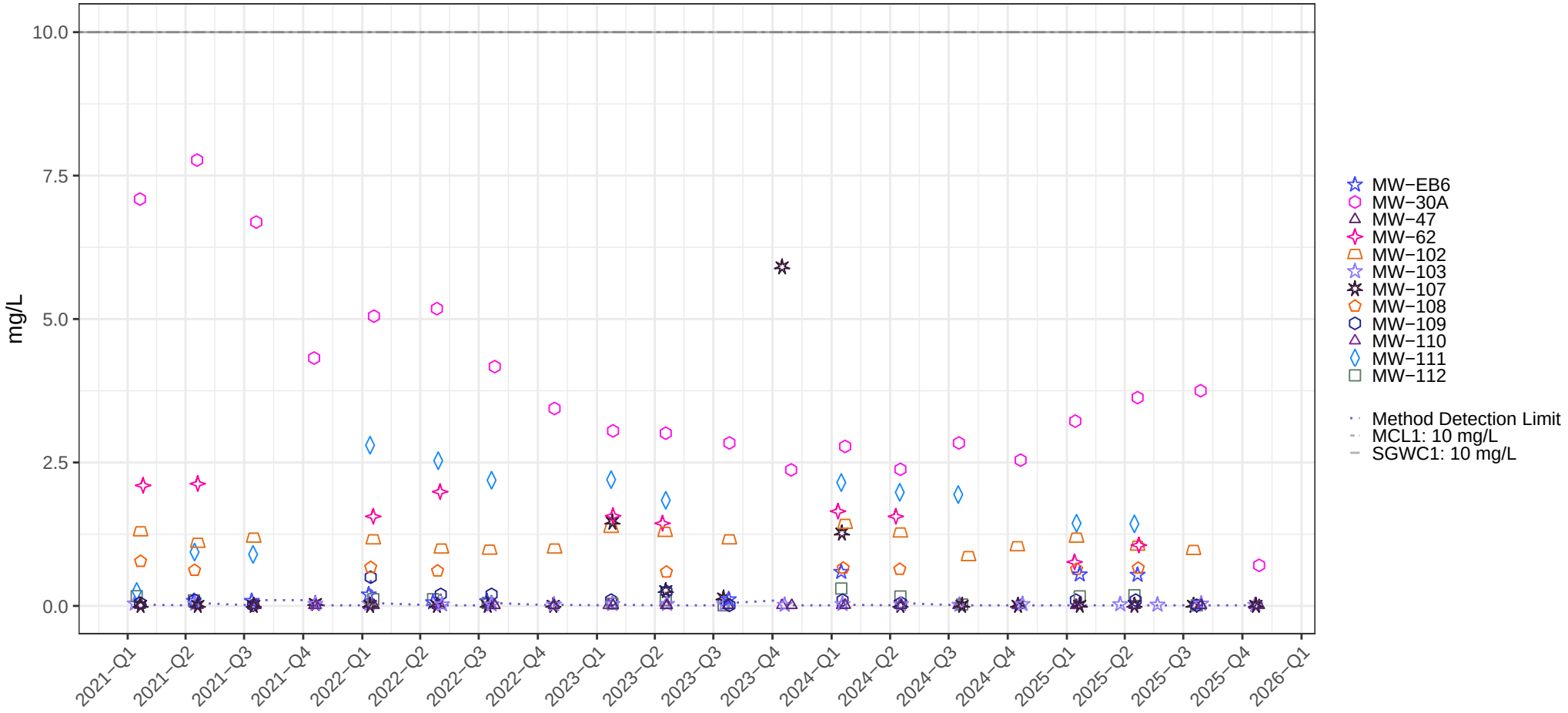


Figure B−30B
East Perched Zone
Chloride



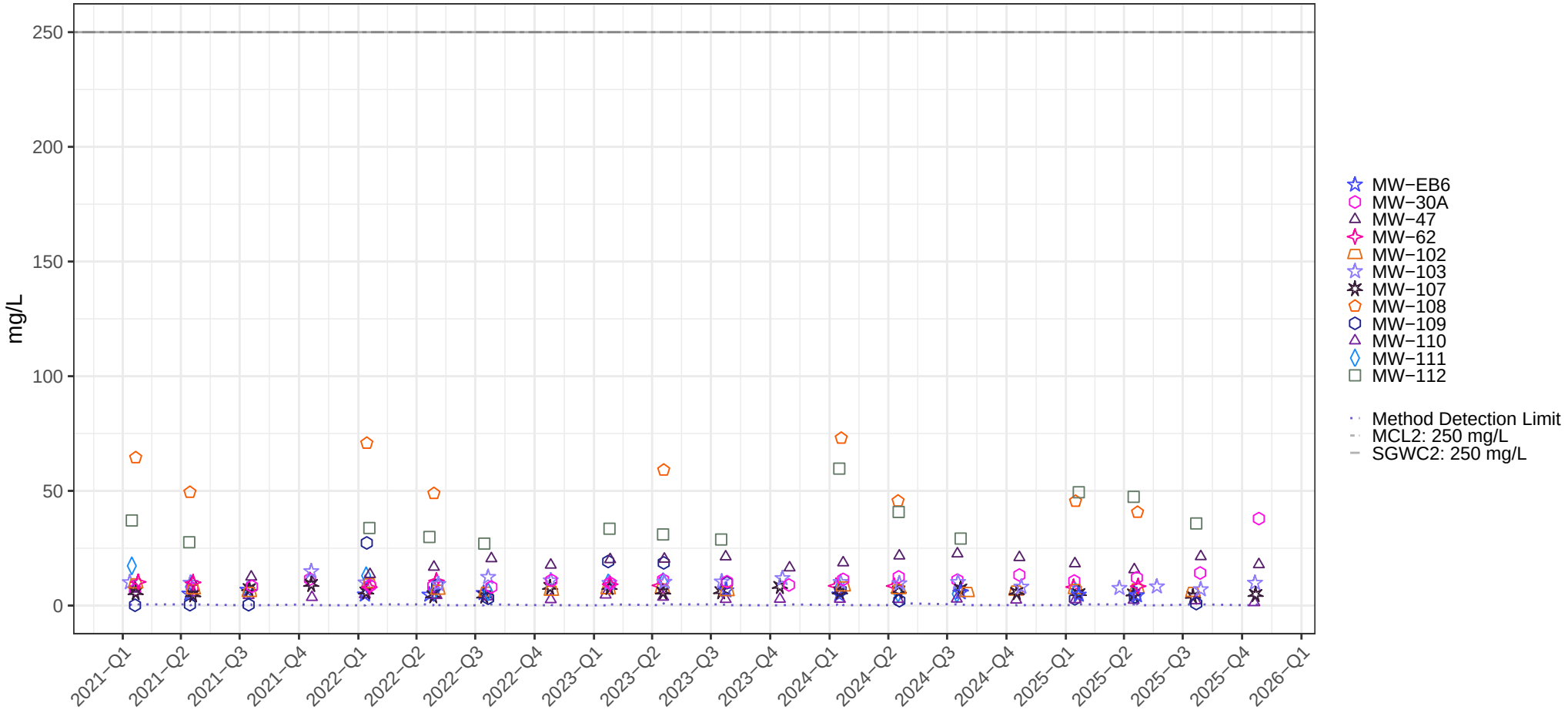
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−31B
East Perched Zone
Nitrate



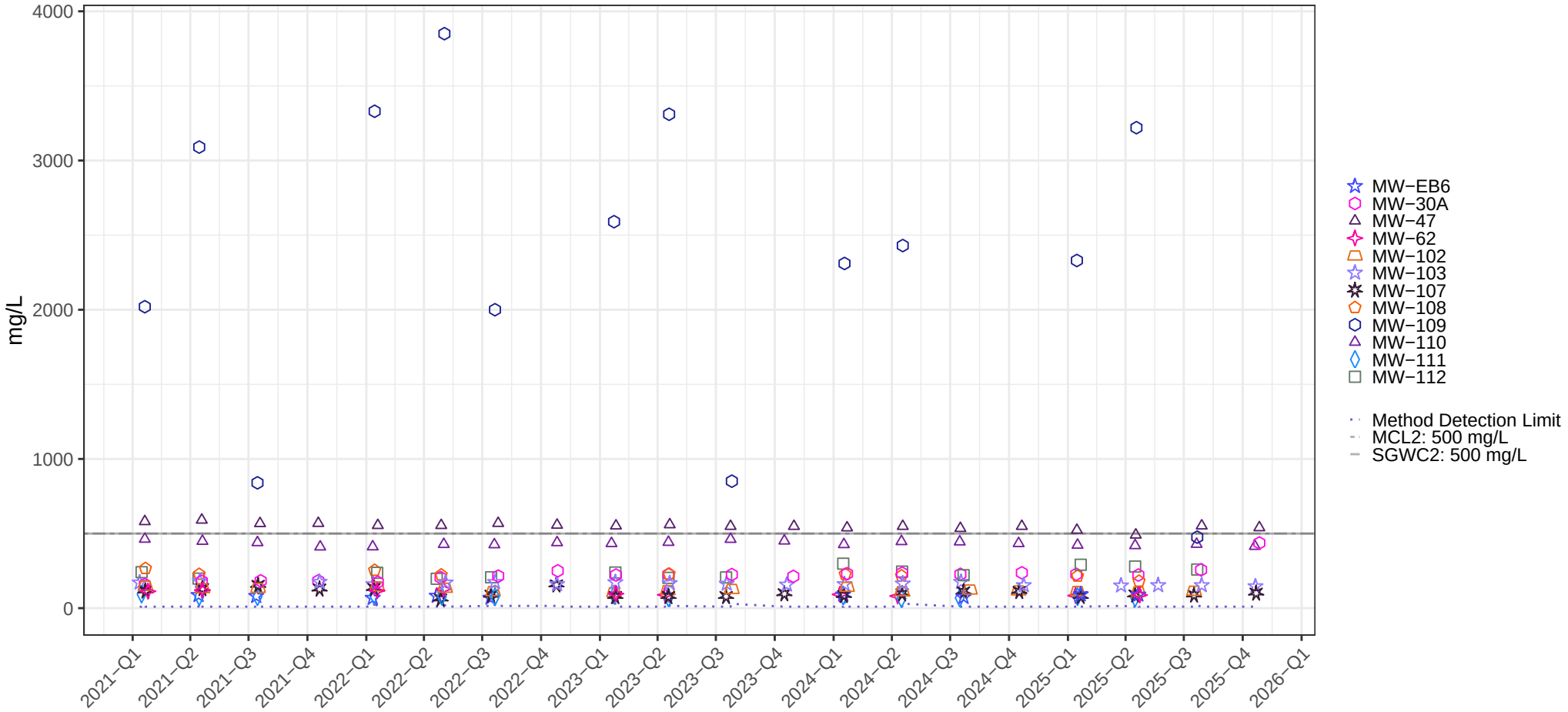
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−32B
East Perched Zone
Sulfate



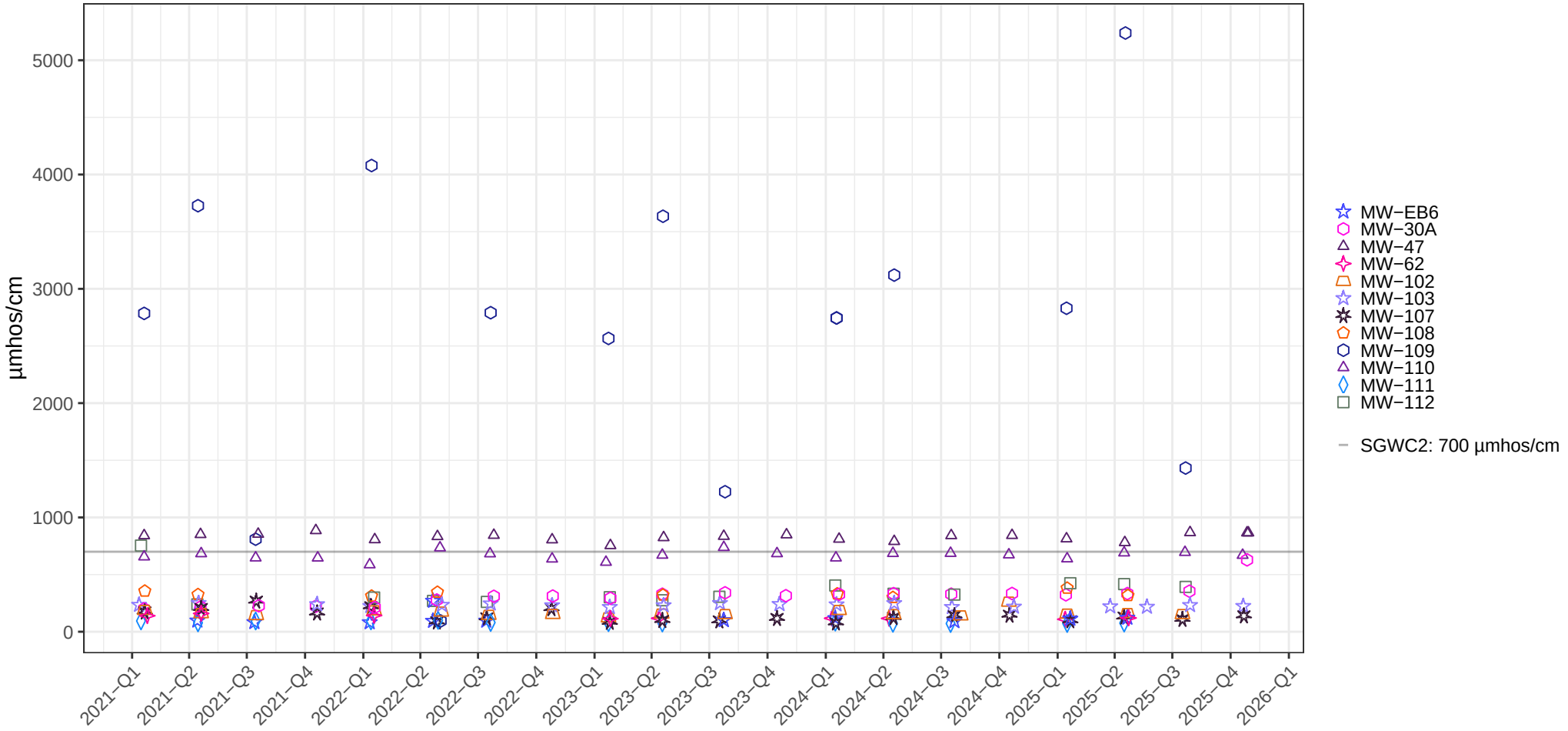
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−33B
East Perched Zone
Total Dissolved Solids



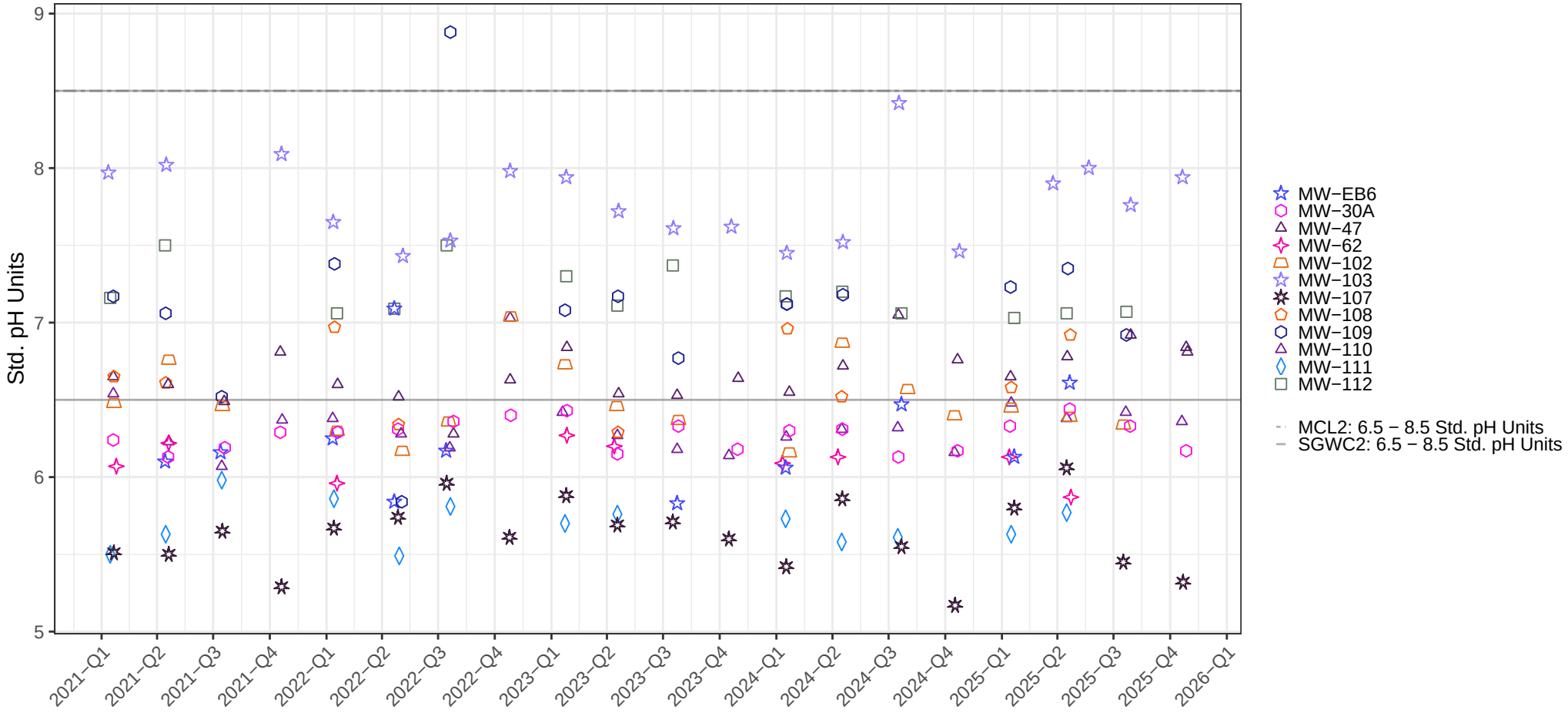
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−34B
East Perched Zone
Specific Conductivity, Field



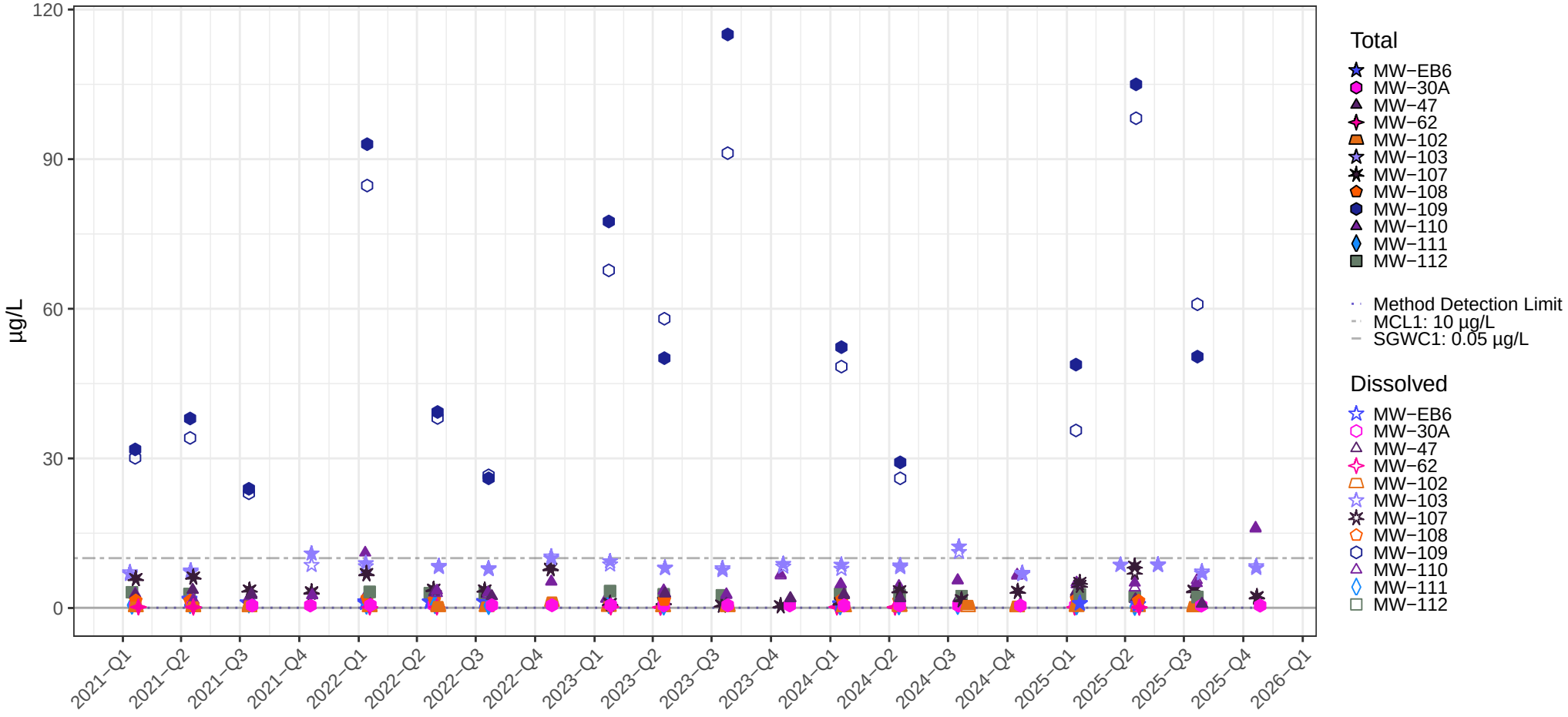
SGWC2: Washington State Secondary Groundwater Quality Criteria

Figure B−35B
East Perched Zone
pH, Field



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−36B
East Perched Zone
Arsenic



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−37B
East Perched Zone
Calcium

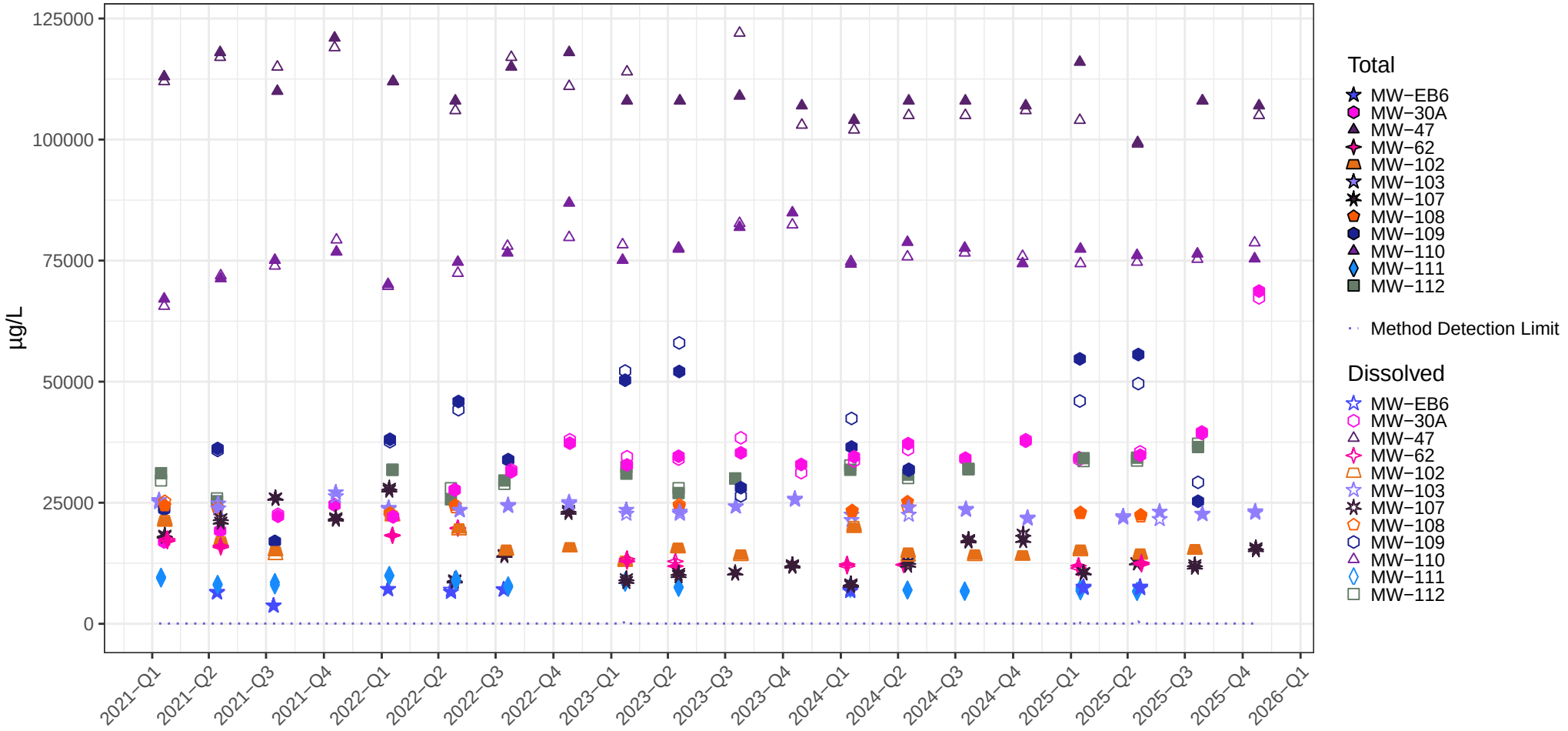
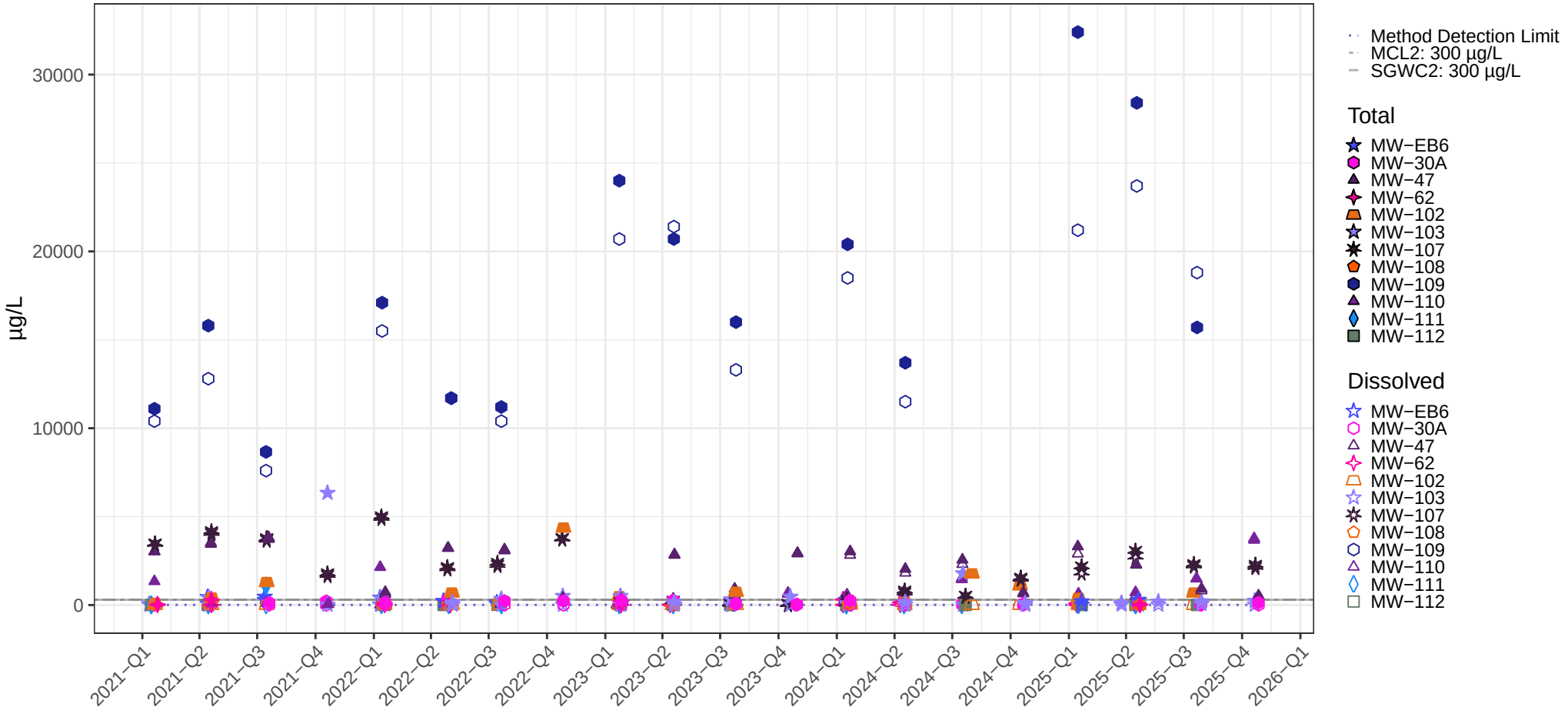


Figure B−38B
East Perched Zone
Iron



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−39B
East Perched Zone
Magnesium

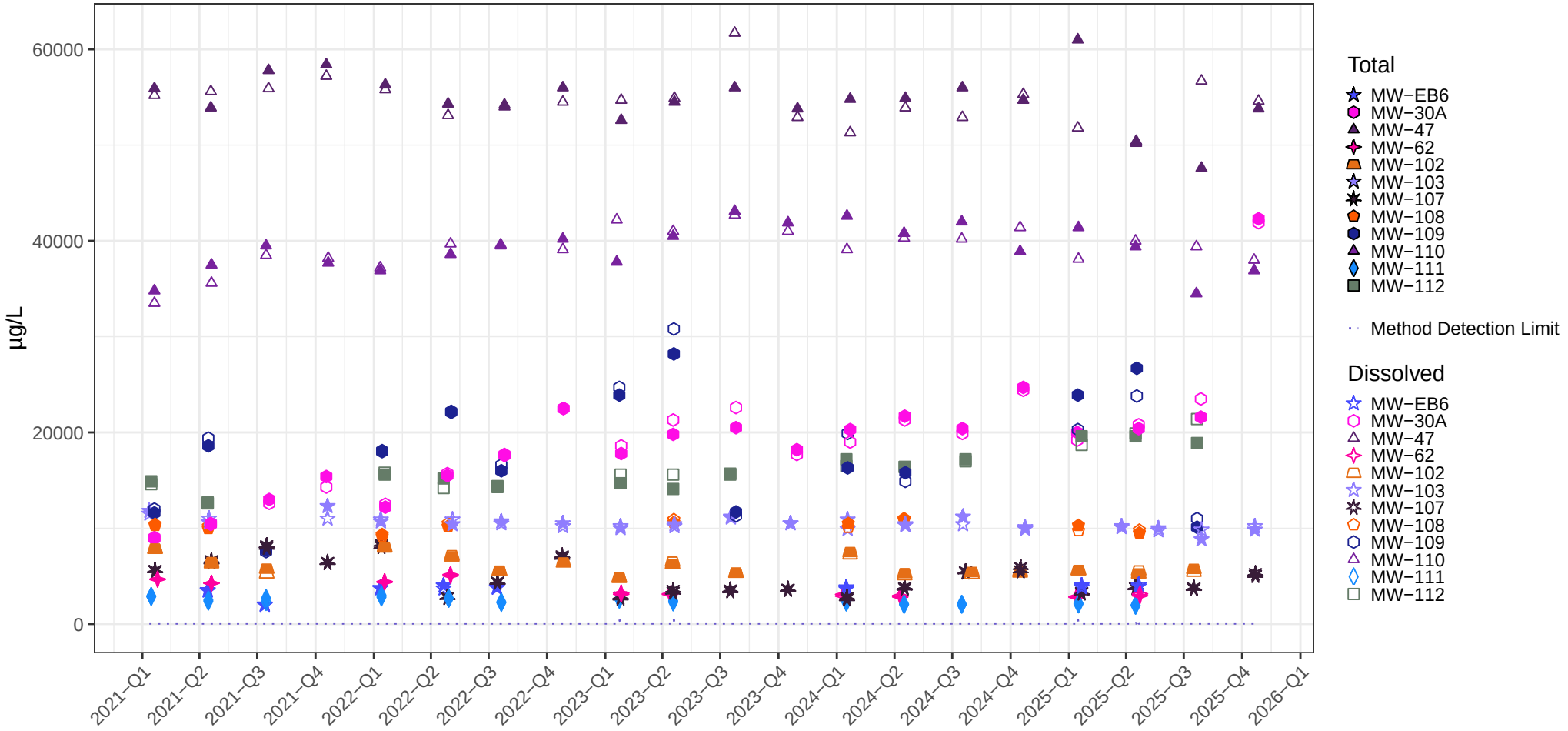
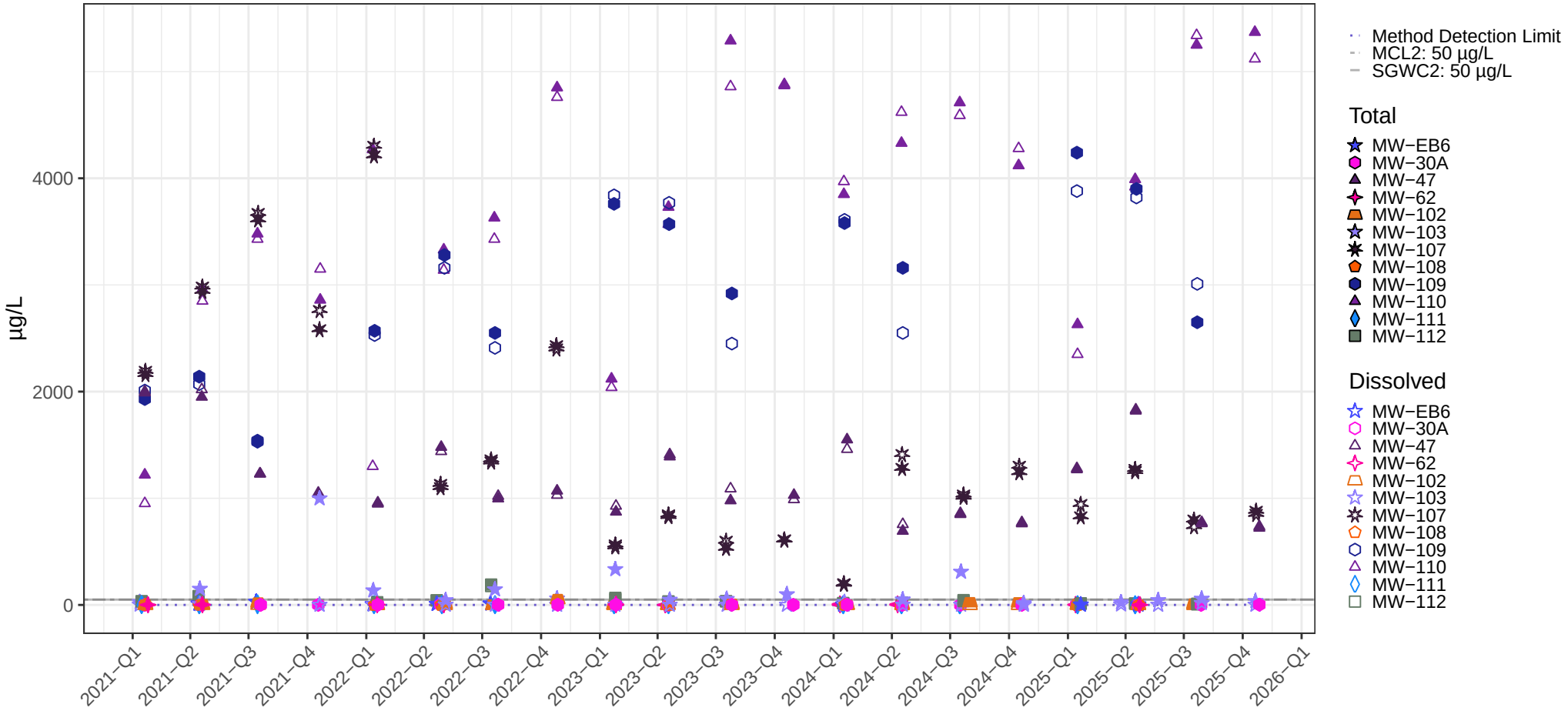


Figure B−40B
East Perched Zone
Manganese



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−41B
East Perched Zone
Potassium

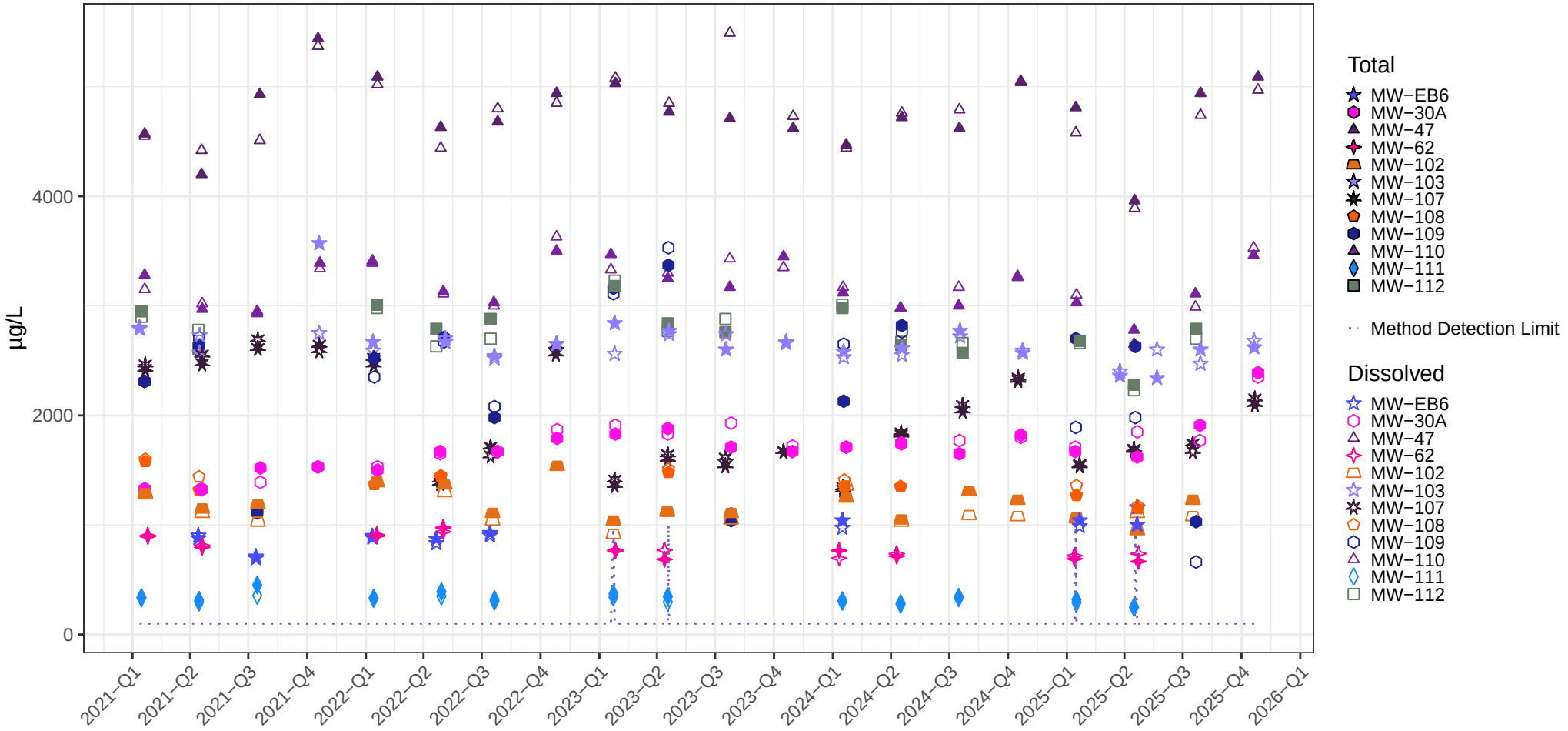
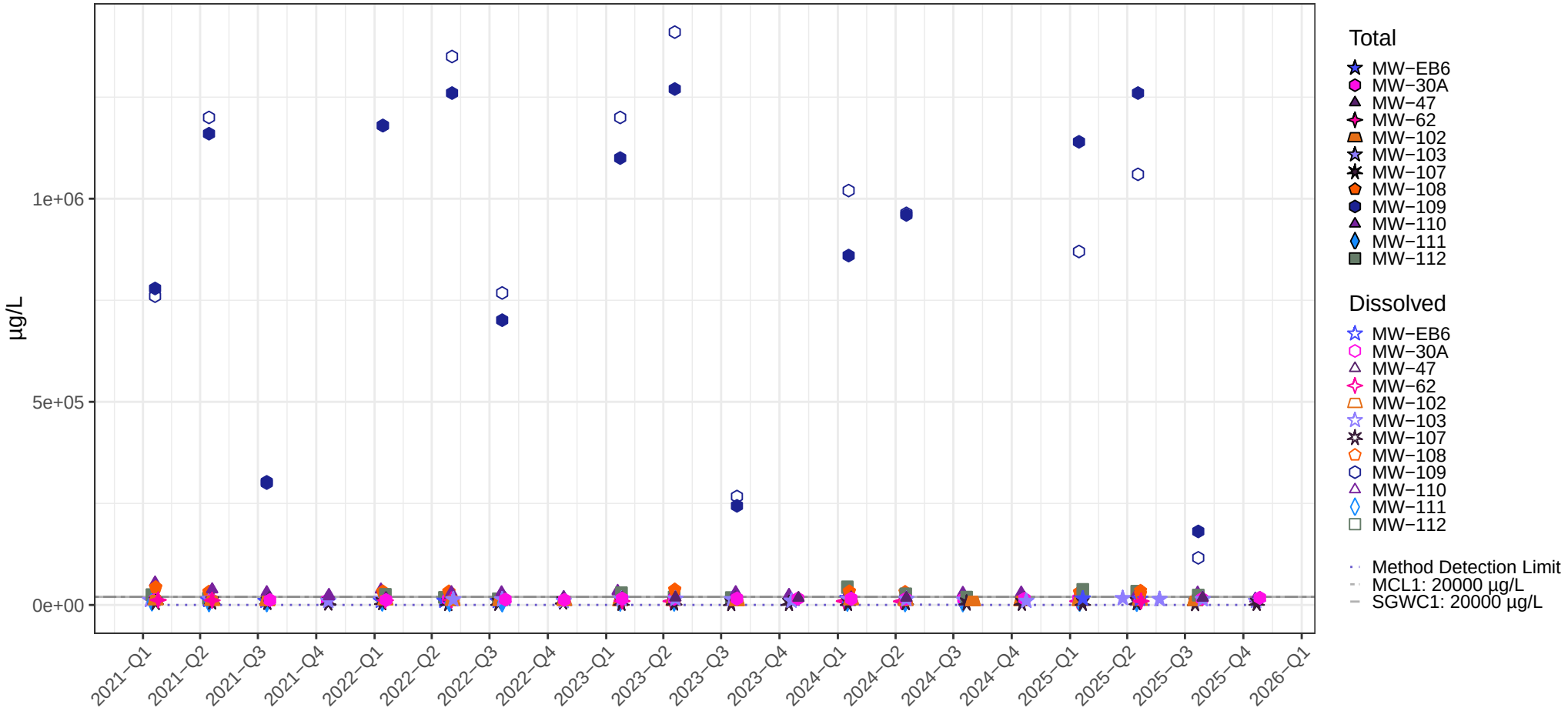
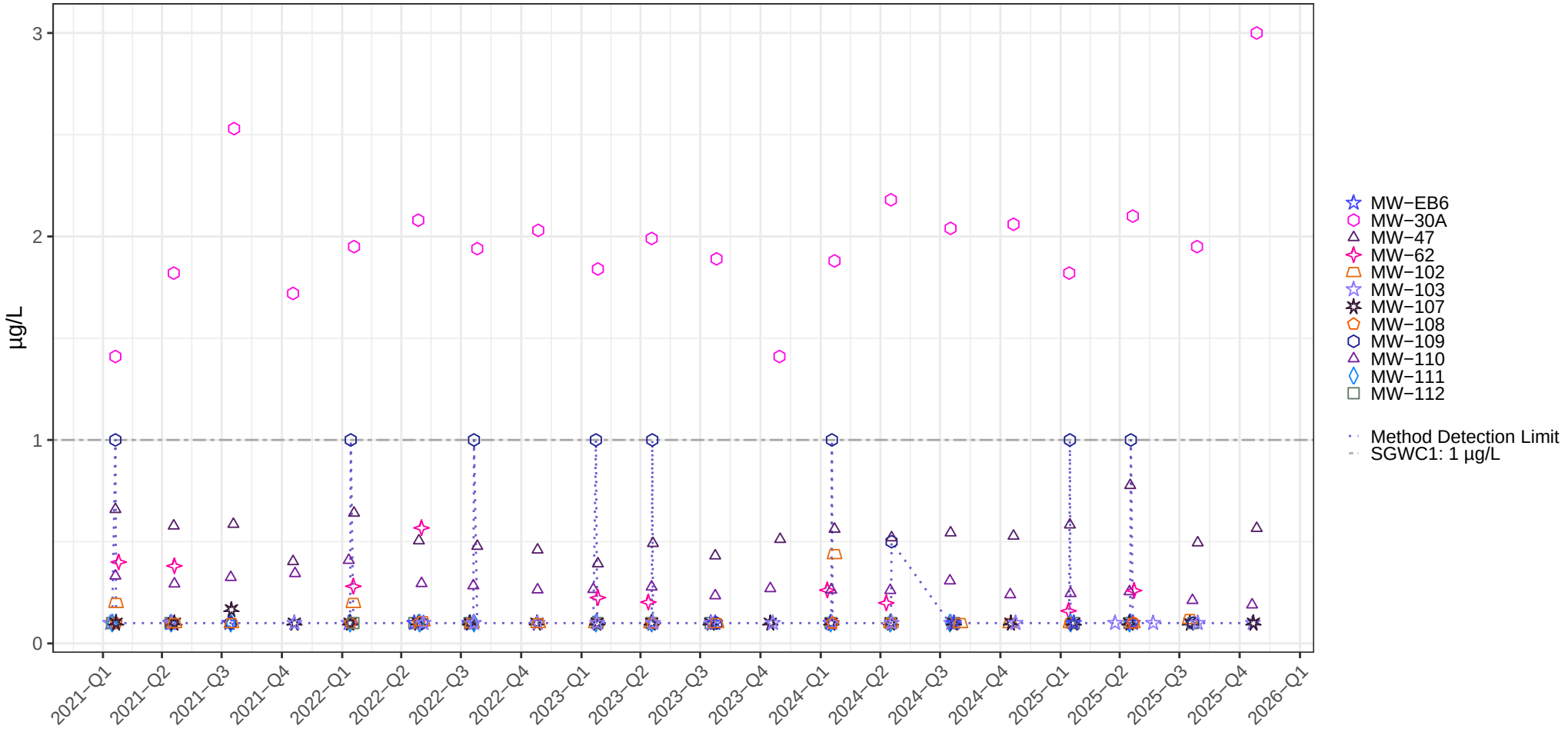


Figure B−42B
East Perched Zone
Sodium



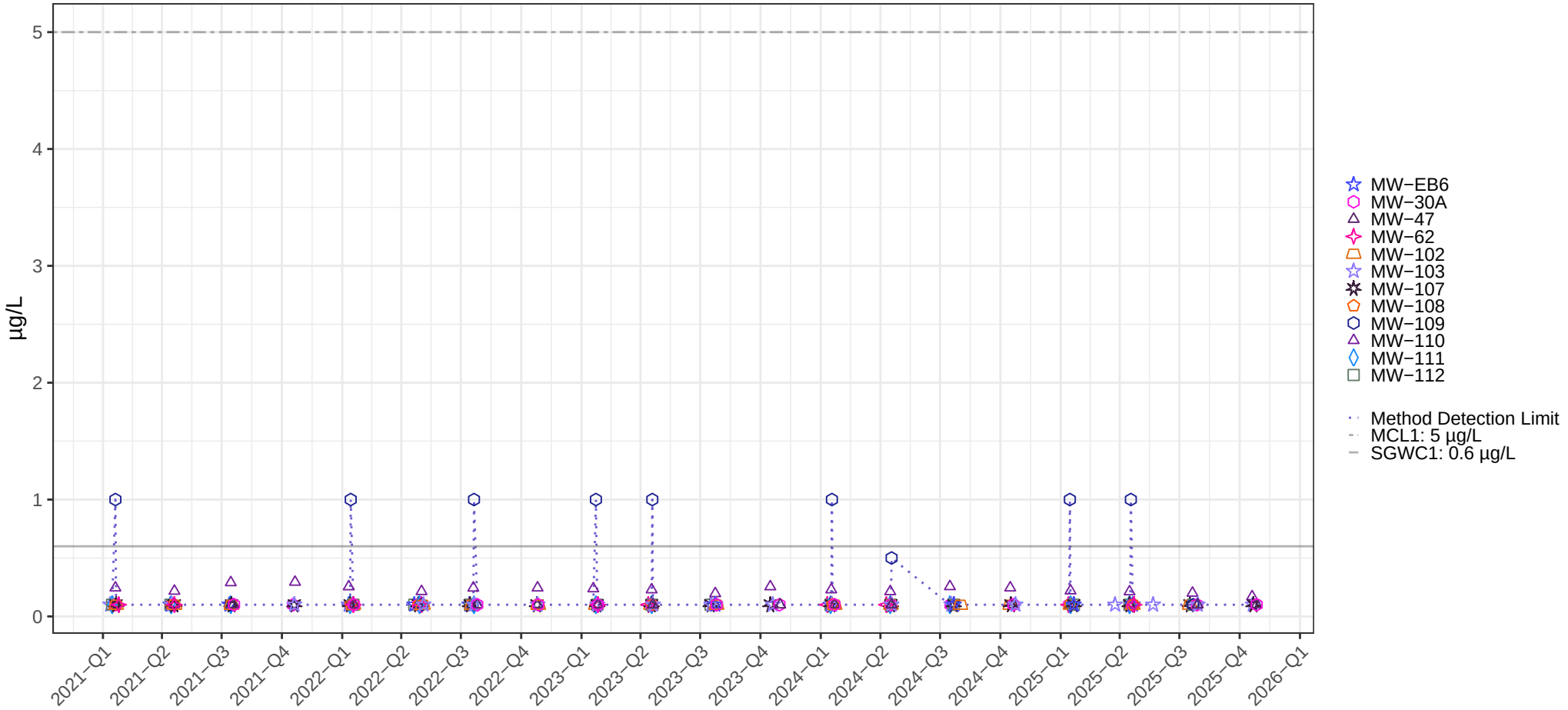
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−43B
East Perched Zone
1,1−Dichloroethane



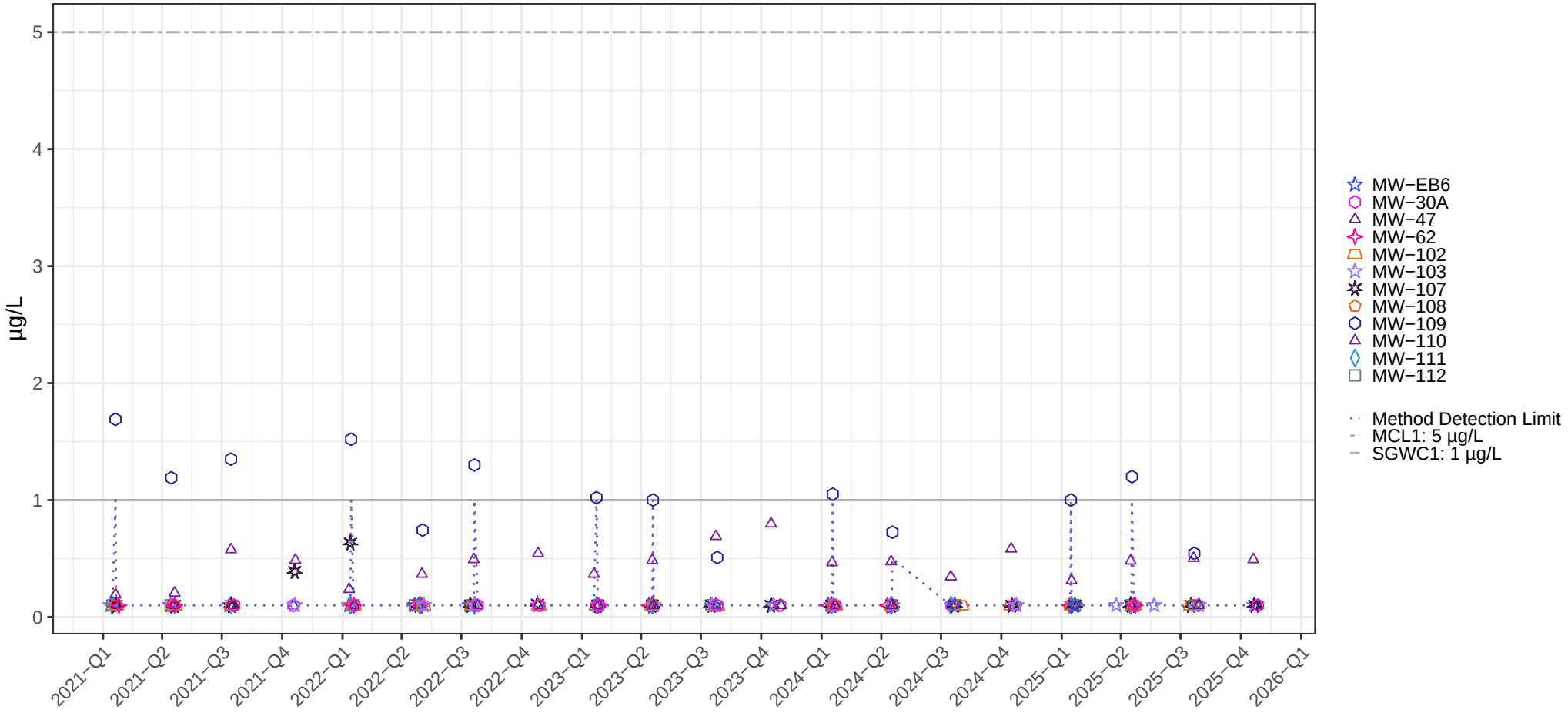
SGWC1: Washington State Primary Groundwater Quality Criteria

Figure B−44B
East Perched Zone
1,2−Dichloropropane



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−45B
East Perched Zone
Benzene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−46B
East Perched Zone
Chloroethane

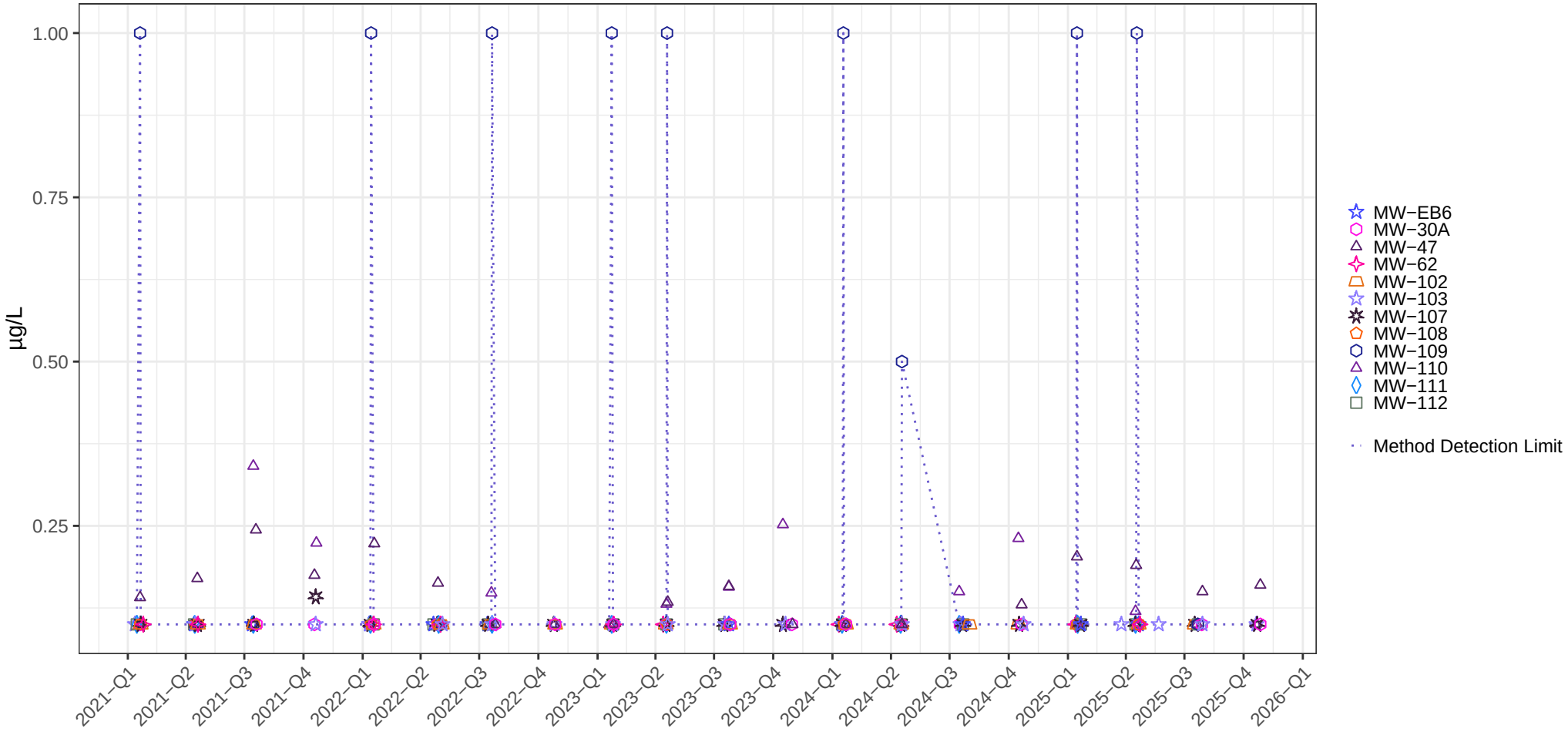
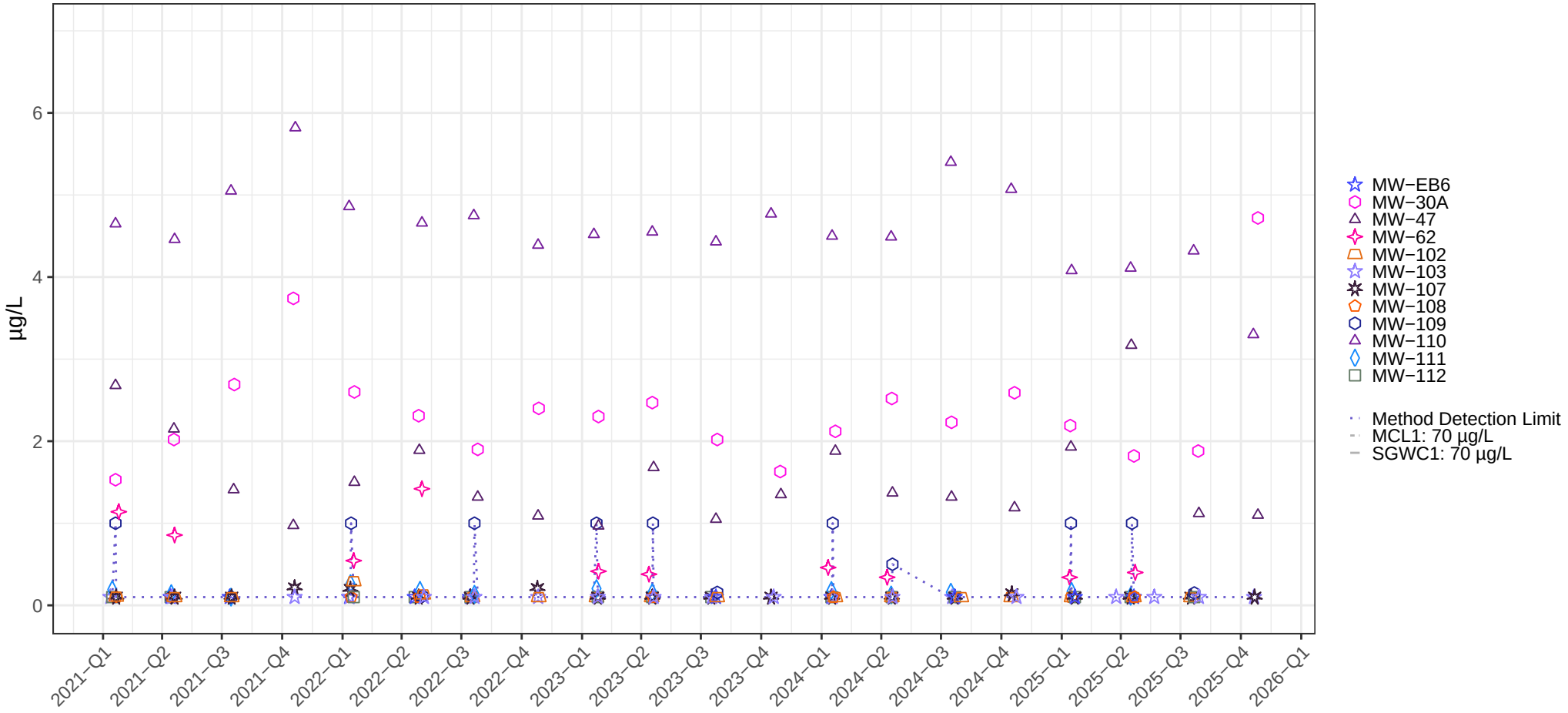


Figure B−47B
East Perched Zone
Cis−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−48B
East Perched Zone
Dichlorodifluoromethane

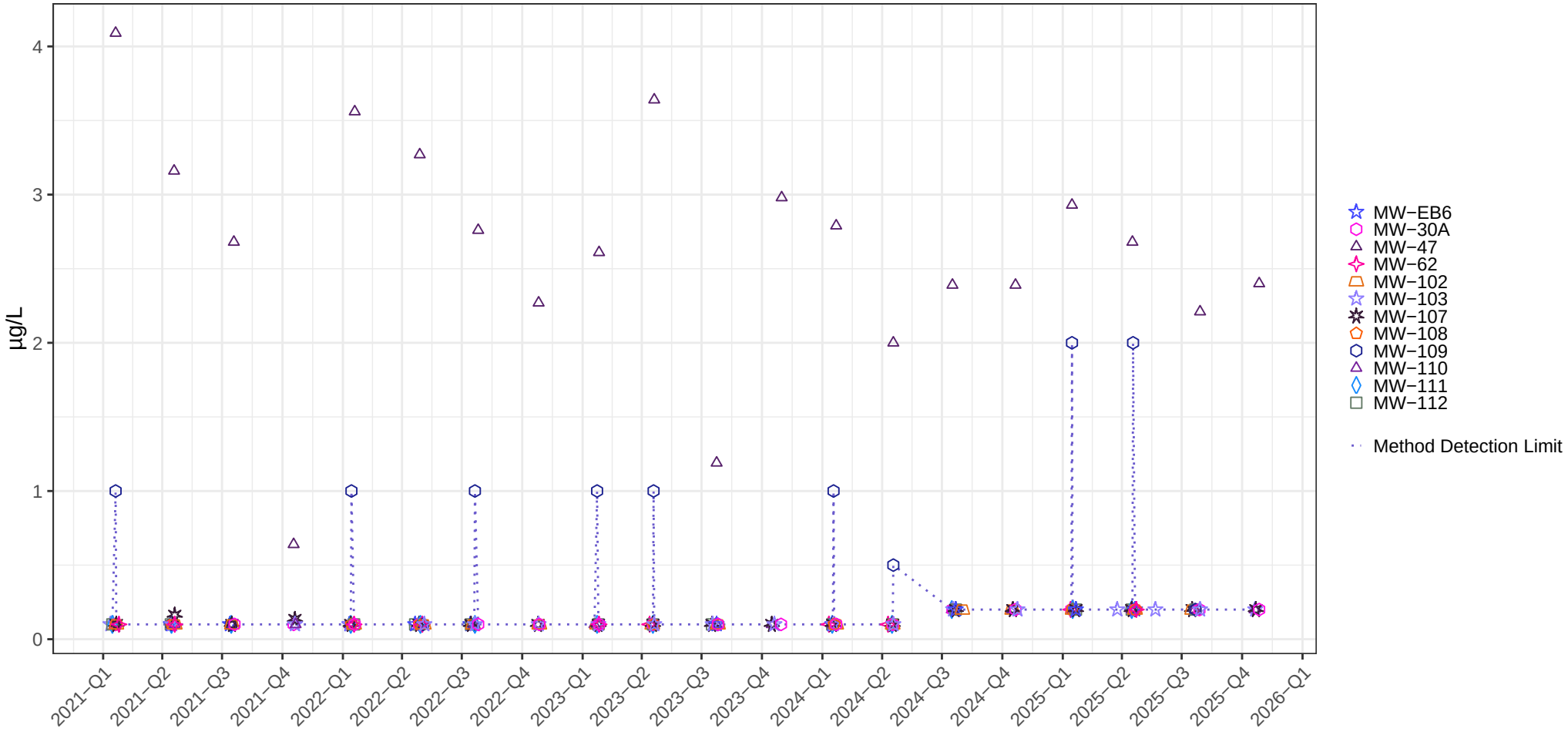
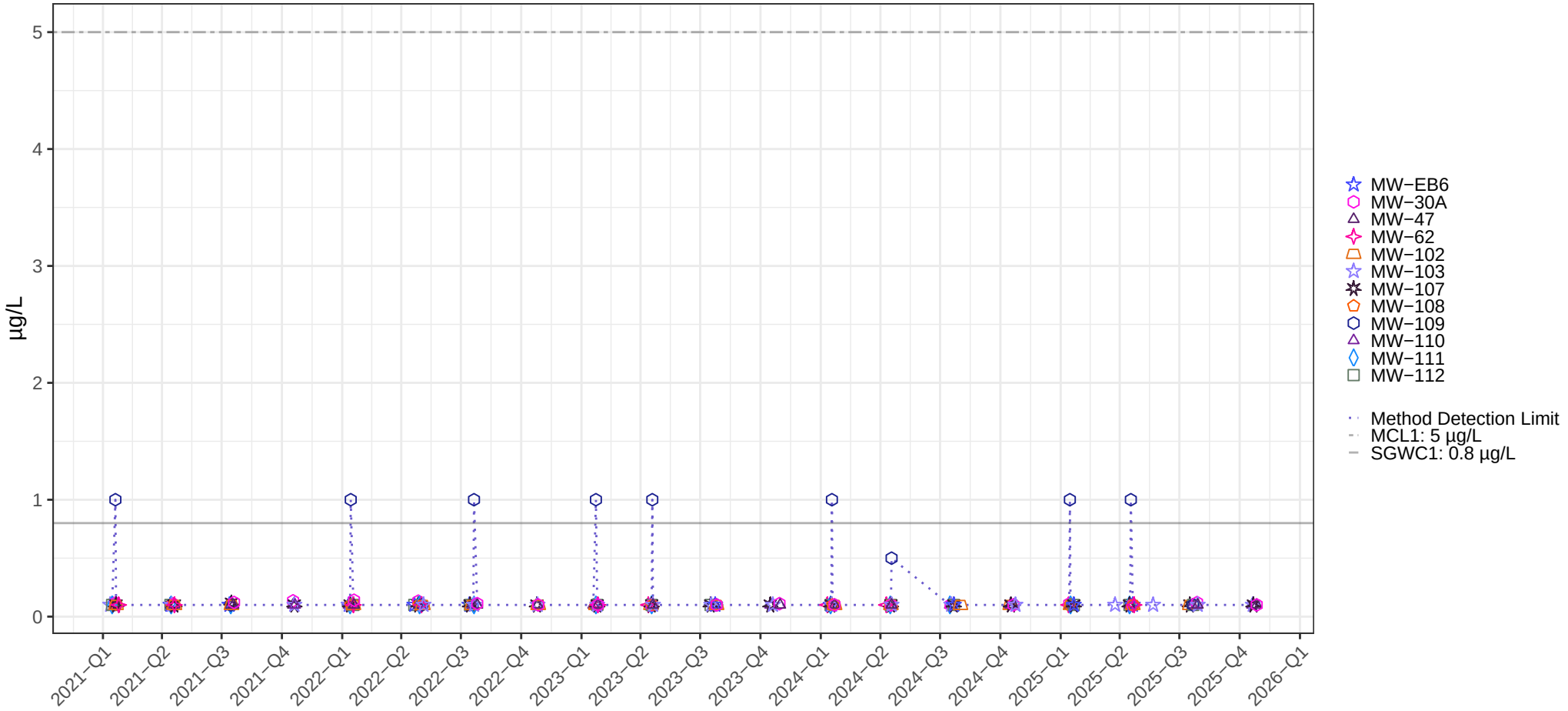
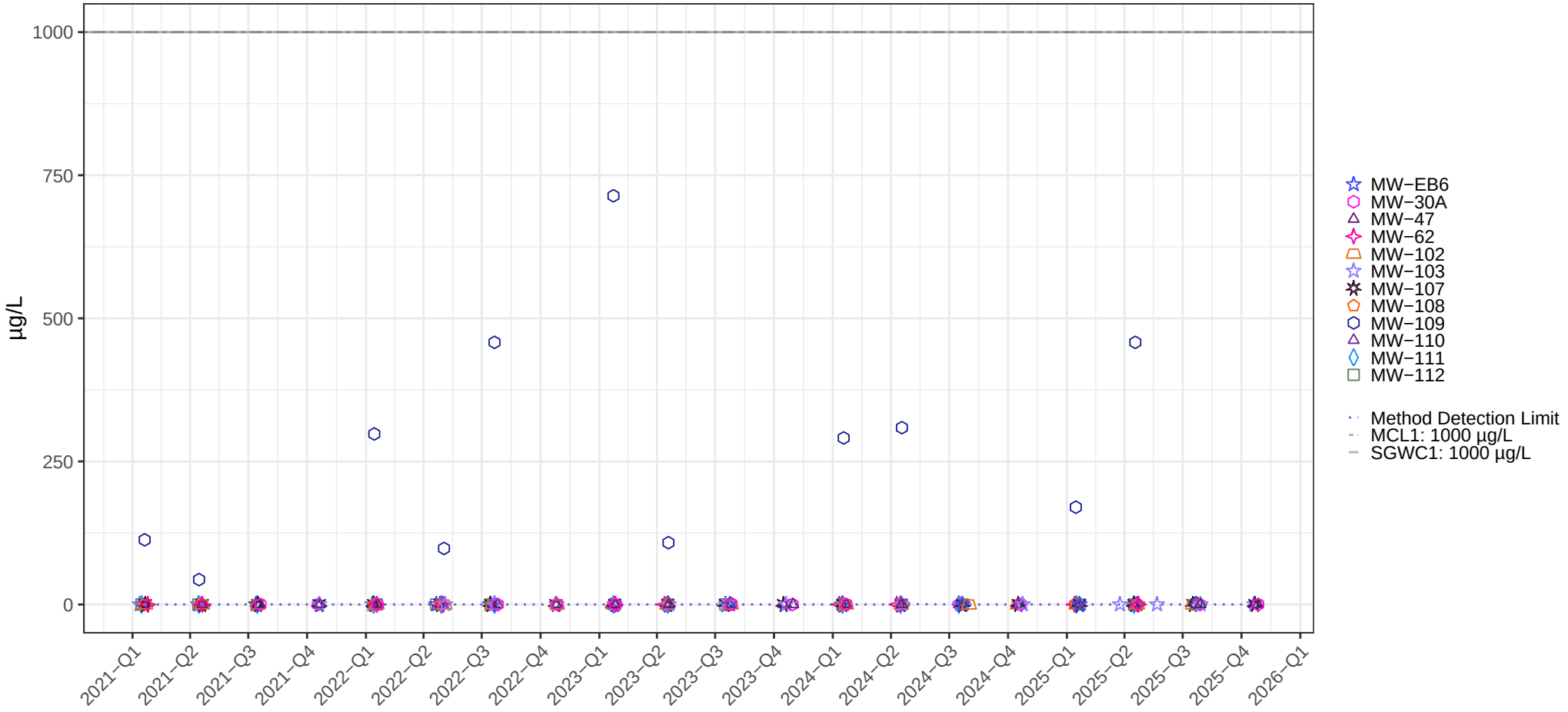


Figure B−49B
East Perched Zone
Tetrachloroethene



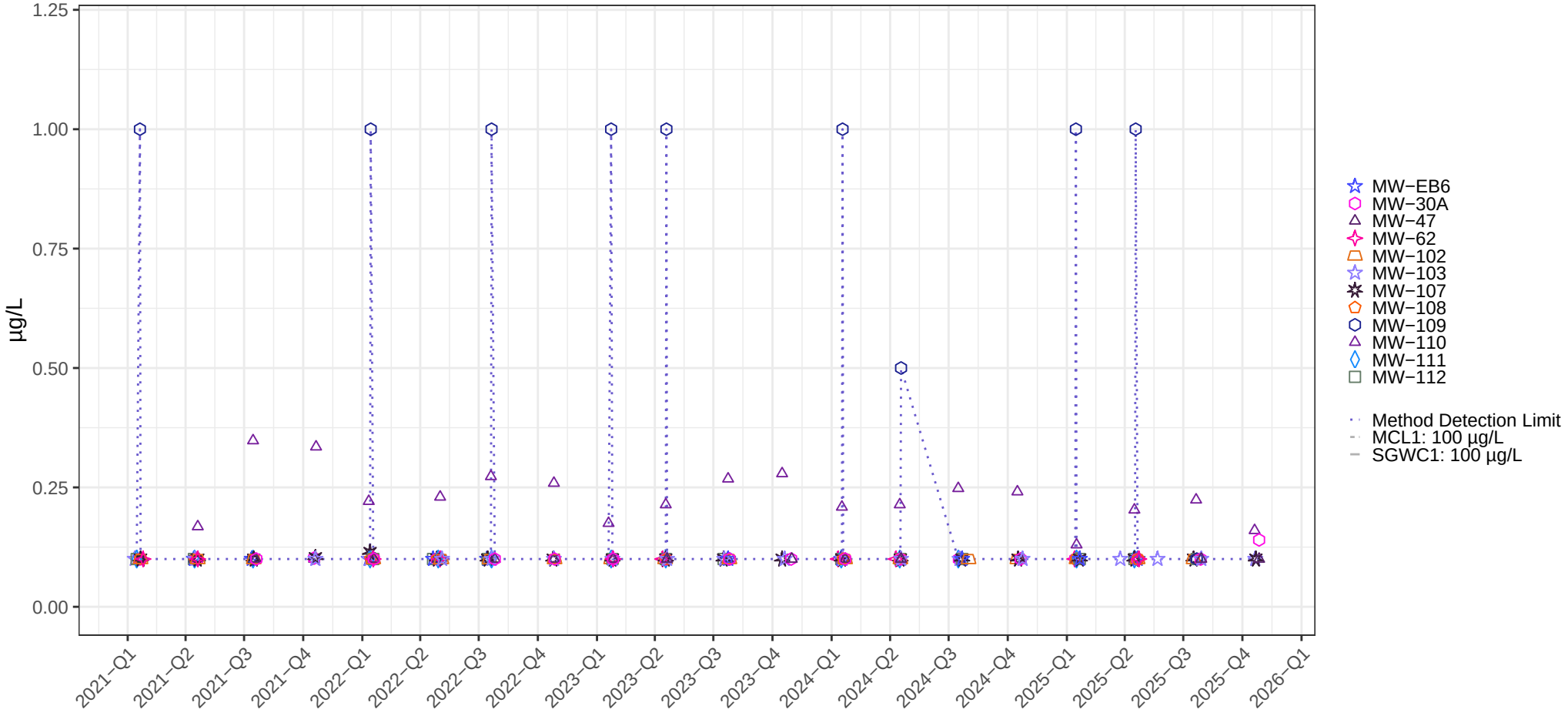
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−50B
East Perched Zone
Toluene



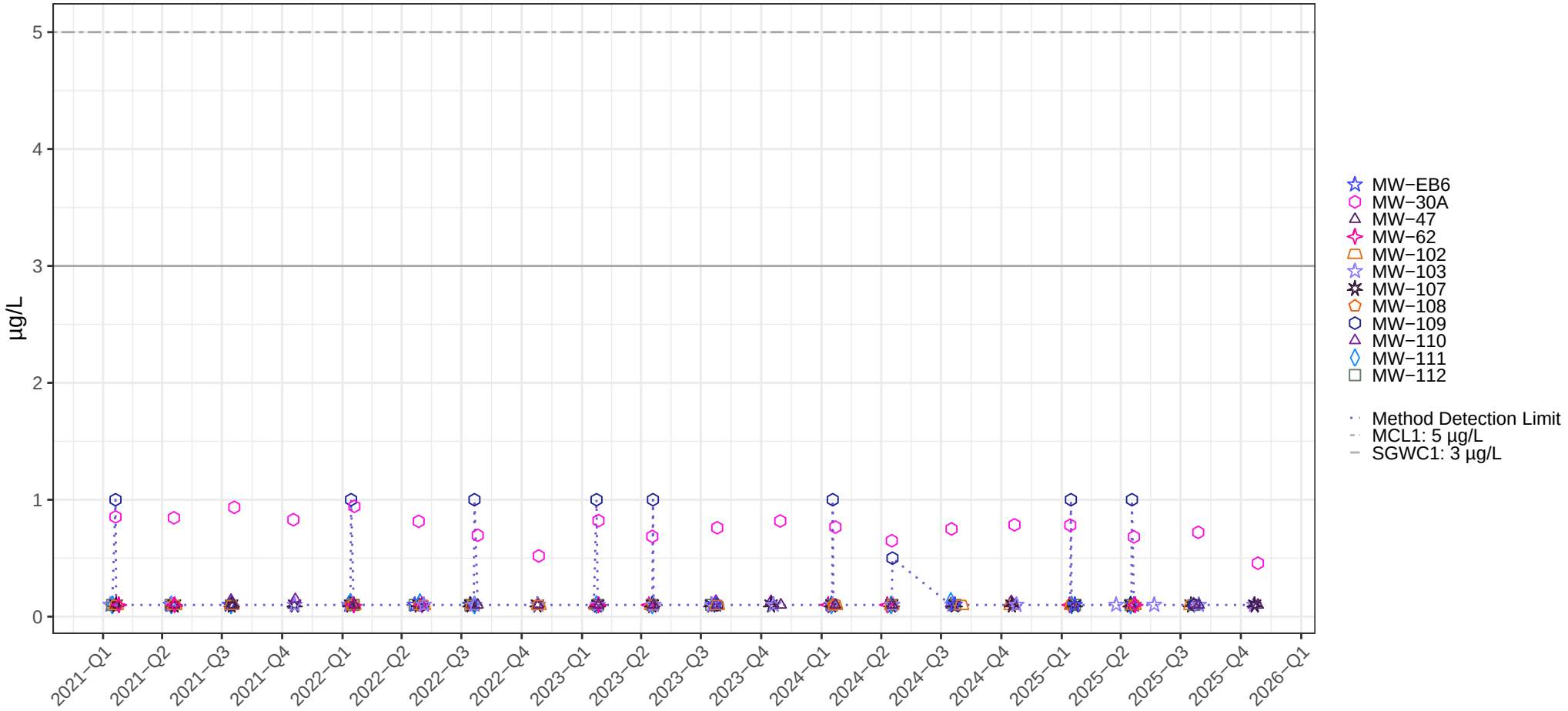
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−51B
East Perched Zone
Trans−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−52B
East Perched Zone
Trichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−53B
East Perched Zone
Trichlorofluoromethane

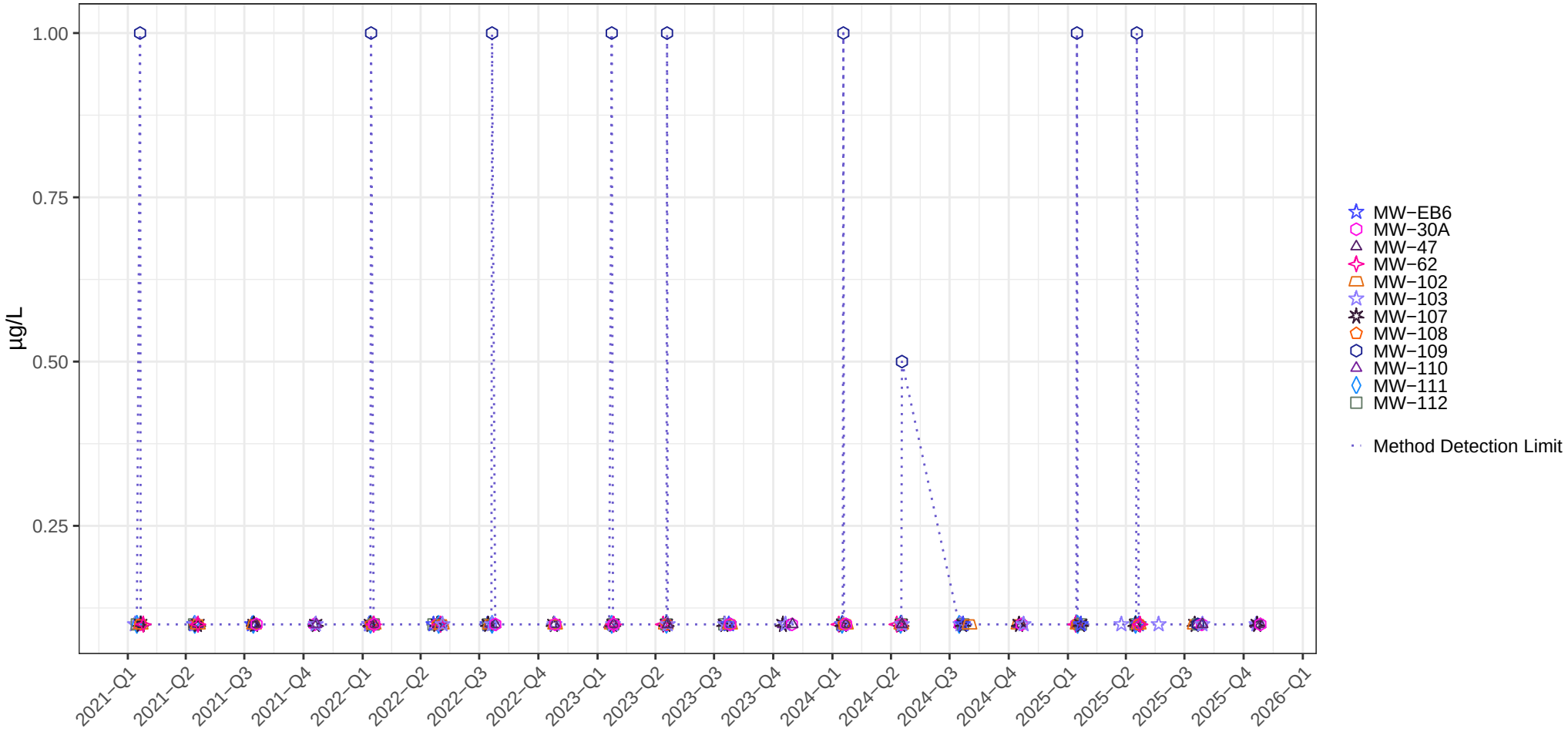
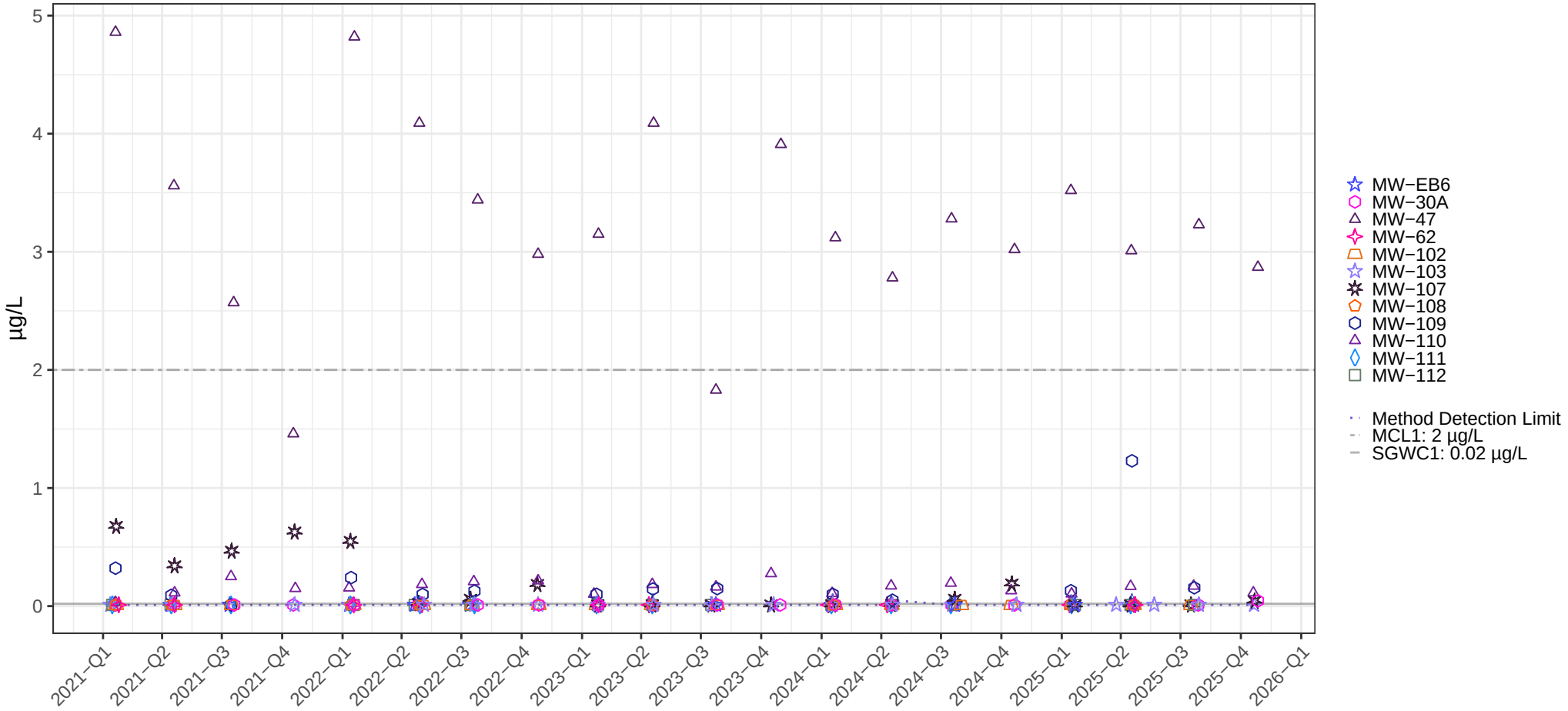


Figure B−54B
East Perched Zone
Vinyl Chloride



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−55A
SSWA Perched Zone
Alkalinity, Total (as CaCO3)

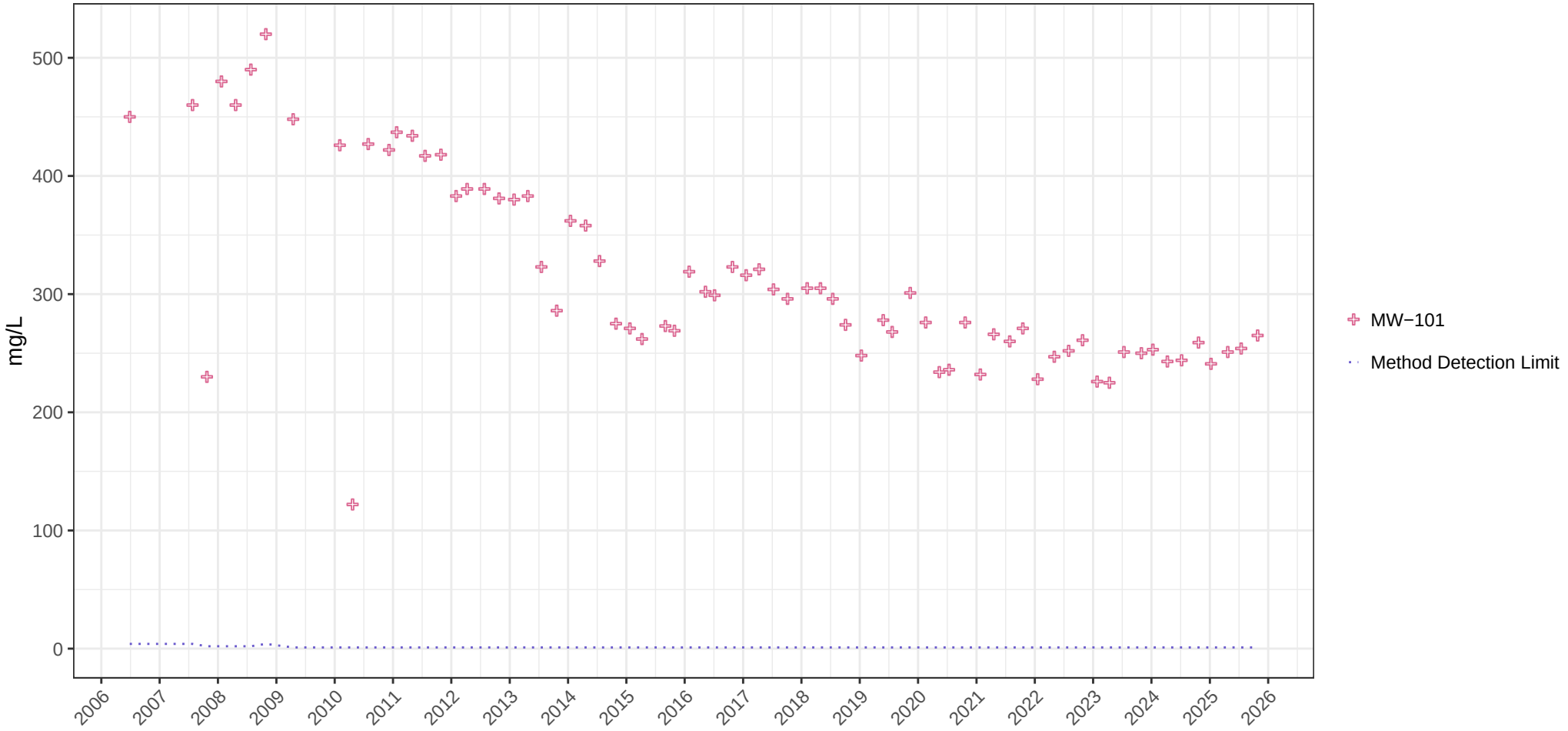


Figure B−56A
SSWA Perched Zone
Ammonia As N

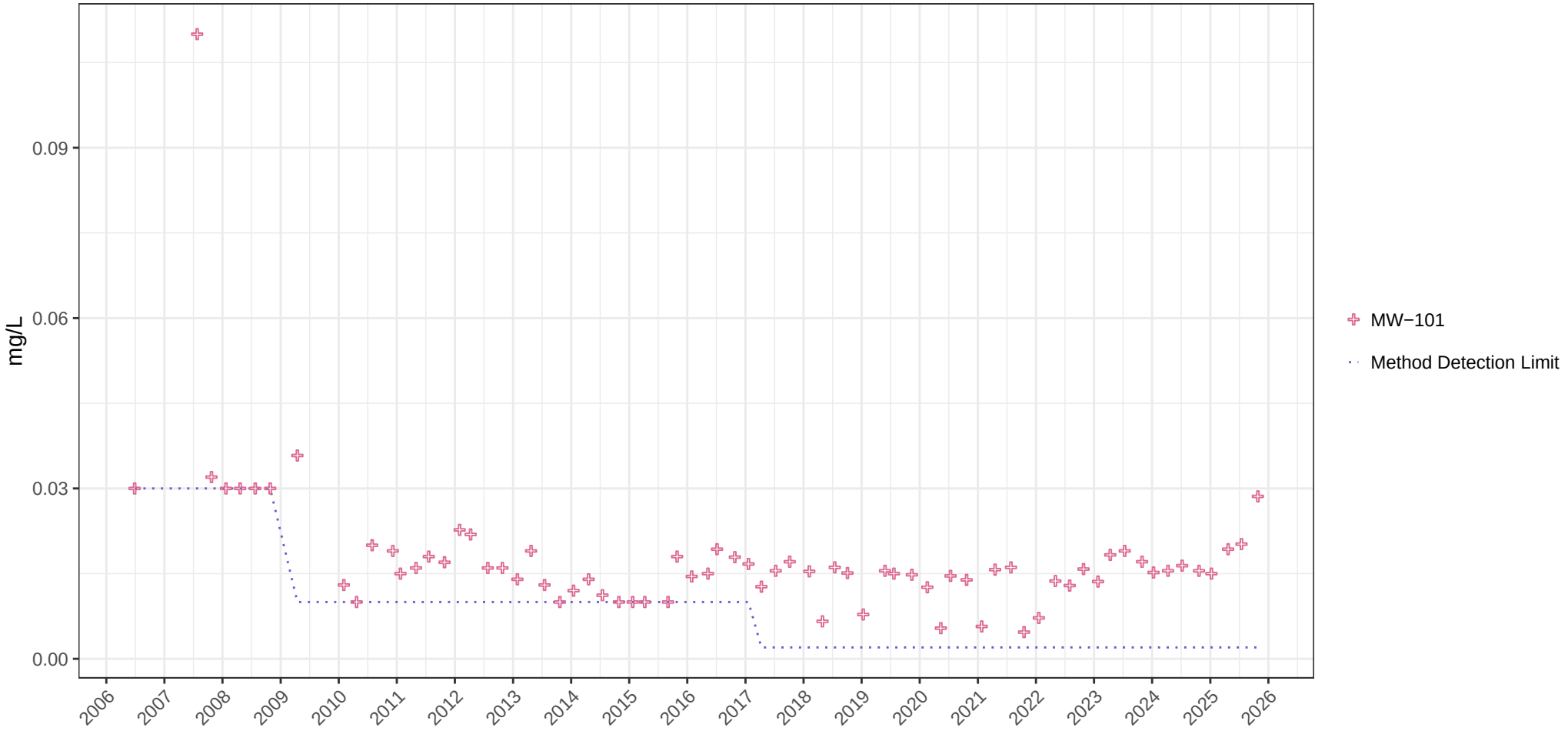
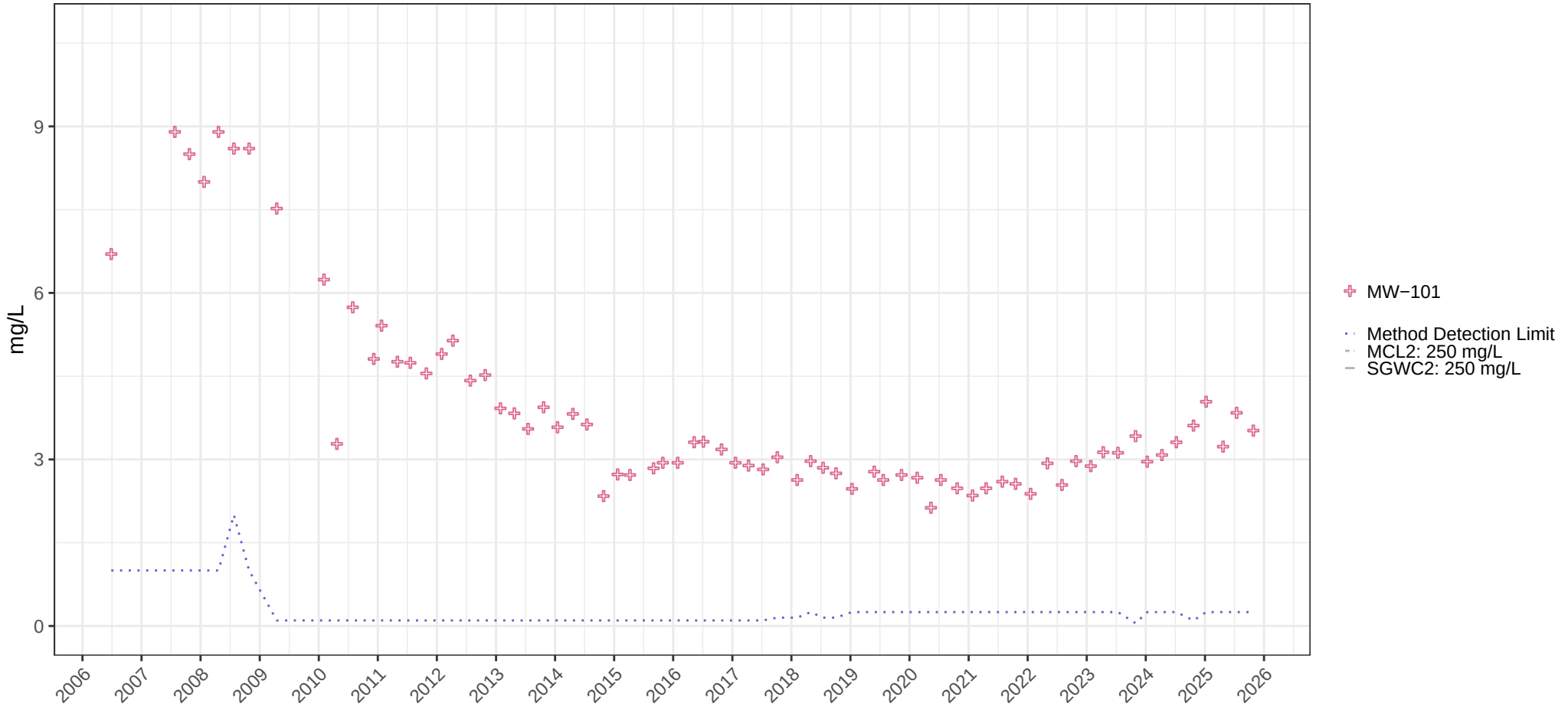
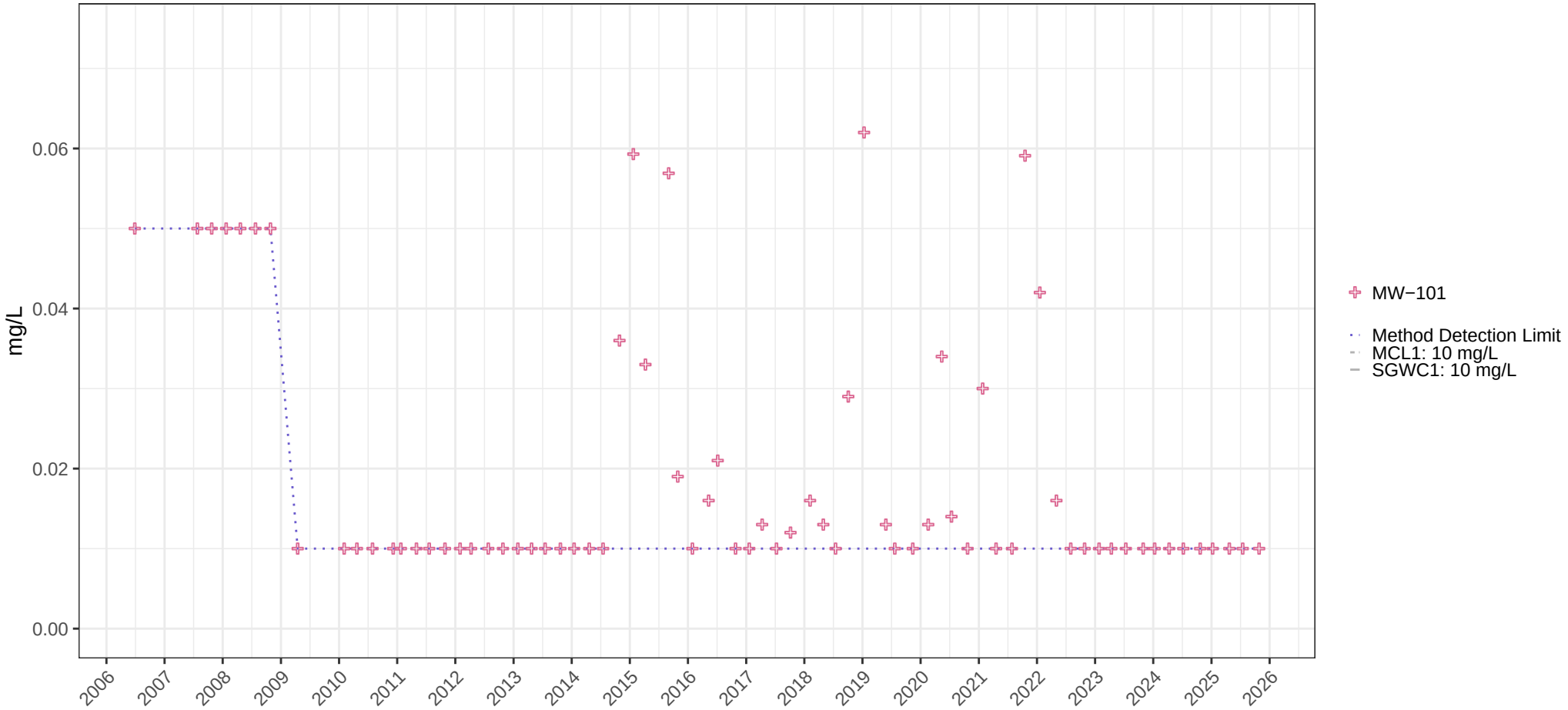


Figure B−57A
SSWA Perched Zone
Chloride



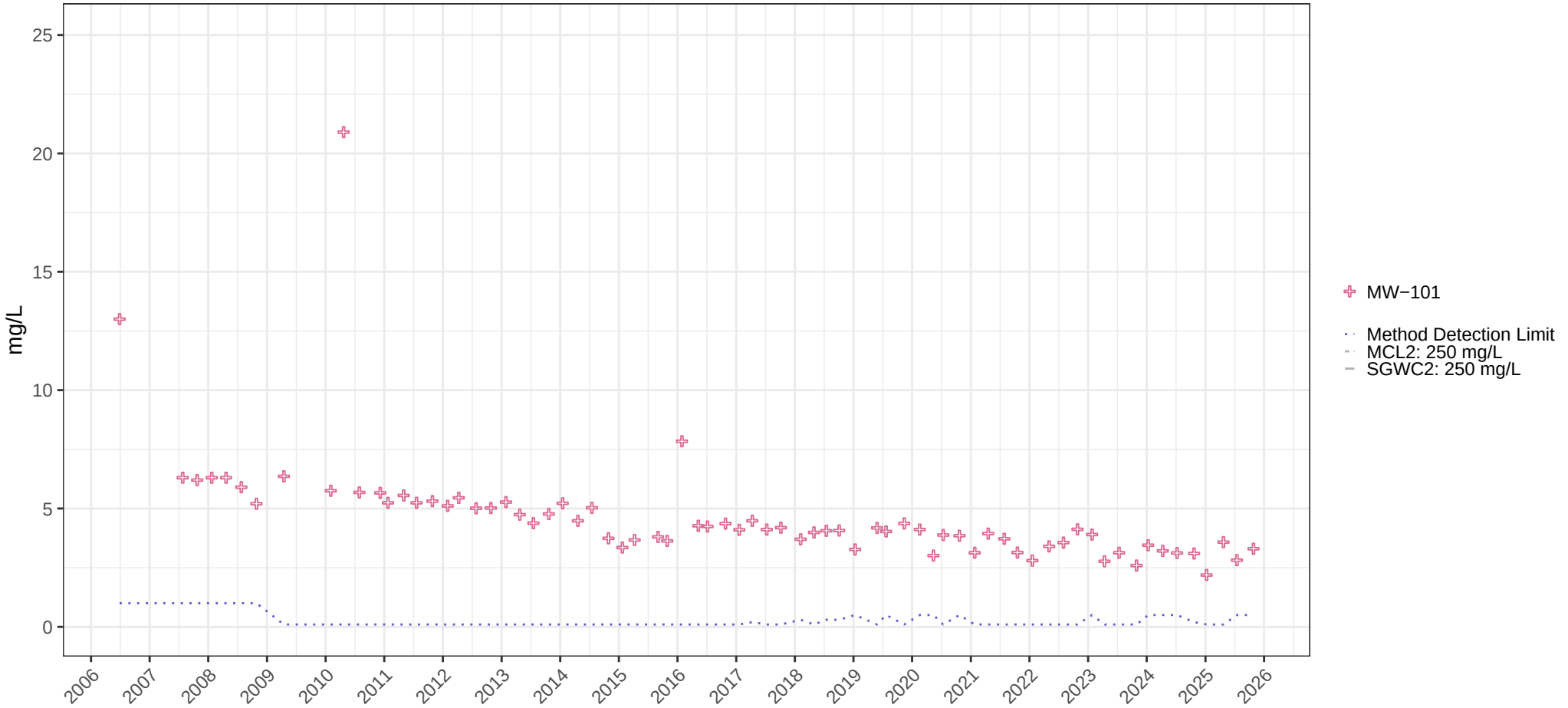
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−58A
SSWA Perched Zone
Nitrate



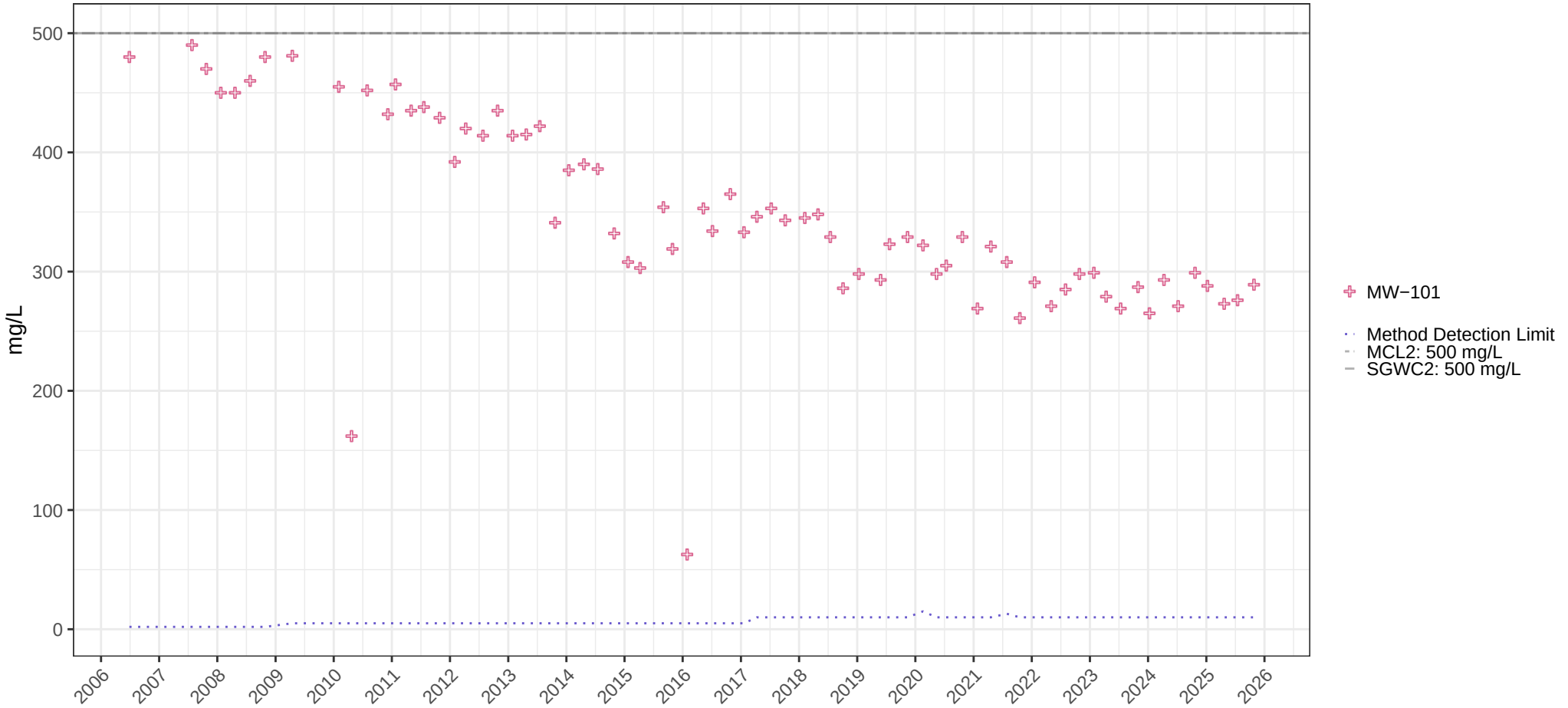
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−59A
SSWA Perched Zone
Sulfate



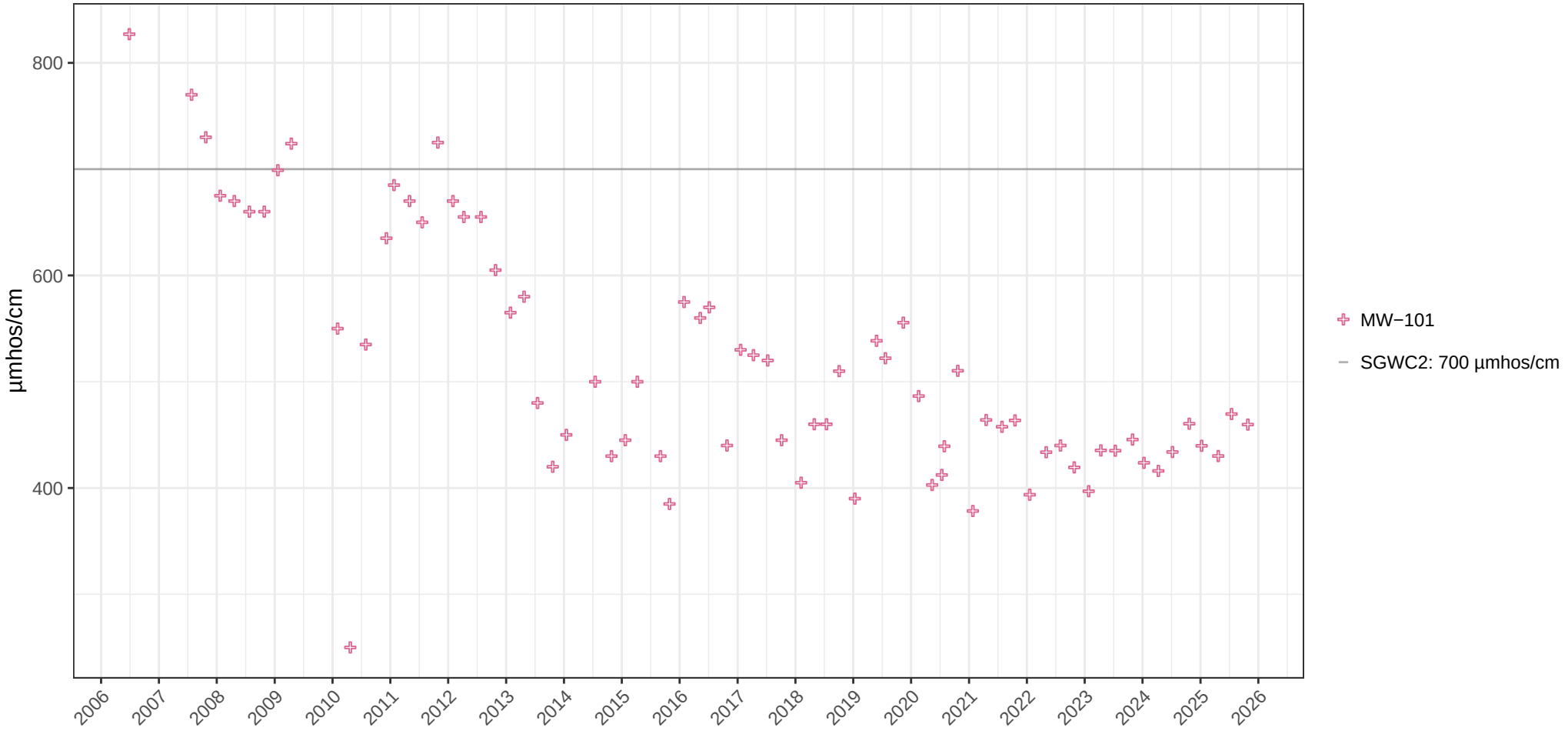
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−60A
SSWA Perched Zone
Total Dissolved Solids



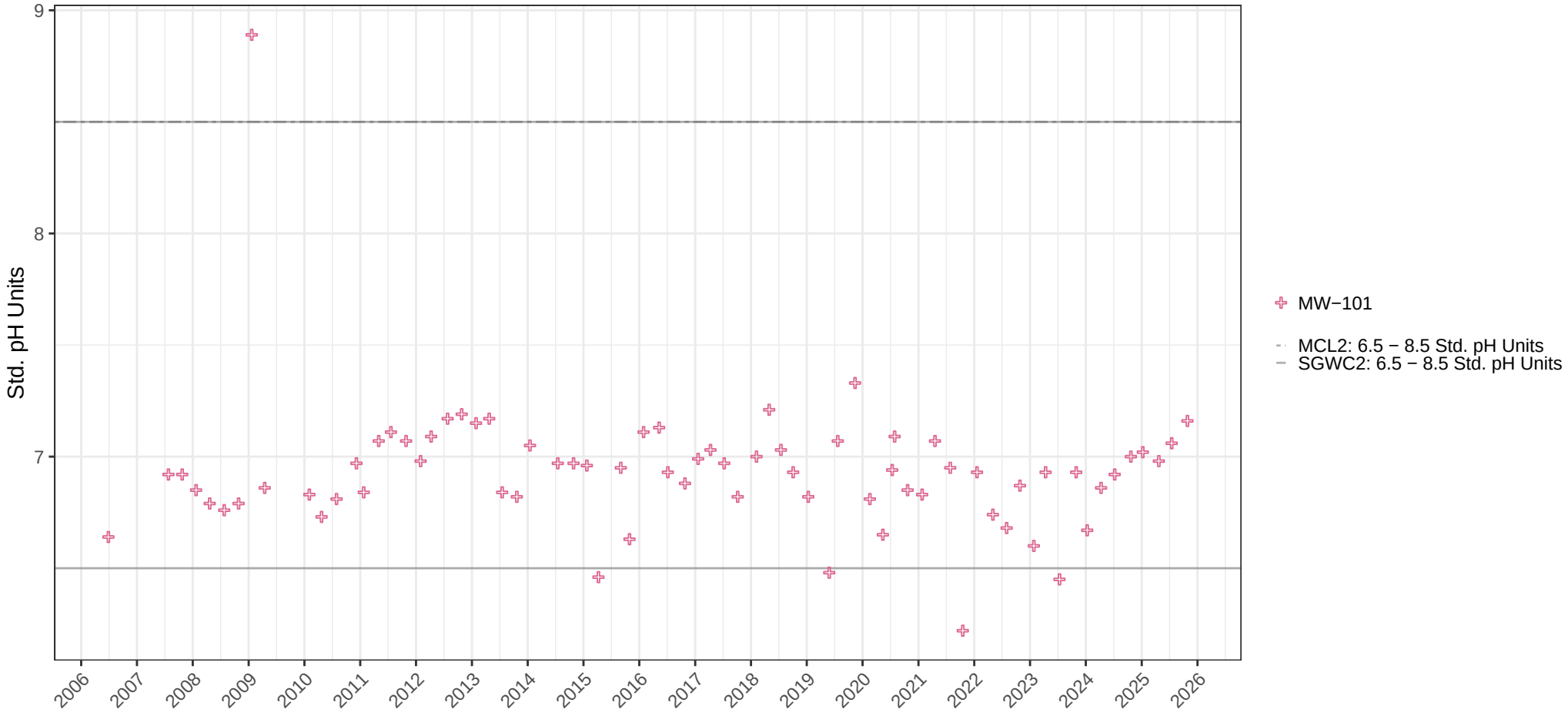
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−61A
SSWA Perched Zone
Specific Conductivity, Field



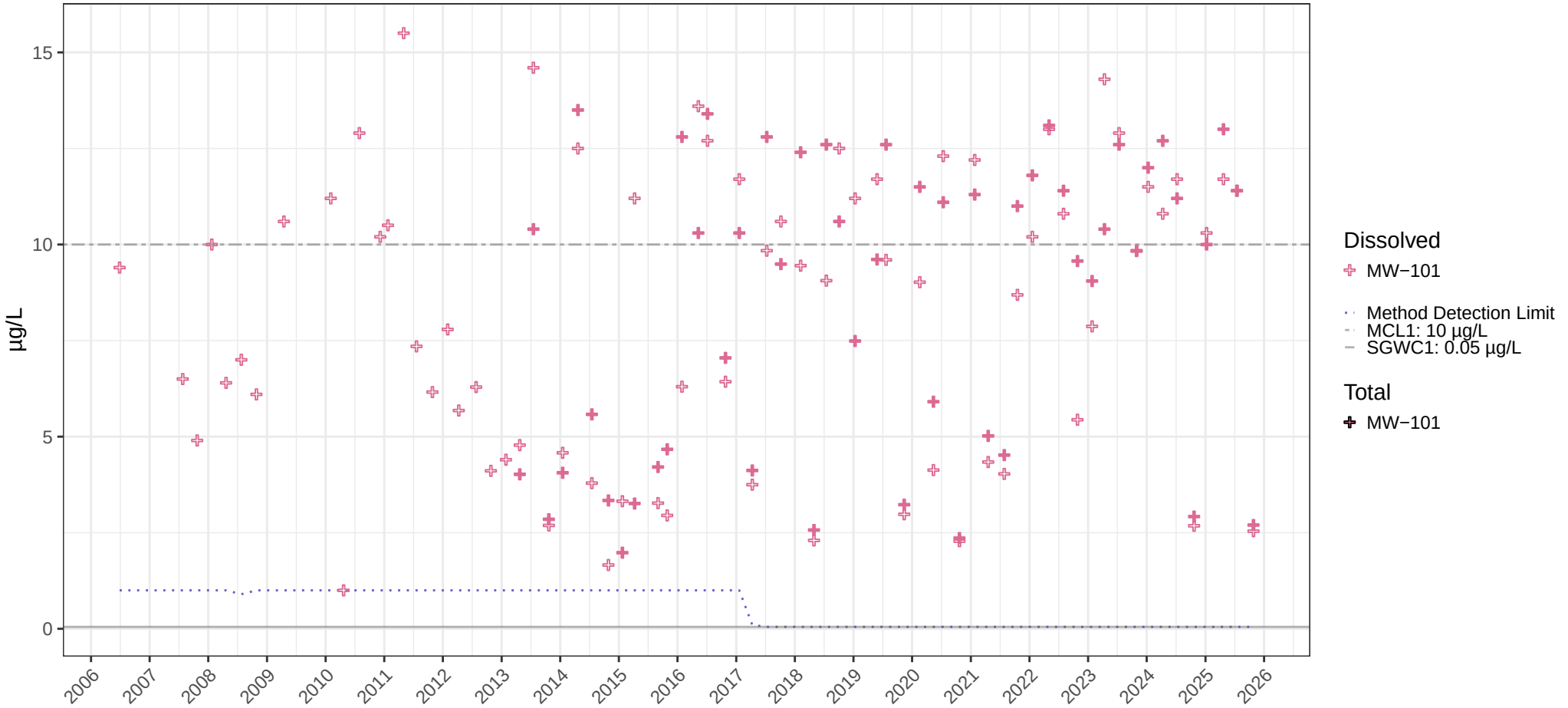
SGWC2: Washington State Secondary Groundwater Quality Criteria

Figure B−62A
SSWA Perched Zone
pH, Field



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−63A
SSWA Perched Zone
Arsenic



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−64A
SSWA Perched Zone
Calcium

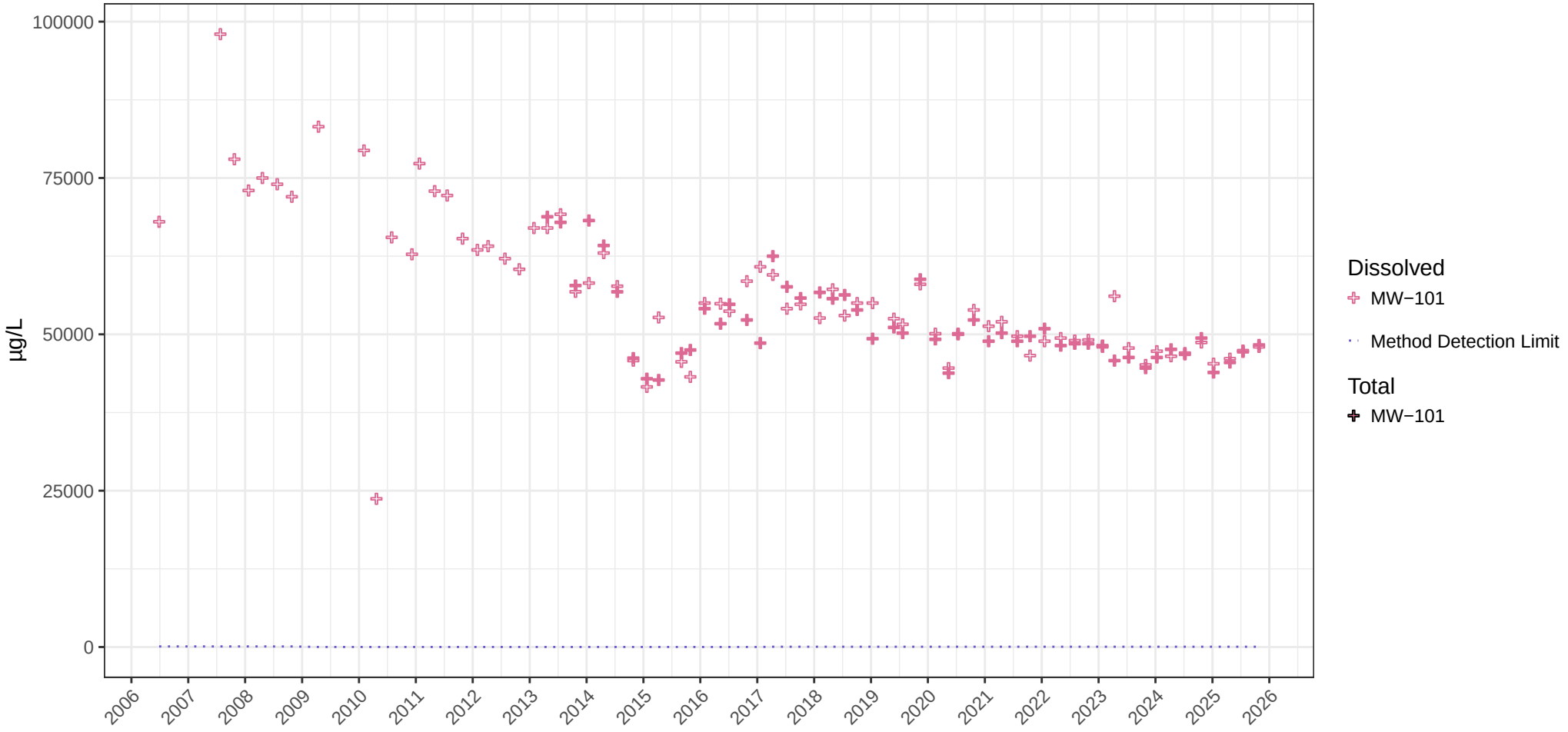
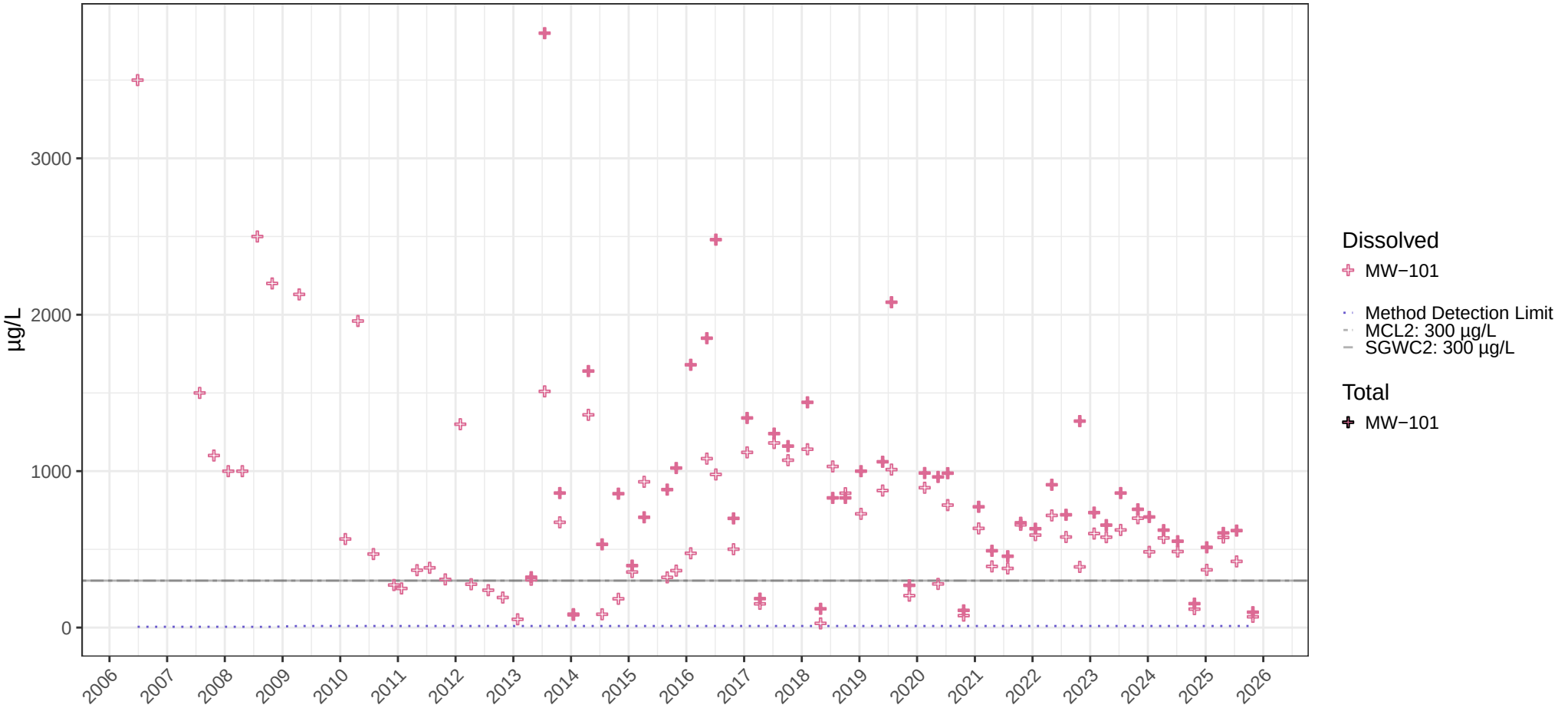


Figure B−65A
SSWA Perched Zone
Iron



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−66A
SSWA Perched Zone
Magnesium

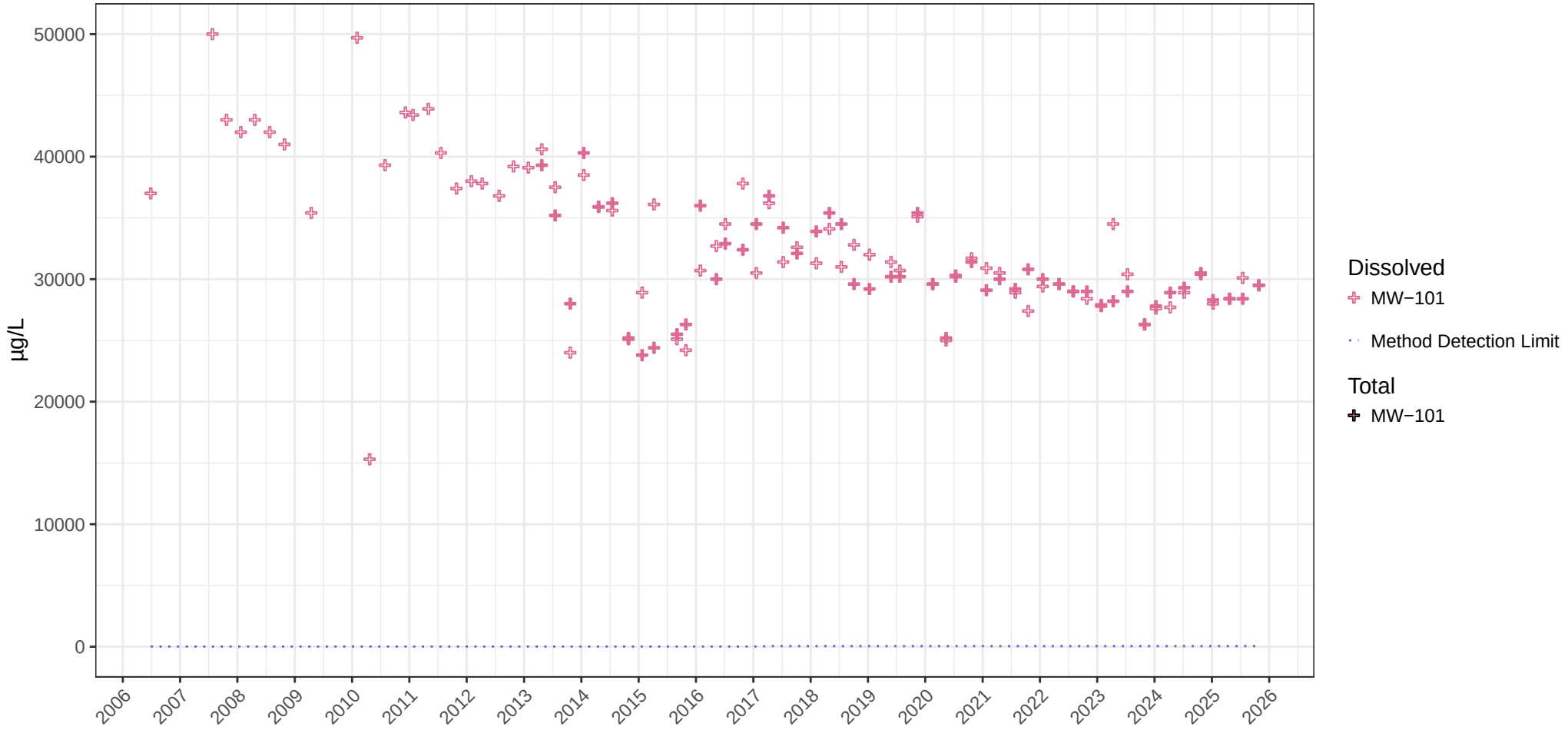
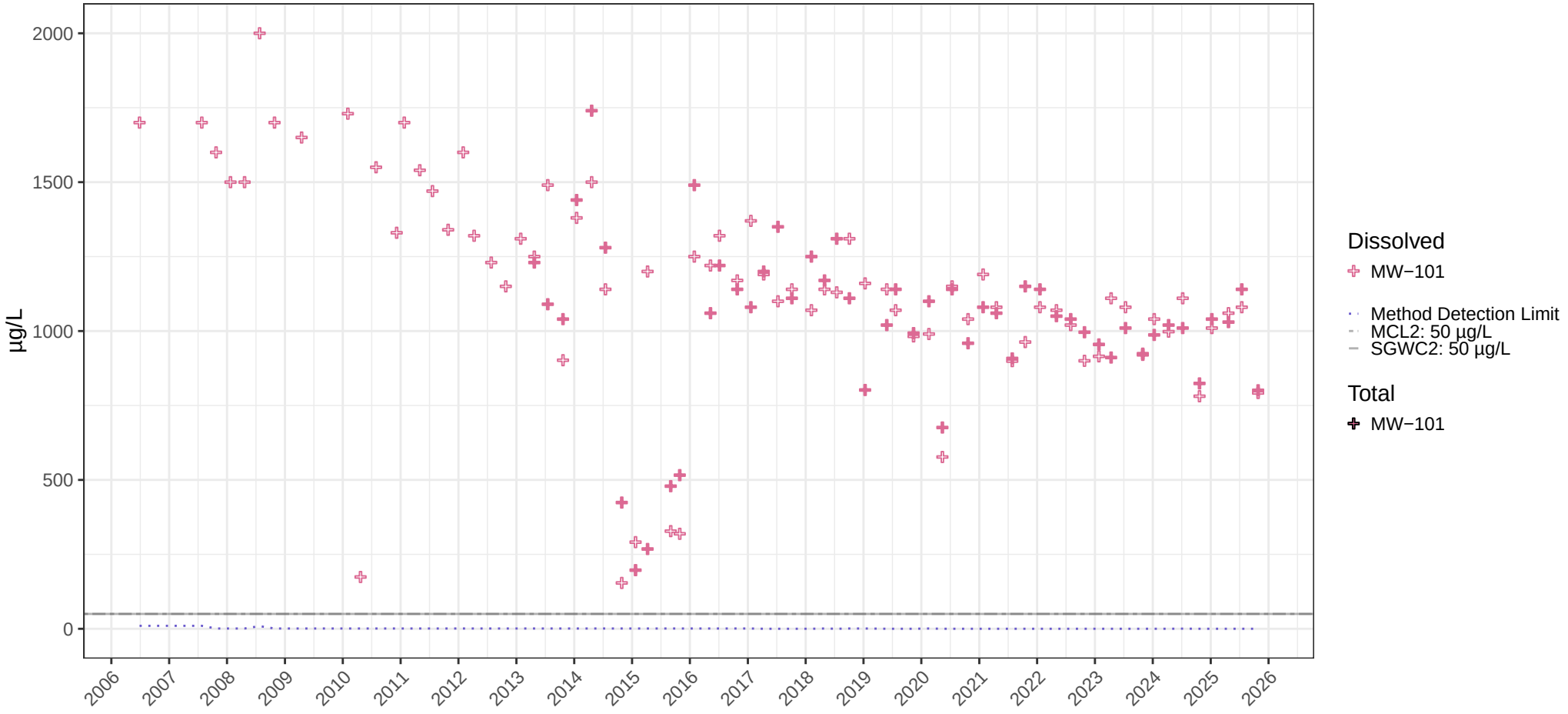


Figure B−67A
SSWA Perched Zone
Manganese



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−68A
SSWA Perched Zone
Potassium

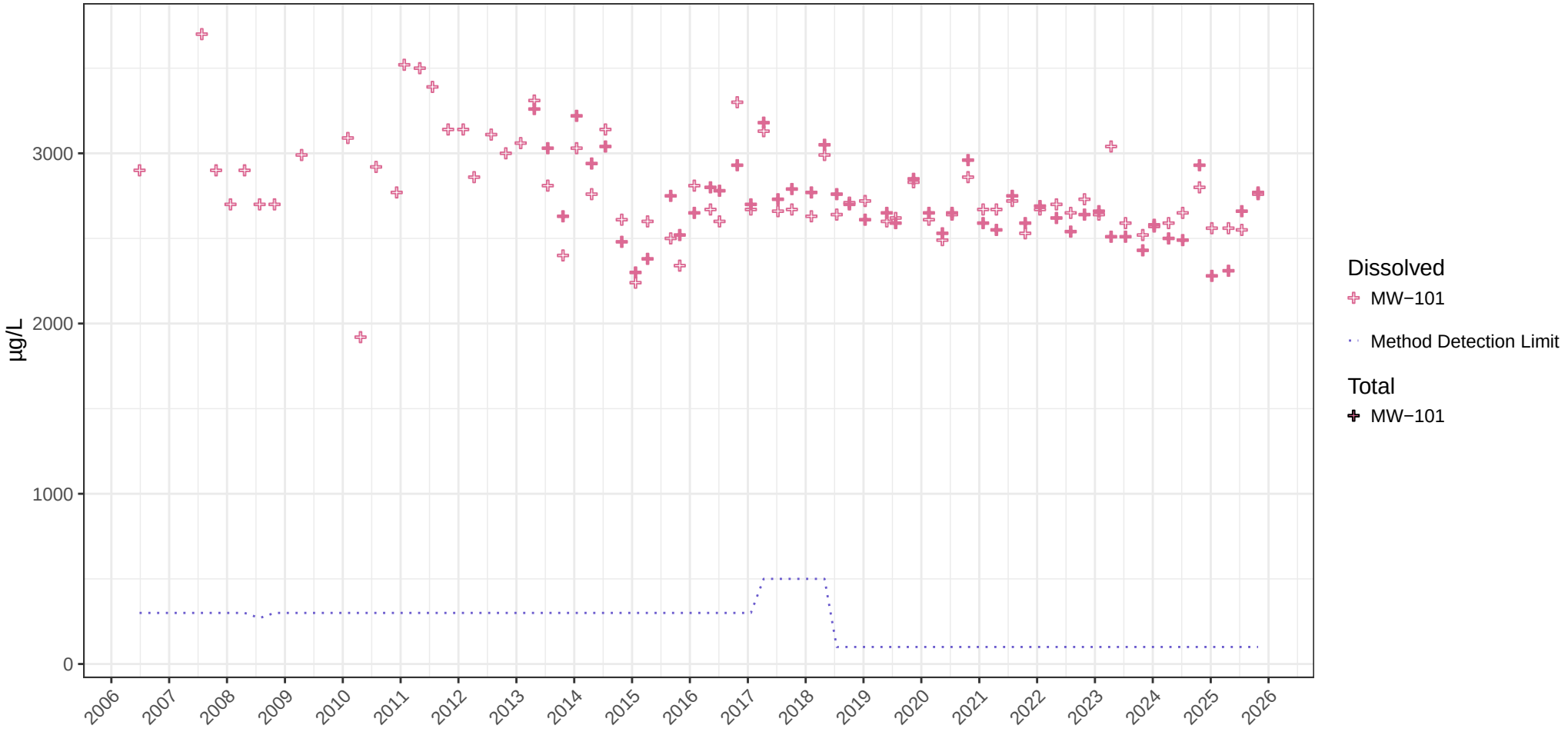
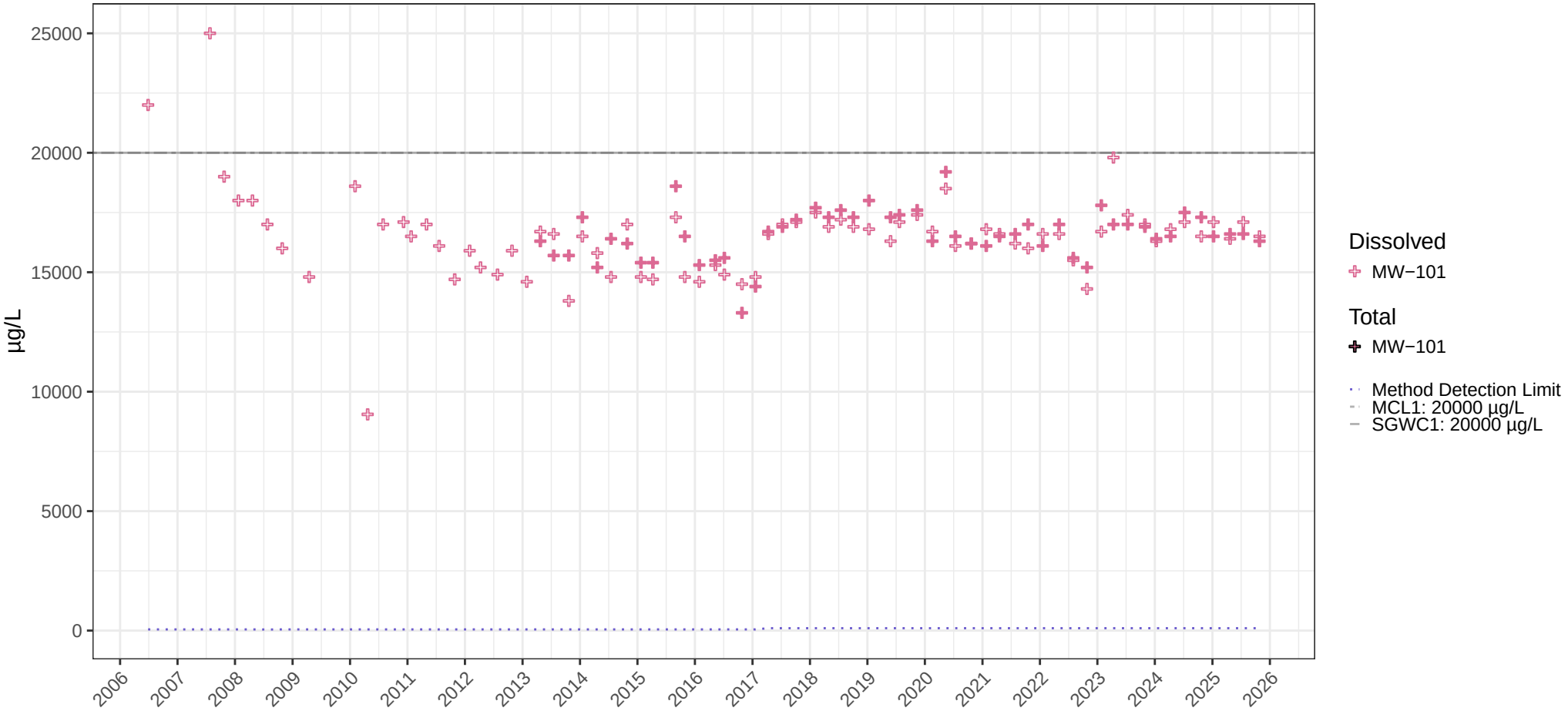
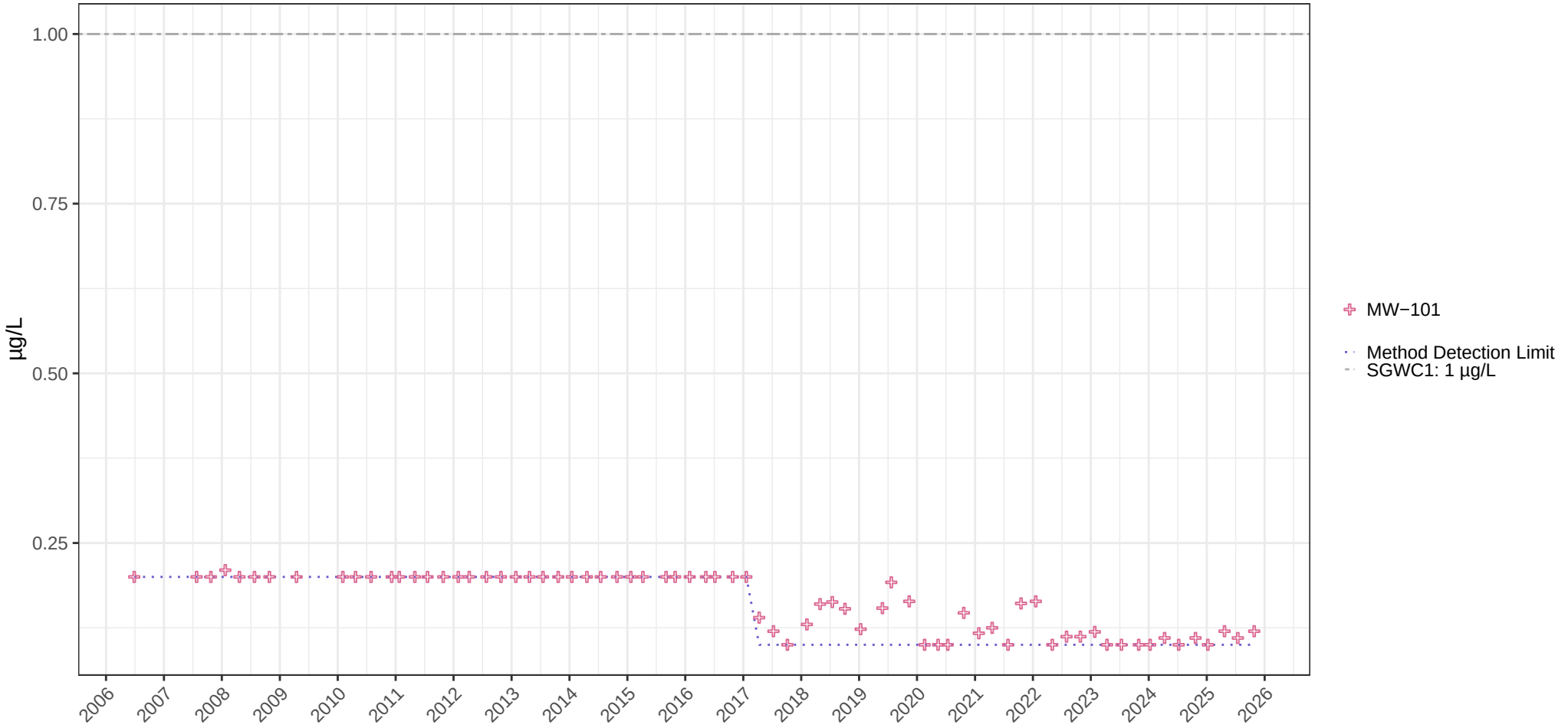


Figure B−69A
SSWA Perched Zone
Sodium



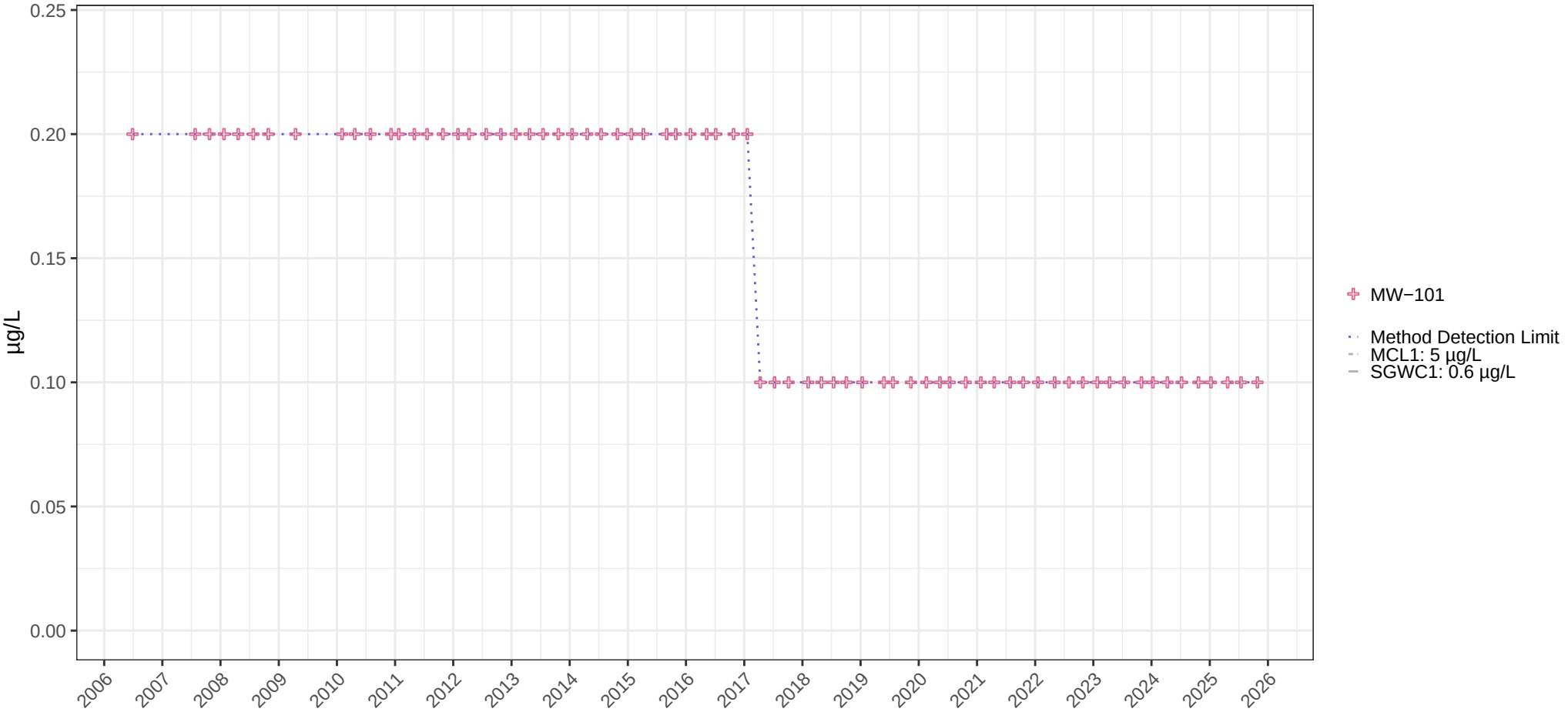
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−70A
SSWA Perched Zone
1,1−Dichloroethane



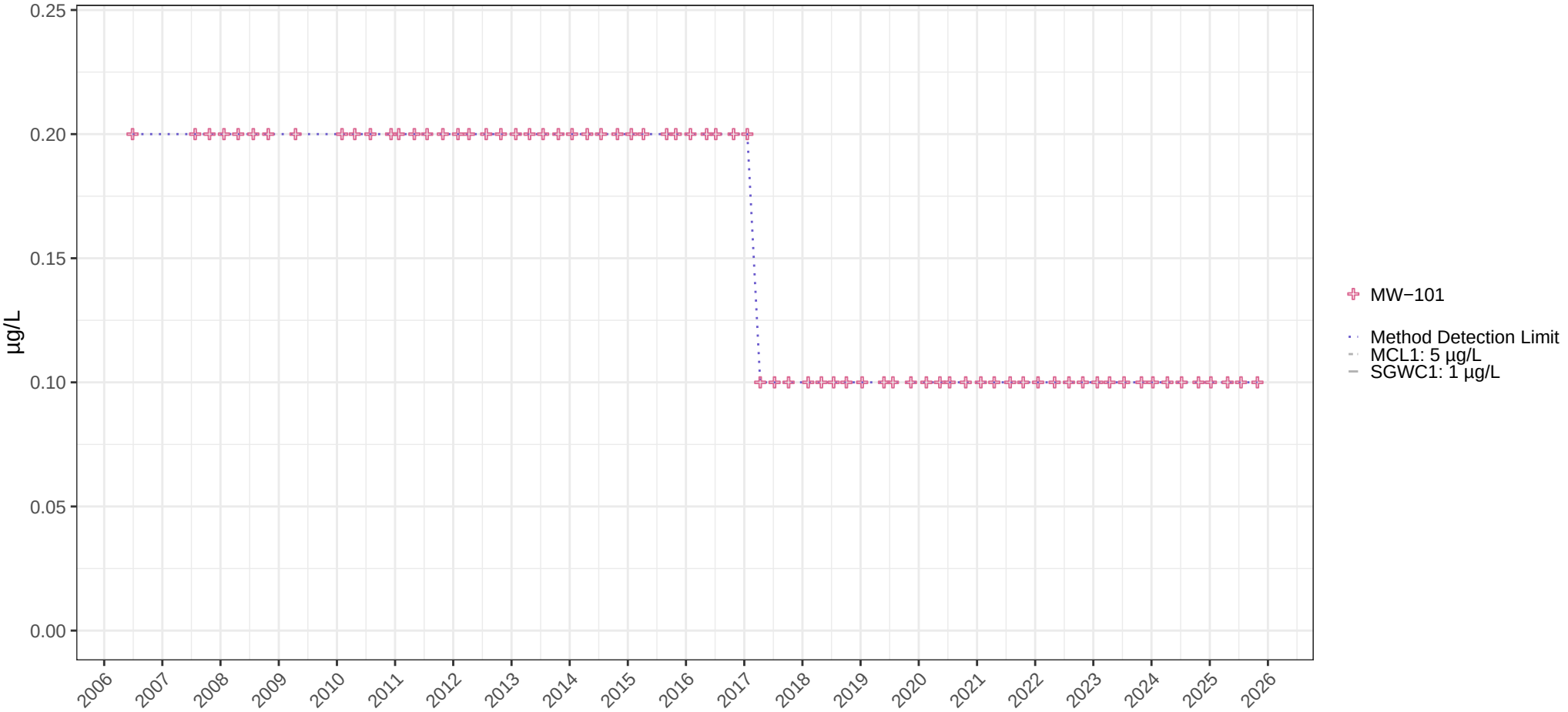
SGWC1: Washington State Primary Groundwater Quality Criteria

Figure B−71A
SSWA Perched Zone
1,2−Dichloropropane



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−72A
SSWA Perched Zone
Benzene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−73A
SSWA Perched Zone
Chloroethane

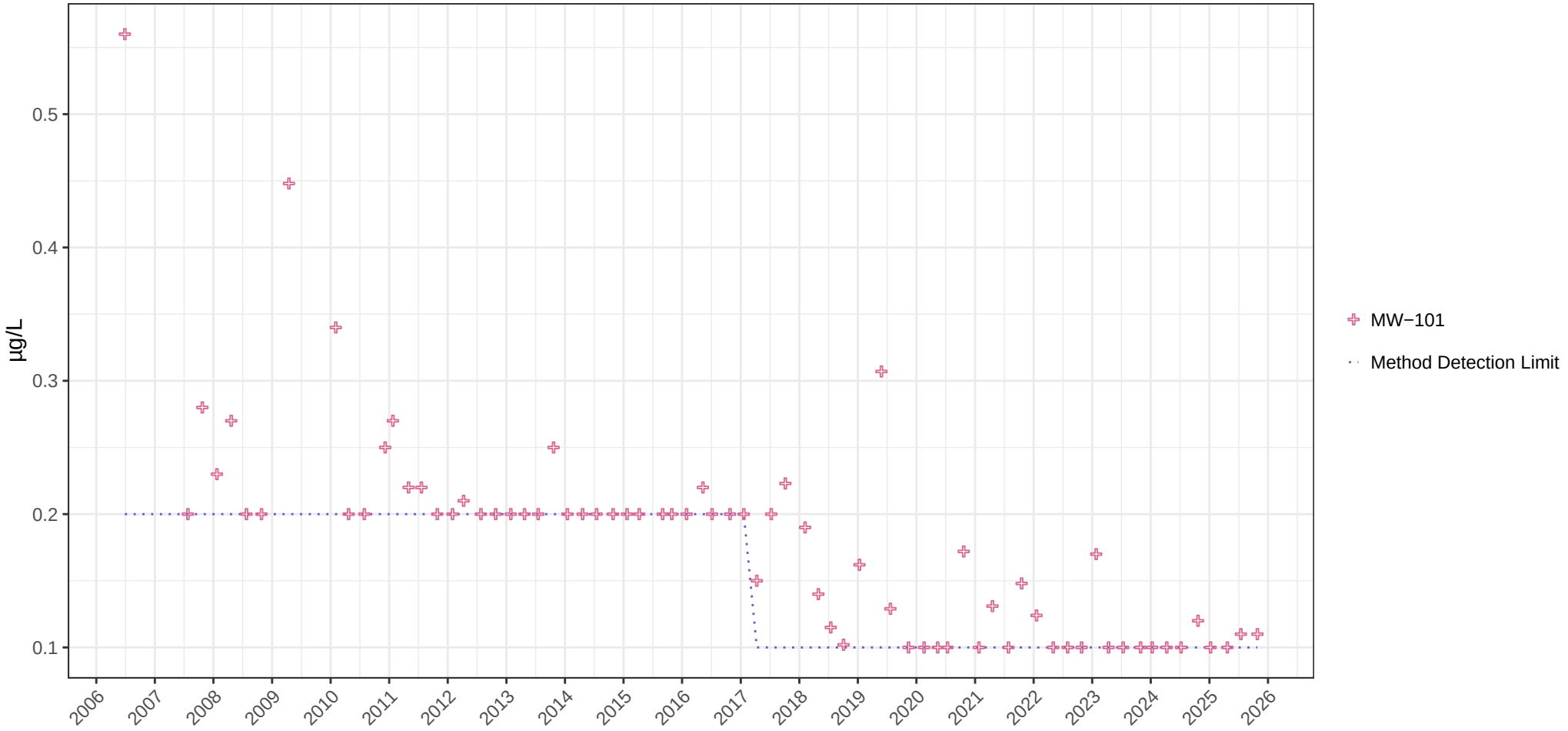
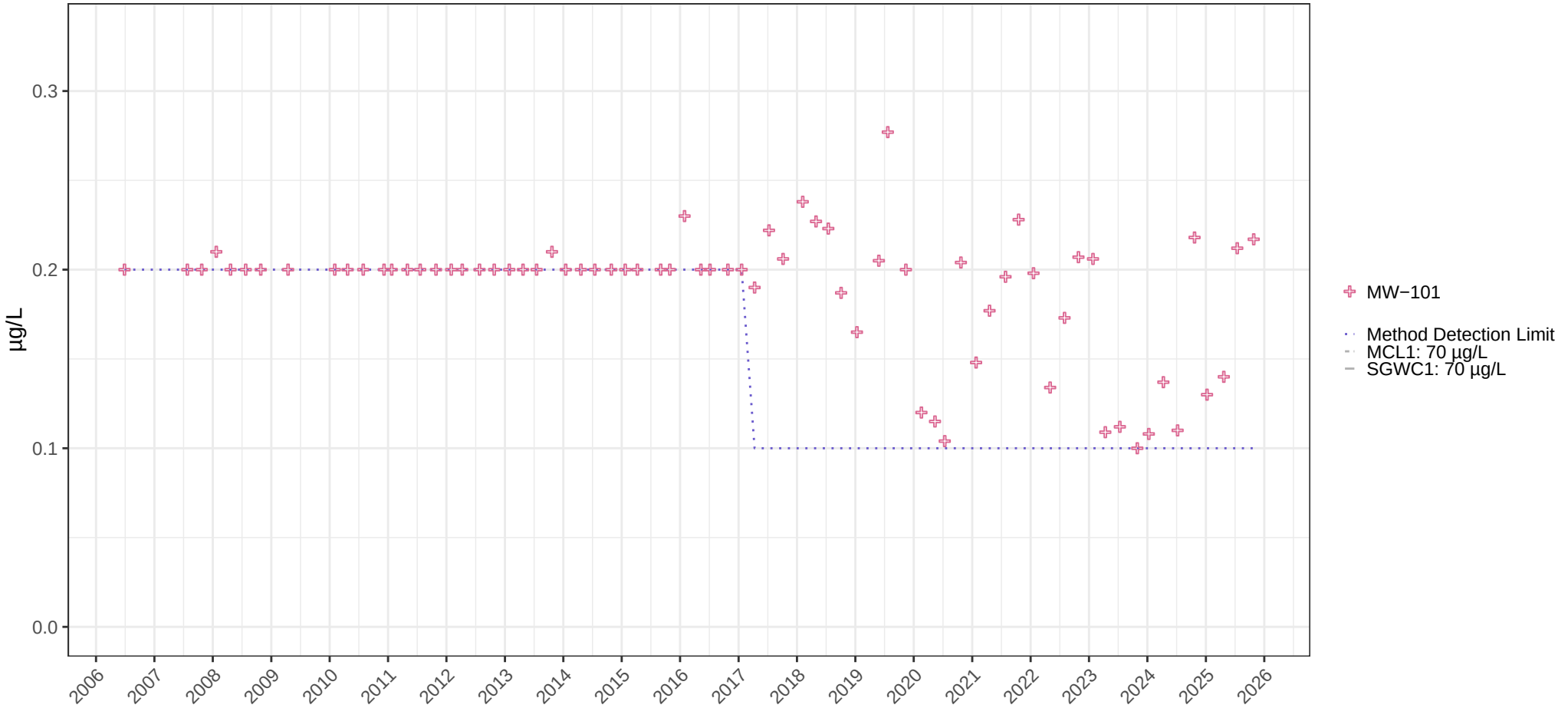


Figure B−74A
SSWA Perched Zone
Cis−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−75A
SSWA Perched Zone
Dichlorodifluoromethane

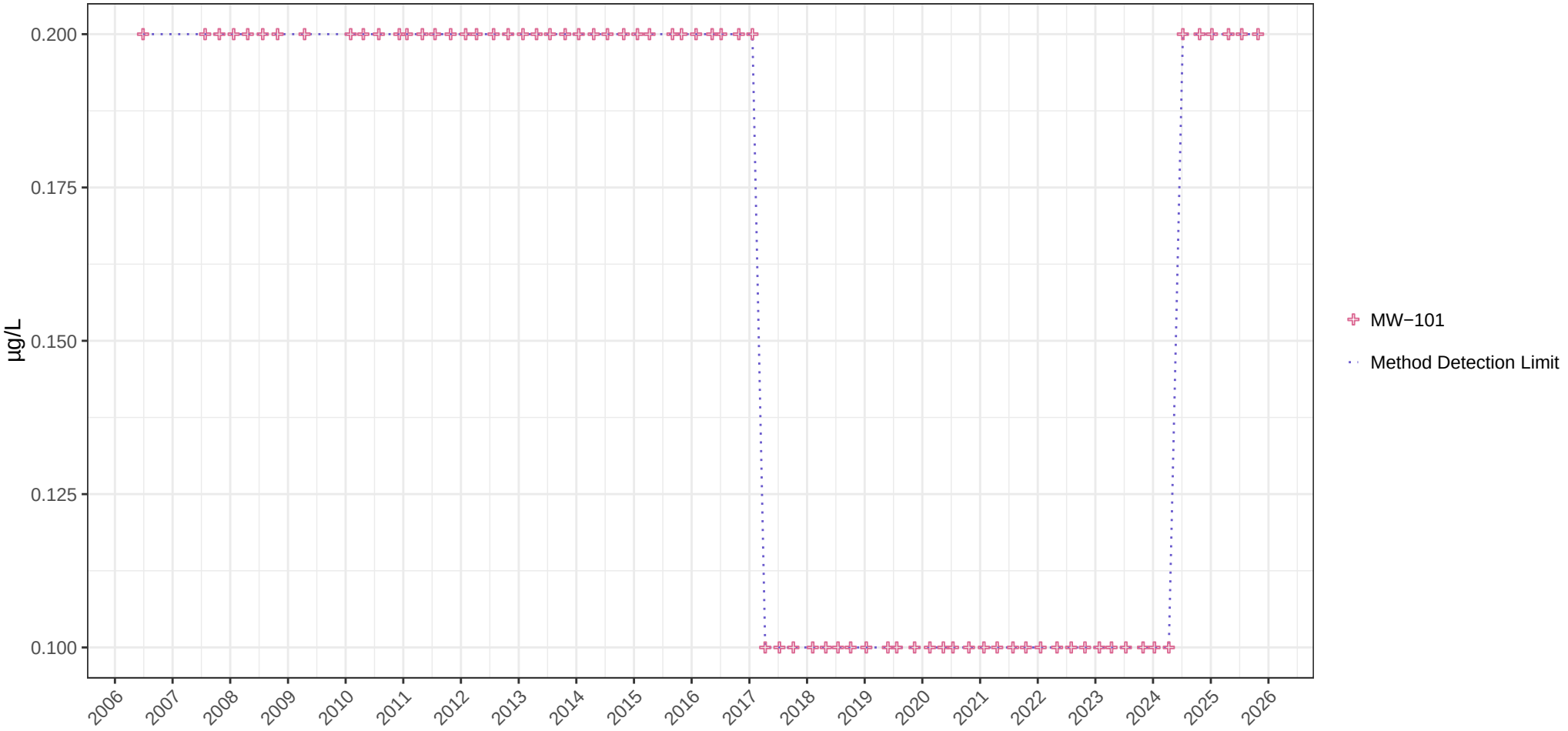
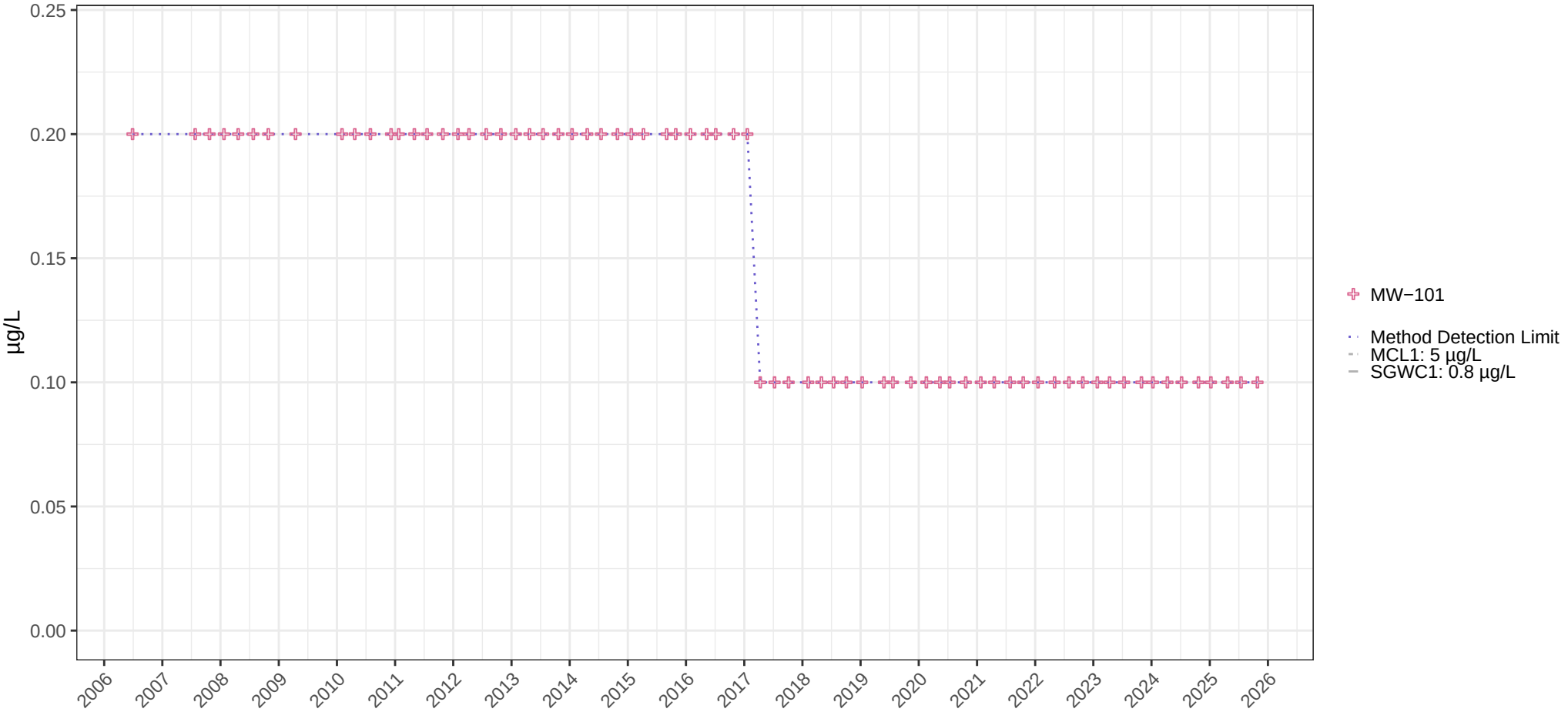
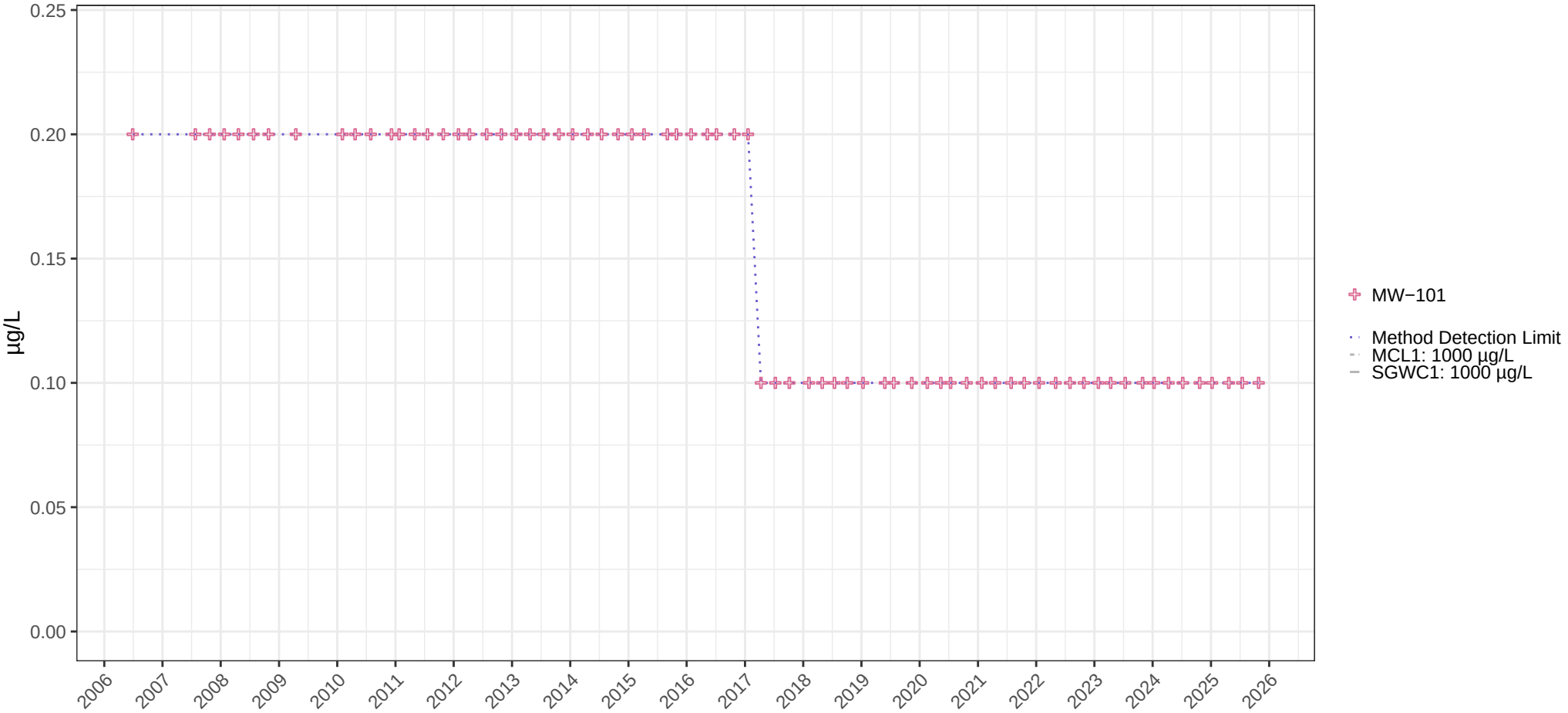


Figure B−76A
SSWA Perched Zone
Tetrachloroethene



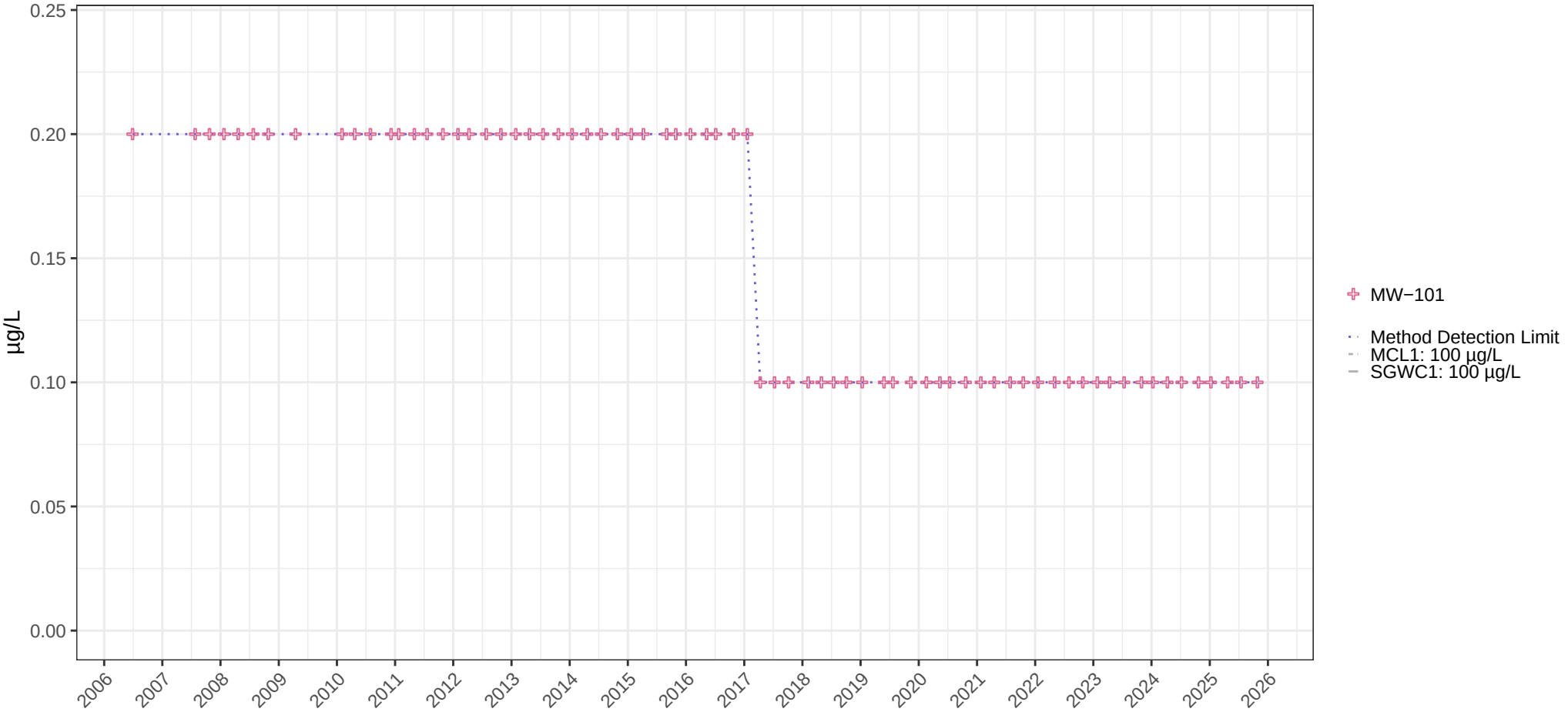
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−77A
SSWA Perched Zone
Toluene



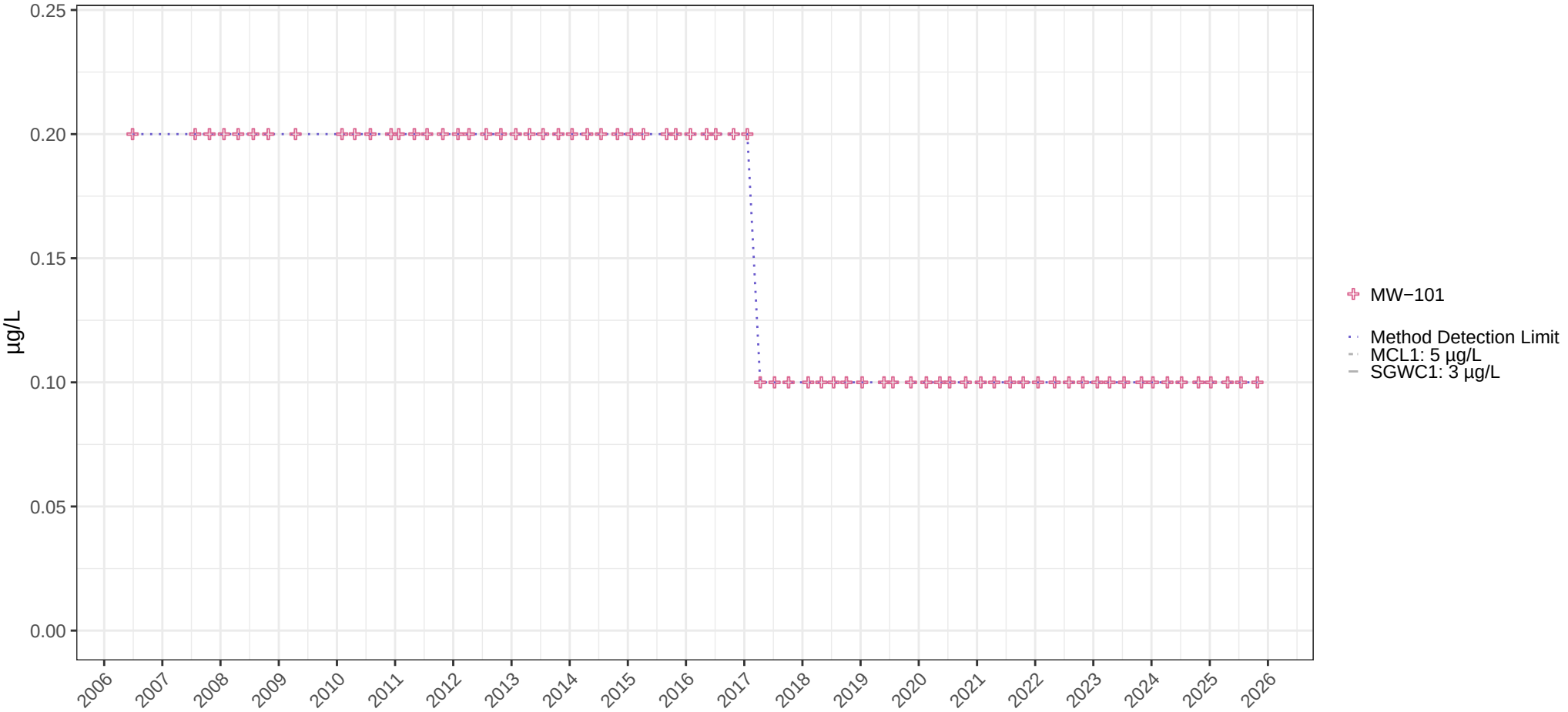
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−78A
SSWA Perched Zone
Trans−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−79A
SSWA Perched Zone
Trichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−80A
SSWA Perched Zone
Trichlorofluoromethane

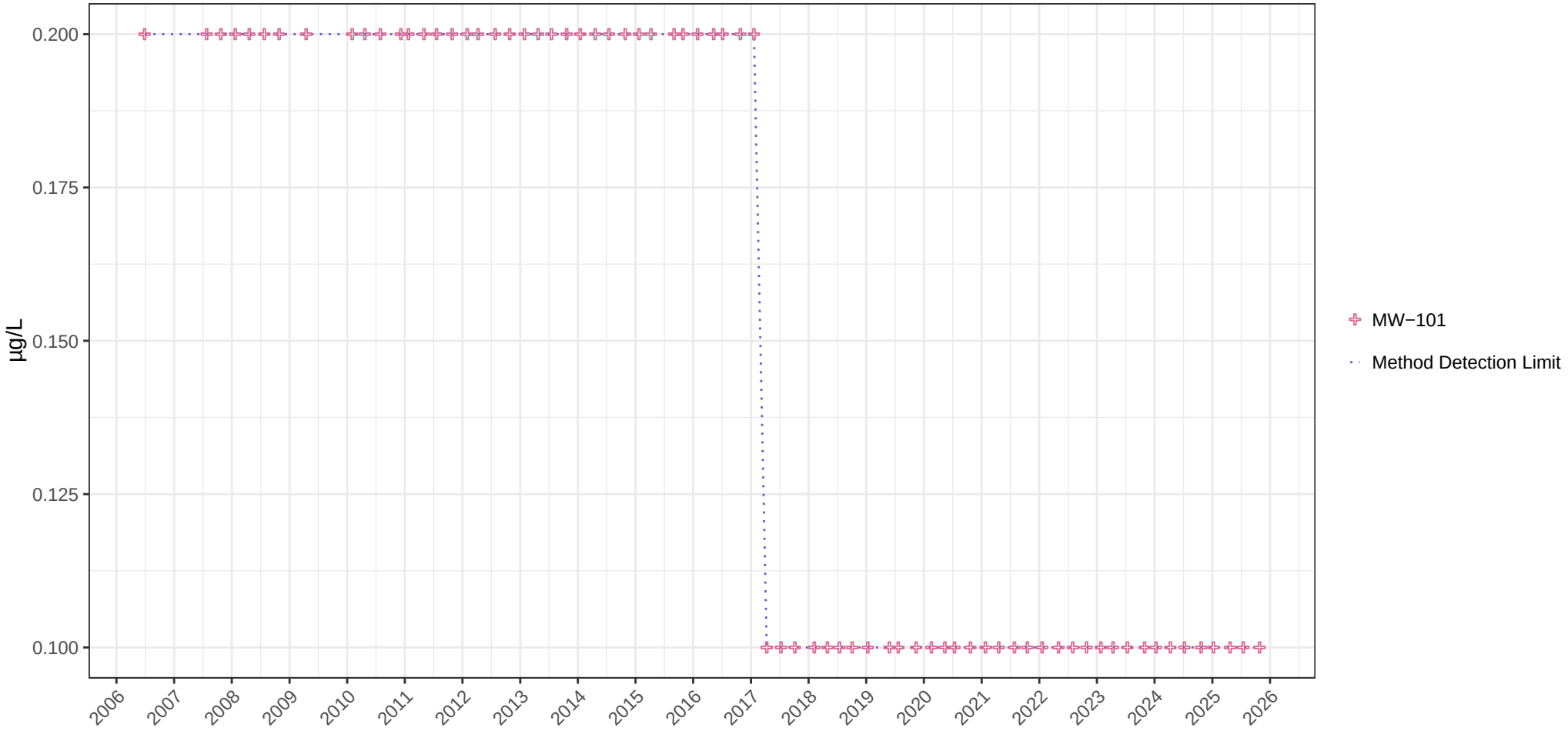
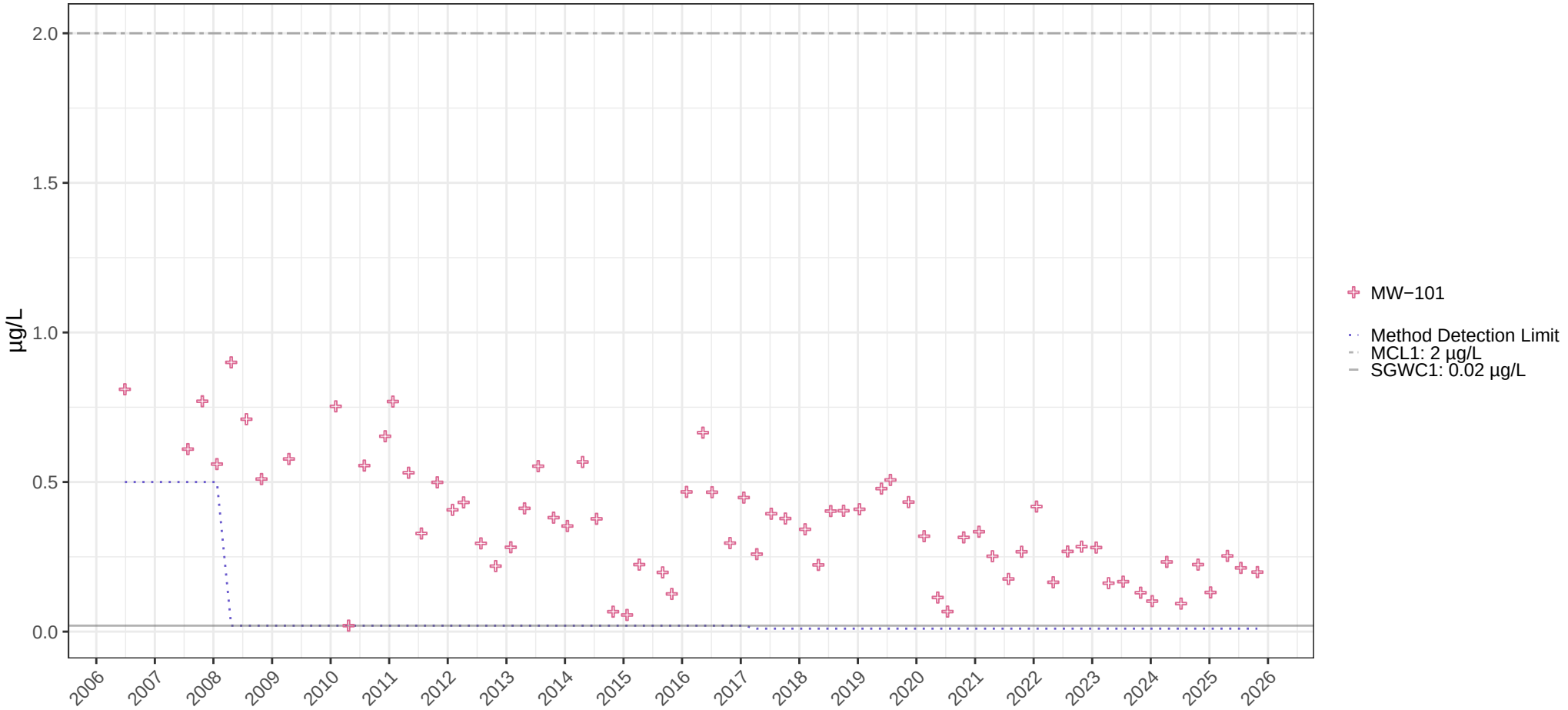


Figure B−81A
SSWA Perched Zone
Vinyl Chloride



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−82B
SSWA Perched Zone
Alkalinity, Total (as CaCO3)

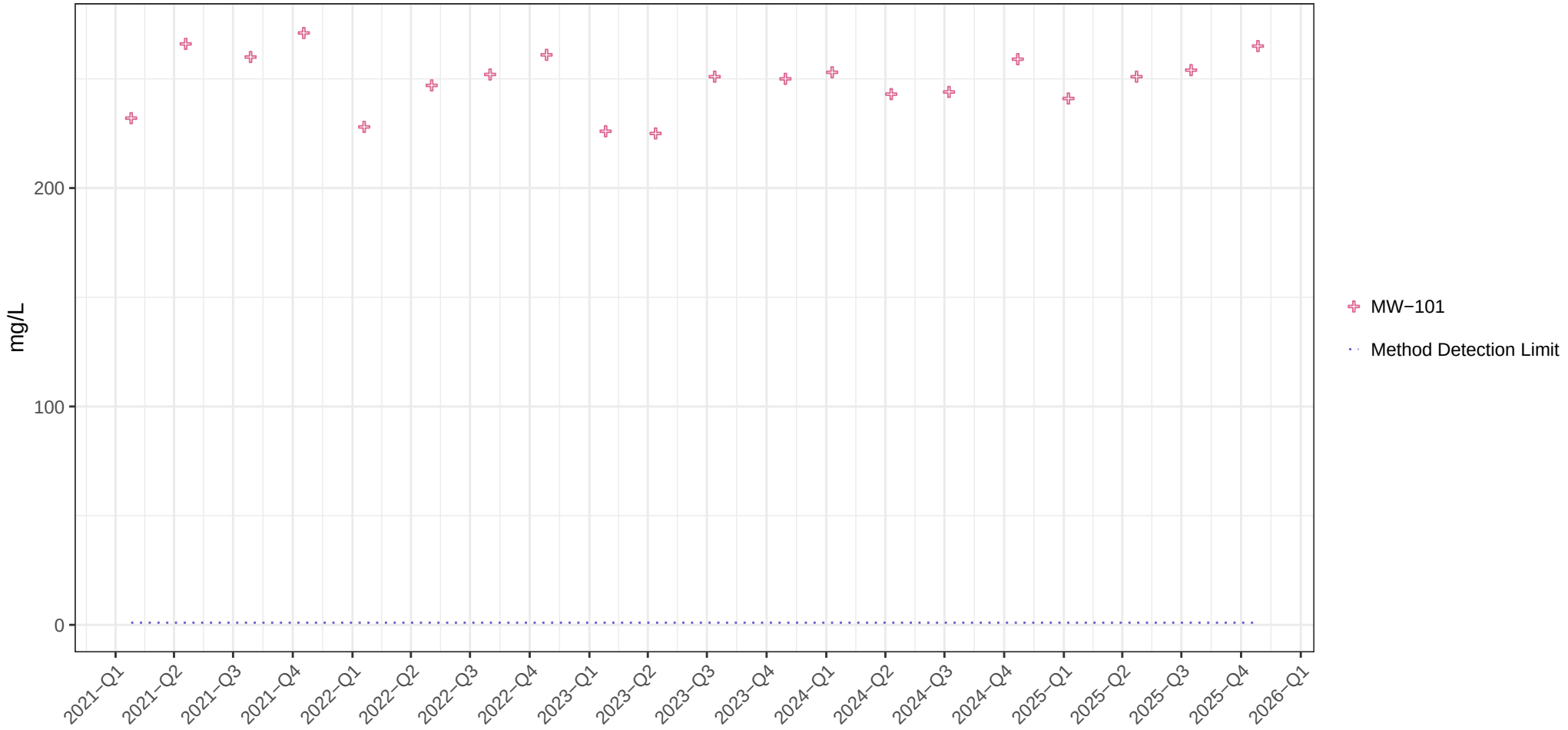


Figure B−83B
SSWA Perched Zone
Ammonia As N

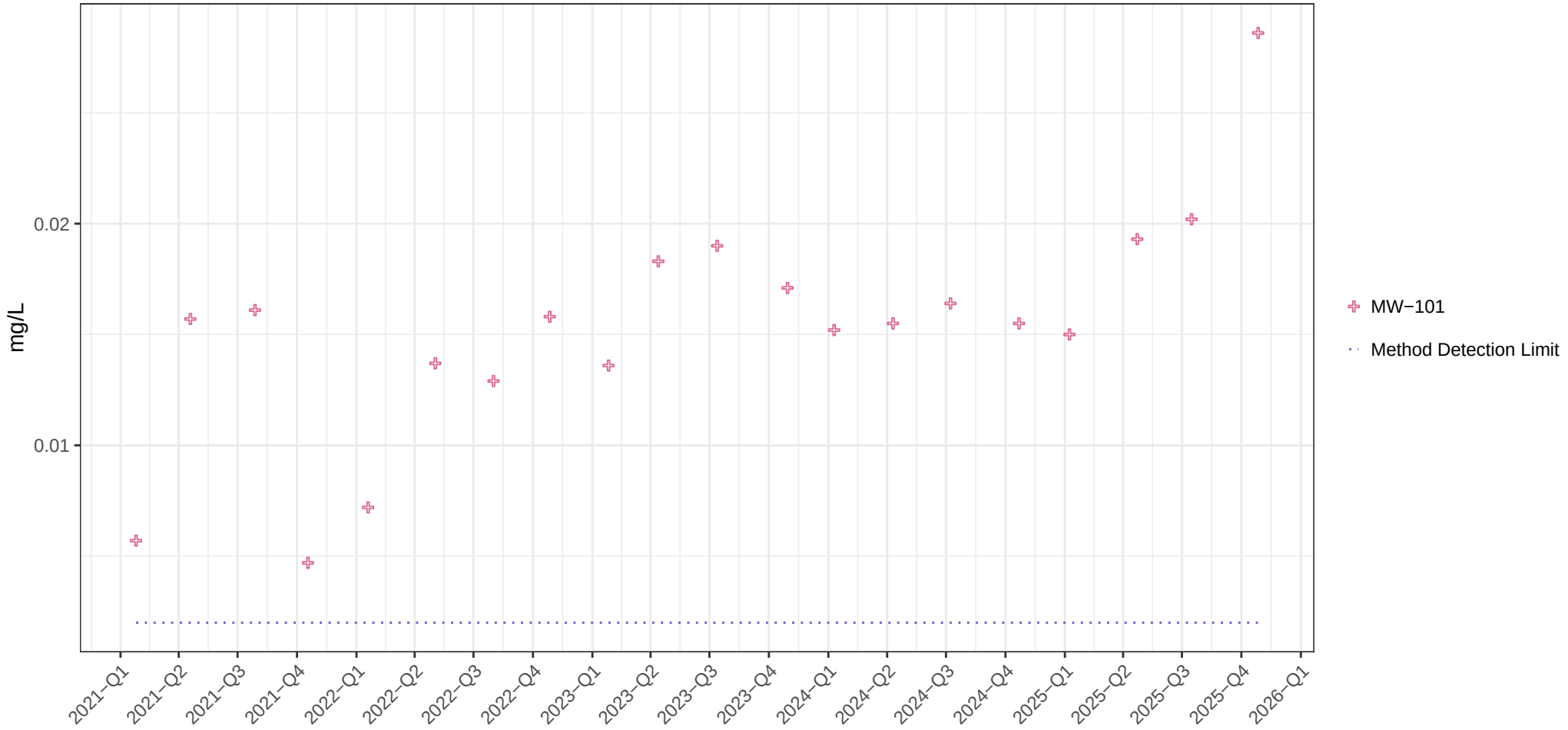
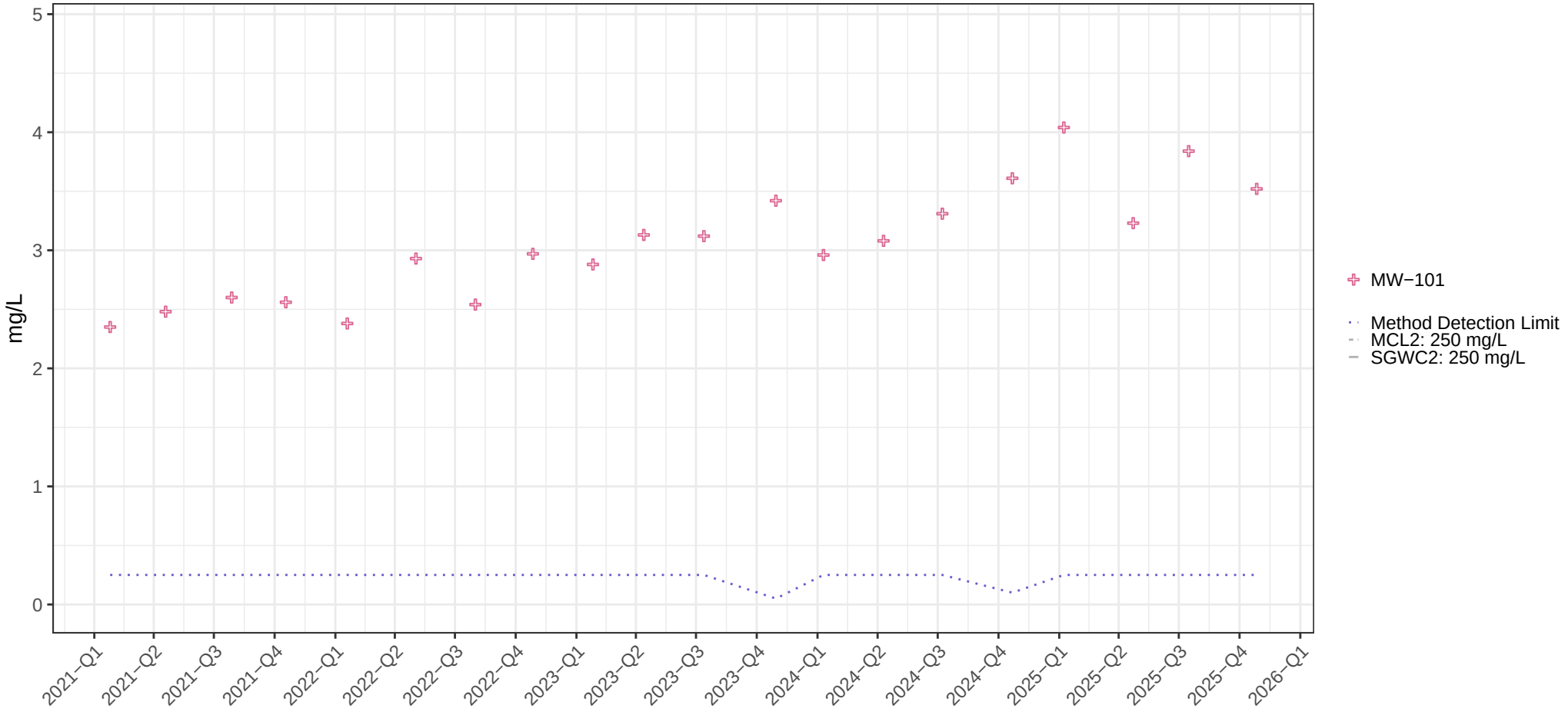
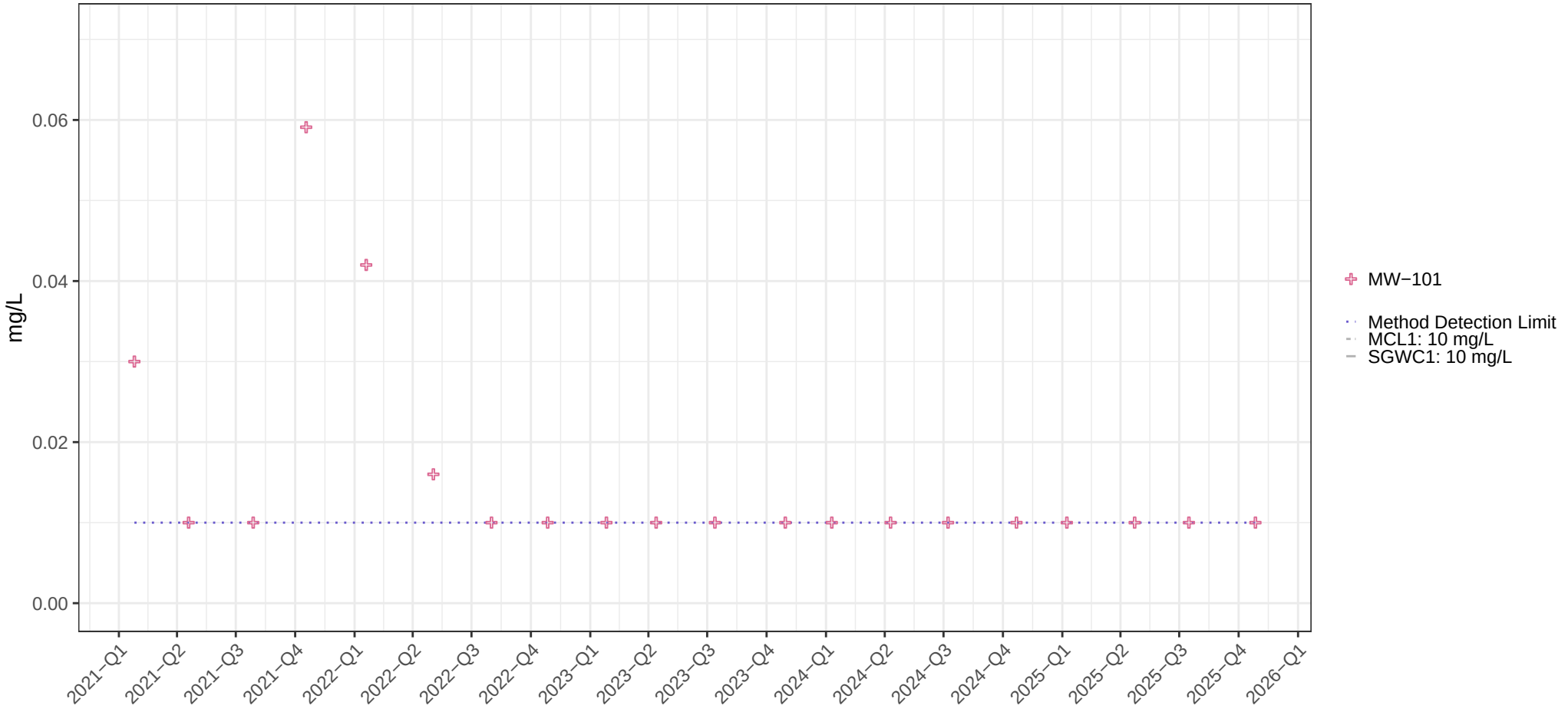


Figure B−84B
SSWA Perched Zone
Chloride



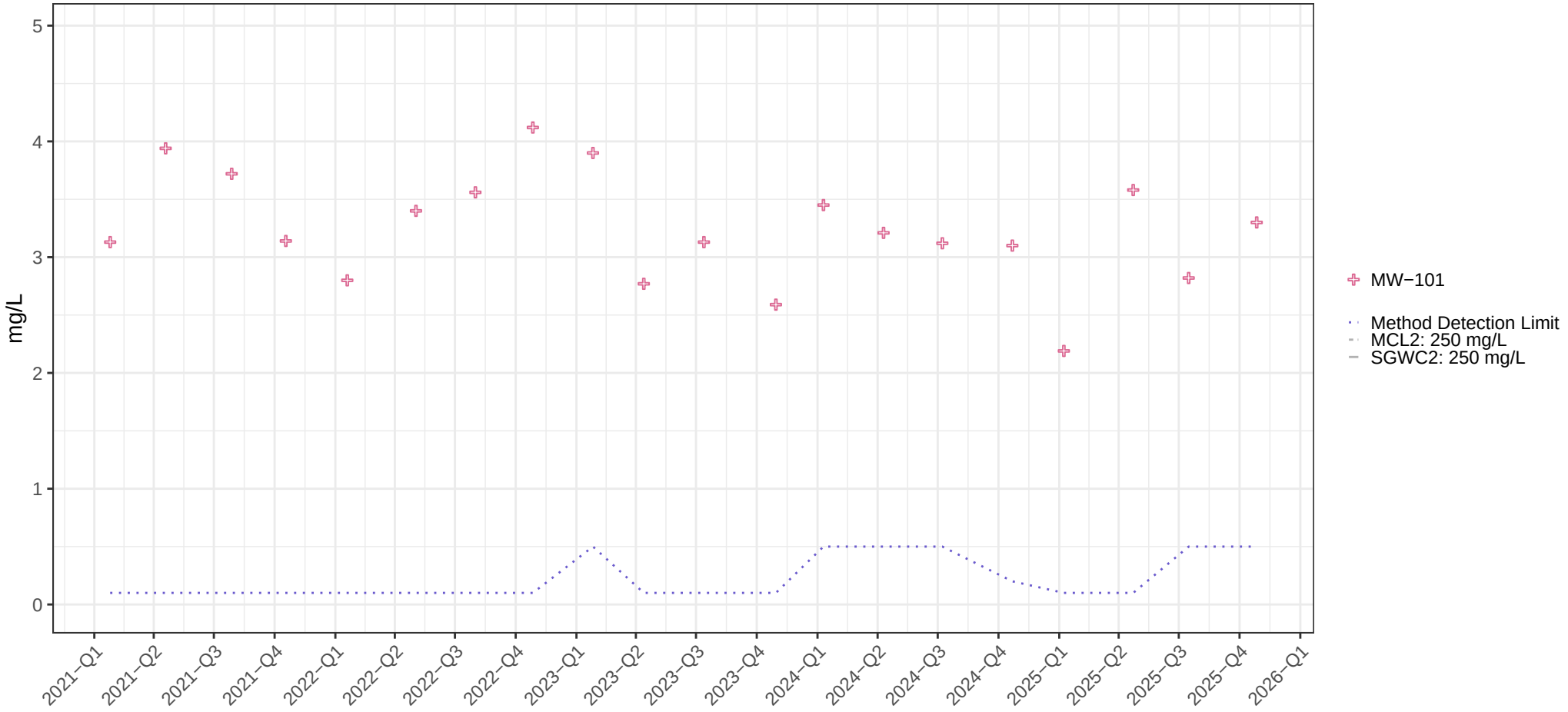
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−85B
SSWA Perched Zone
Nitrate



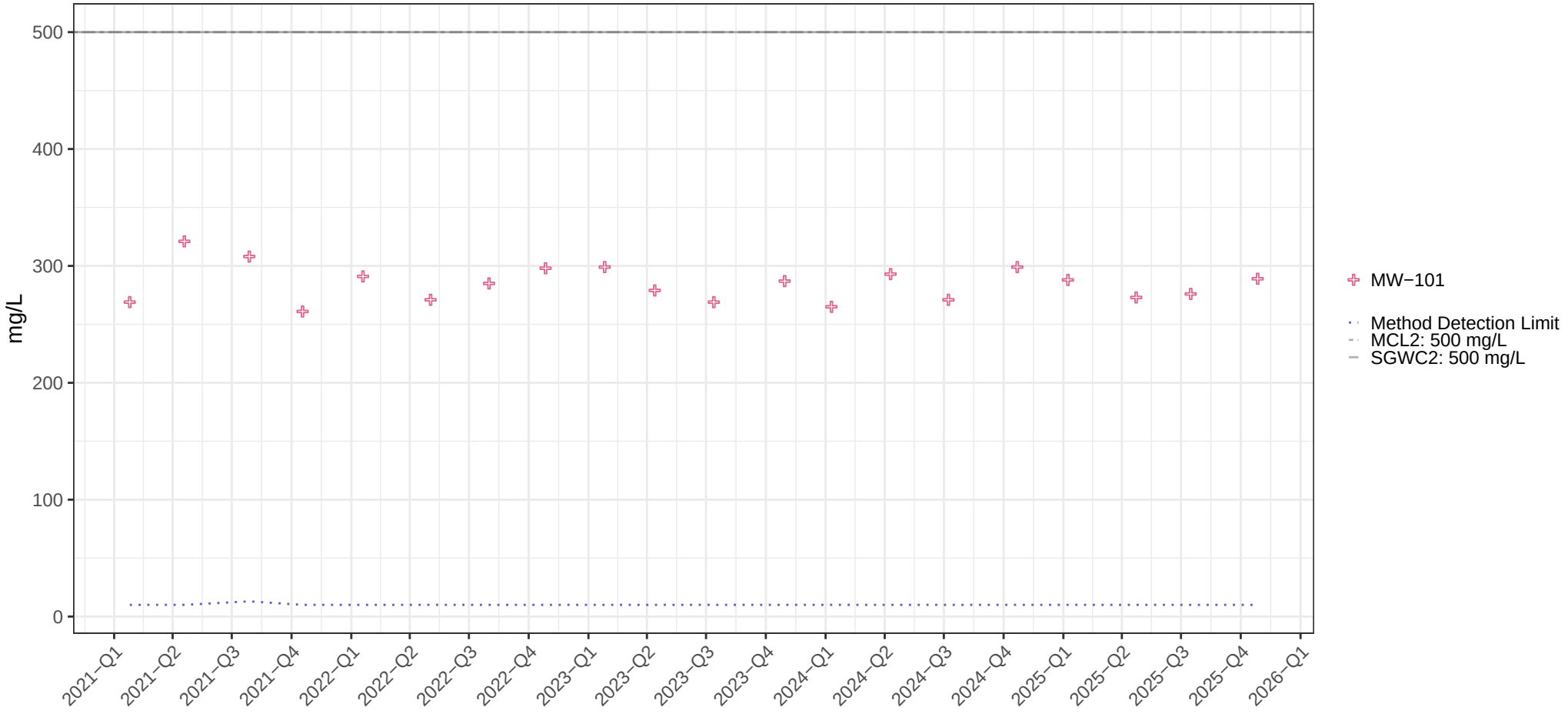
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−86B
SSWA Perched Zone
Sulfate



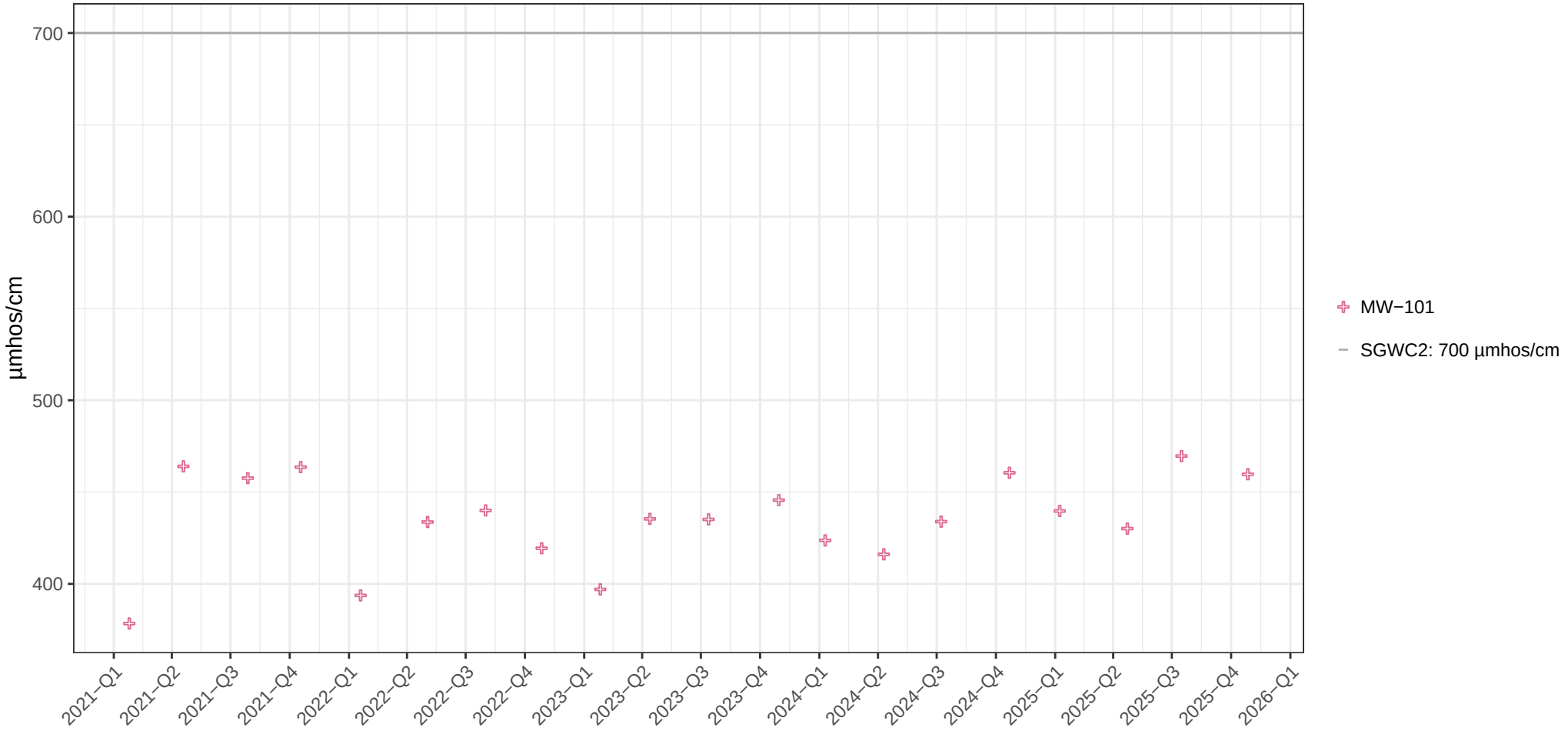
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−87B
SSWA Perched Zone
Total Dissolved Solids



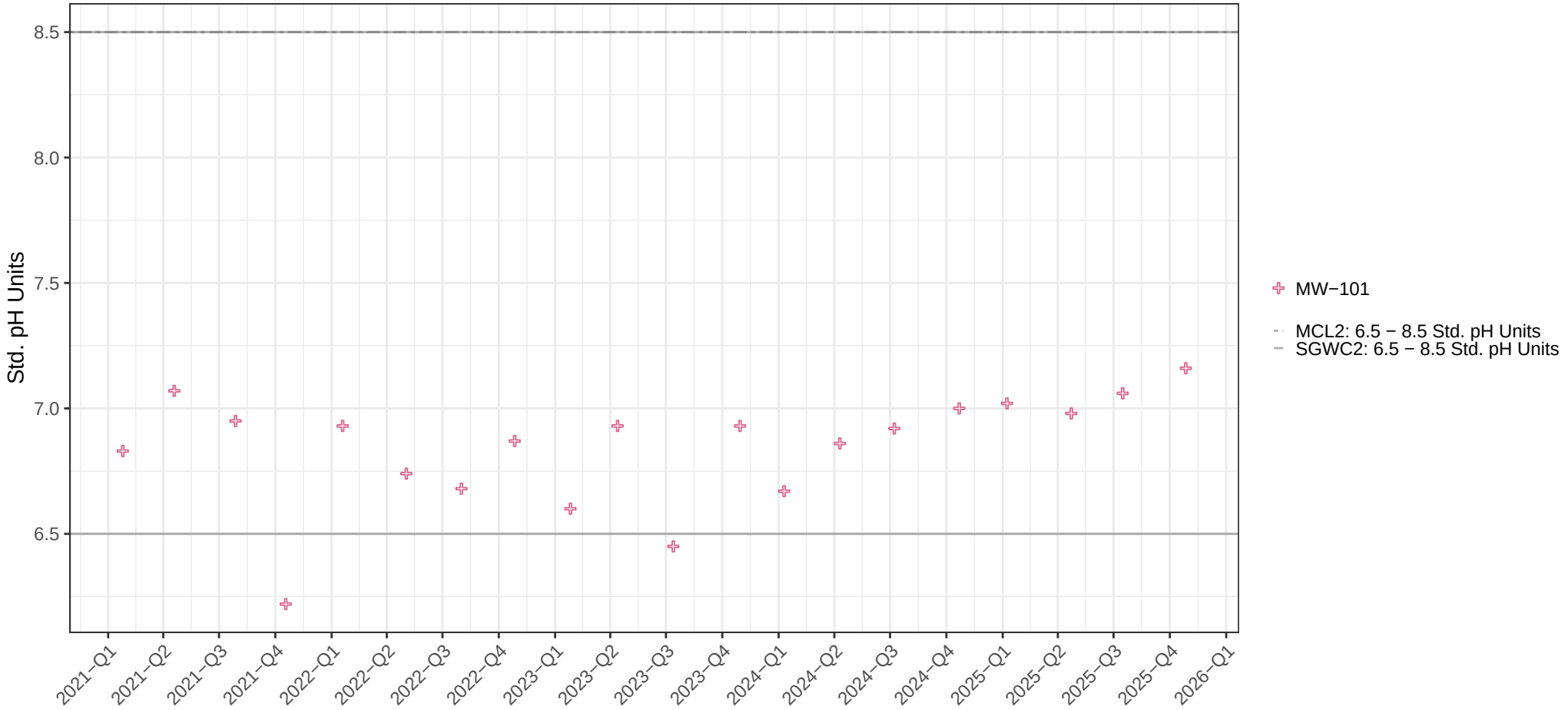
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−88B
SSWA Perched Zone
Specific Conductivity, Field



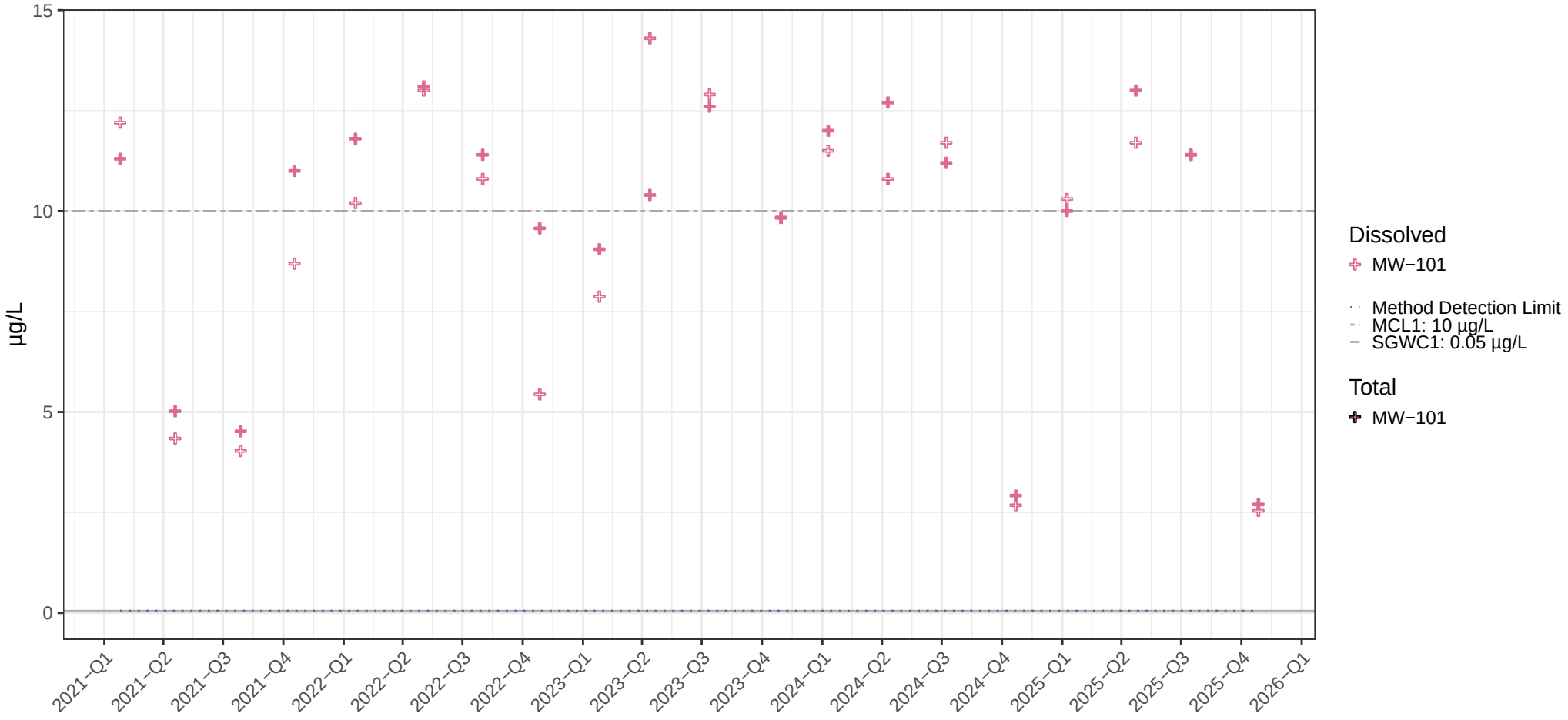
SGWC2: Washington State Secondary Groundwater Quality Criteria

Figure B−89B
SSWA Perched Zone
pH, Field



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−90B
SSWA Perched Zone
Arsenic



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−91B
SSWA Perched Zone
Calcium

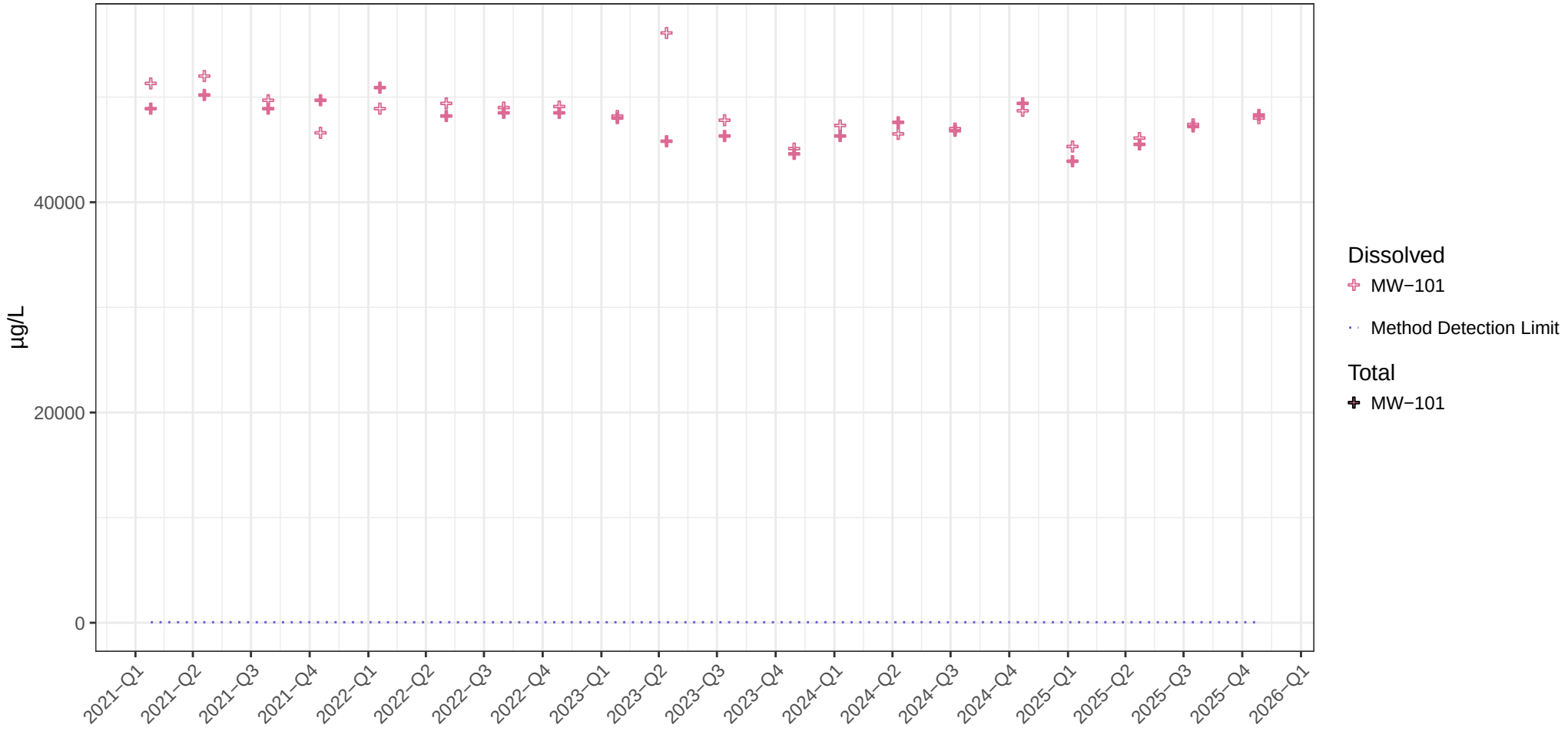
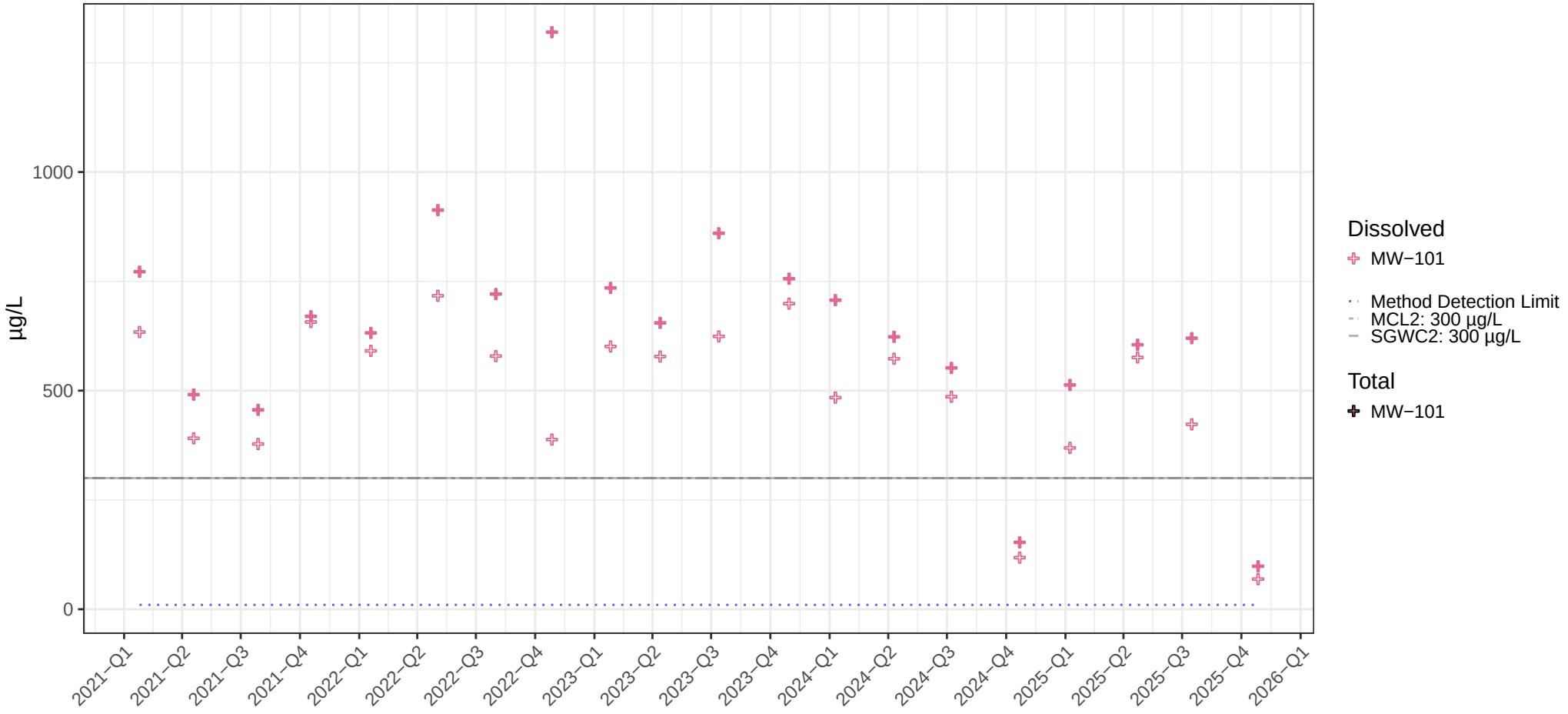


Figure B−92B
SSWA Perched Zone
Iron



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−93B
SSWA Perched Zone
Magnesium

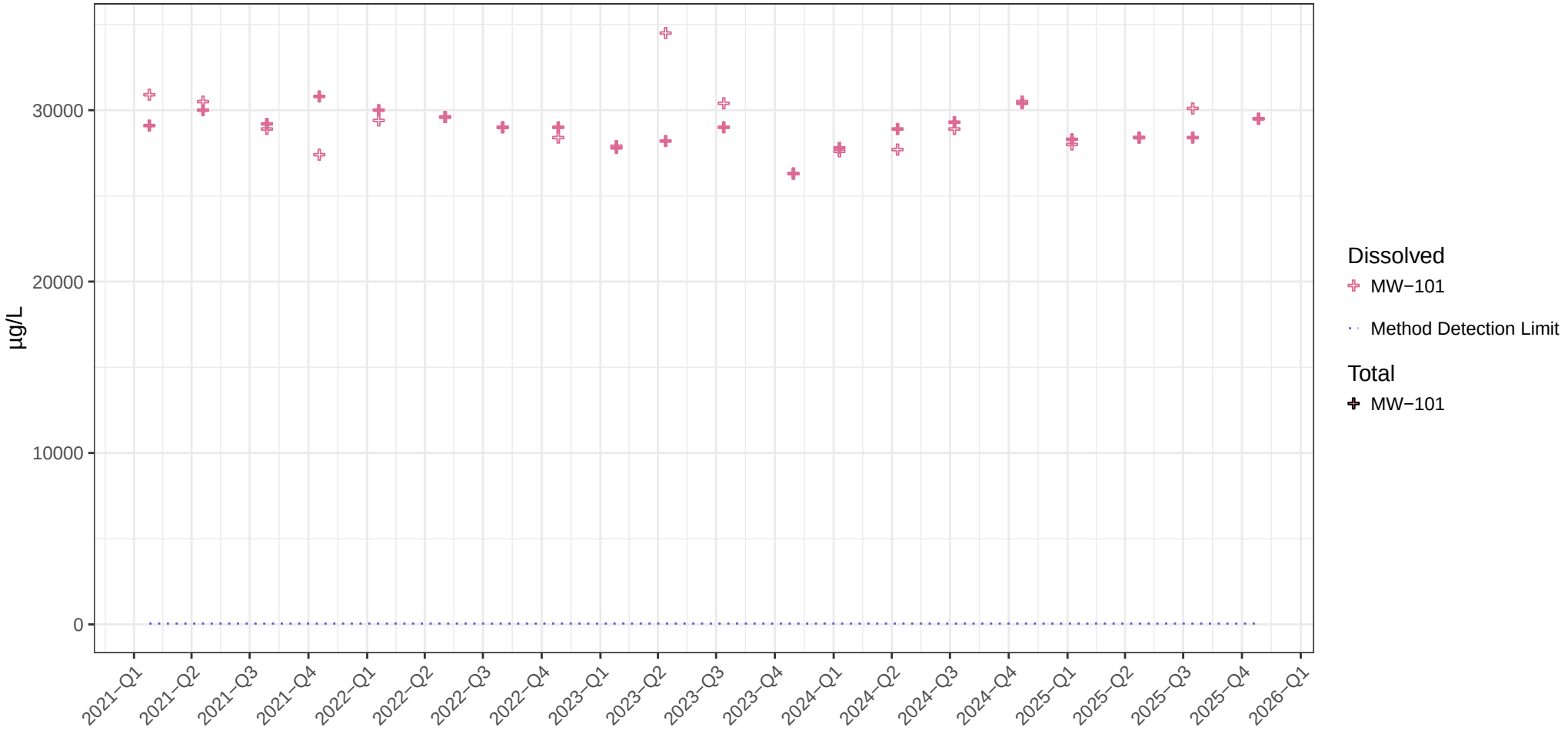
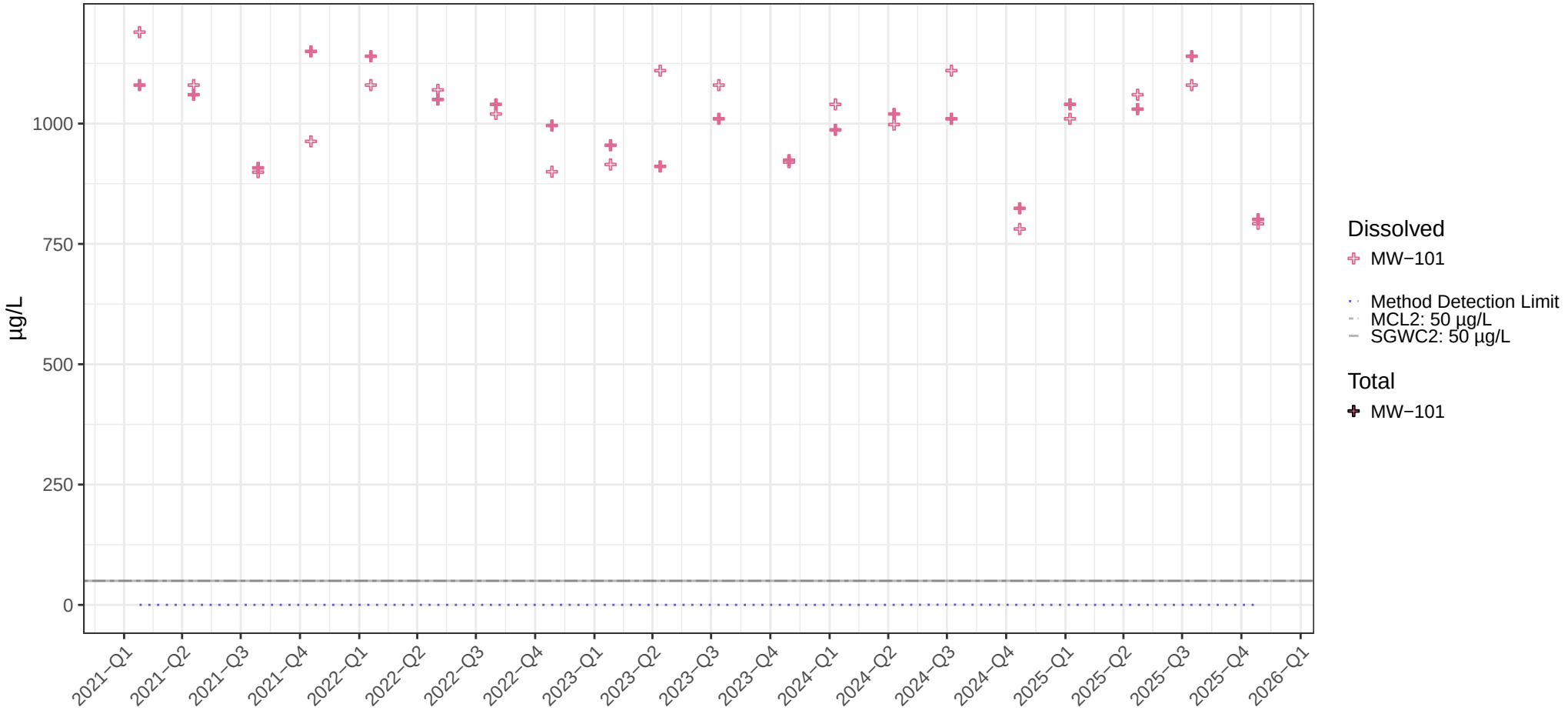


Figure B−94B
SSWA Perched Zone
Manganese



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−95B
SSWA Perched Zone
Potassium

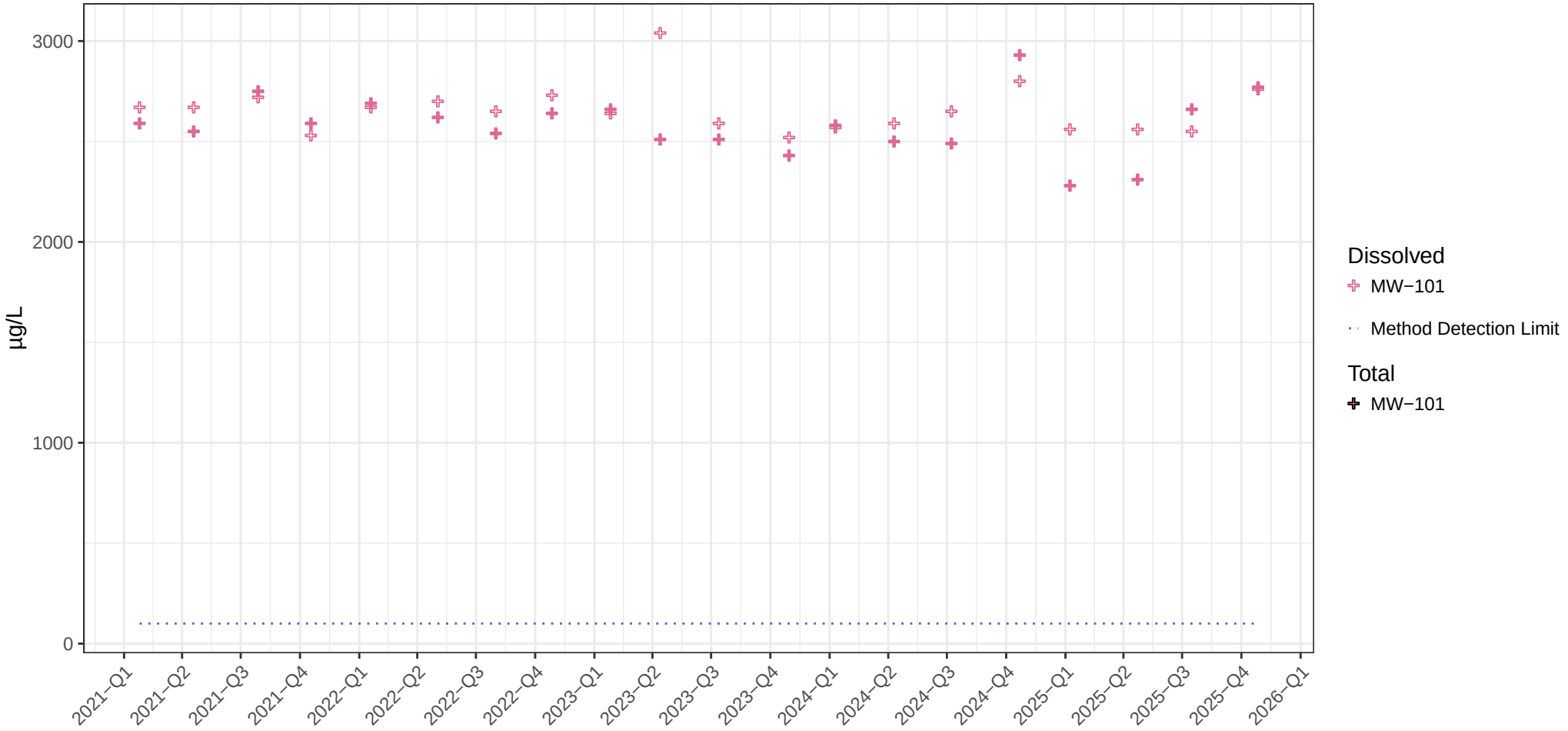
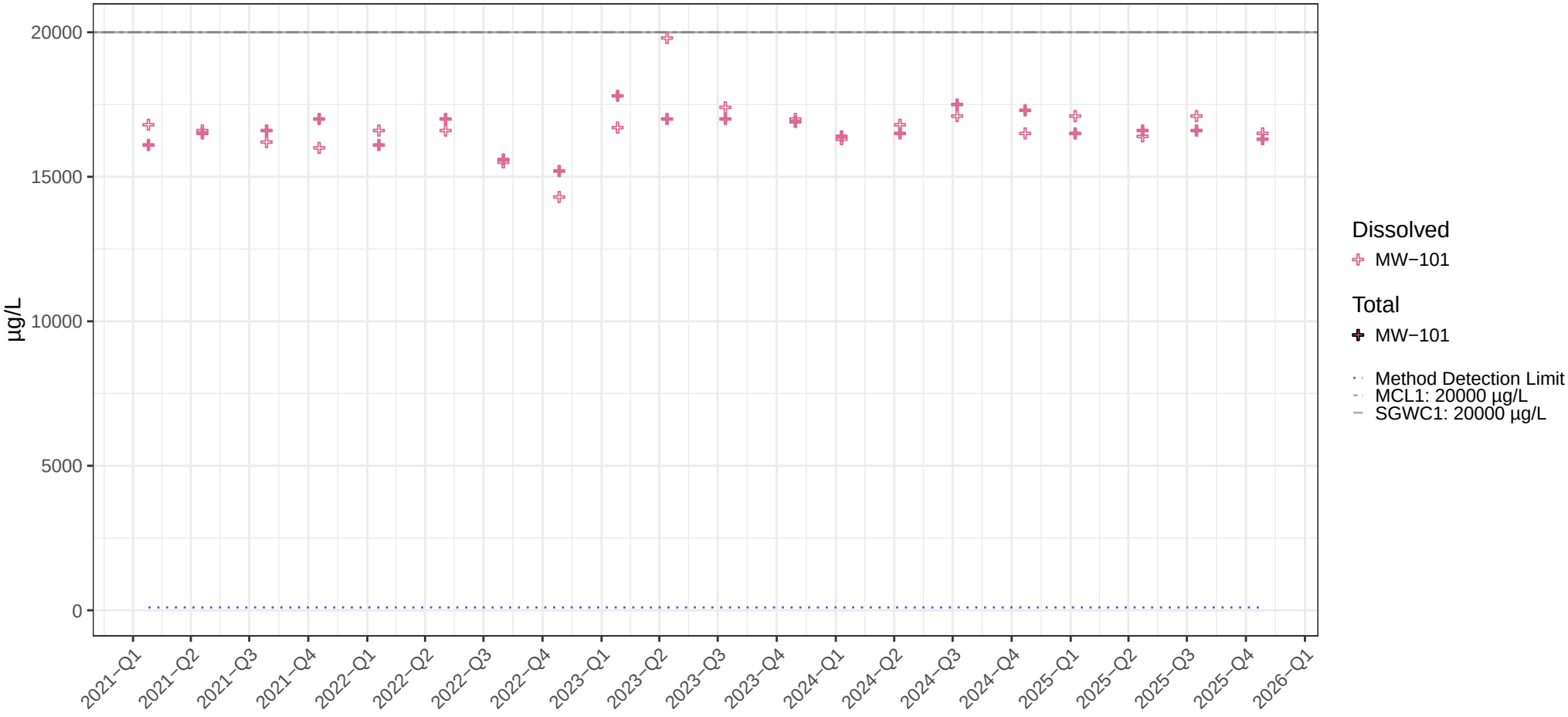
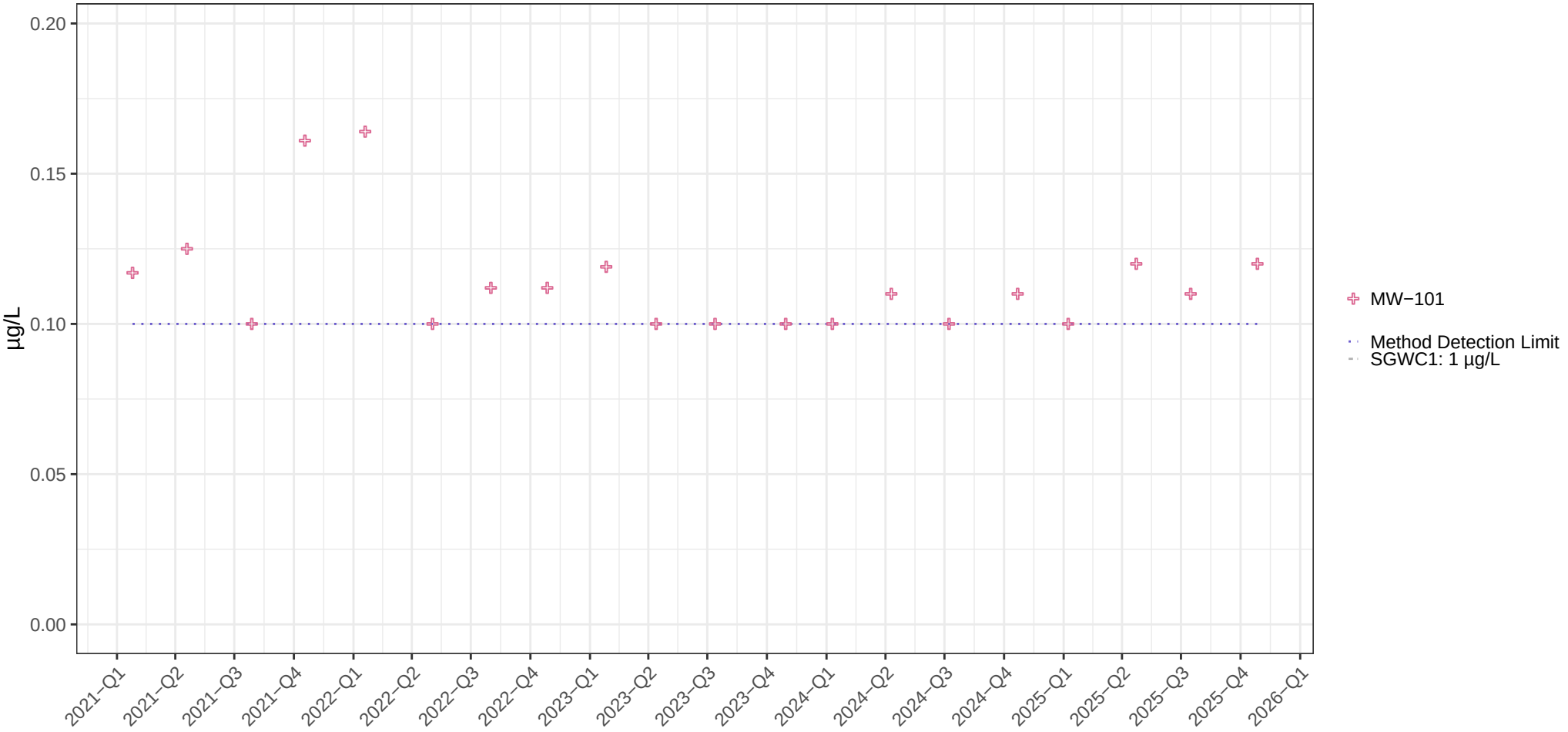


Figure B−96B
SSWA Perched Zone
Sodium



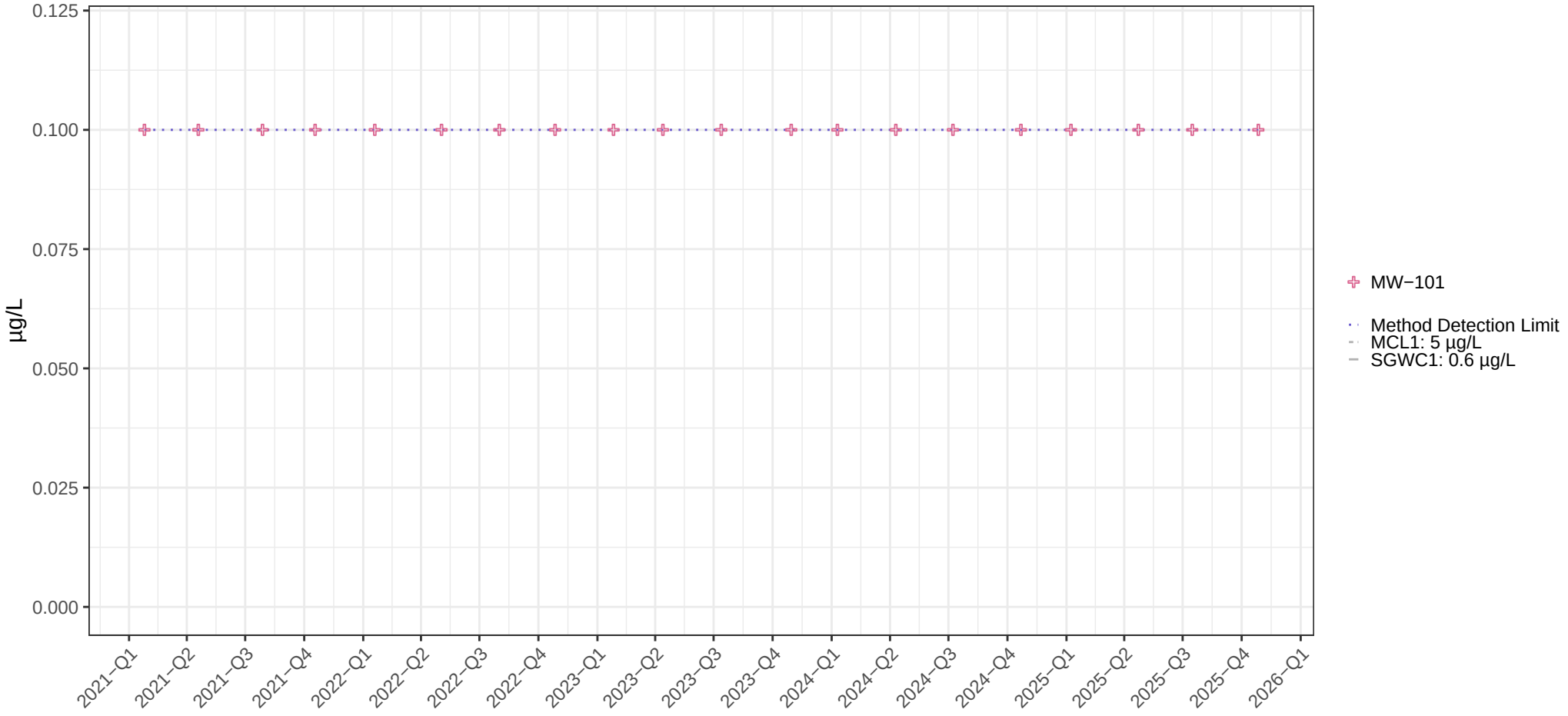
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−97B
SSWA Perched Zone
1,1−Dichloroethane



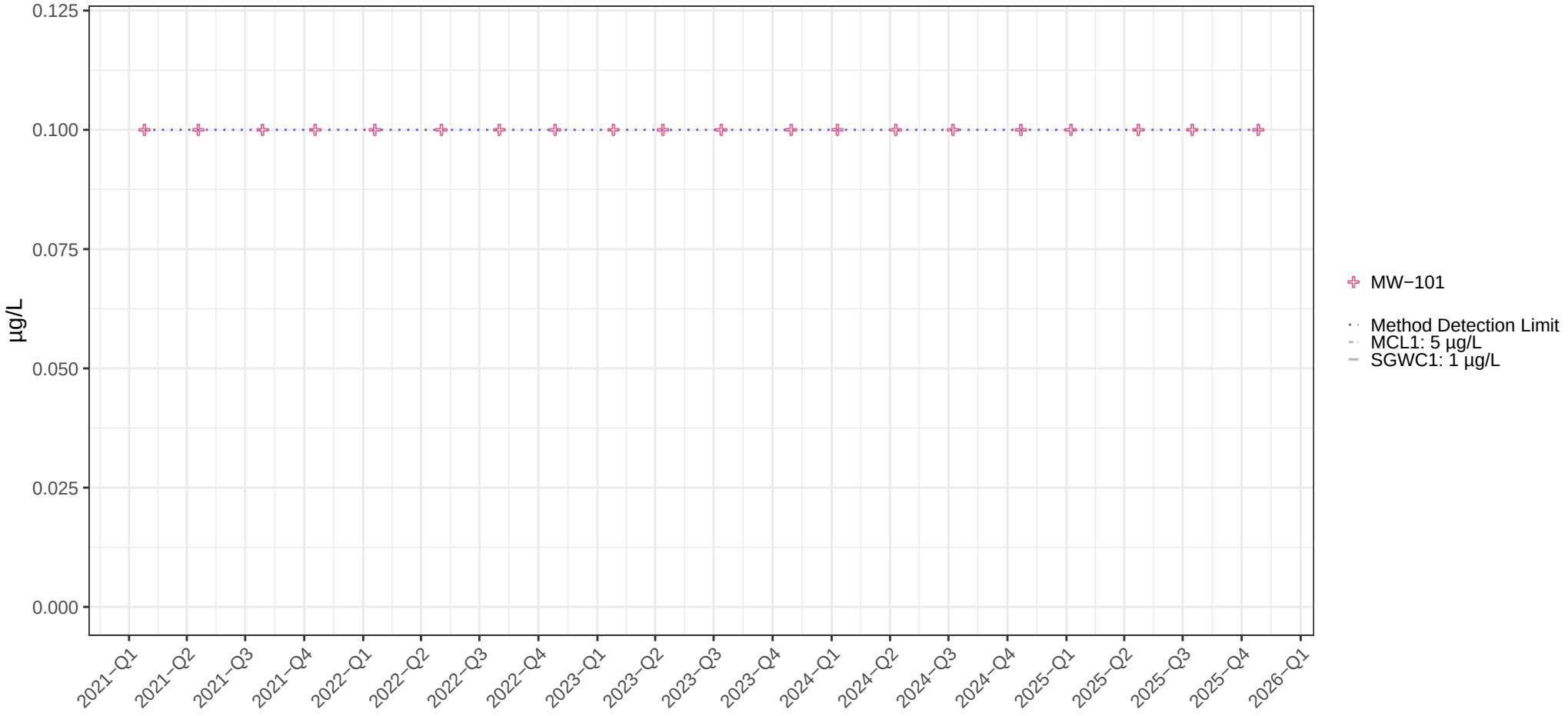
SGWC1: Washington State Primary Groundwater Quality Criteria

Figure B−98B
SSWA Perched Zone
1,2−Dichloropropane



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−99B
SSWA Perched Zone
Benzene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−100B
SSWA Perched Zone
Chloroethane

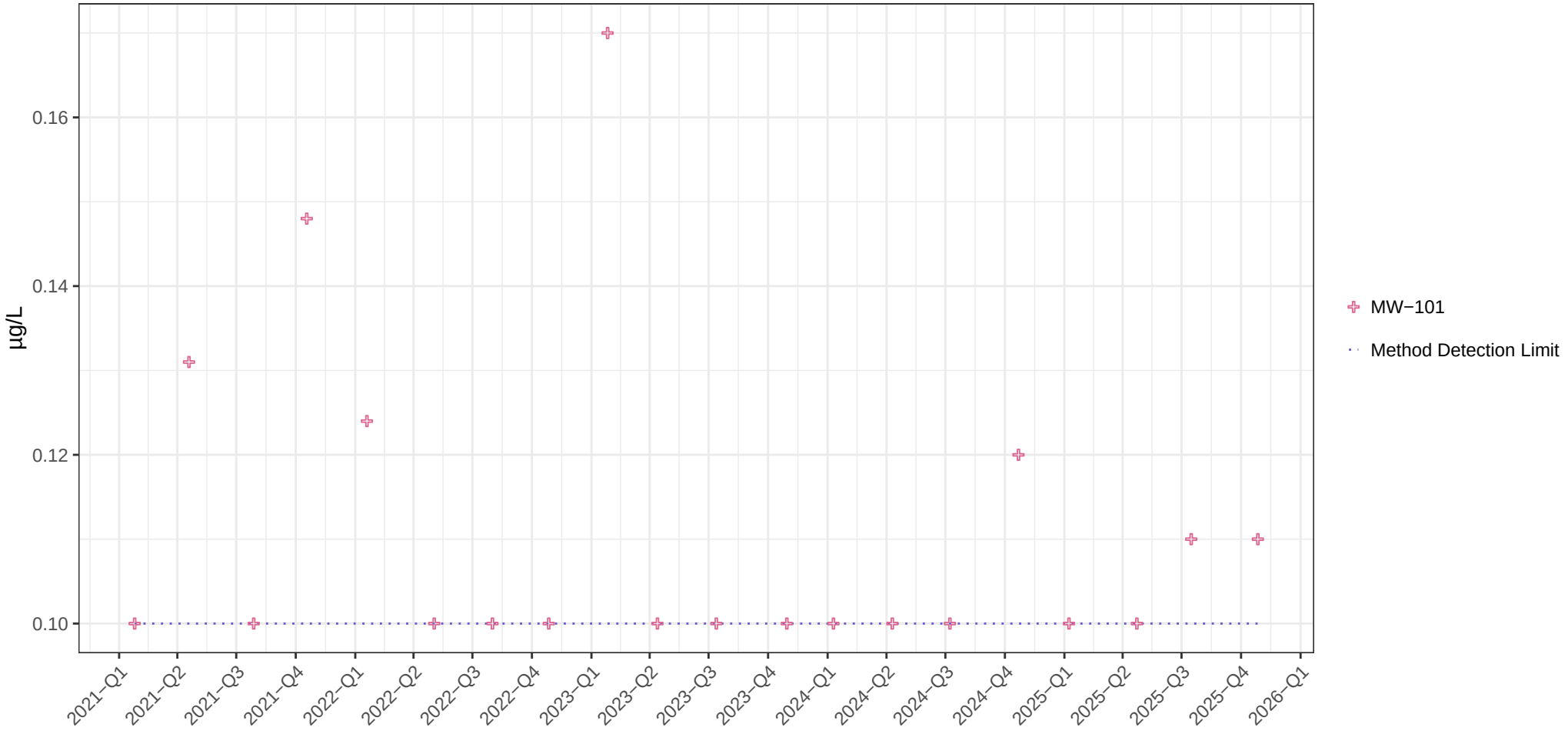
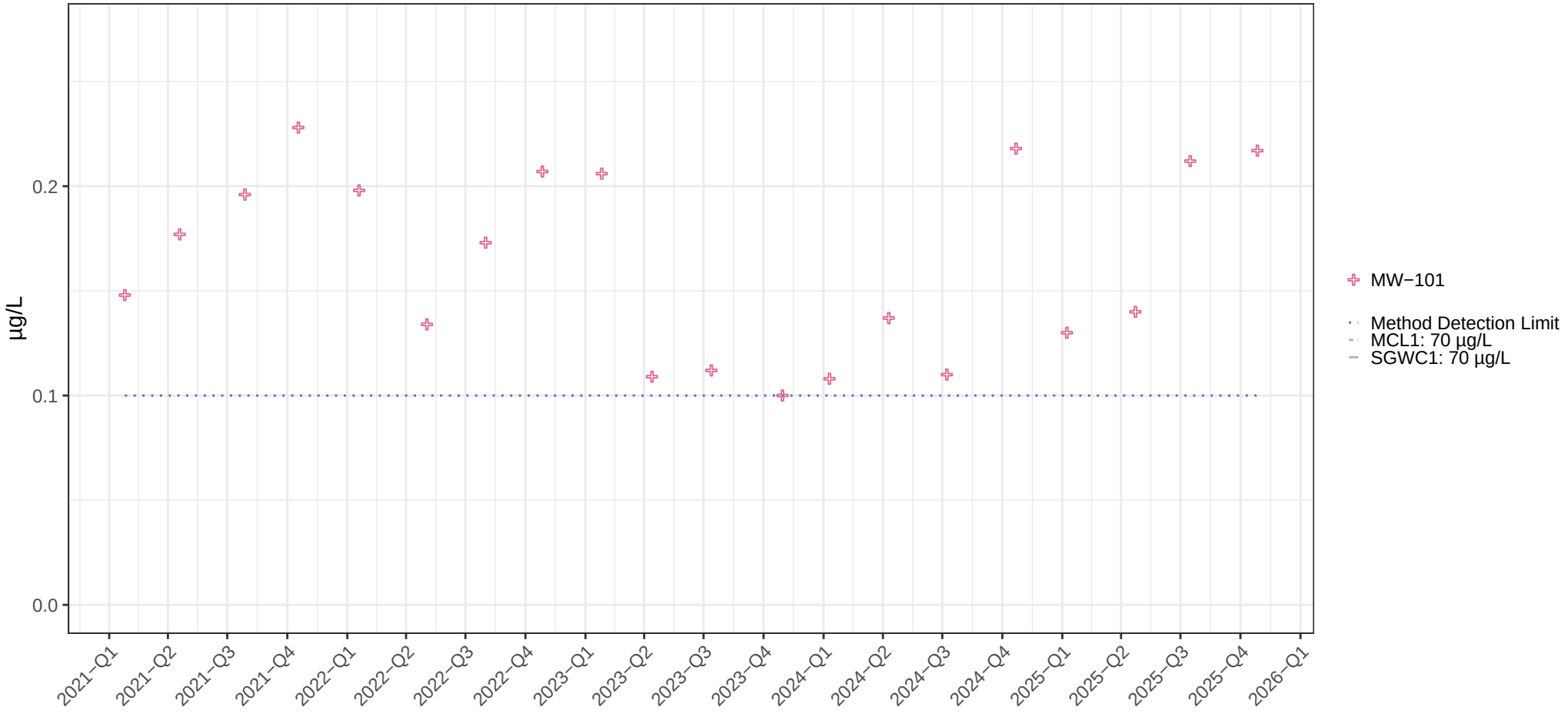


Figure B−101B
SSWA Perched Zone
Cis−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−102B
SSWA Perched Zone
Dichlorodifluoromethane

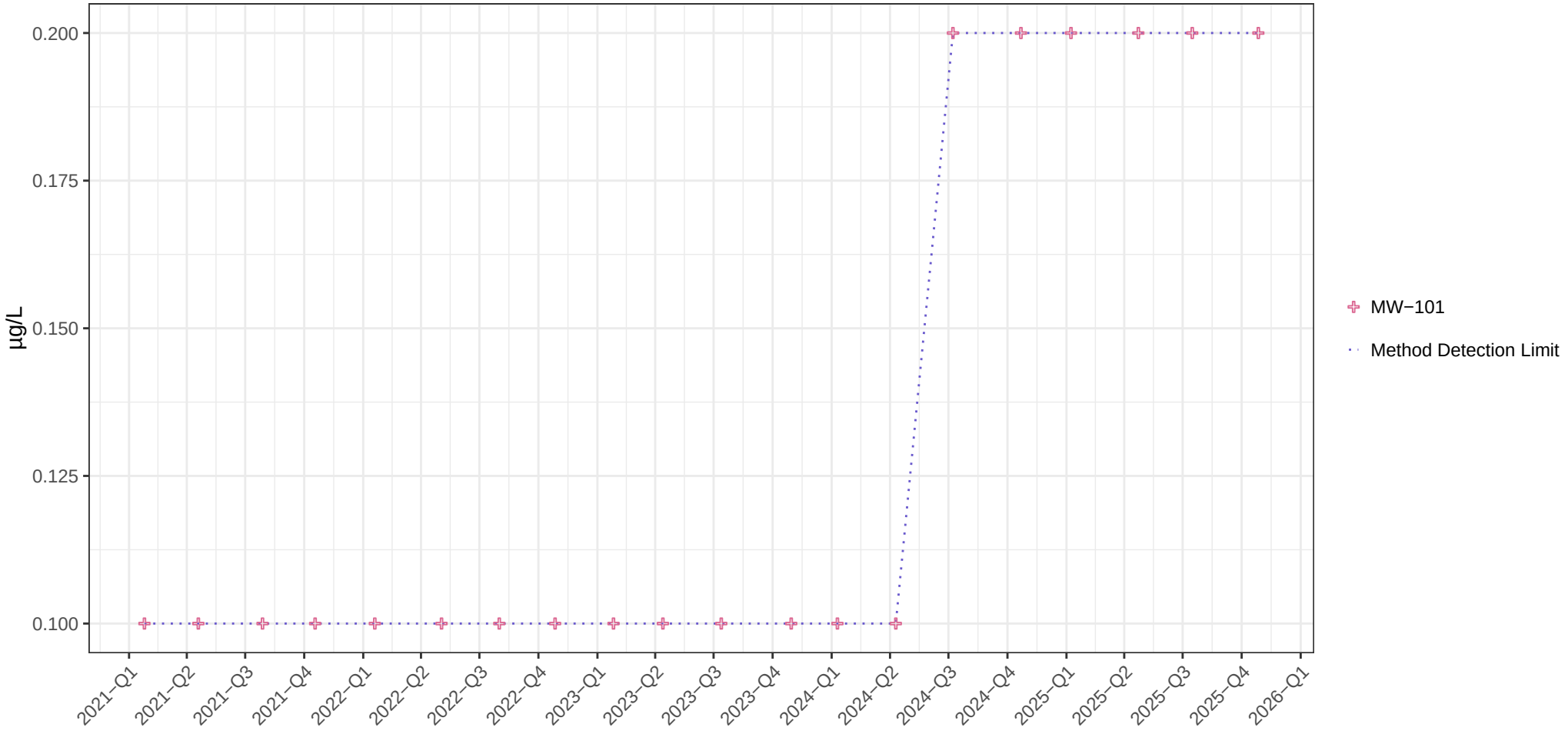
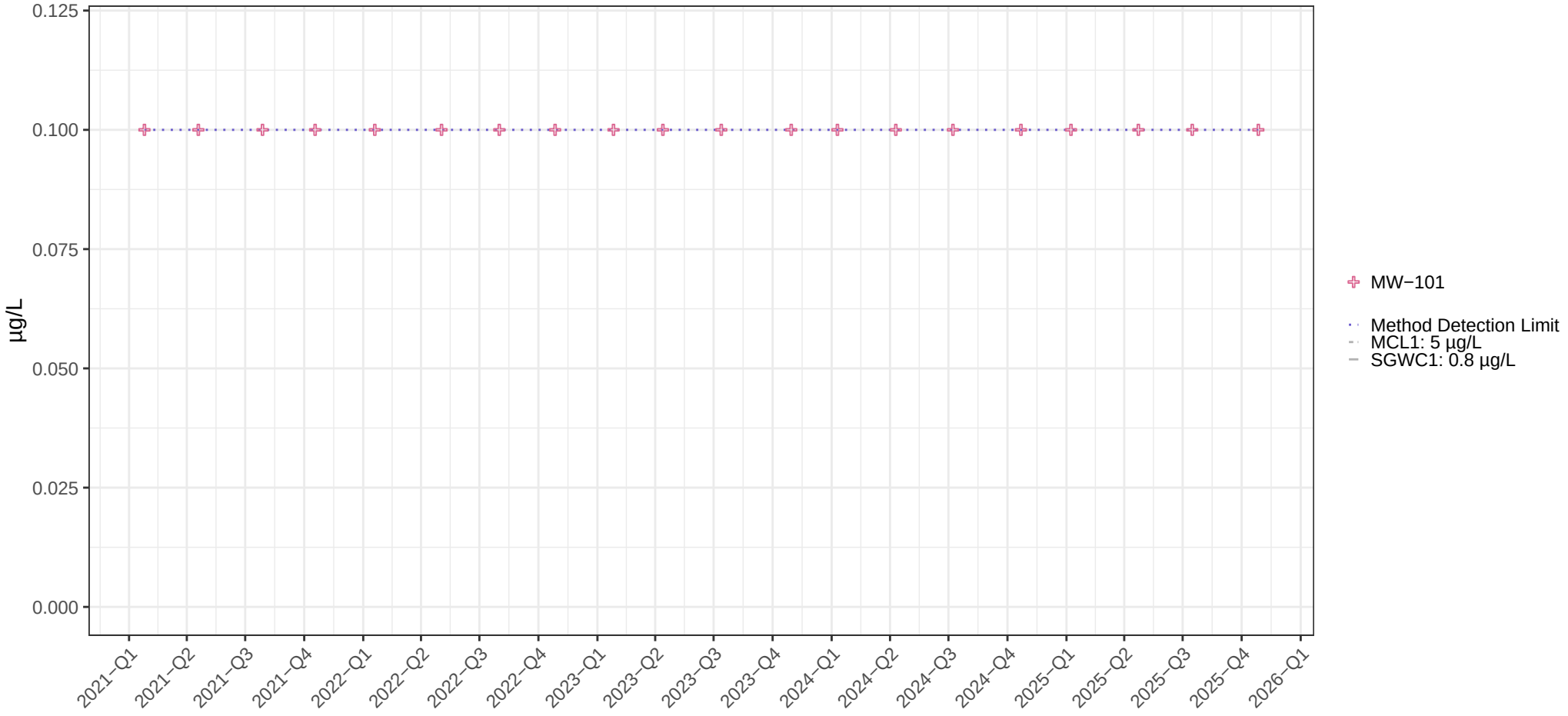
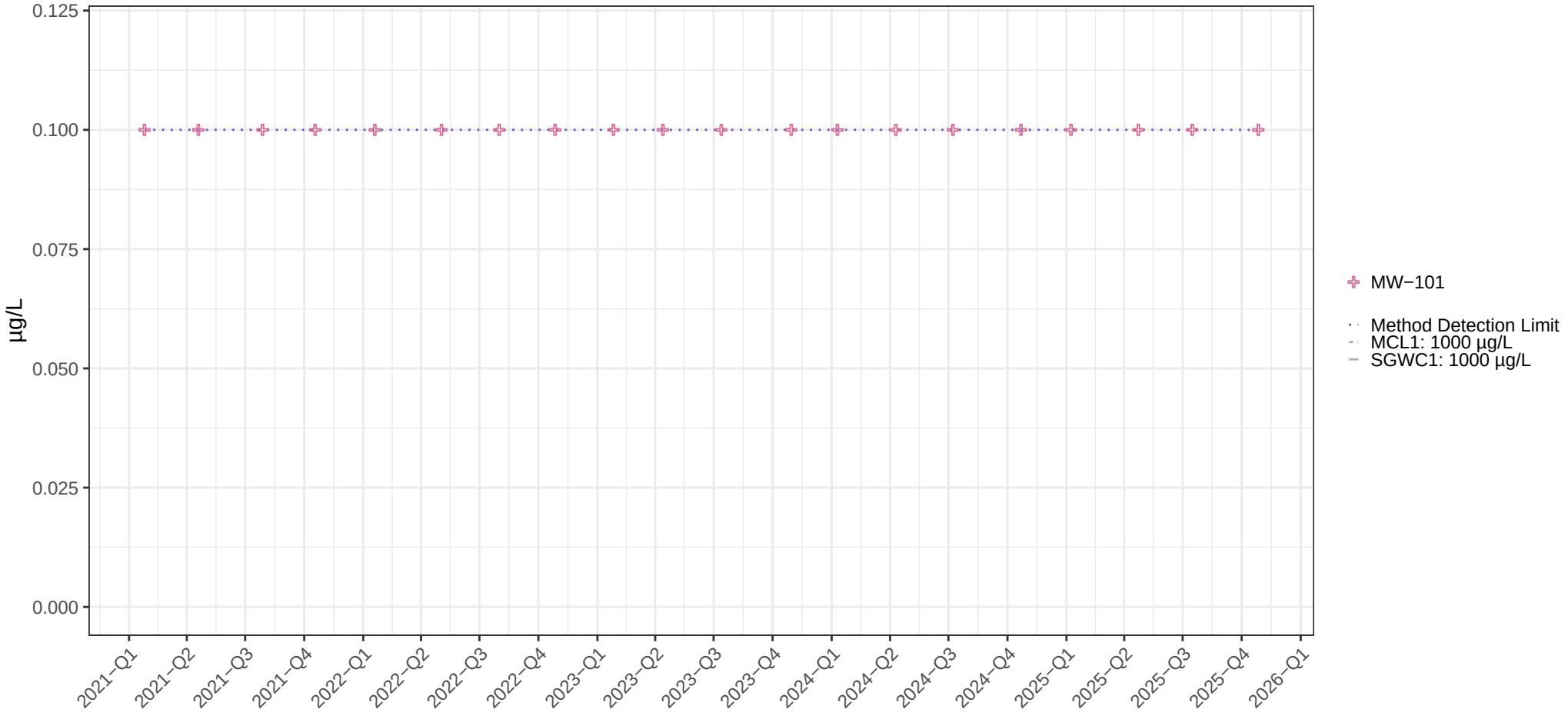


Figure B−103B
SSWA Perched Zone
Tetrachloroethene



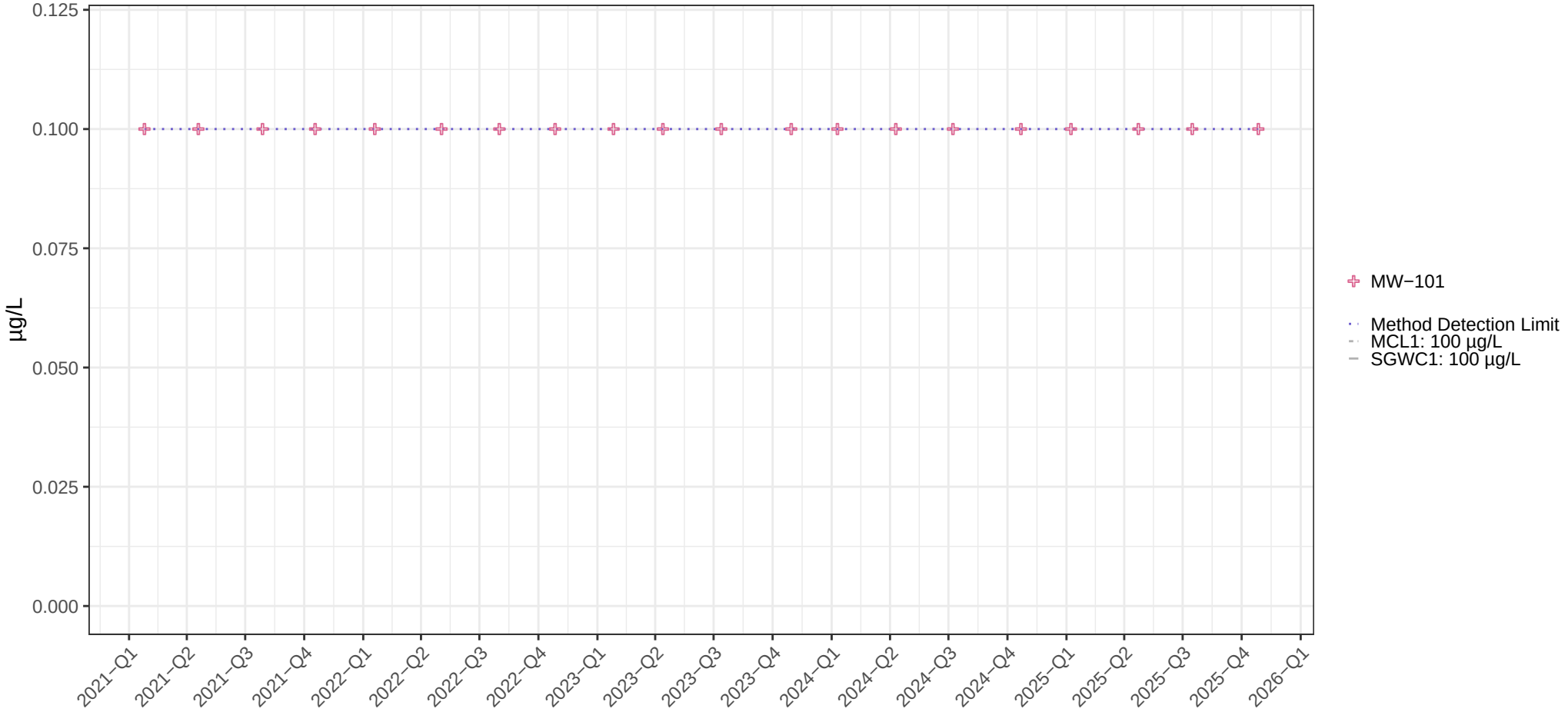
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−104B
SSWA Perched Zone
Toluene



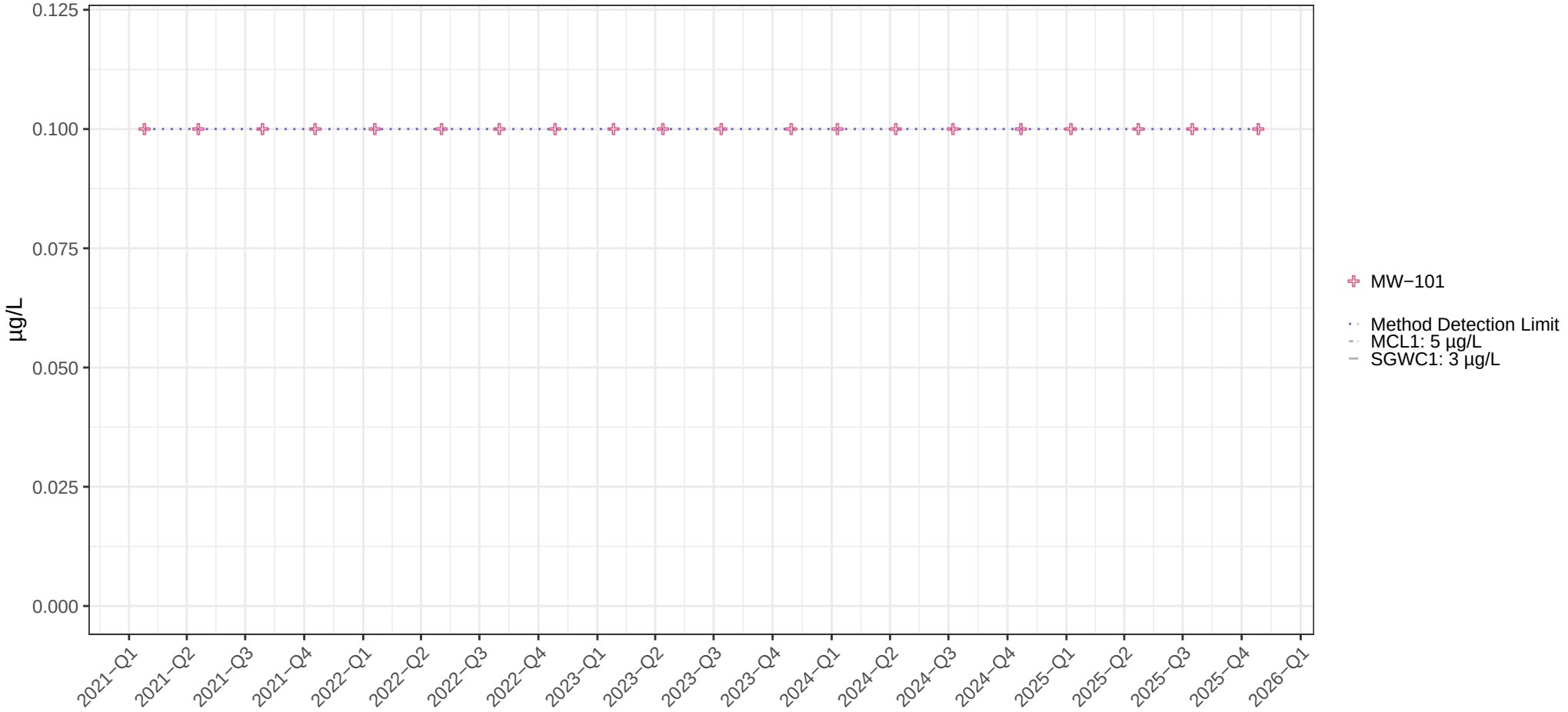
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−105B
SSWA Perched Zone
Trans−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−106B
SSWA Perched Zone
Trichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−107B
SSWA Perched Zone
Trichlorofluoromethane

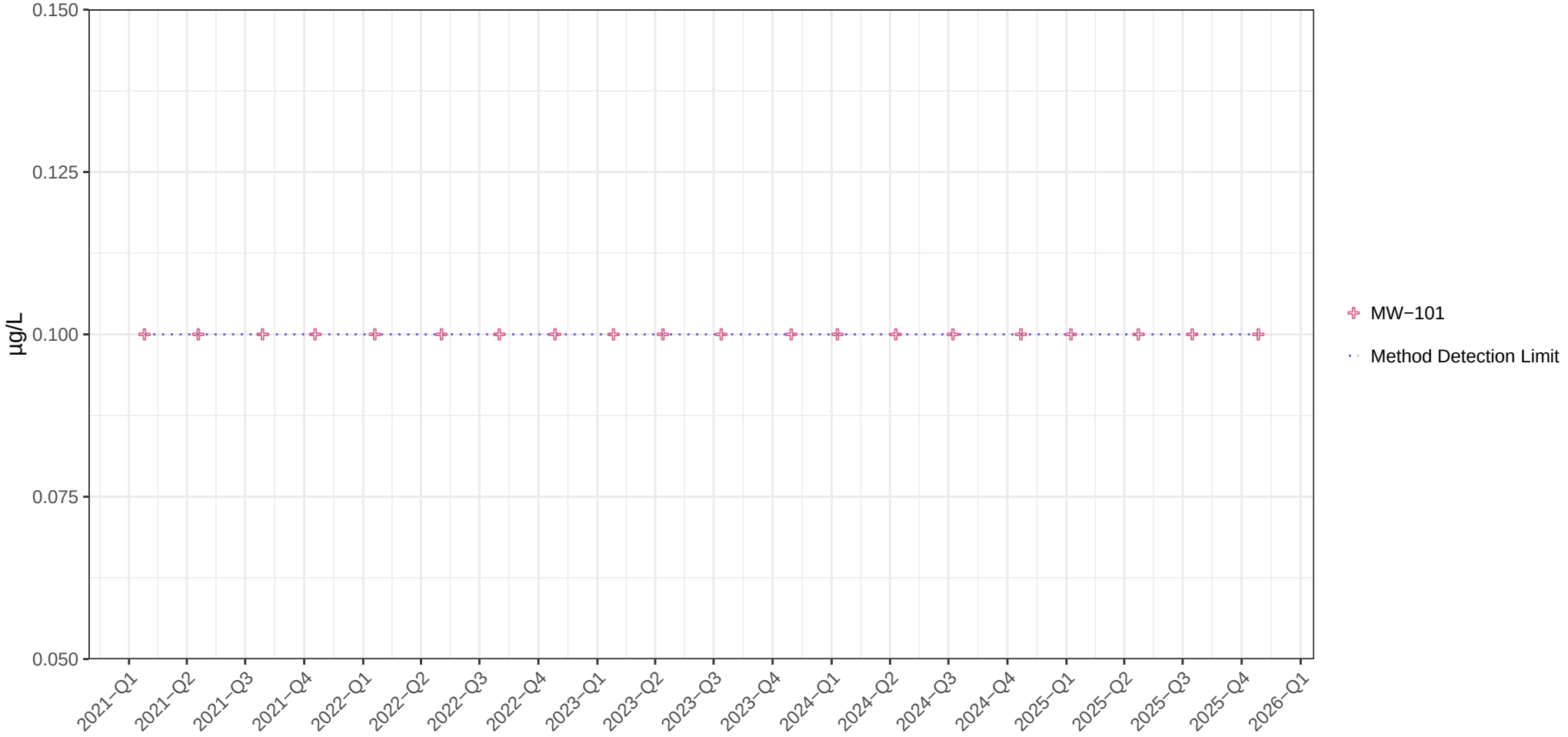
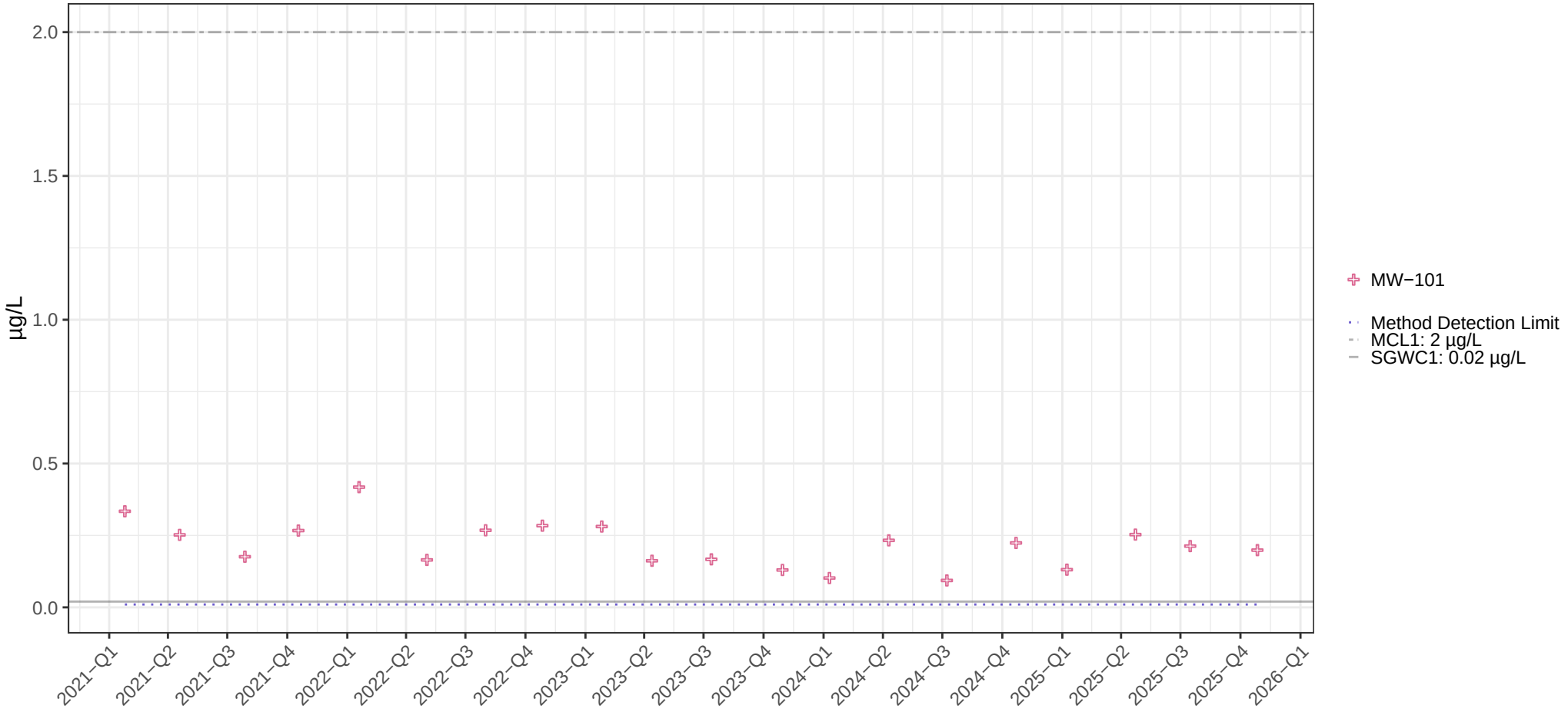


Figure B−108B
SSWA Perched Zone
Vinyl Chloride



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−109A
Regional − Upgradient
Alkalinity, Total (as CaCO3)

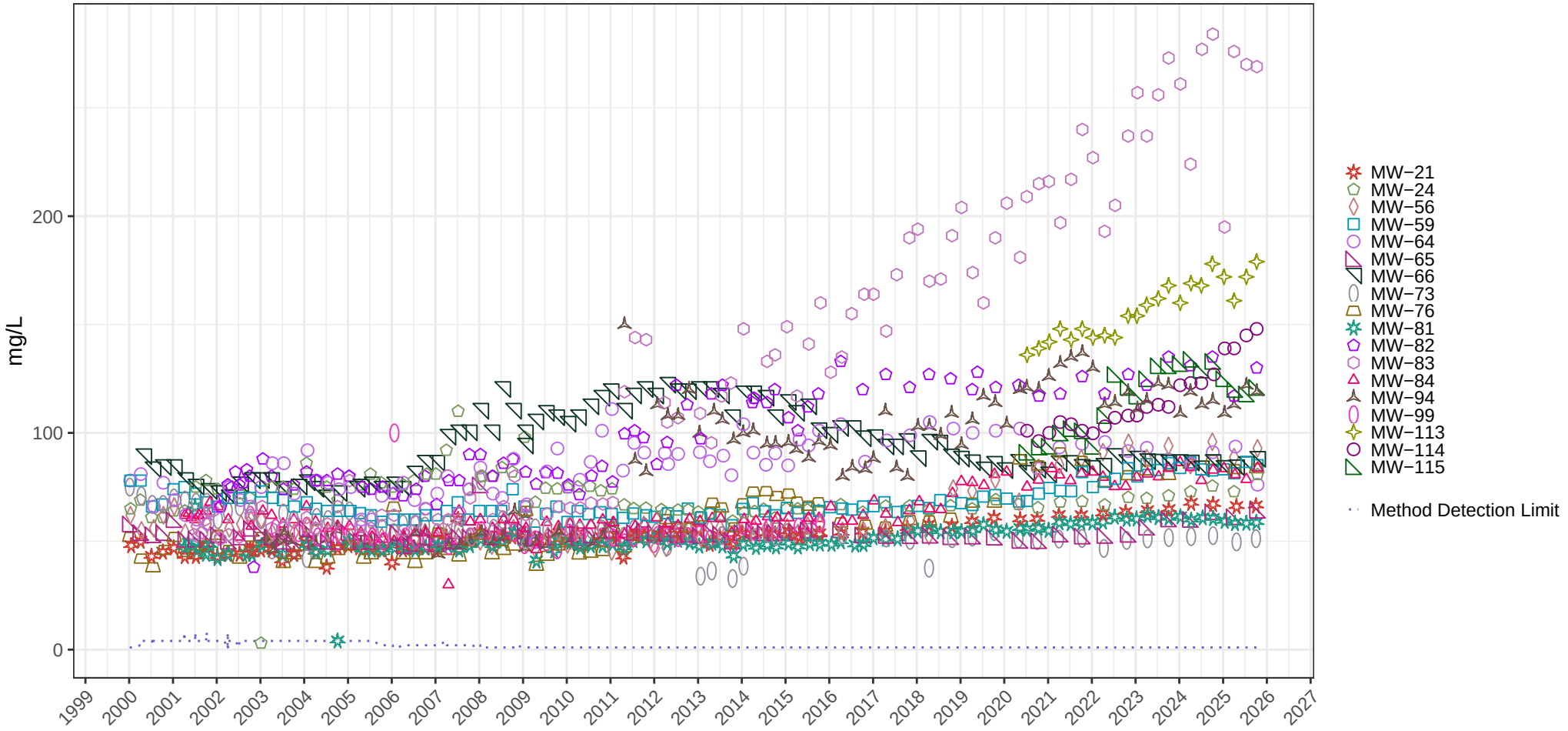


Figure B−110A
Regional − Upgradient
Ammonia As N

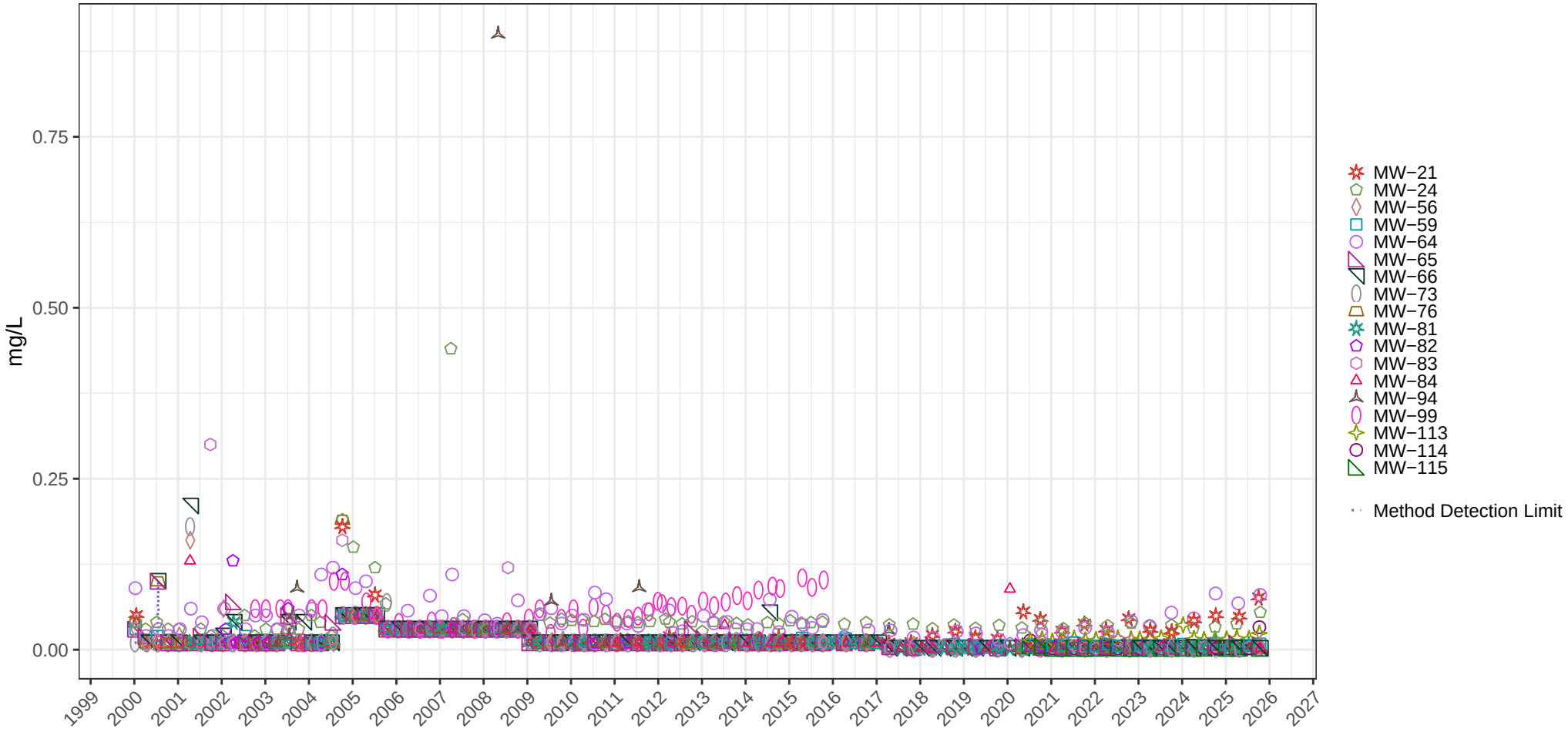
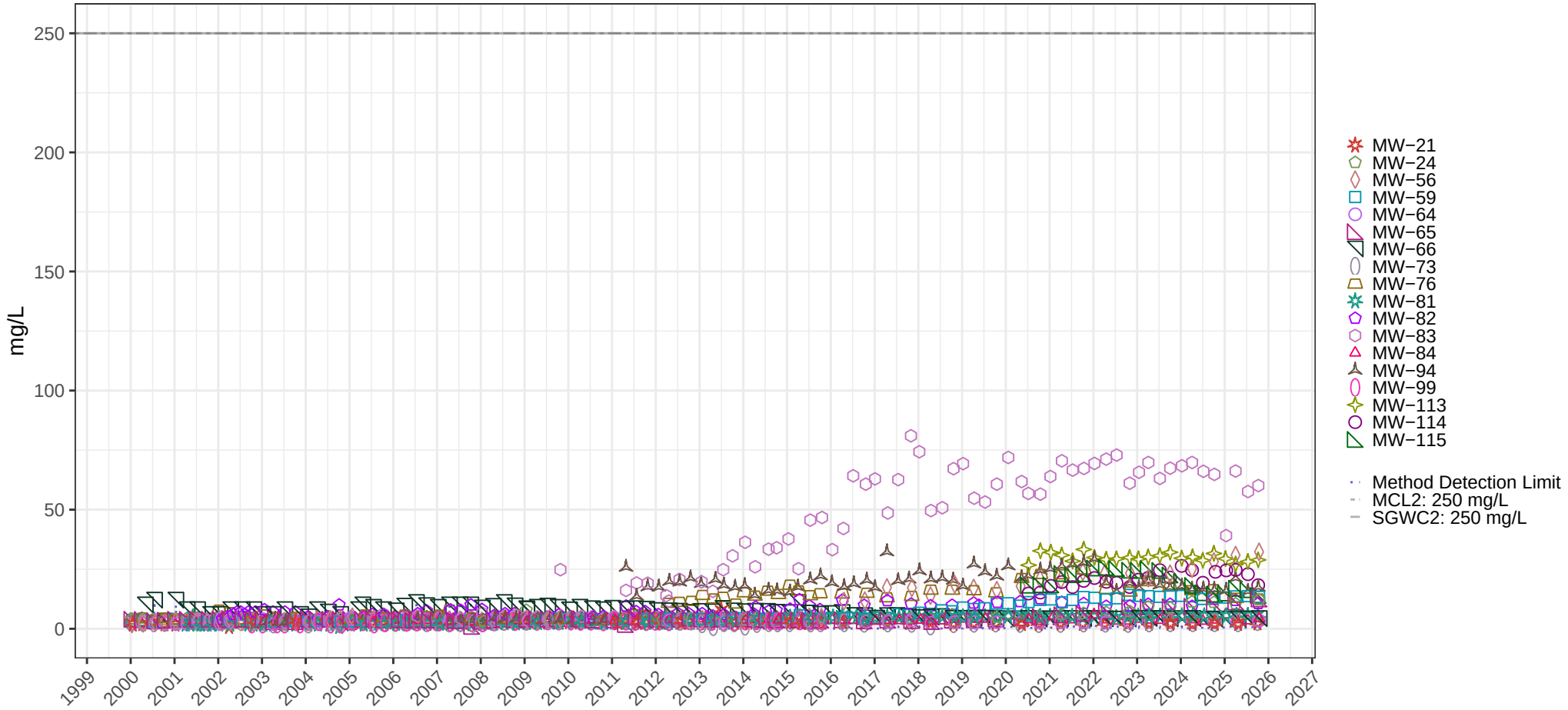
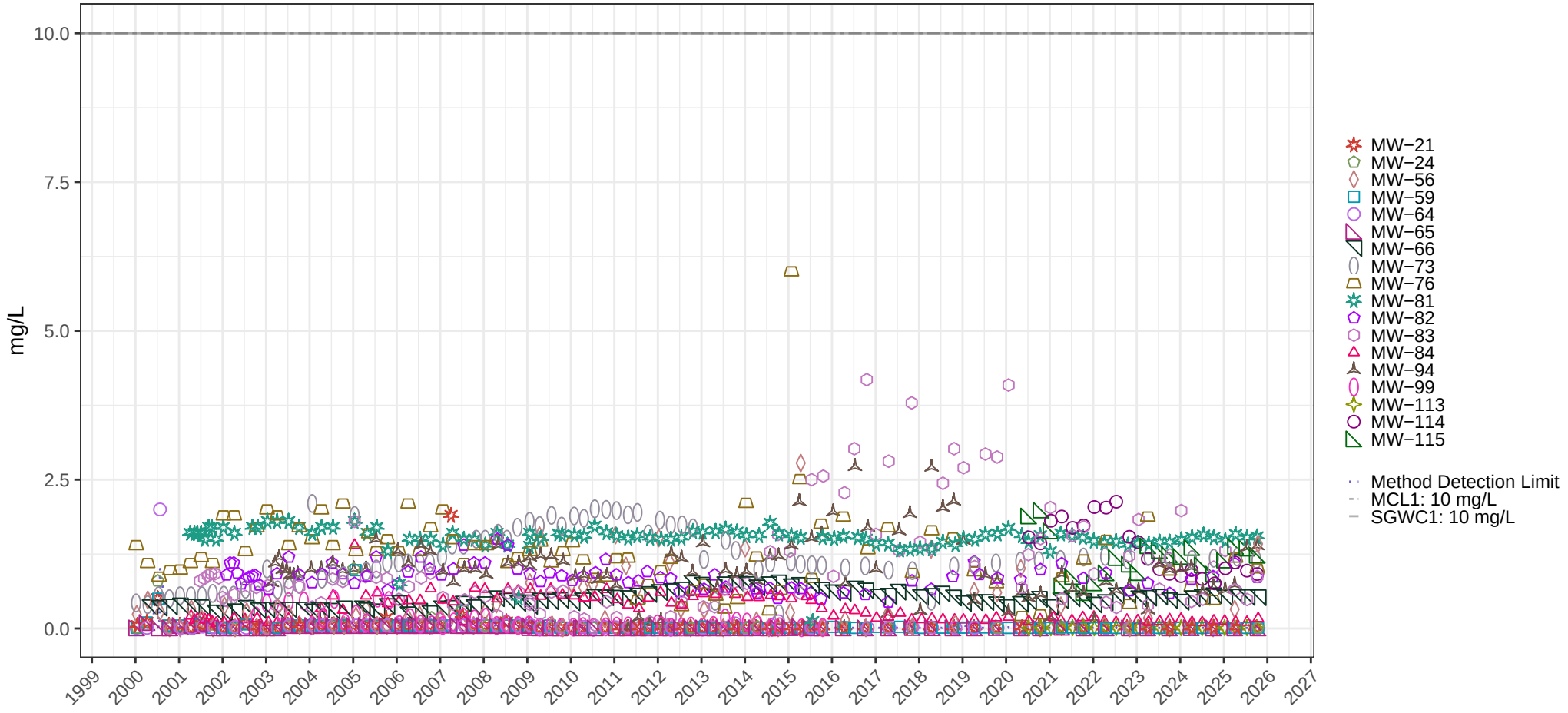


Figure B−111A
Regional − Upgradient
Chloride



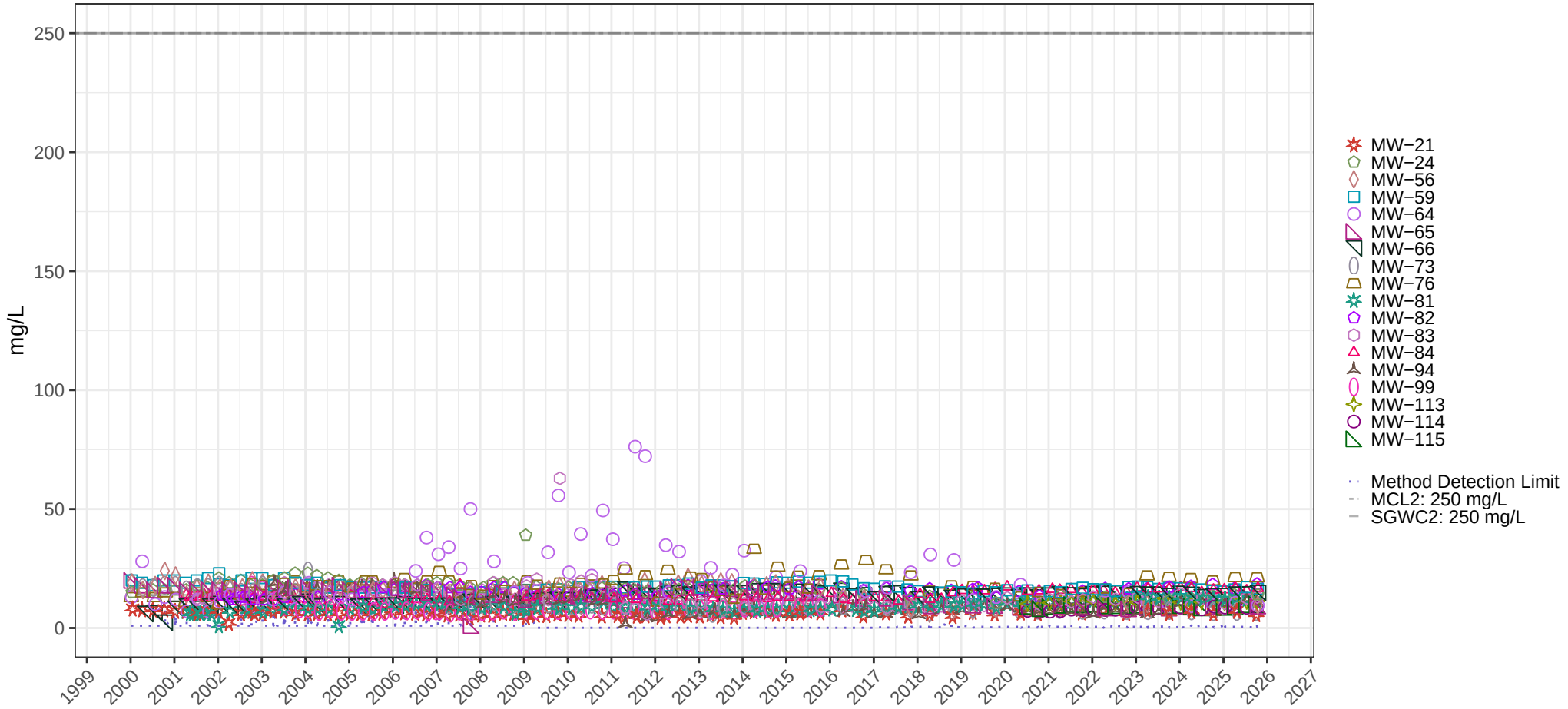
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−112A
Regional − Upgradient
Nitrate



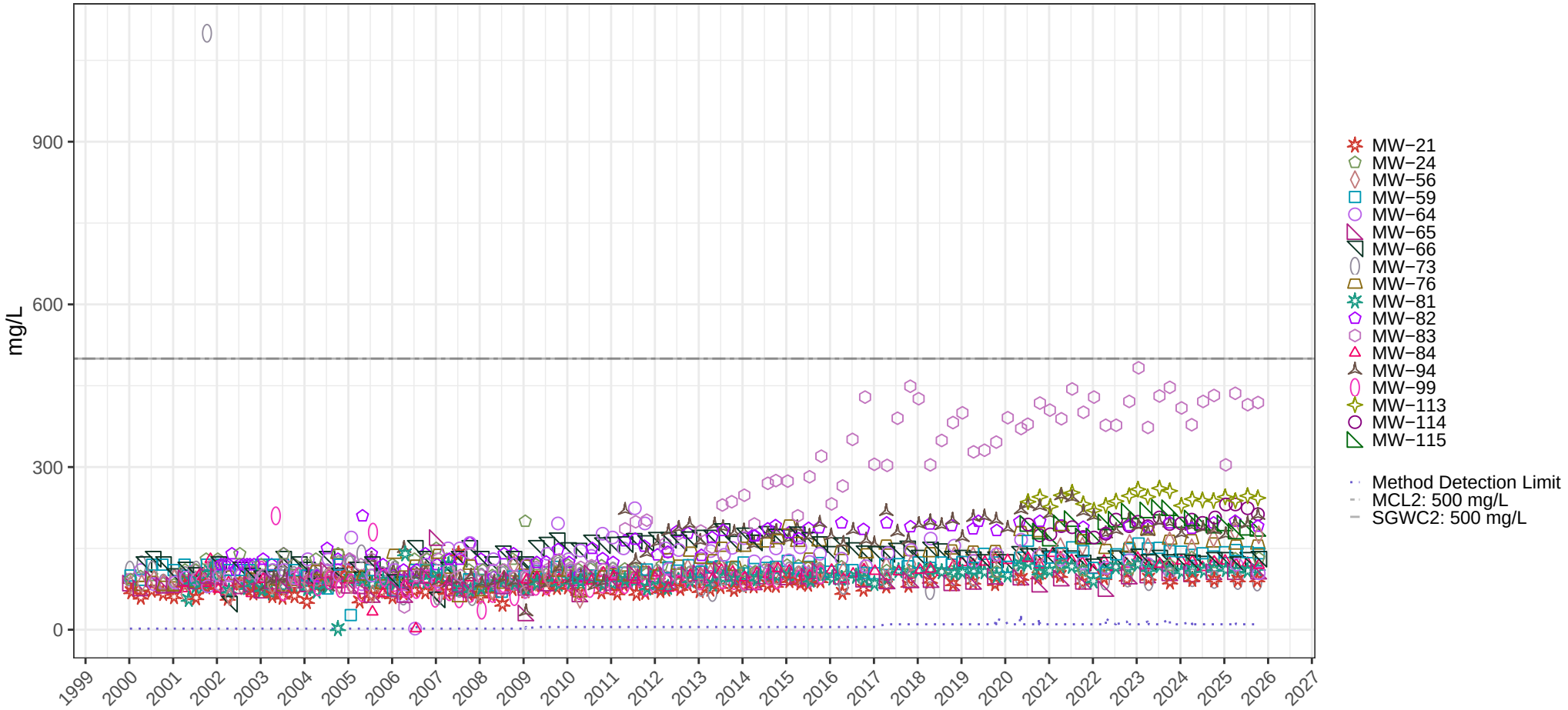
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−113A
Regional − Upgradient
Sulfate



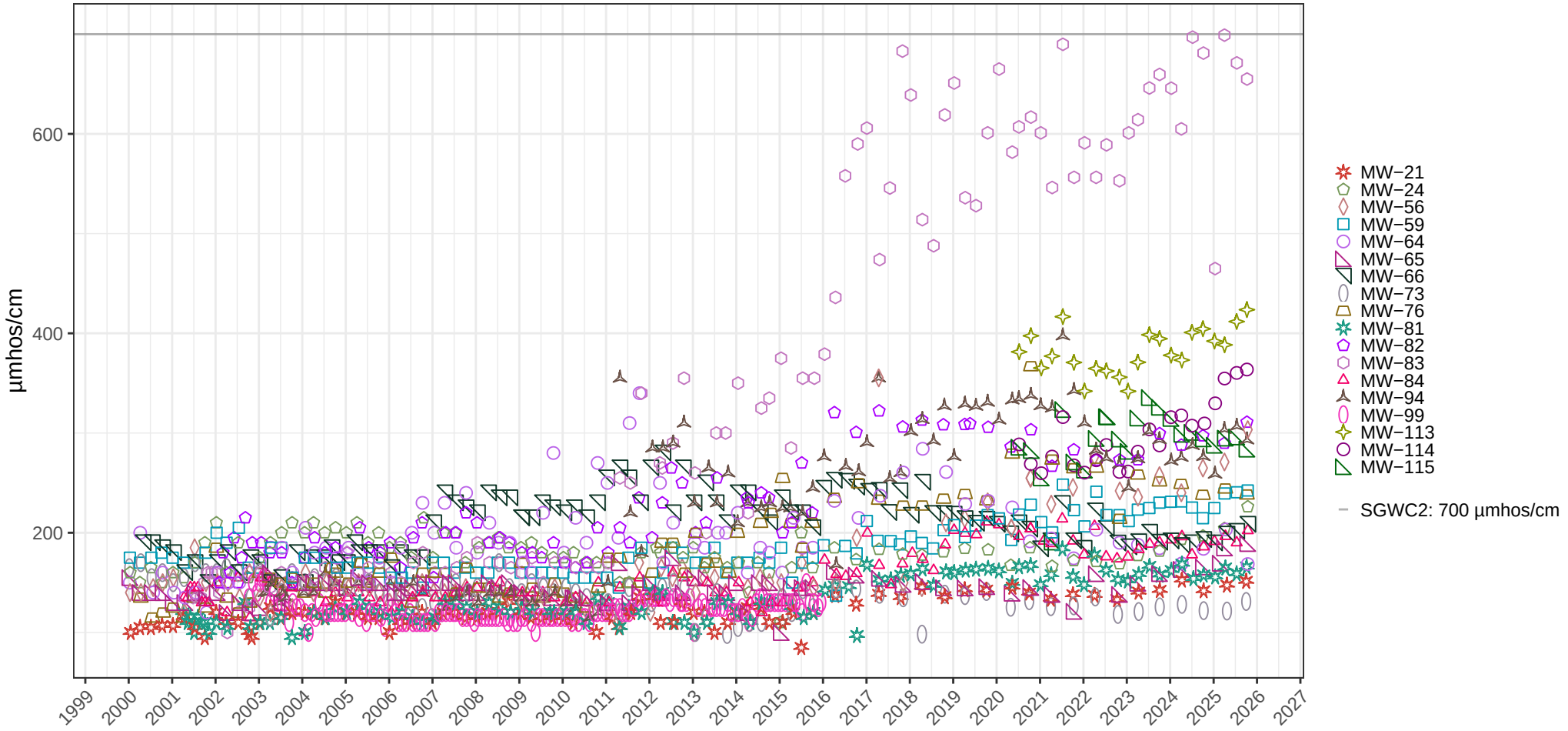
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−114A
Regional − Upgradient
Total Dissolved Solids



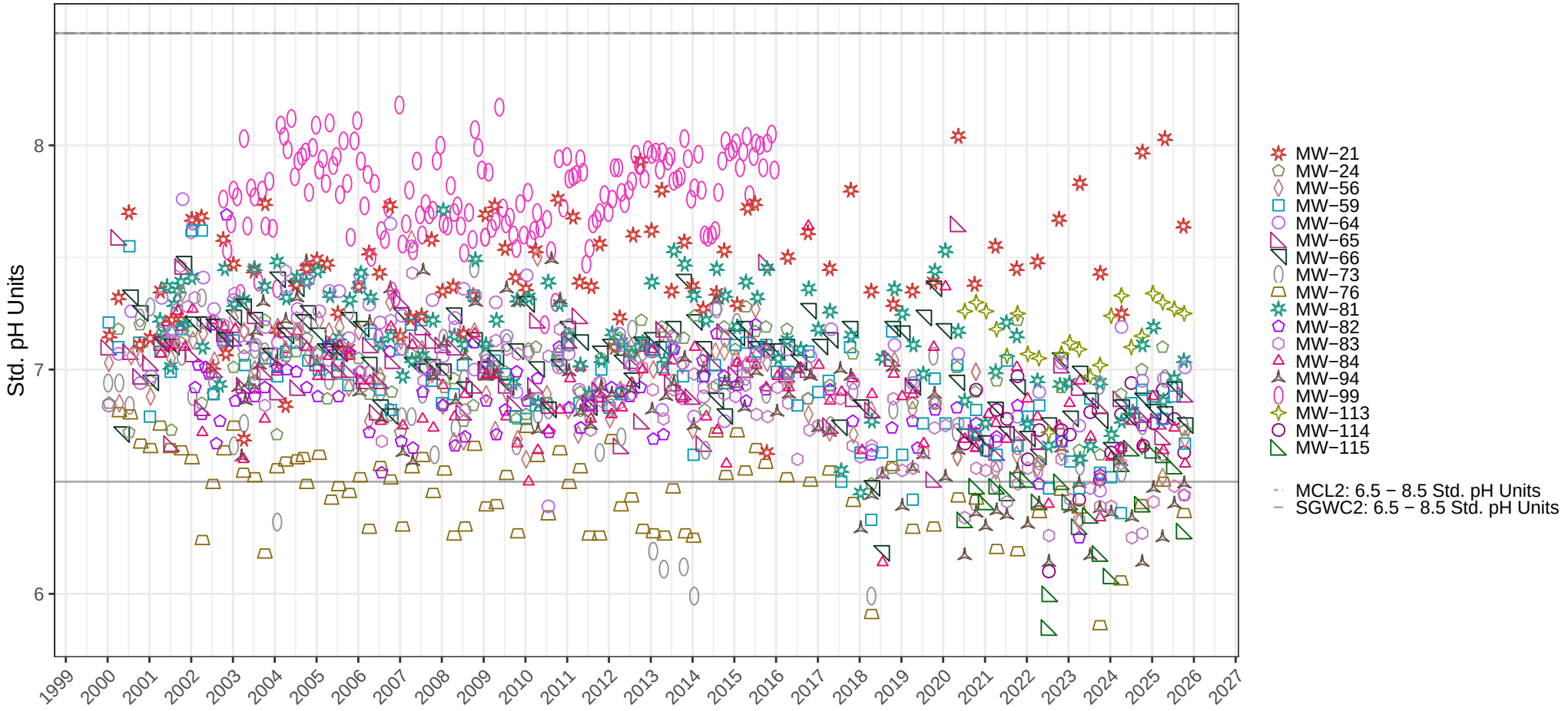
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−115A
Regional − Upgradient
Specific Conductivity, Field



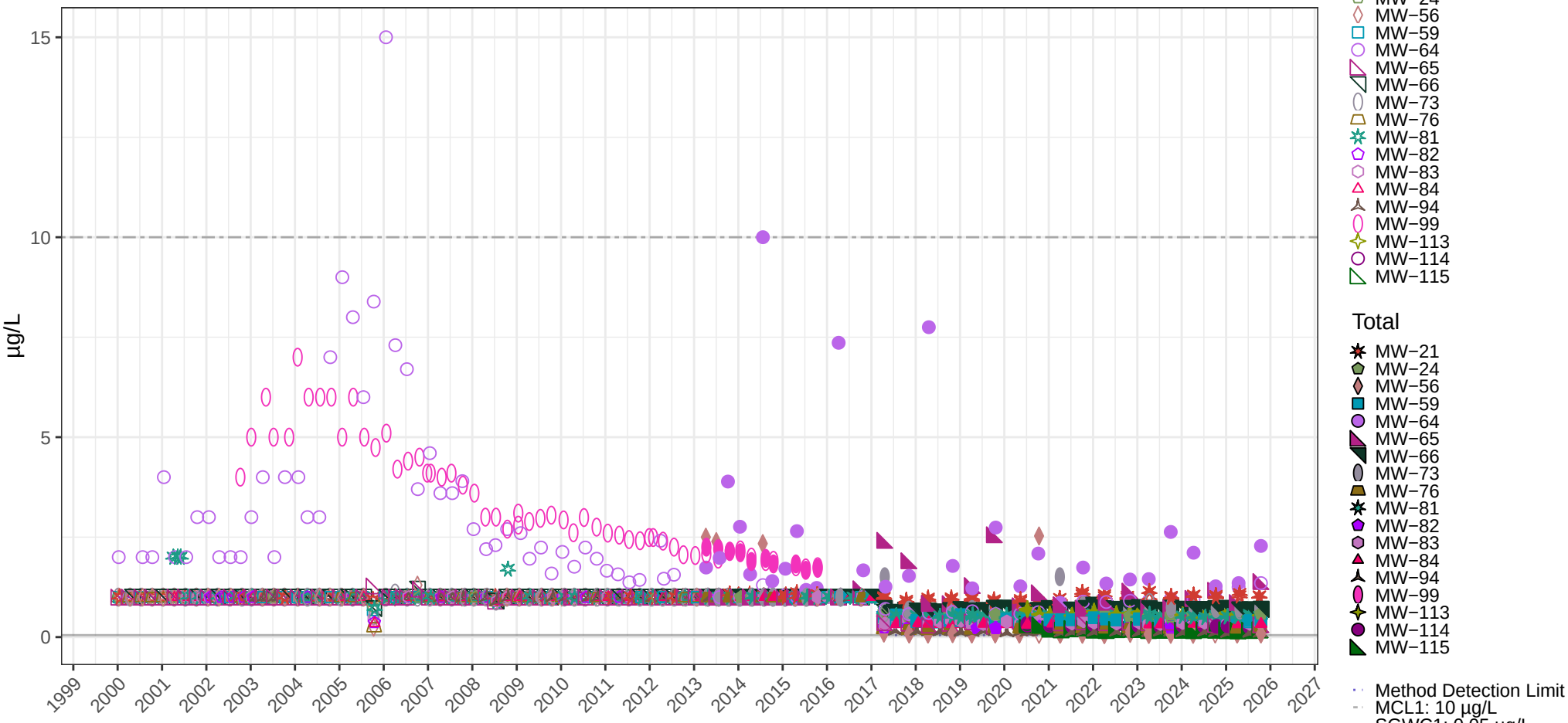
SGWC2: Washington State Secondary Groundwater Quality Criteria

Figure B−116A
Regional − Upgradient
pH, Field



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−117A
Regional − Upgradient
Arsenic



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−118A
Regional − Upgradient
Calcium

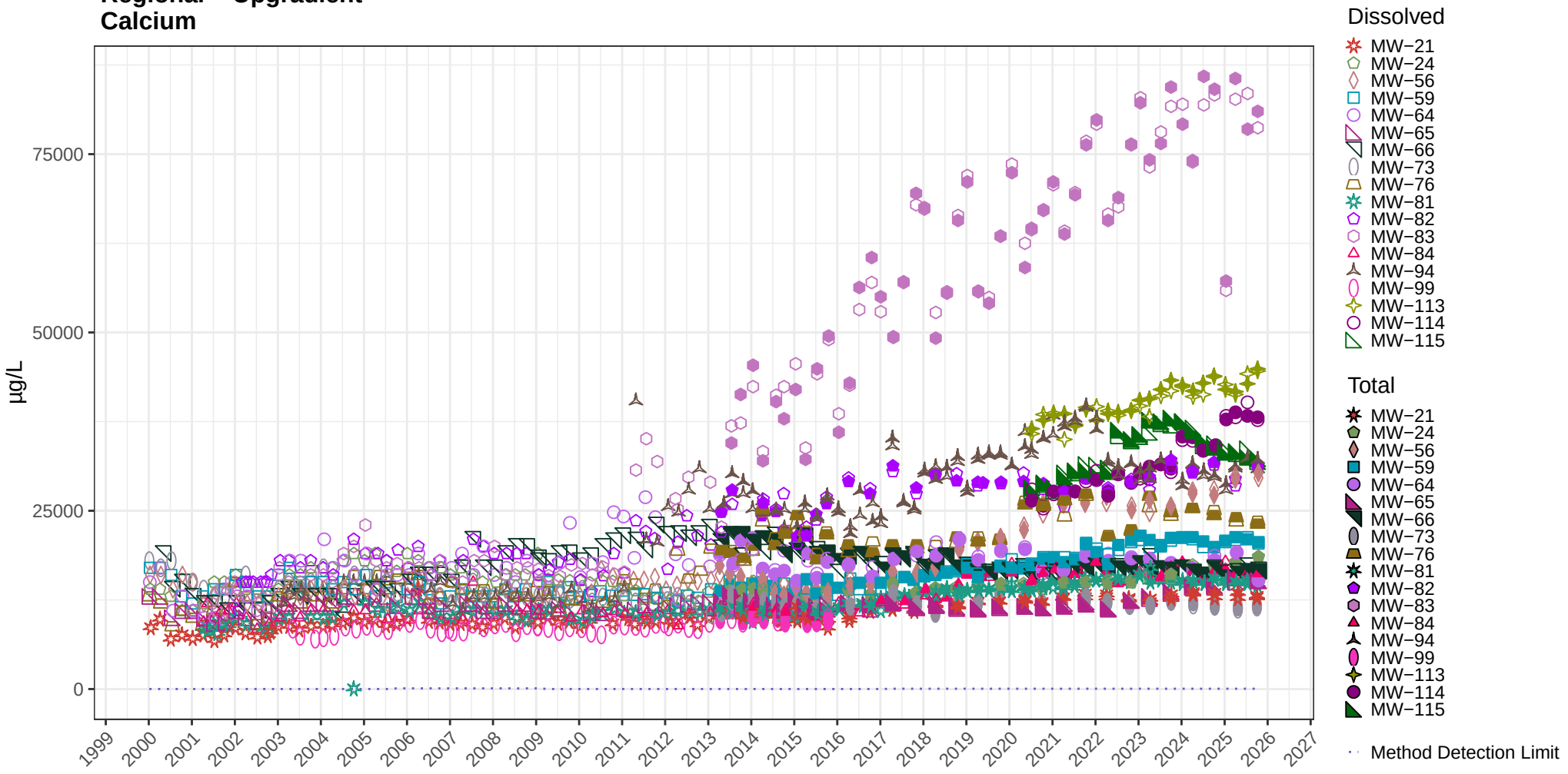
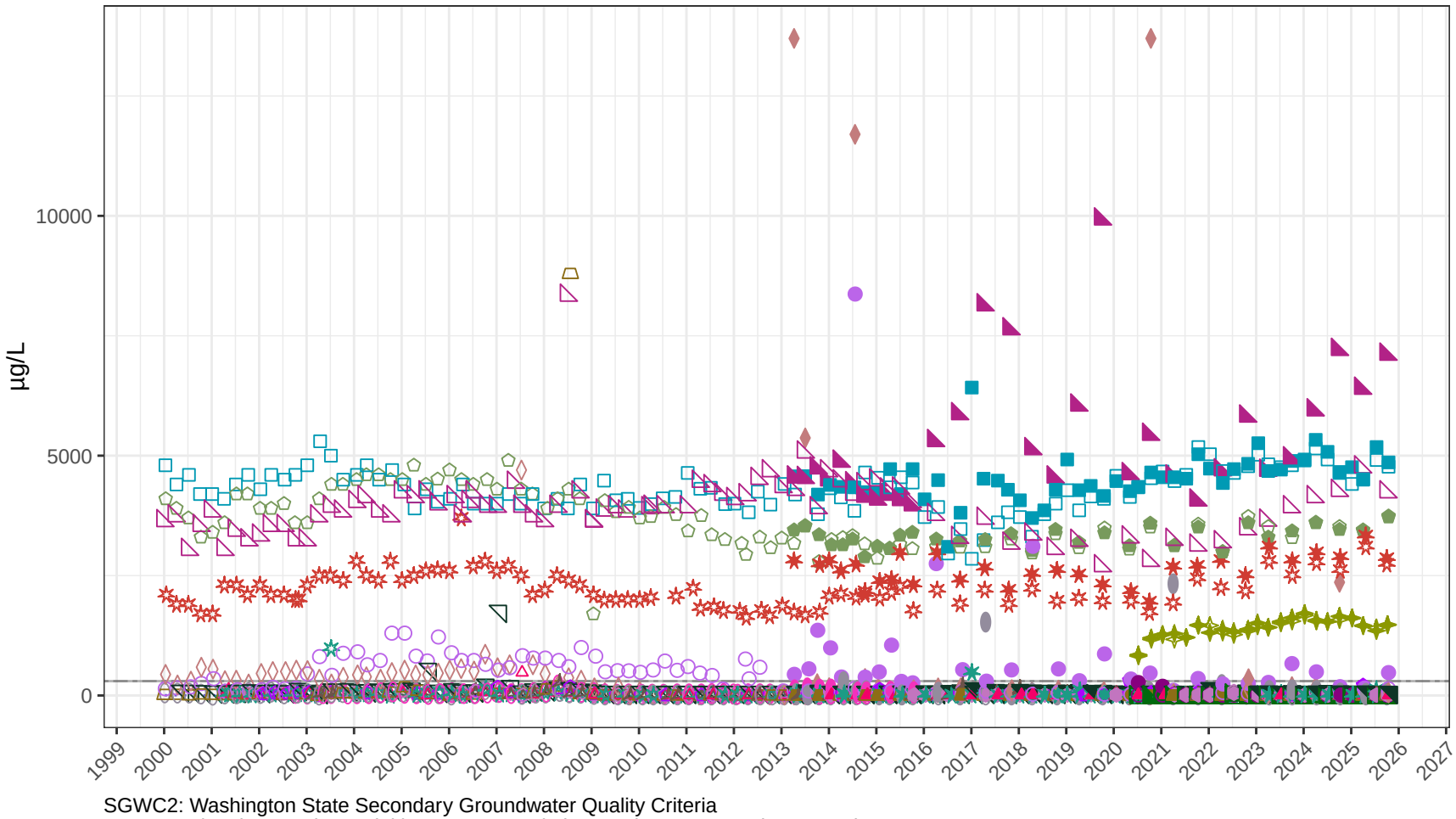


Figure B−119A
Regional − Upgradient
Iron



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−120A
Regional − Upgradient
Magnesium

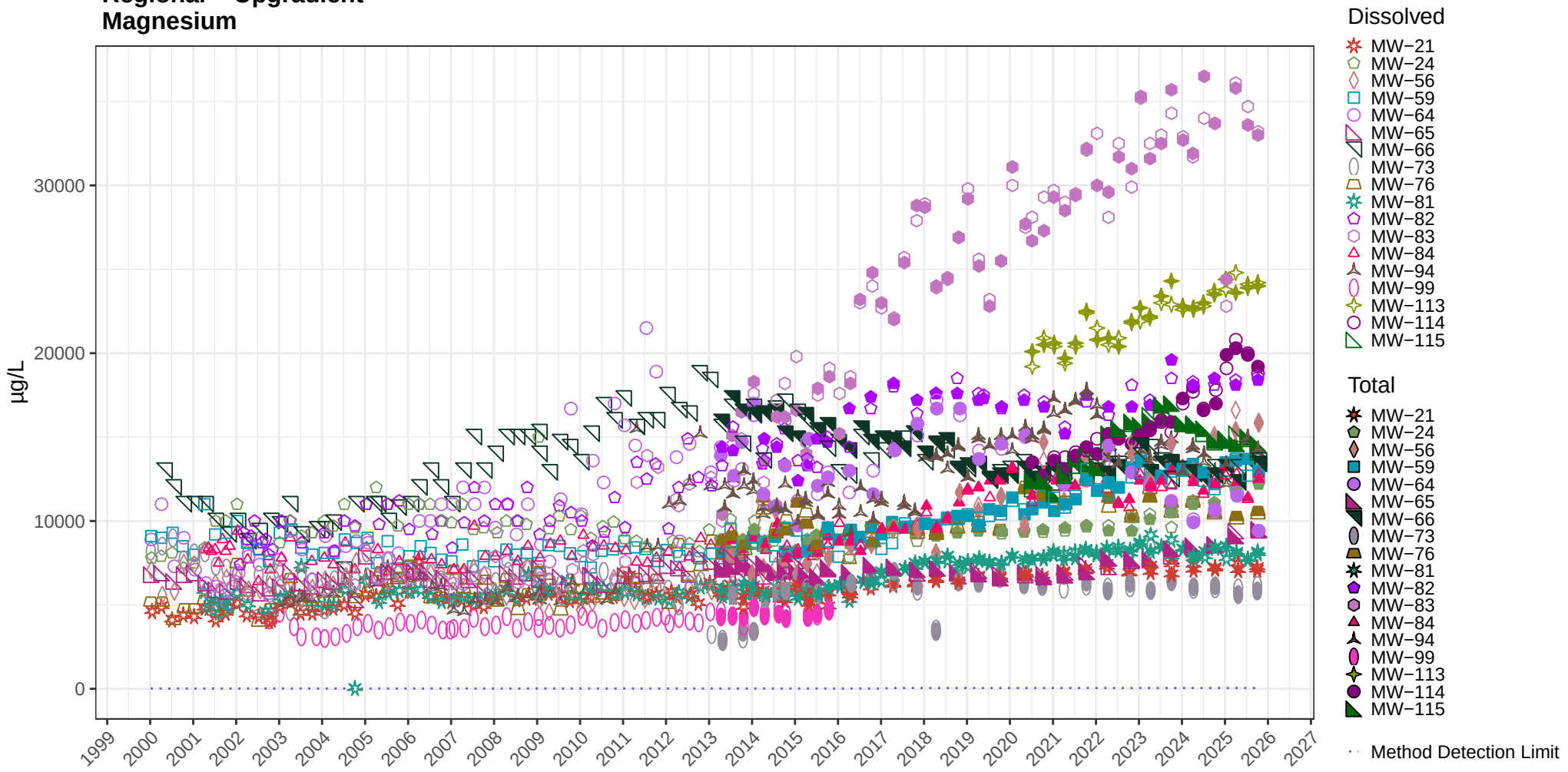
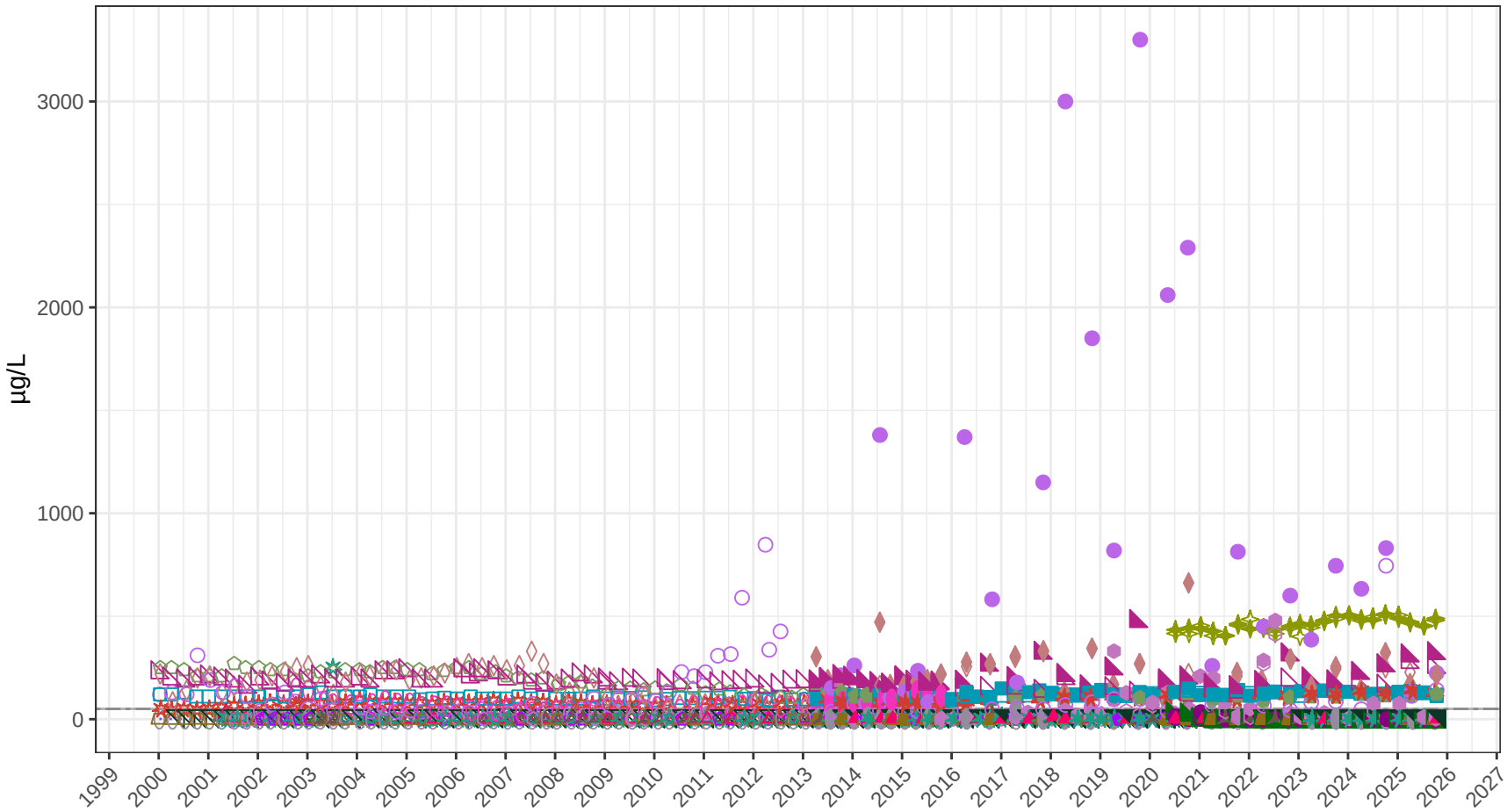


Figure B−121A
Regional − Upgradient
Manganese



Dissolved
- MW−21
- MW−24
- MW−56
- MW−59
- MW−64
- MW−65
- MW−66
- MW−73
- MW−76
- MW−81
- MW−82
- MW−83
- MW−84
- MW−94
- MW−99
- MW−113
- MW−114
- MW−115

- Method Detection Limit
- MCL2: 50 µg/L
- SGWC2: 50 µg/L

Total
- MW−21
- MW−24
- MW−56
- MW−59
- MW−64
- MW−65
- MW−66
- MW−73
- MW−76
- MW−81
- MW−82
- MW−83
- MW−84
- MW−94
- MW−99
- MW−113
- MW−114
- MW−115

SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−122A
Regional − Upgradient
Potassium

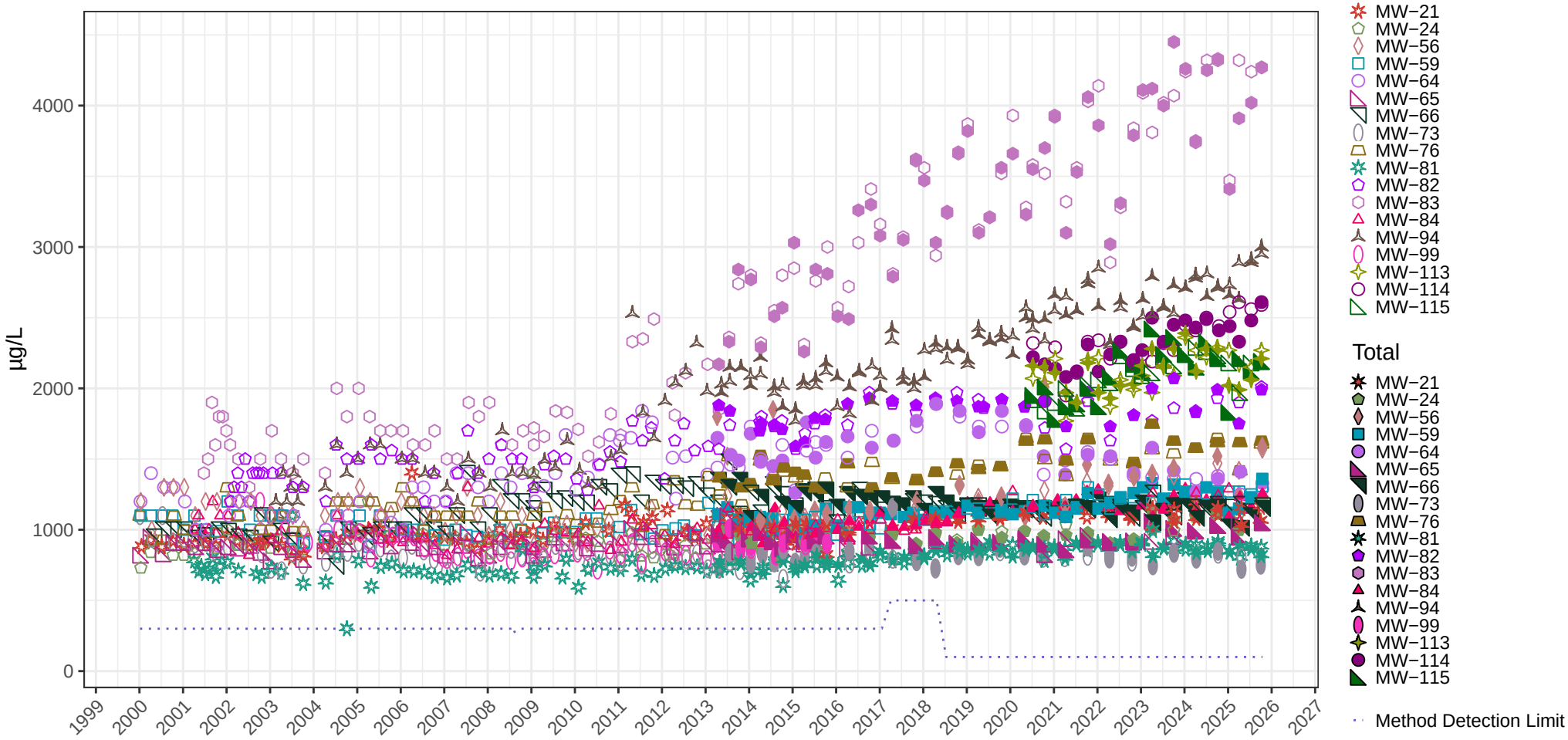
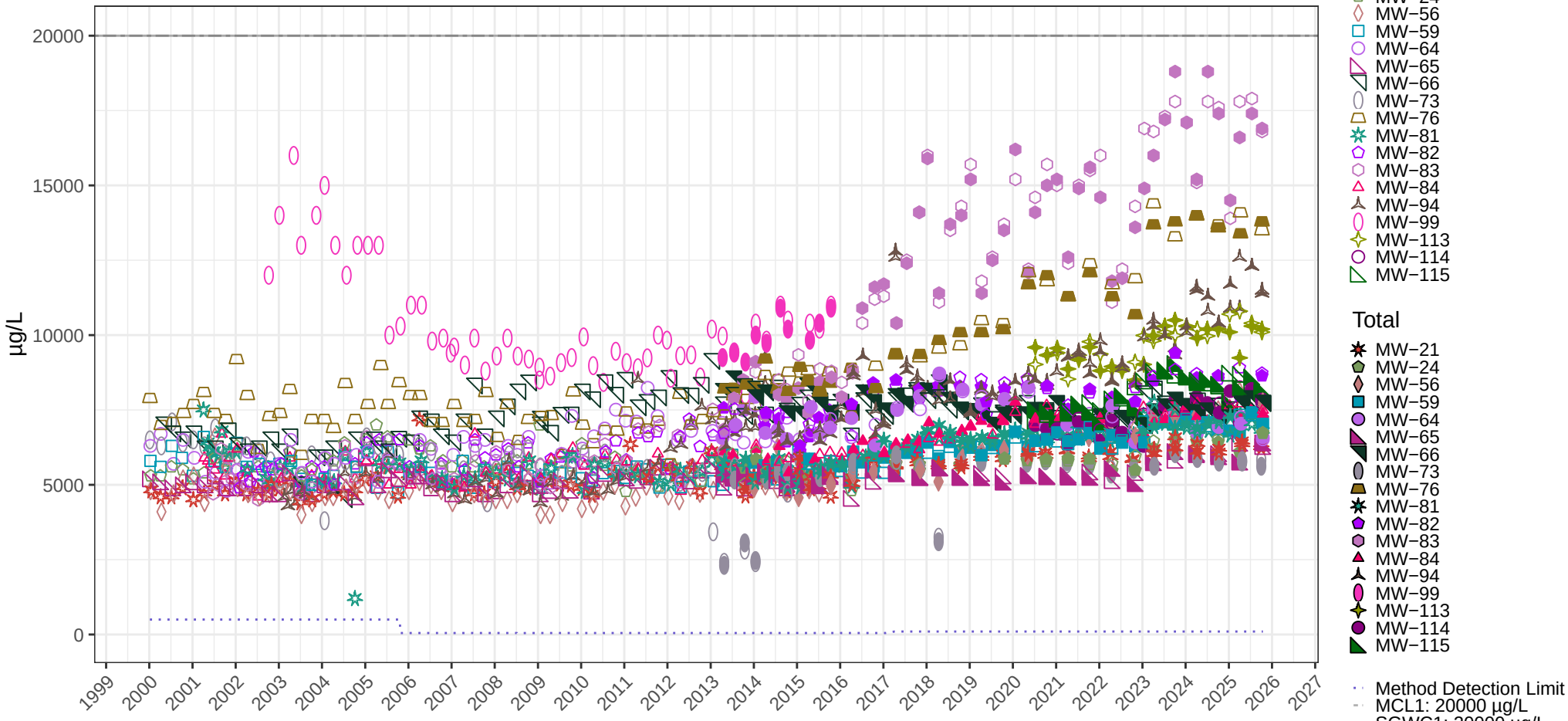
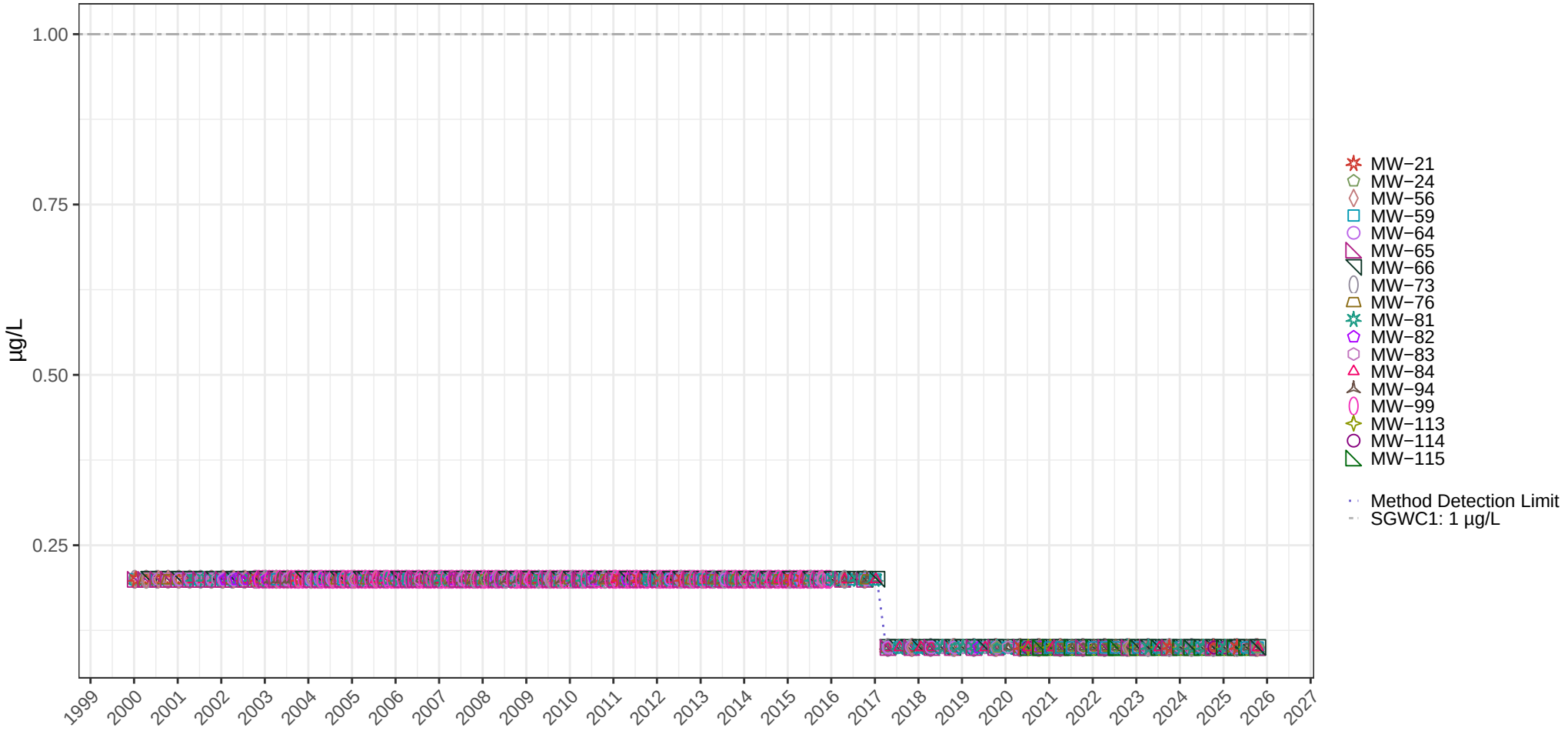


Figure B−123A
Regional − Upgradient
Sodium



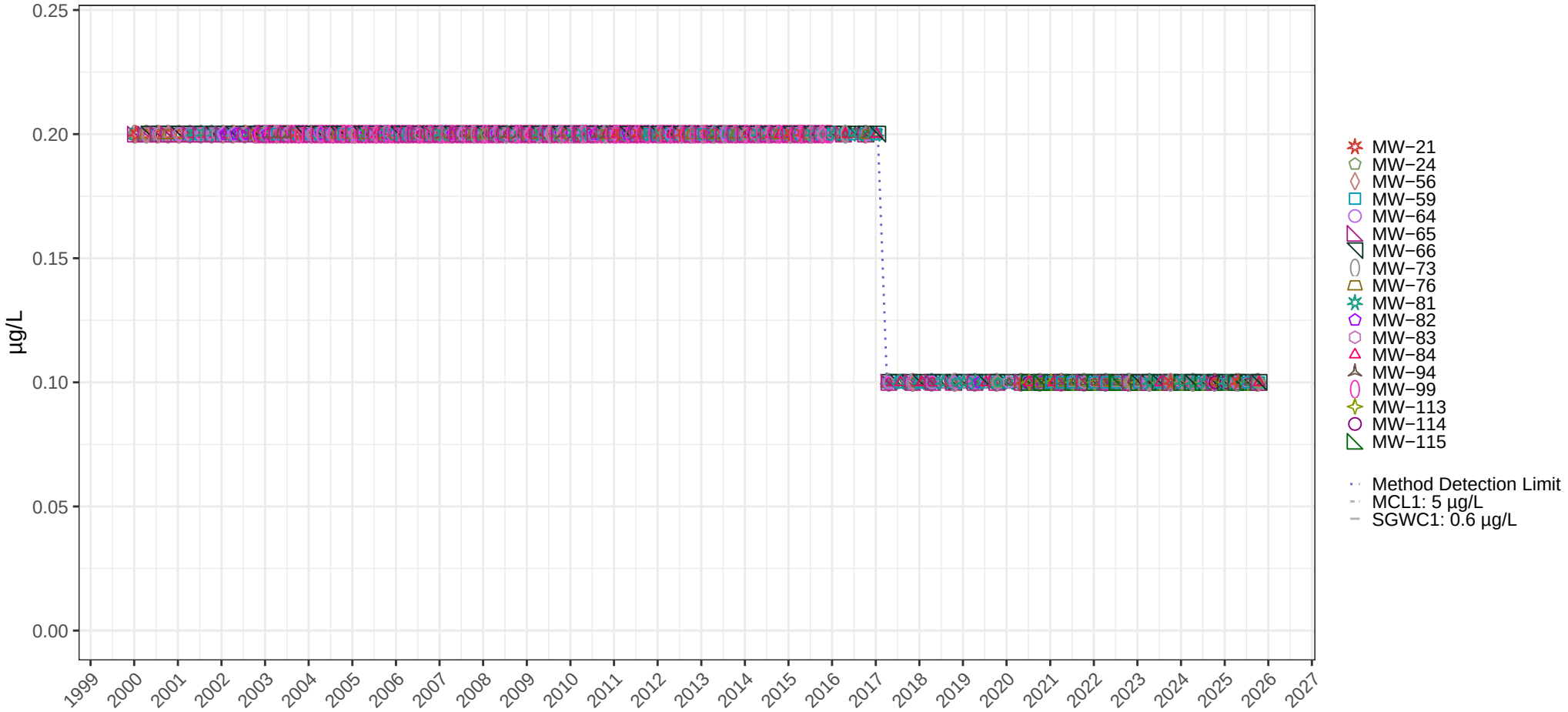
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−124A
Regional − Upgradient
1,1−Dichloroethane



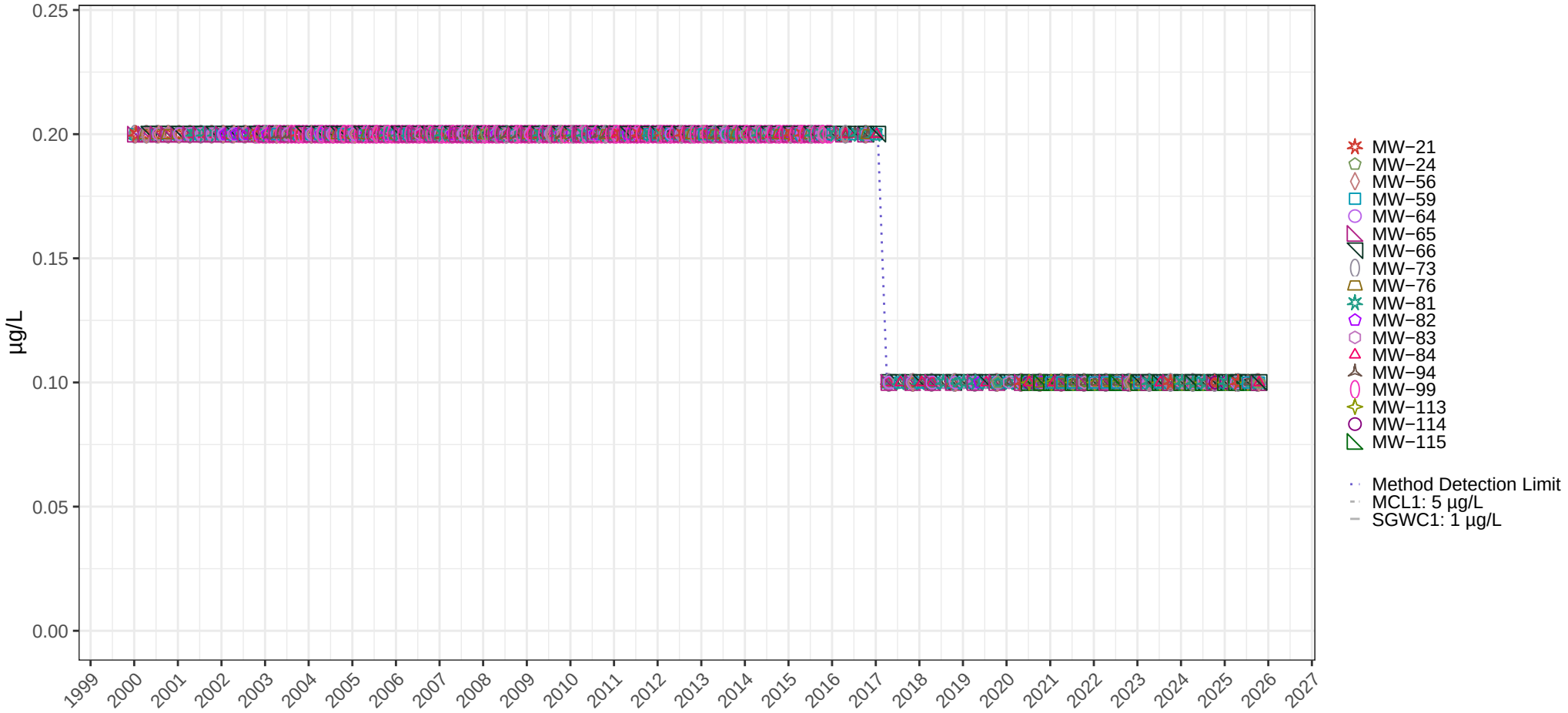
SGWC1: Washington State Primary Groundwater Quality Criteria

Figure B−125A
Regional − Upgradient
1,2−Dichloropropane



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−126A
Regional − Upgradient
Benzene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−127A
Regional − Upgradient
Chloroethane

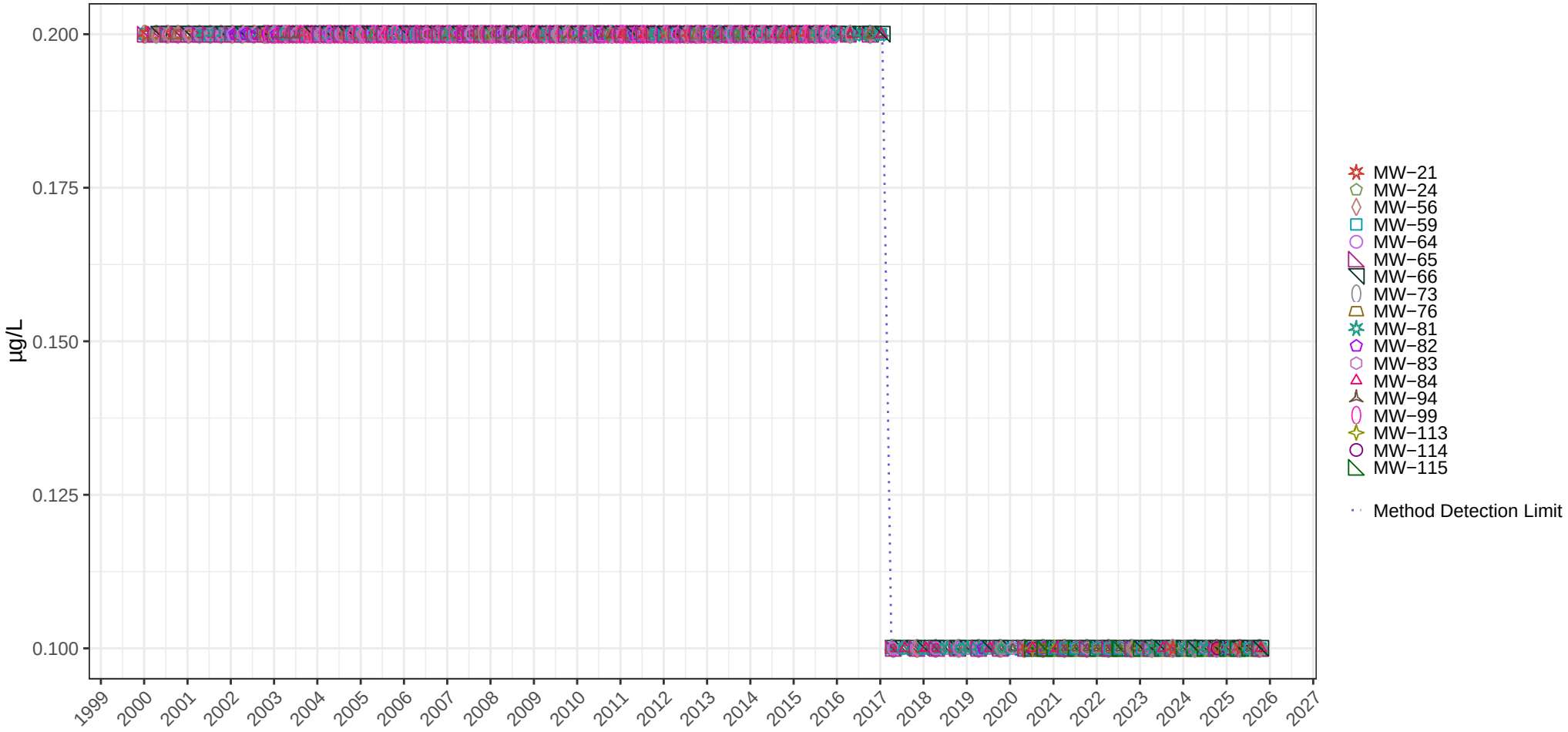
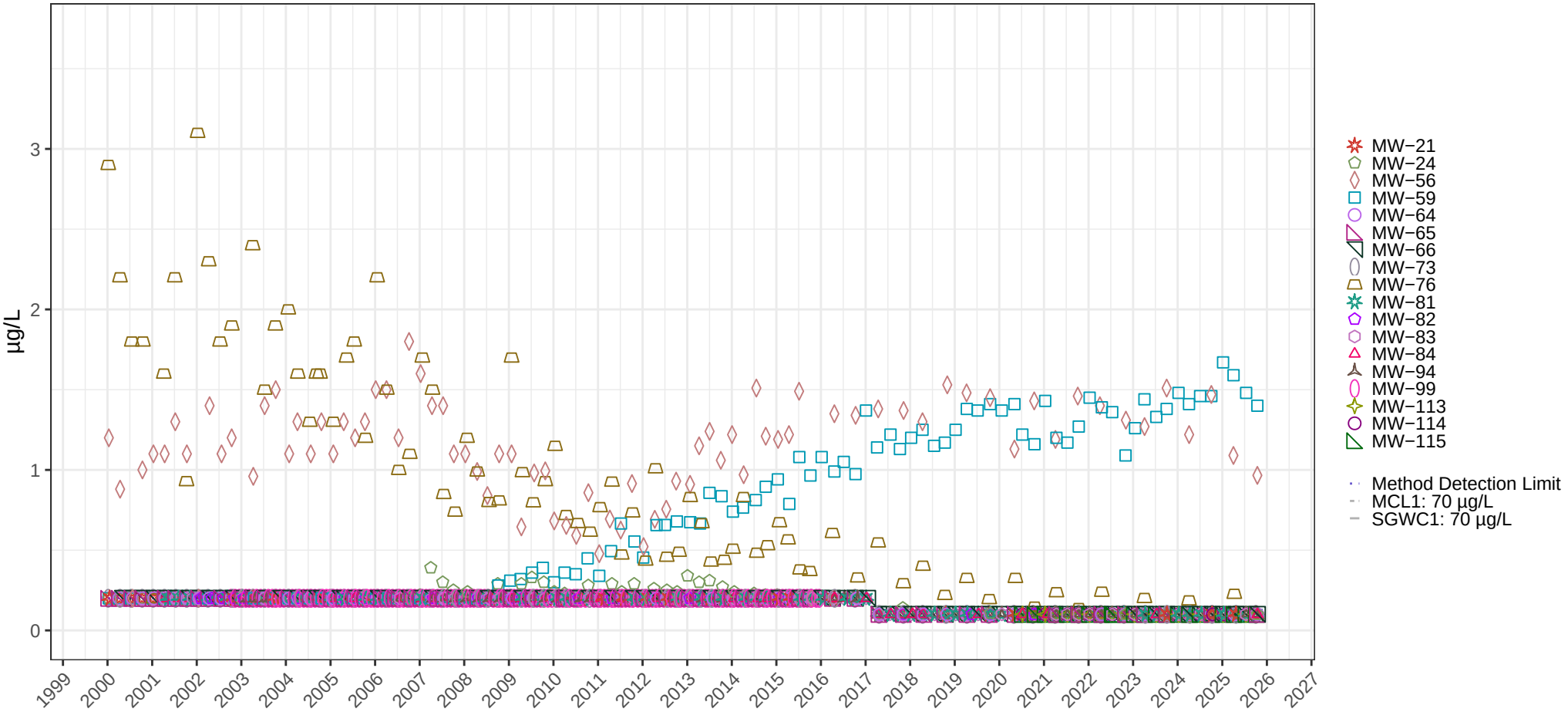


Figure B−128A
Regional − Upgradient
Cis−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−129A
Regional − Upgradient
Dichlorodifluoromethane

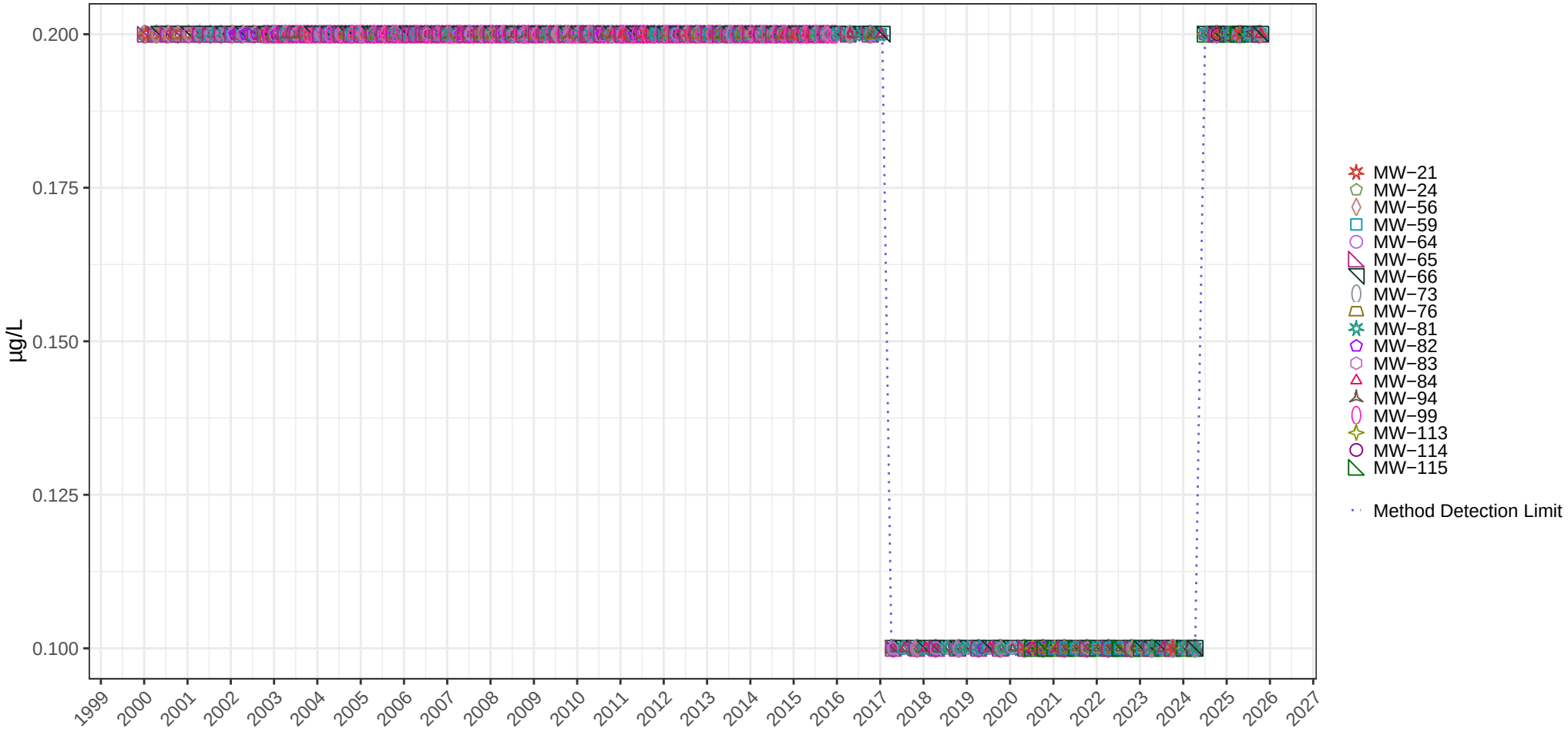
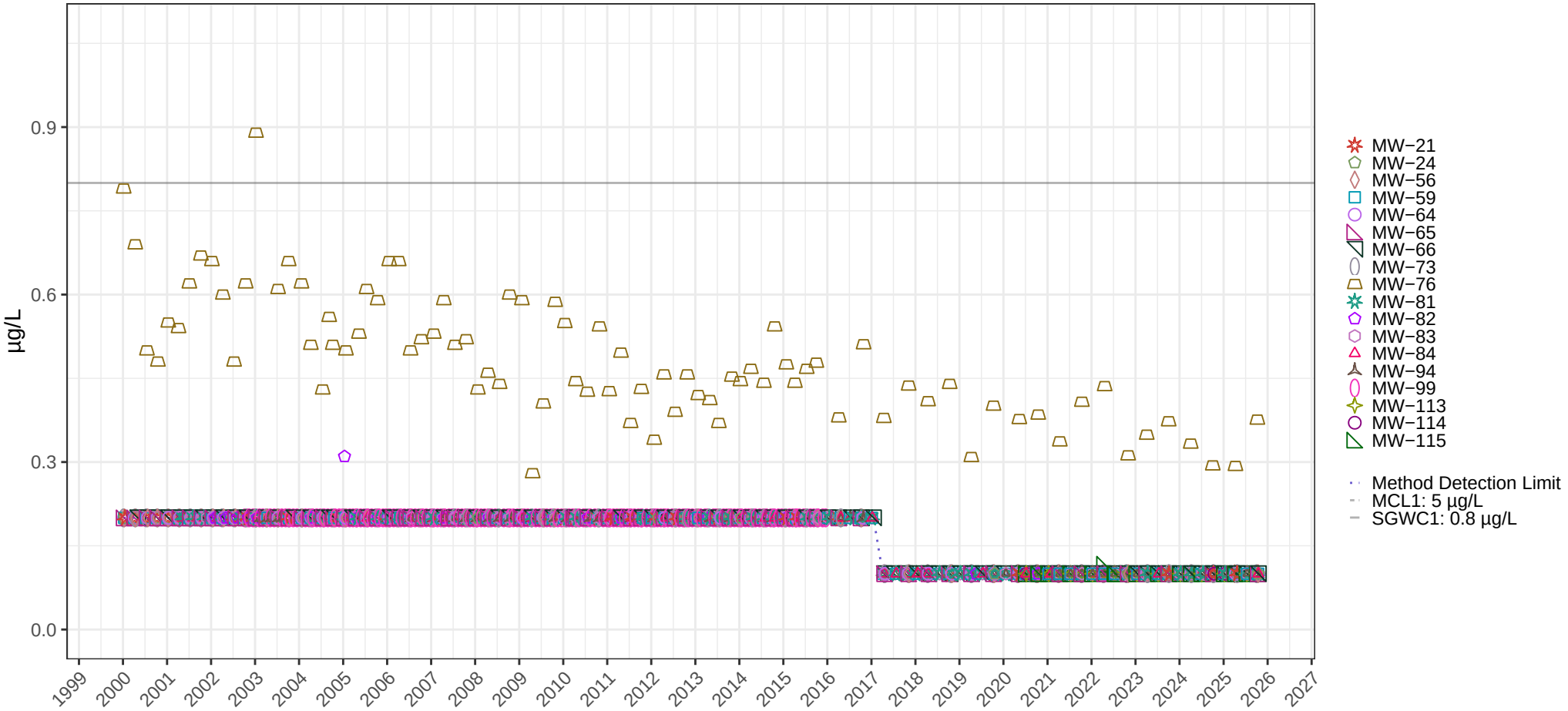
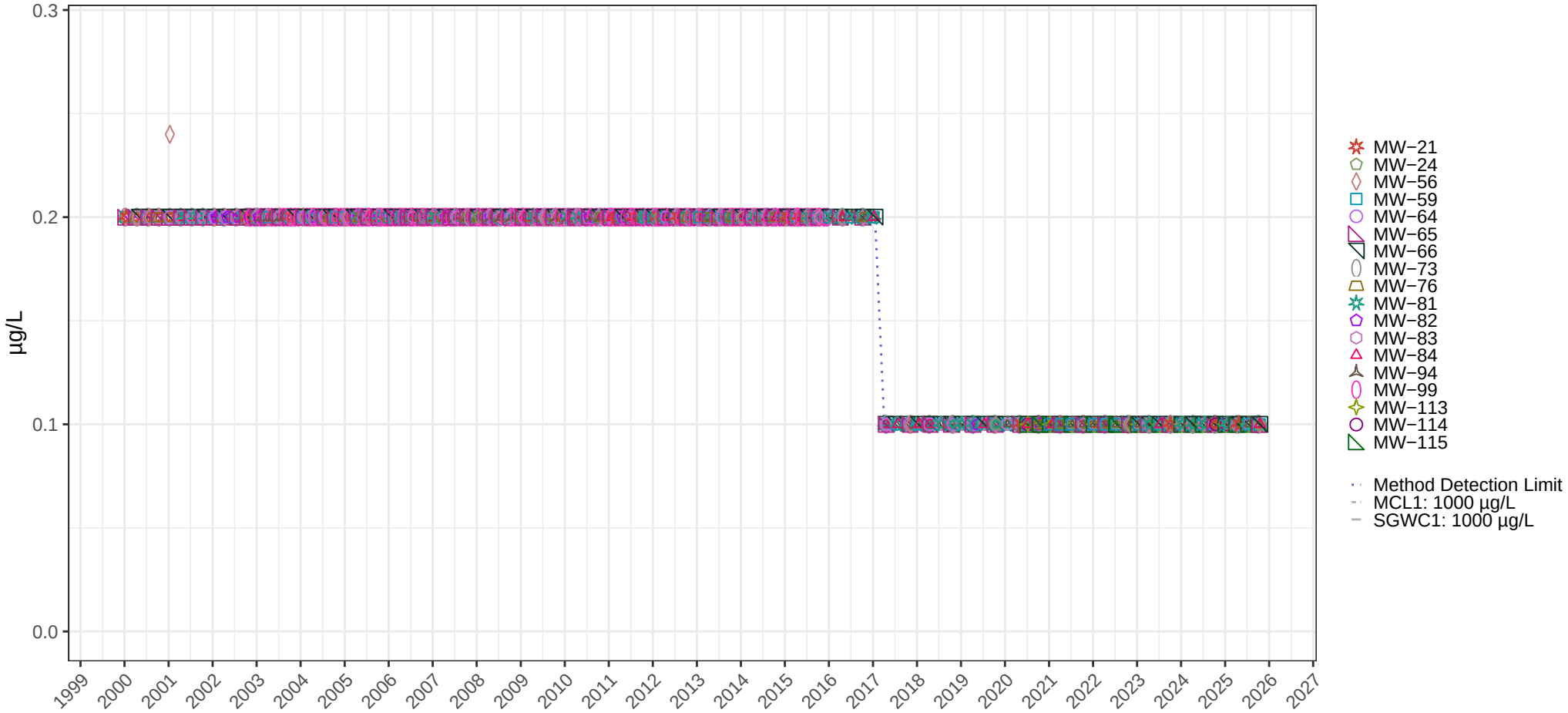


Figure B−130A
Regional − Upgradient
Tetrachloroethene



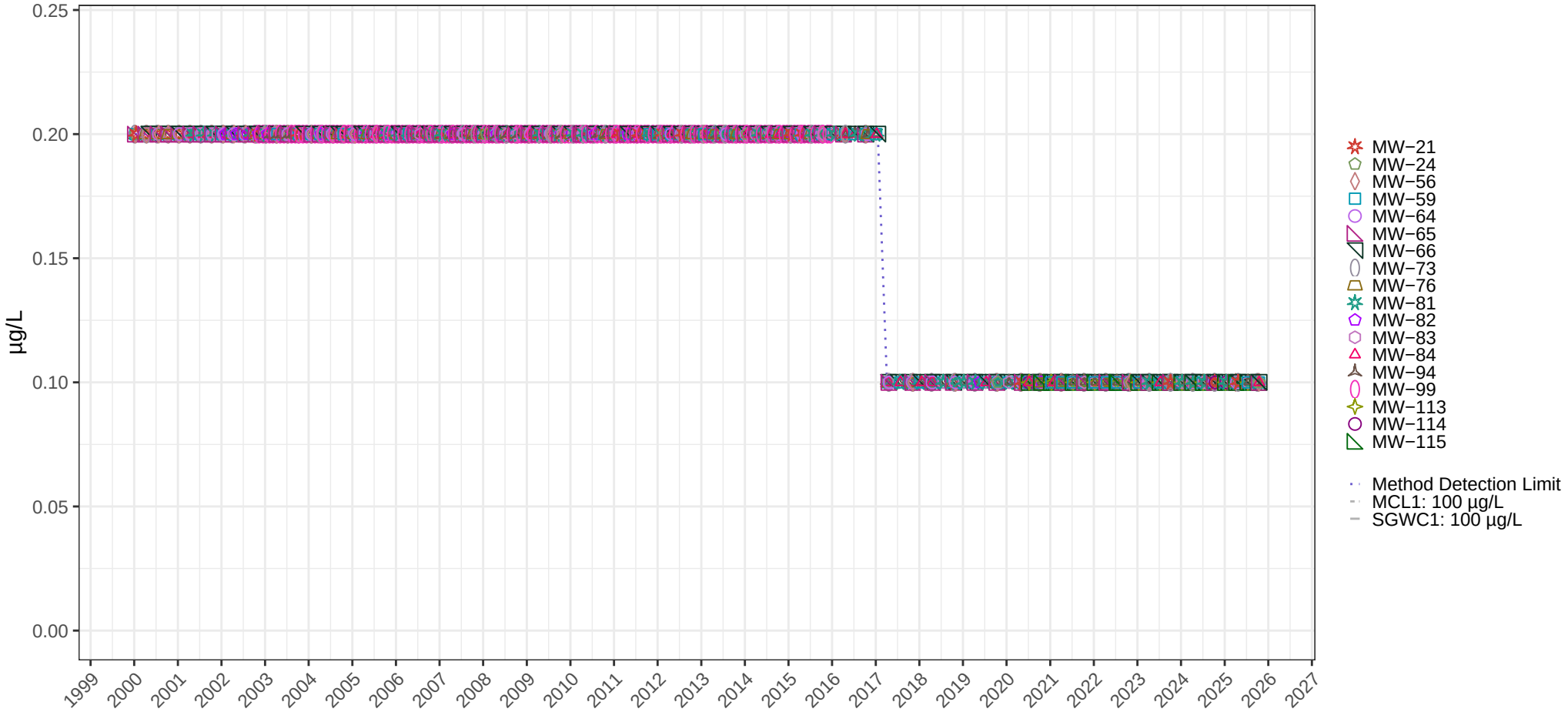
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−131A
Regional − Upgradient
Toluene



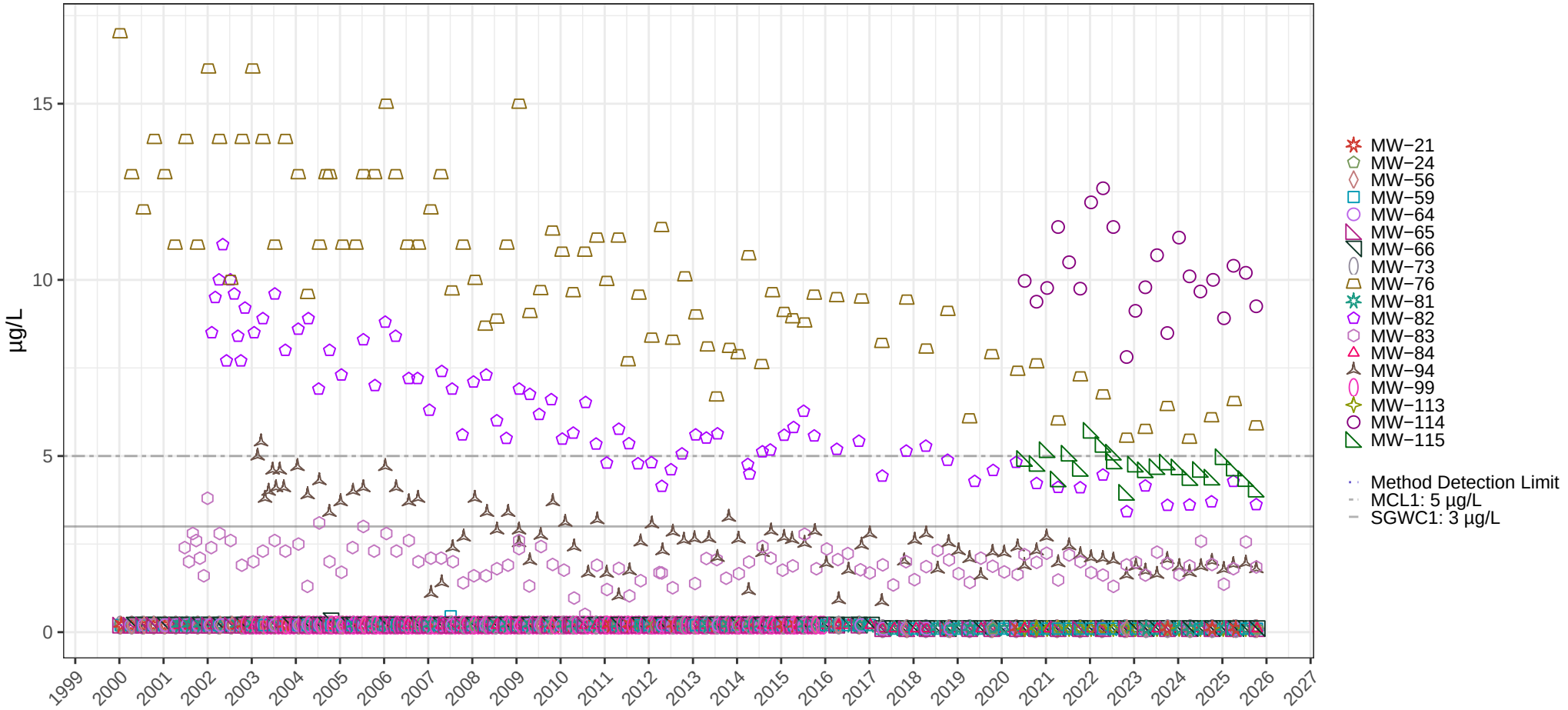
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−132A
Regional − Upgradient
Trans−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−133A
Regional − Upgradient
Trichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−134A
Regional − Upgradient
Trichlorofluoromethane

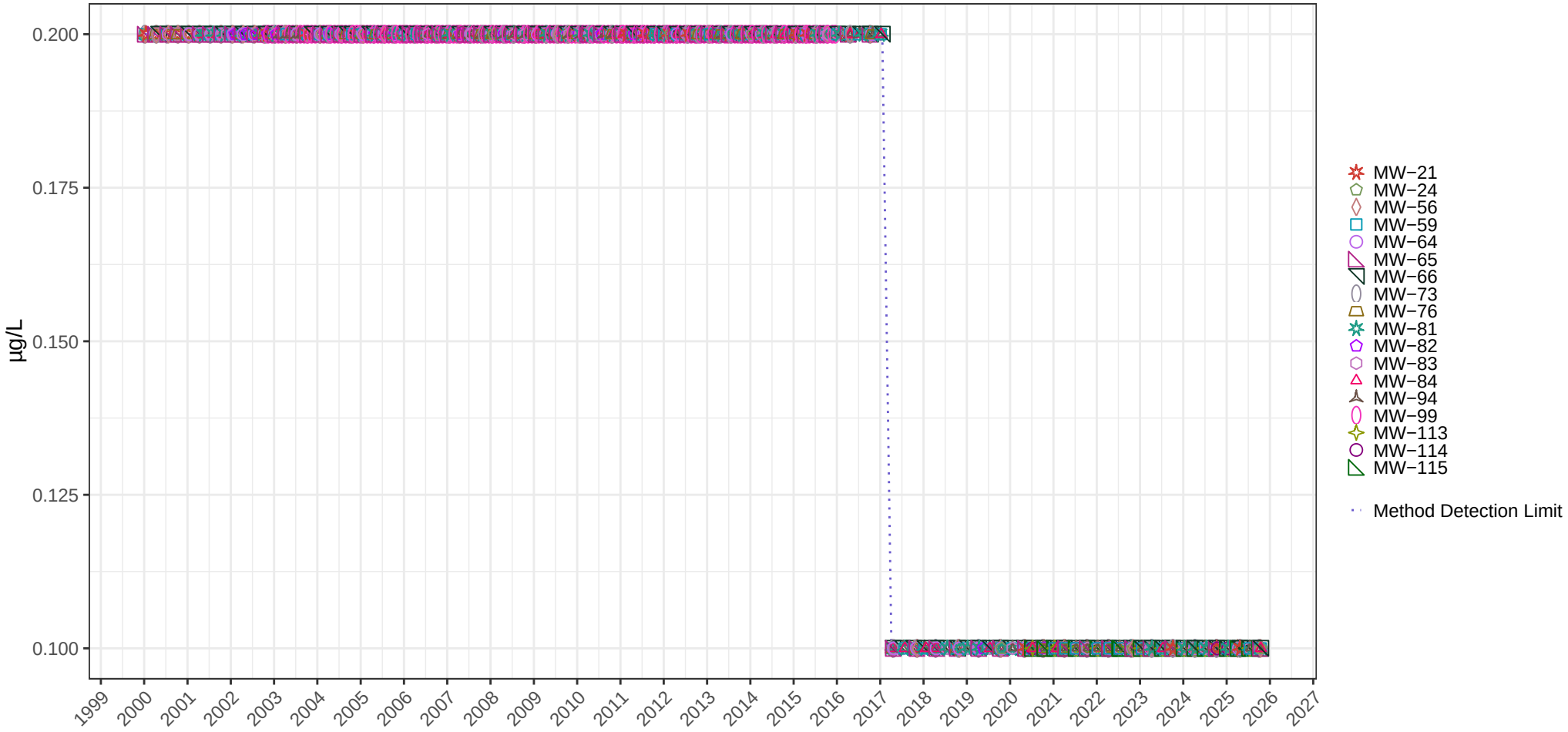
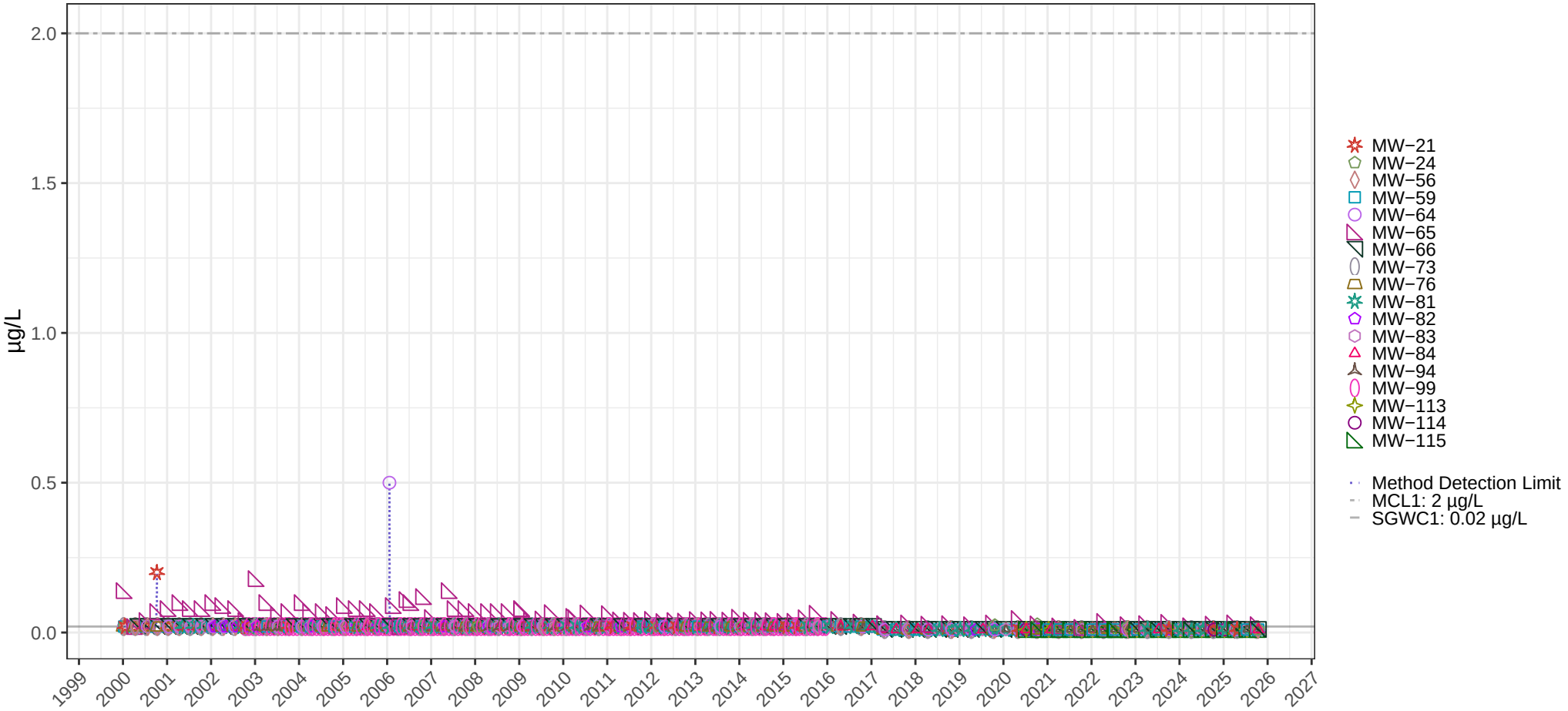


Figure B−135A
Regional − Upgradient
Vinyl Chloride



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−136B
Regional − Upgradient
Alkalinity, Total (as CaCO3)

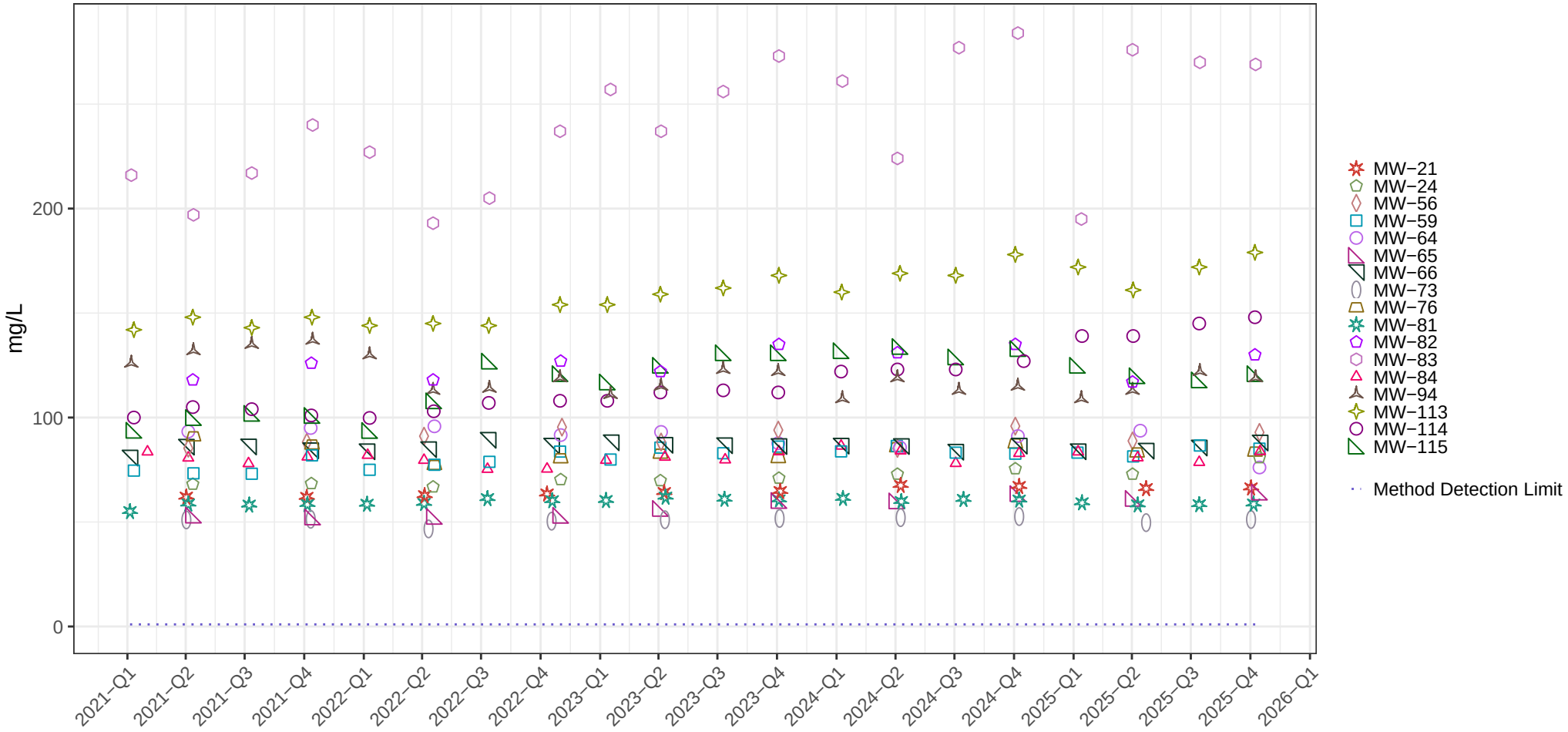


Figure B−137B
Regional − Upgradient
Ammonia As N

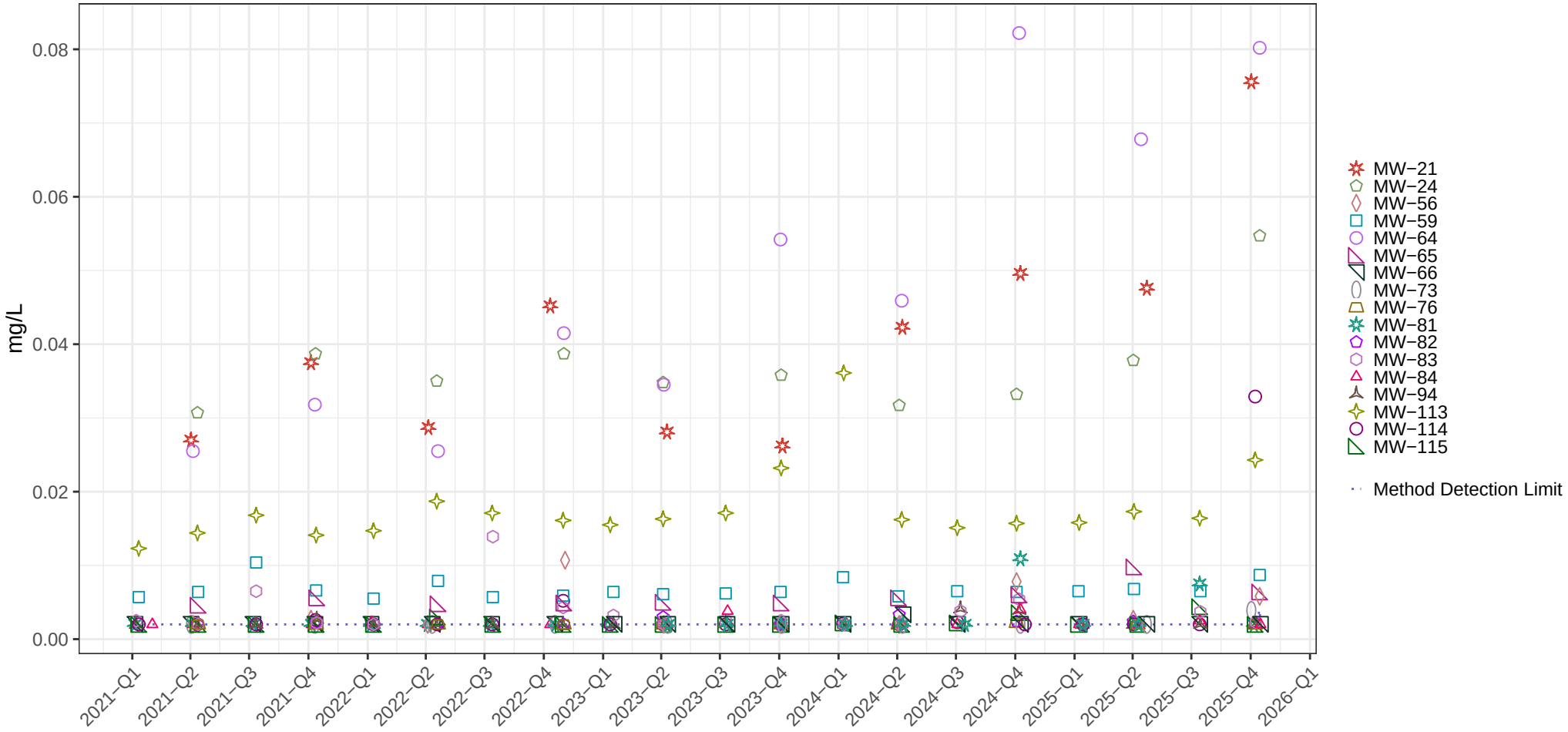
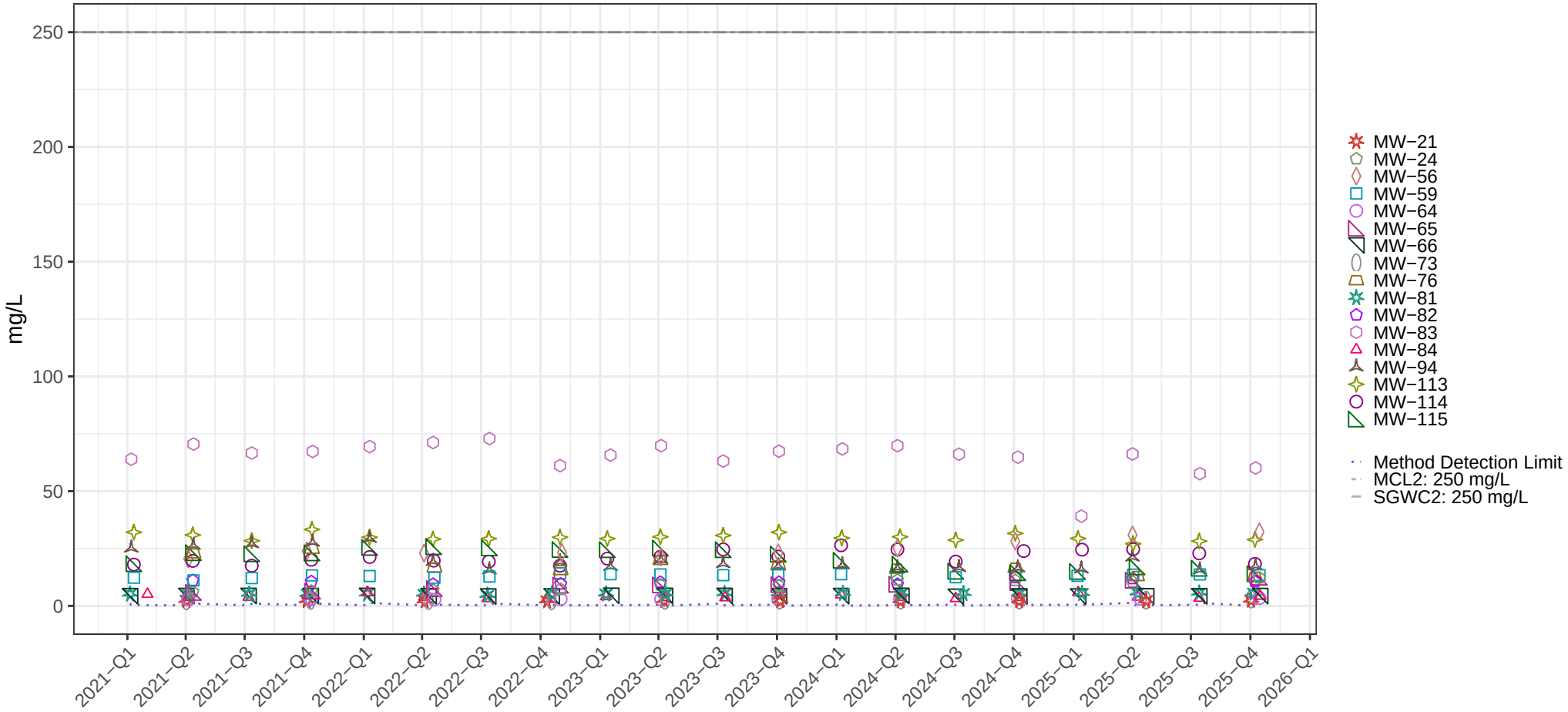
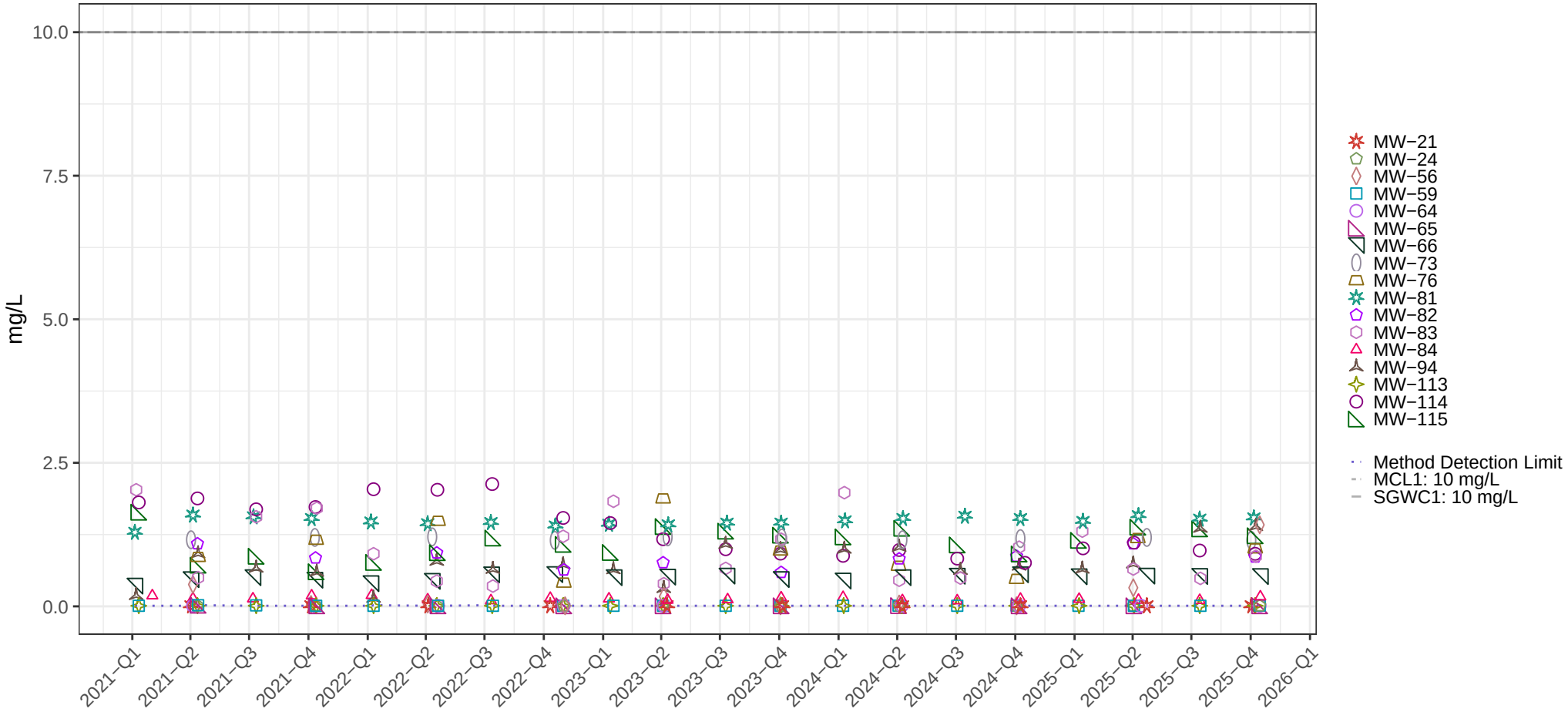


Figure B−138B
Regional − Upgradient
Chloride



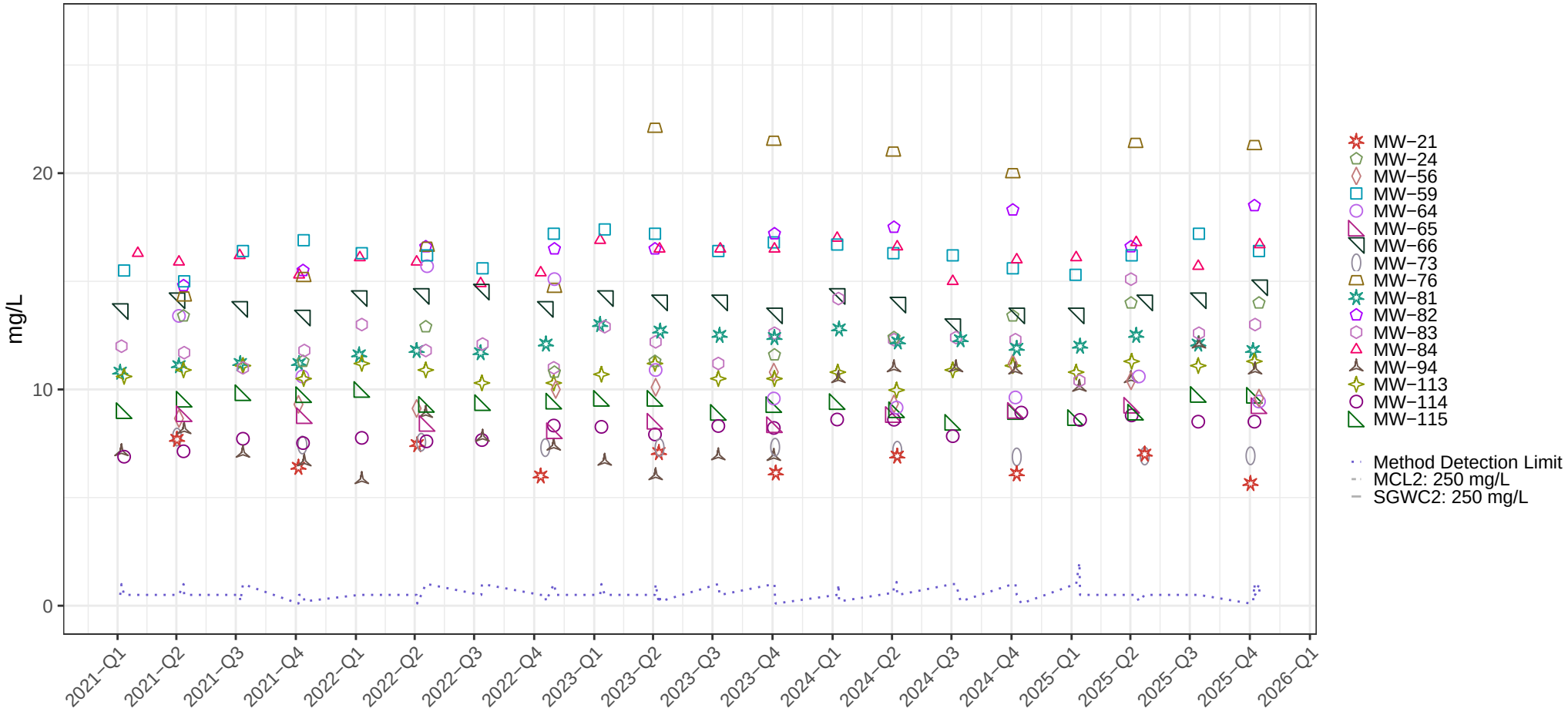
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−139B
Regional − Upgradient
Nitrate



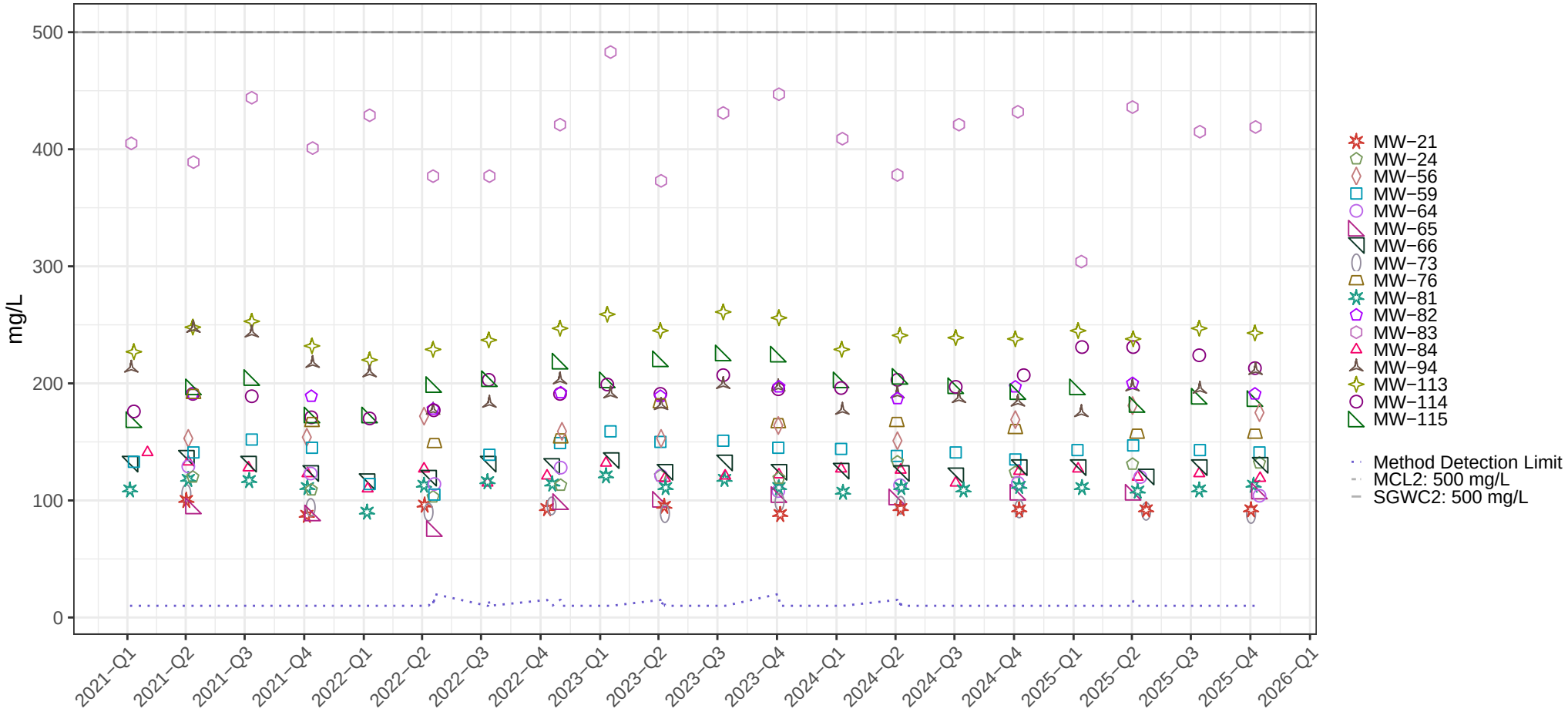
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−140B
Regional − Upgradient
Sulfate



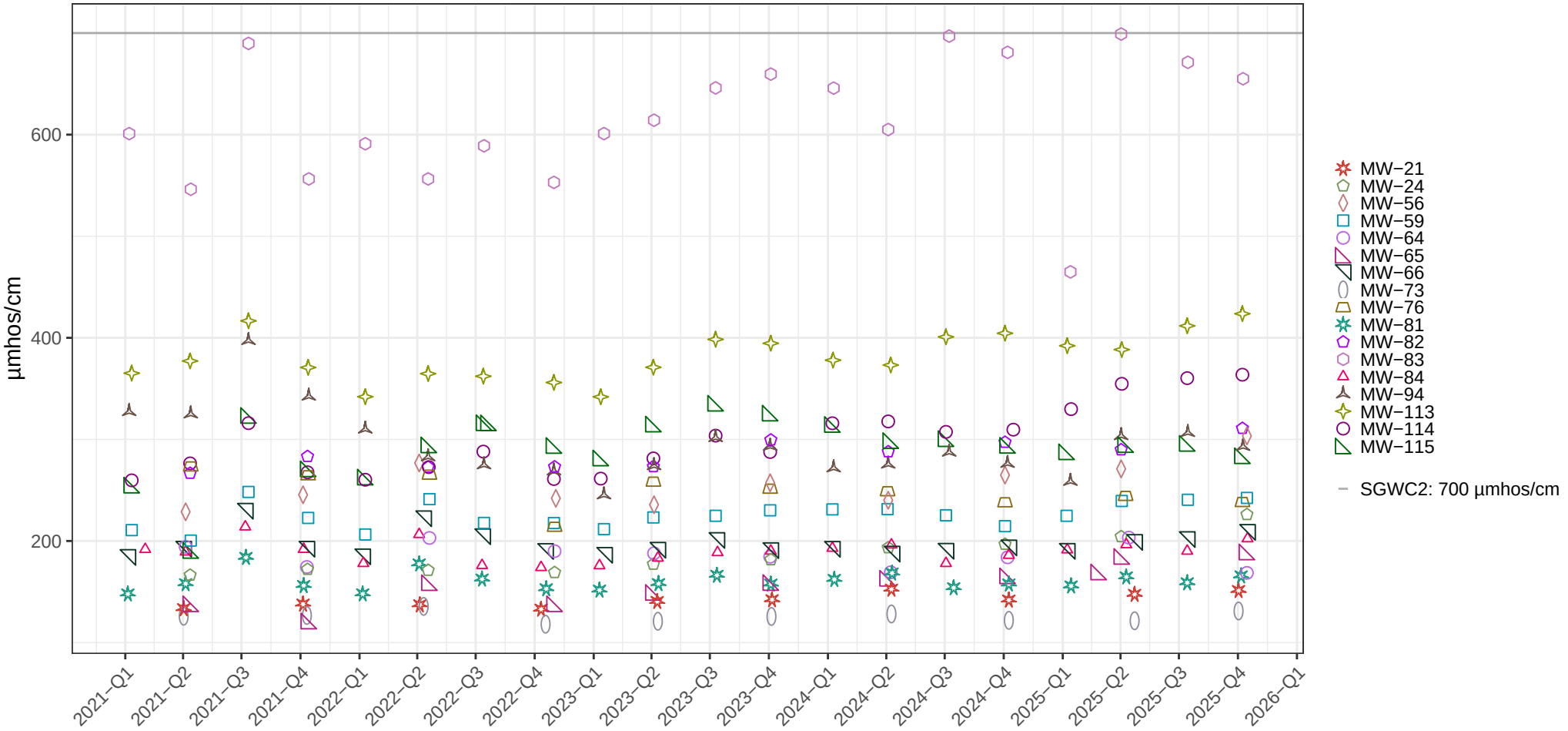
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−141B
Regional − Upgradient
Total Dissolved Solids



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−142B
Regional − Upgradient
Specific Conductivity, Field



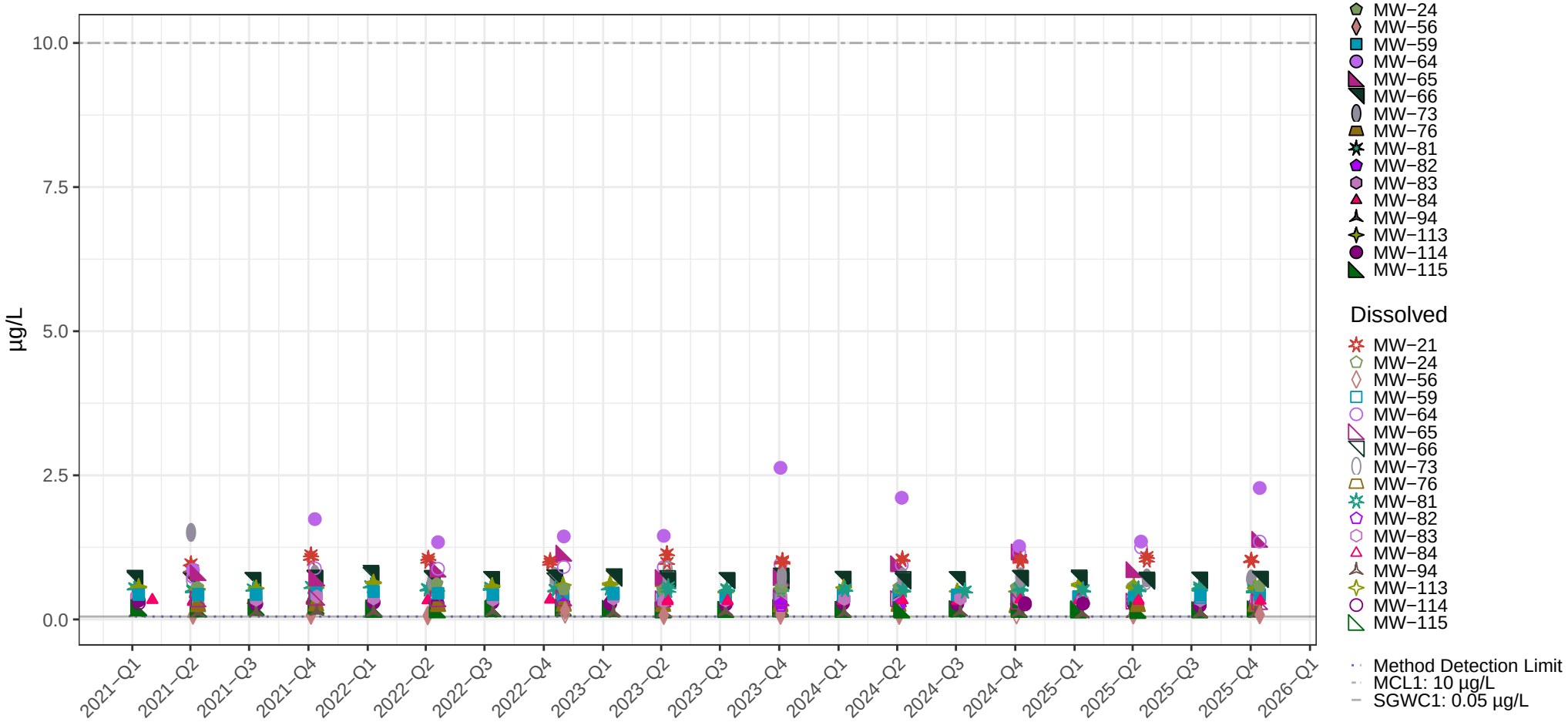
SGWC2: Washington State Secondary Groundwater Quality Criteria

Figure B−143B
Regional − Upgradient
pH, Field



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−144B
Regional − Upgradient
Arsenic



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−145B
Regional − Upgradient
Calcium

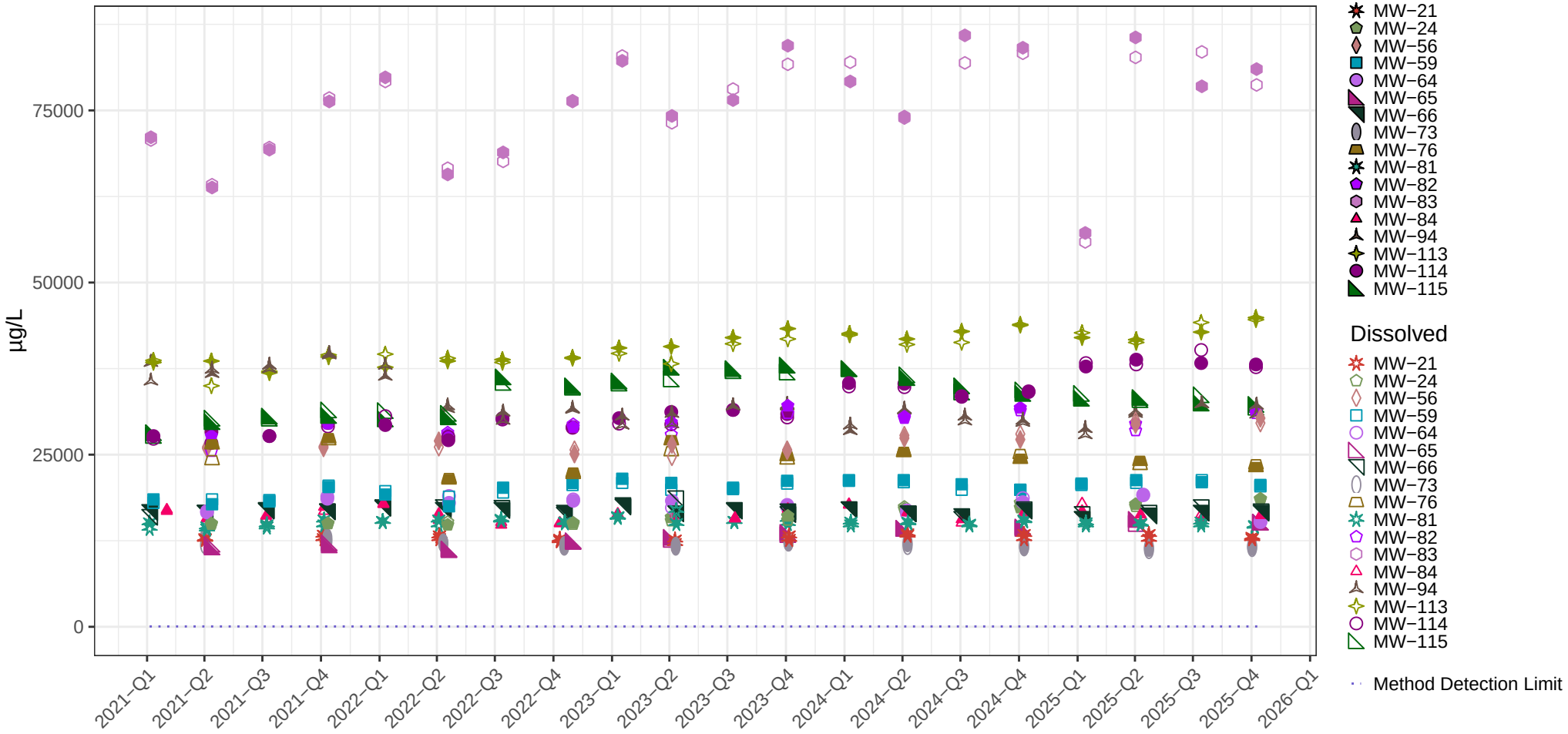
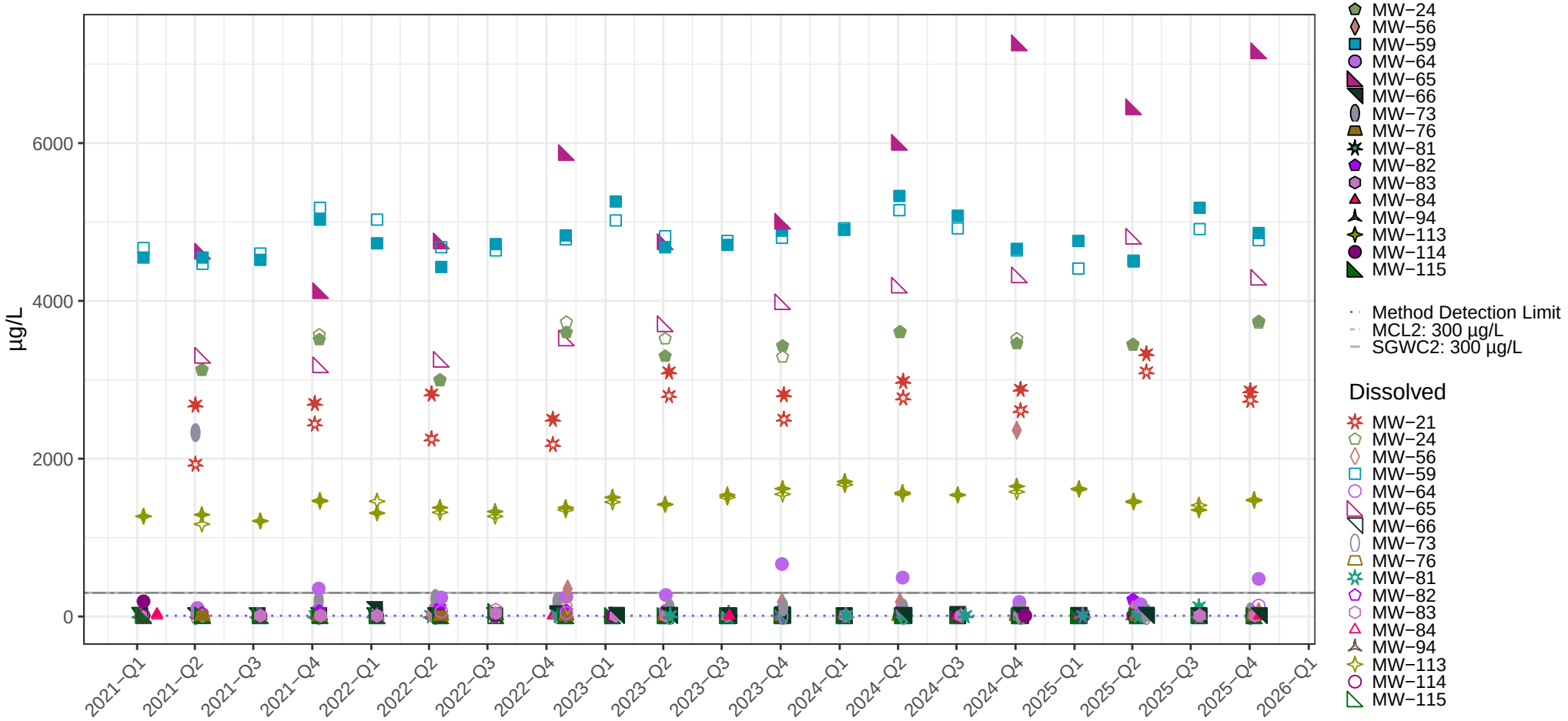


Figure B−146B
Regional − Upgradient
Iron



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−147B
Regional − Upgradient
Magnesium

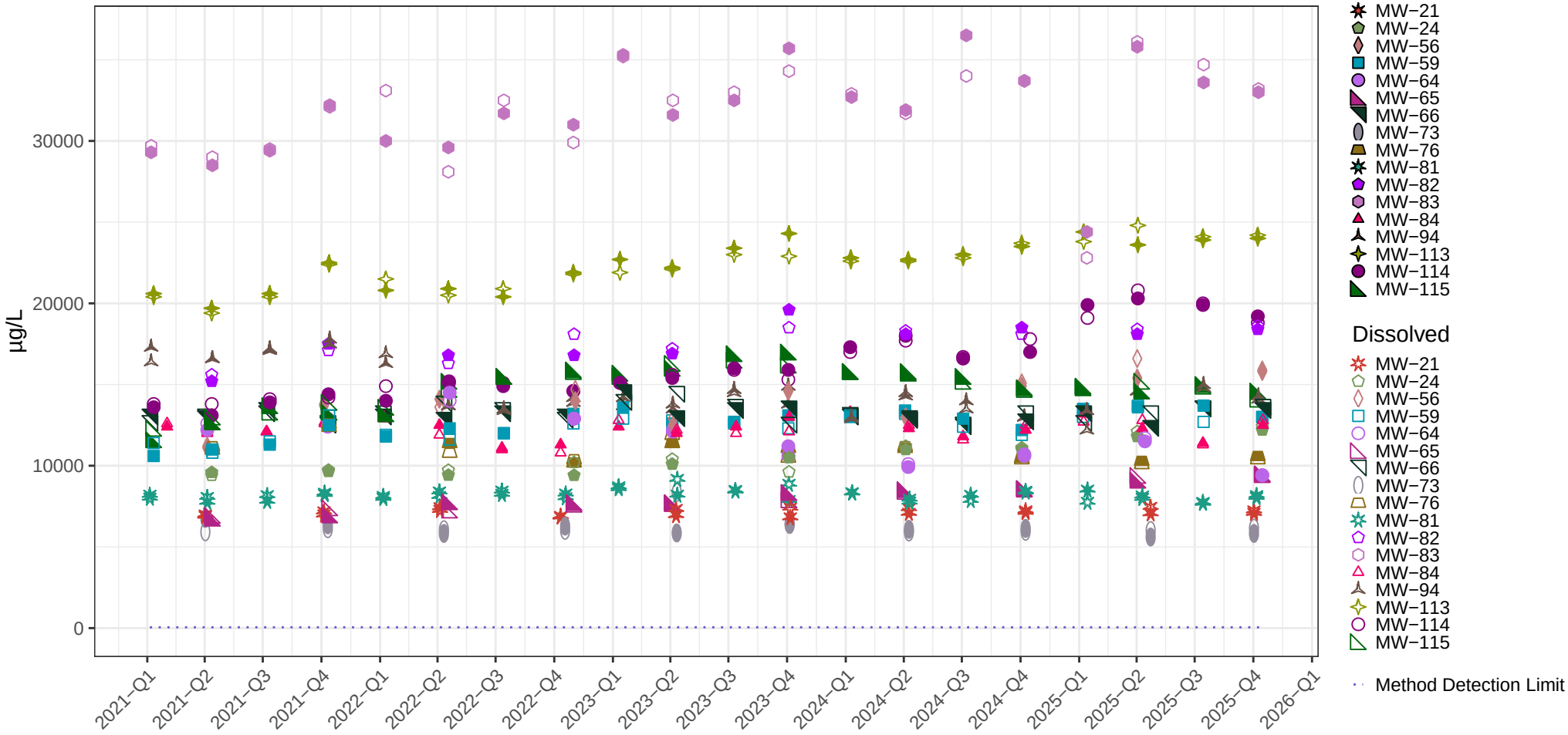
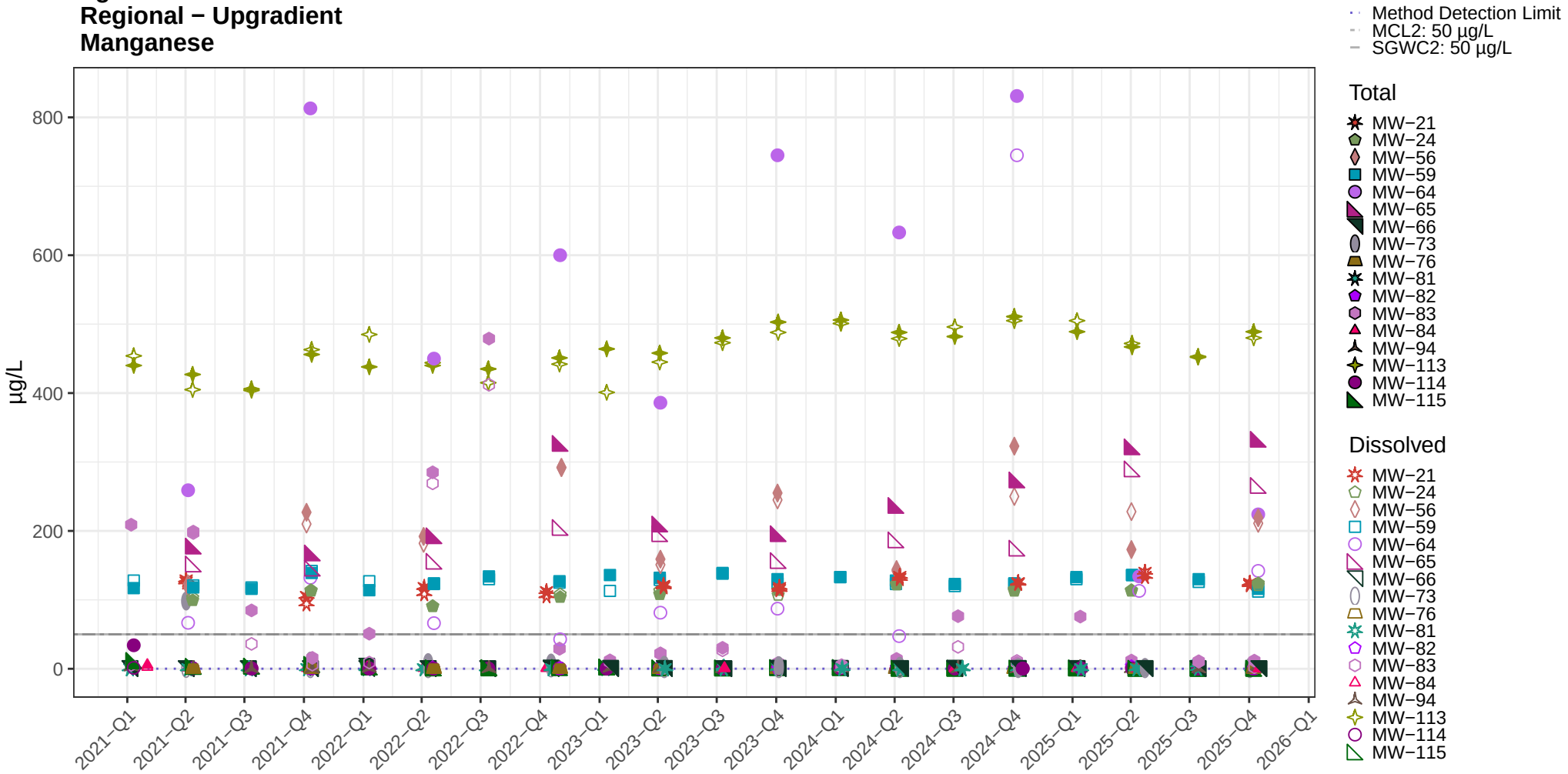


Figure B−148B
Regional − Upgradient
Manganese



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−149B
Regional − Upgradient
Potassium

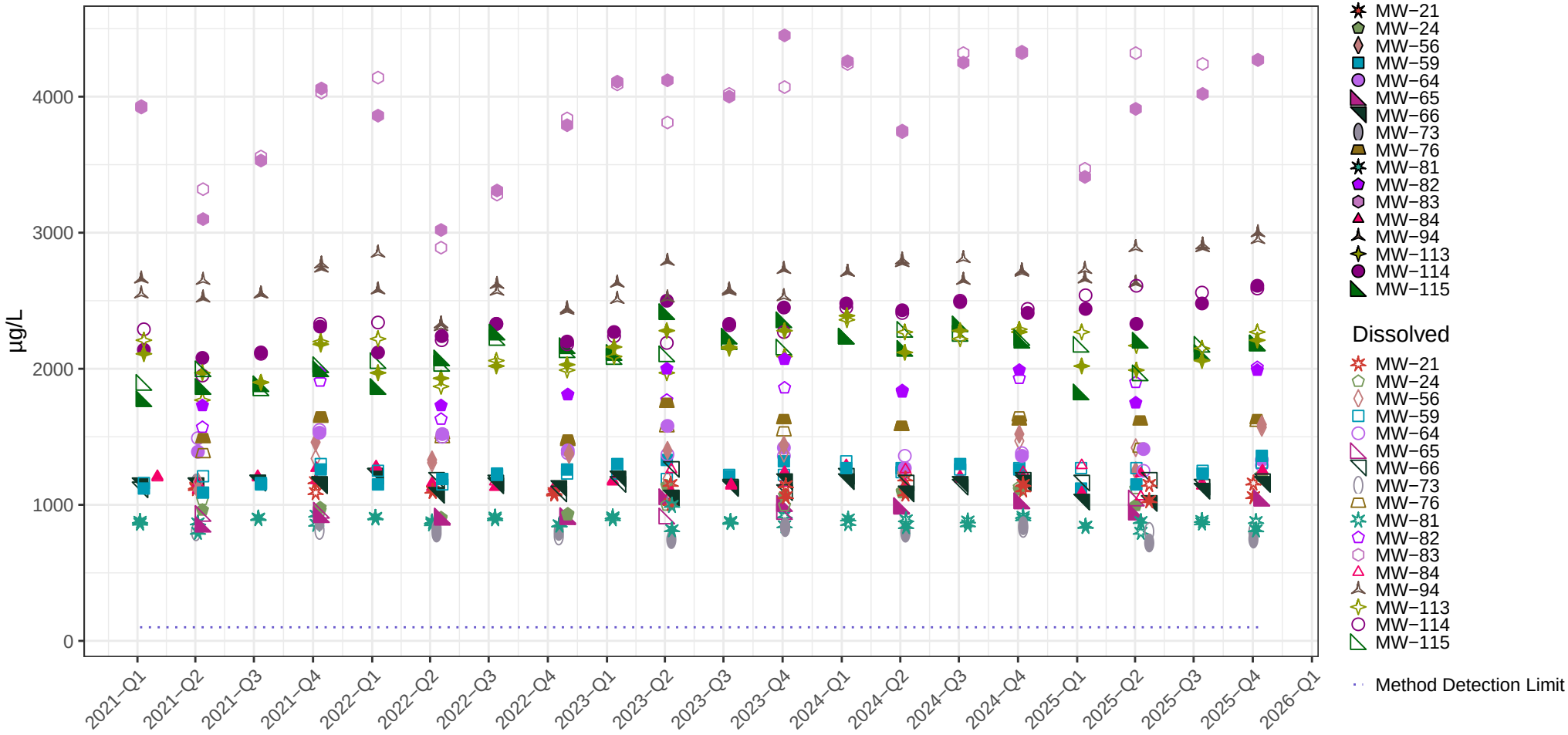
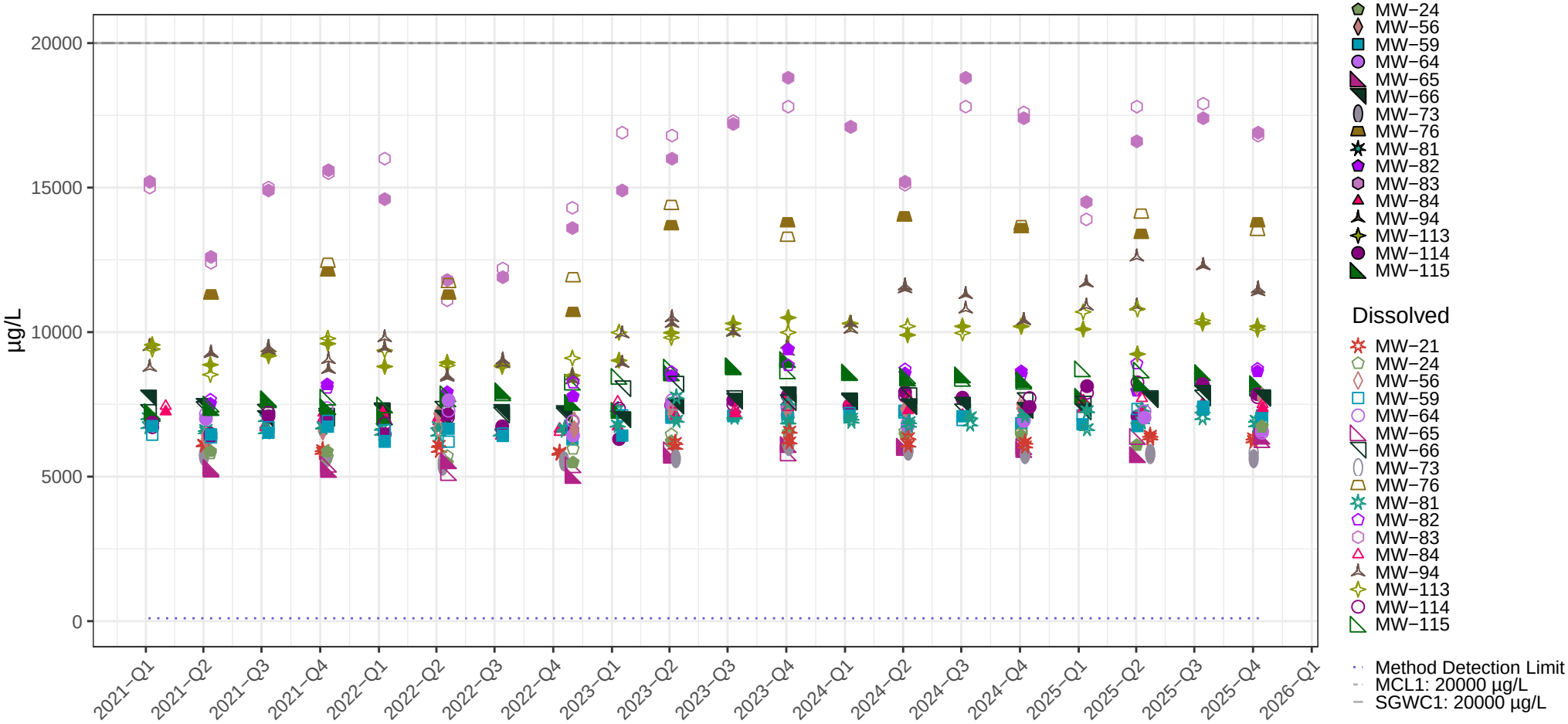
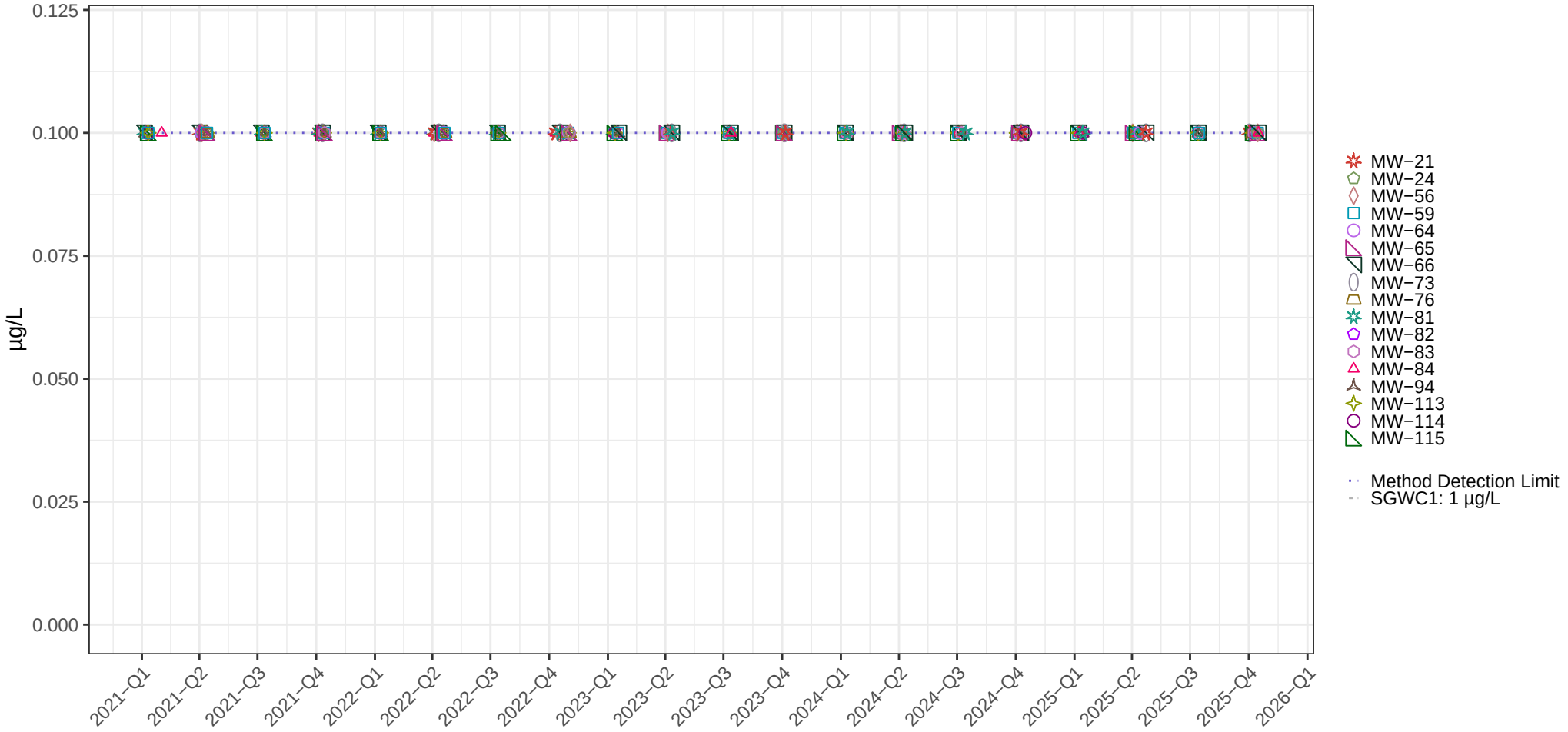


Figure B−150B
Regional − Upgradient
Sodium



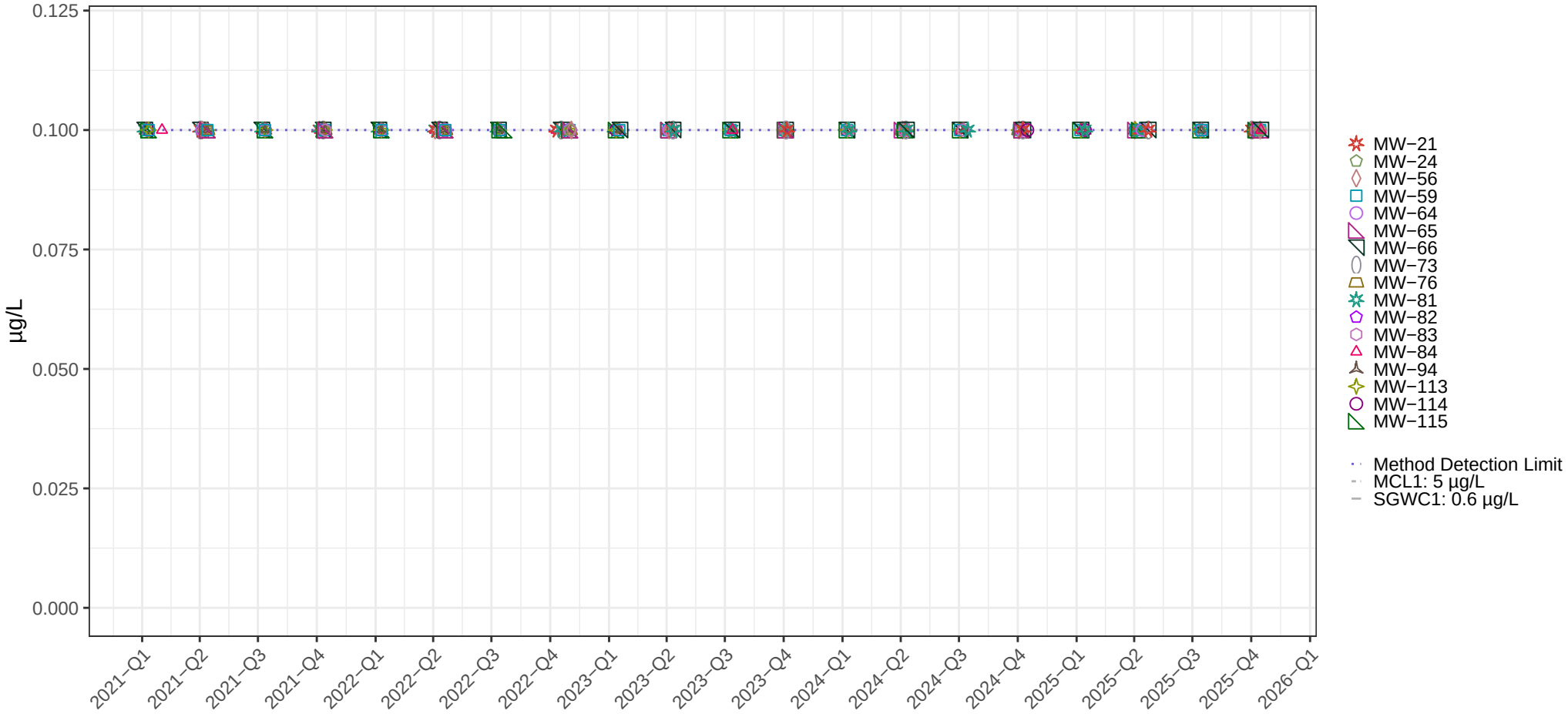
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−151B
Regional − Upgradient
1,1−Dichloroethane



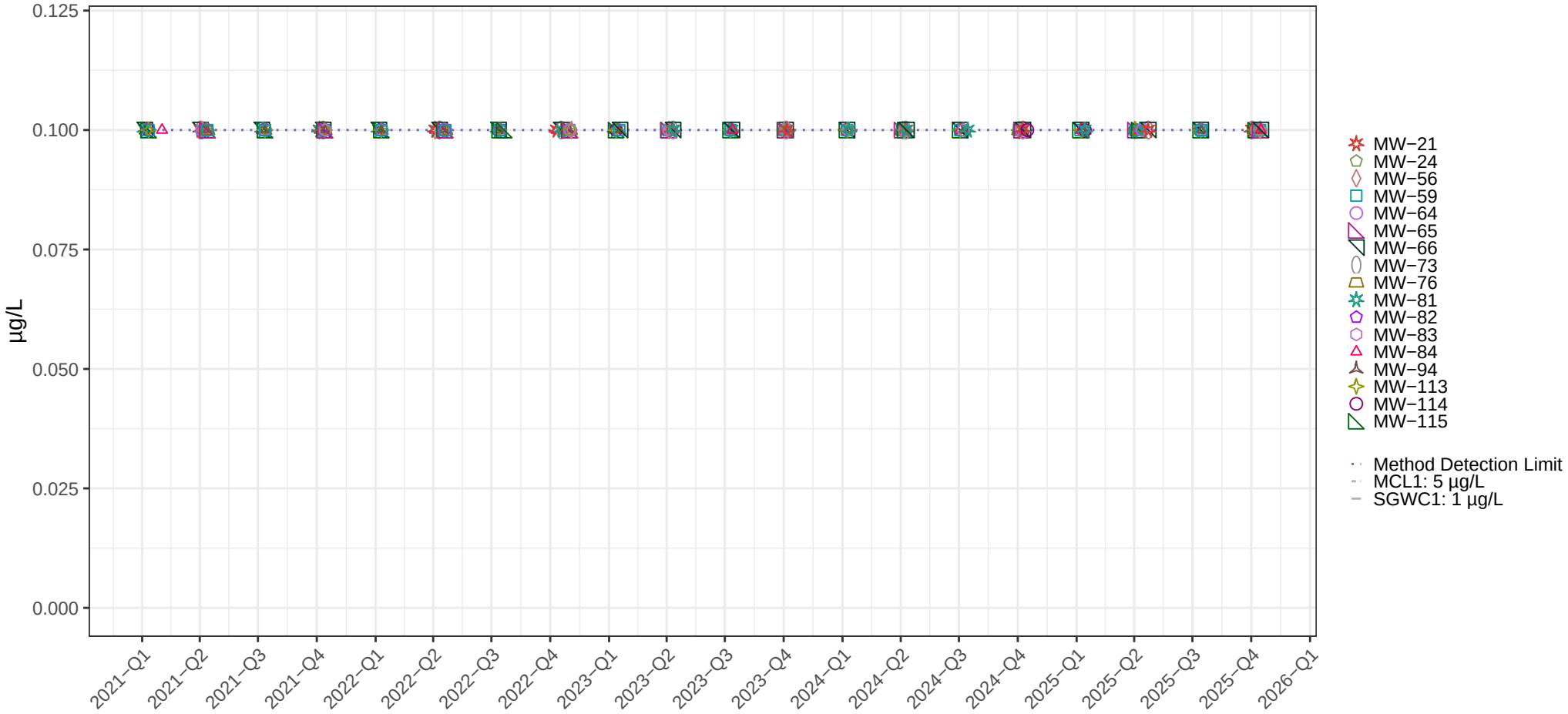
SGWC1: Washington State Primary Groundwater Quality Criteria

Figure B−152B
Regional − Upgradient
1,2−Dichloropropane



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−153B
Regional − Upgradient
Benzene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−154B
Regional − Upgradient
Chloroethane

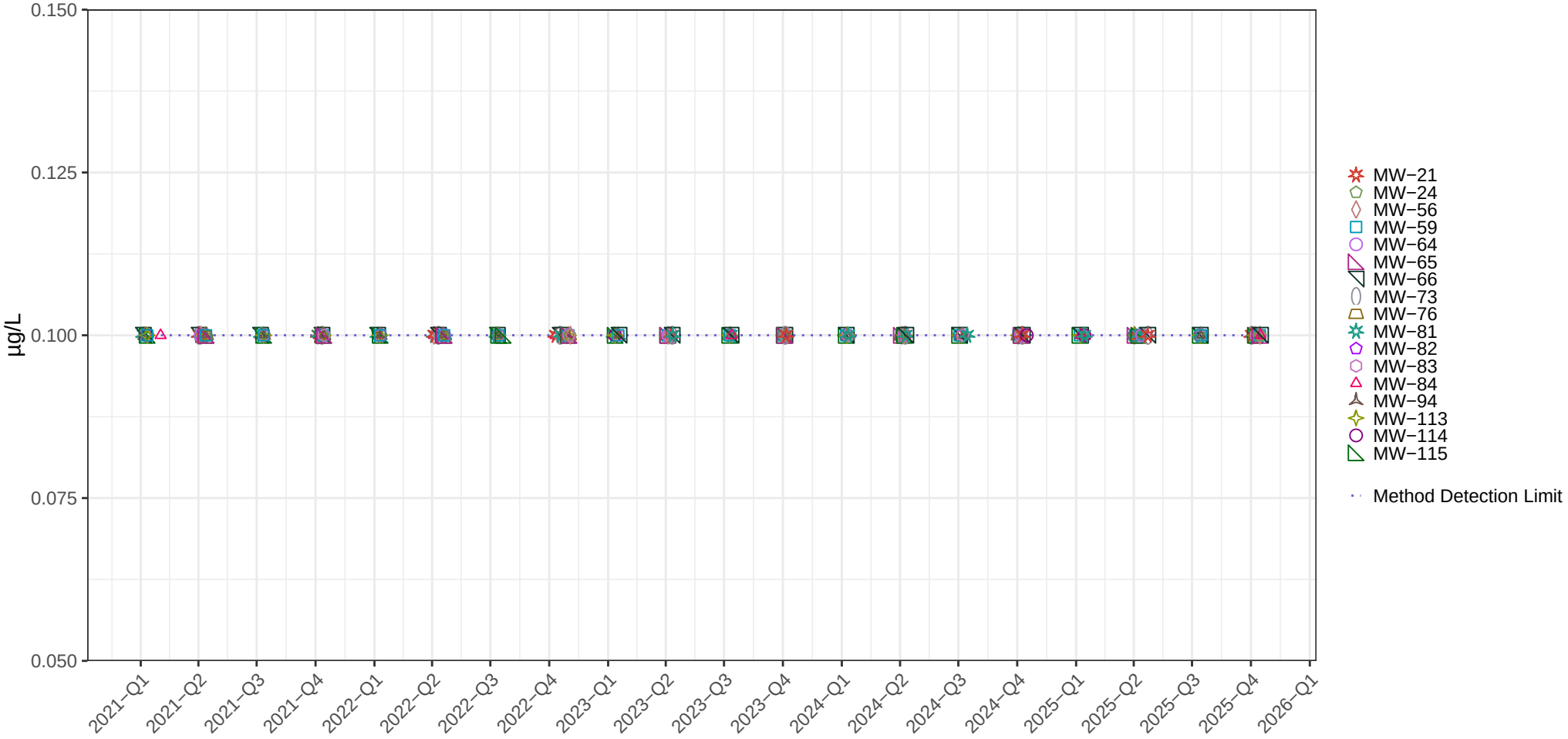
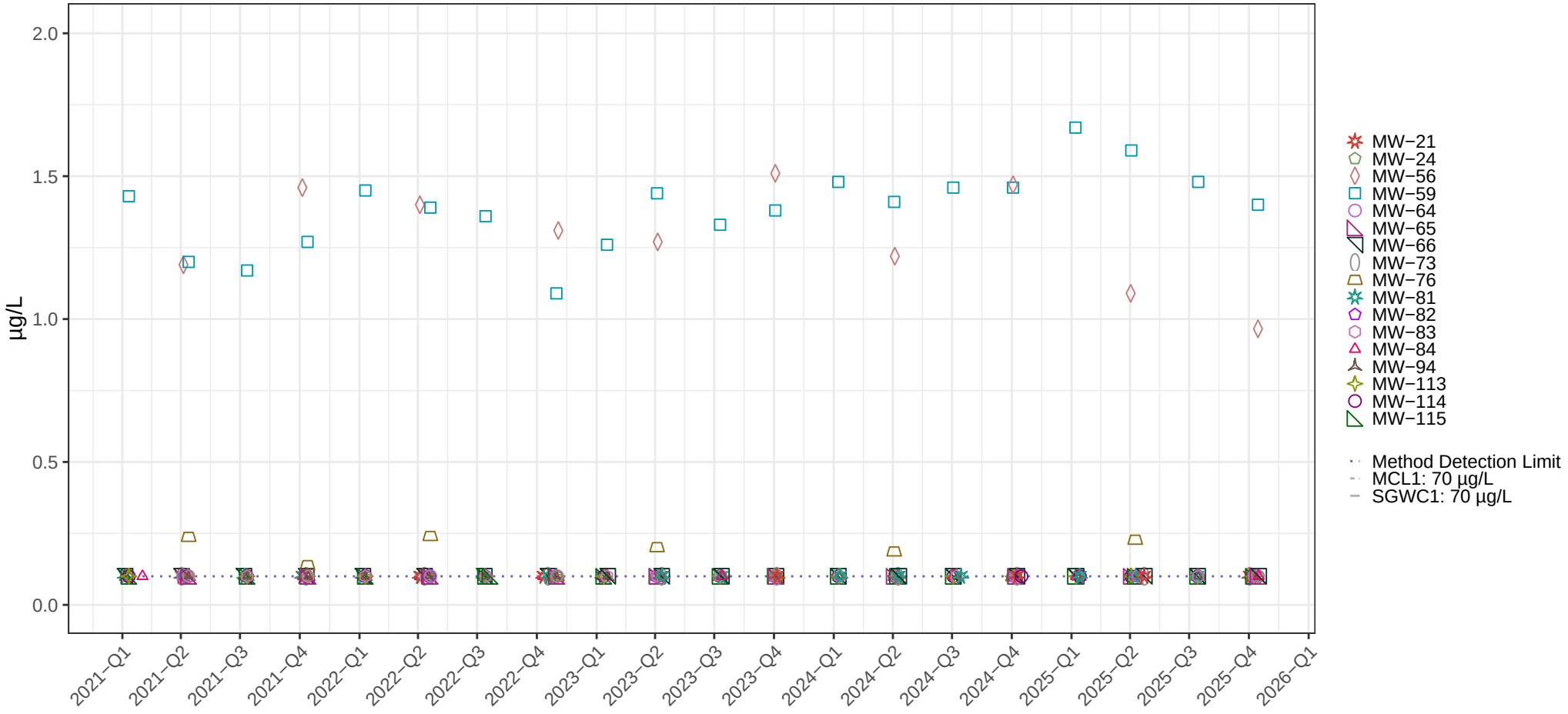


Figure B−155B
Regional − Upgradient
Cis−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−156B
Regional − Upgradient
Dichlorodifluoromethane

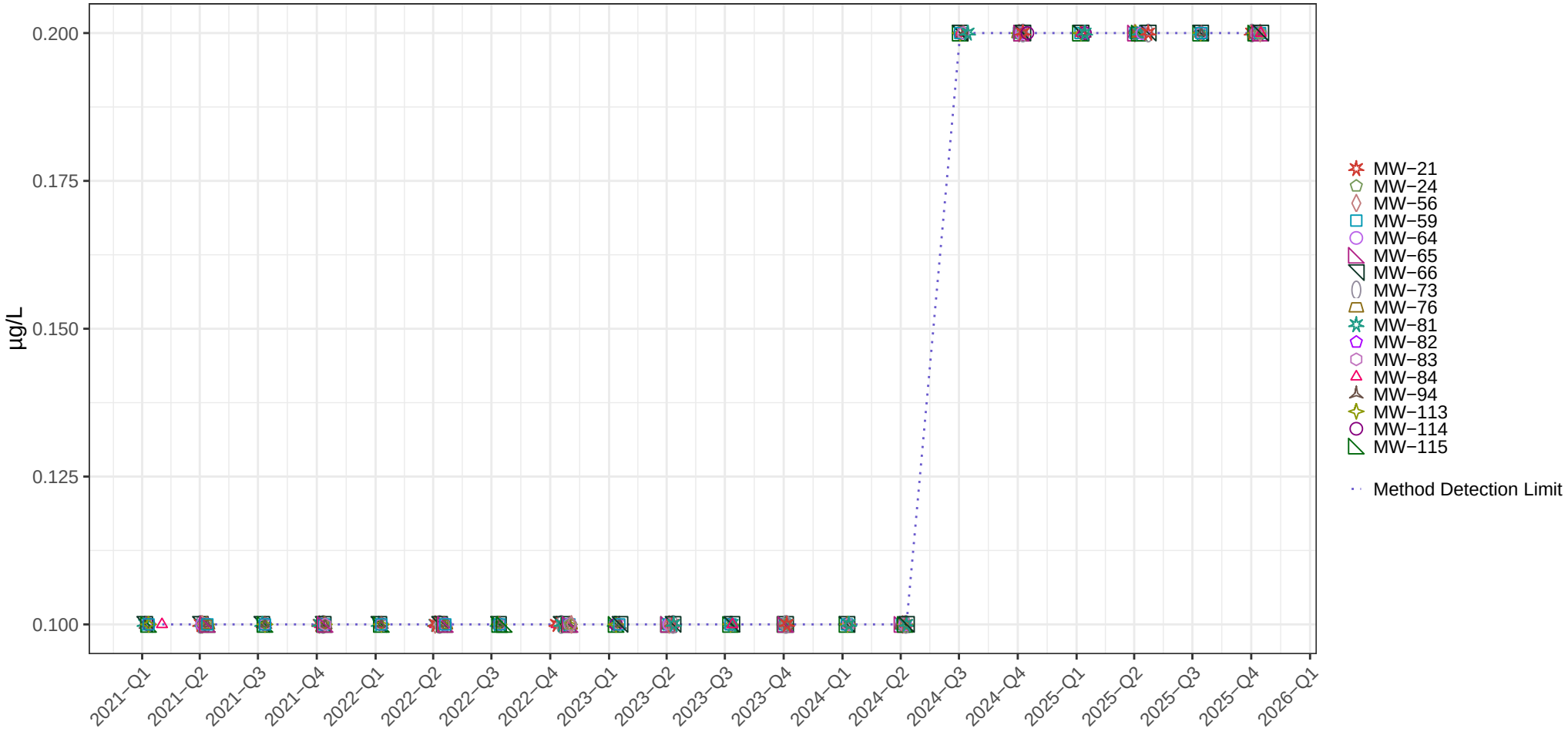
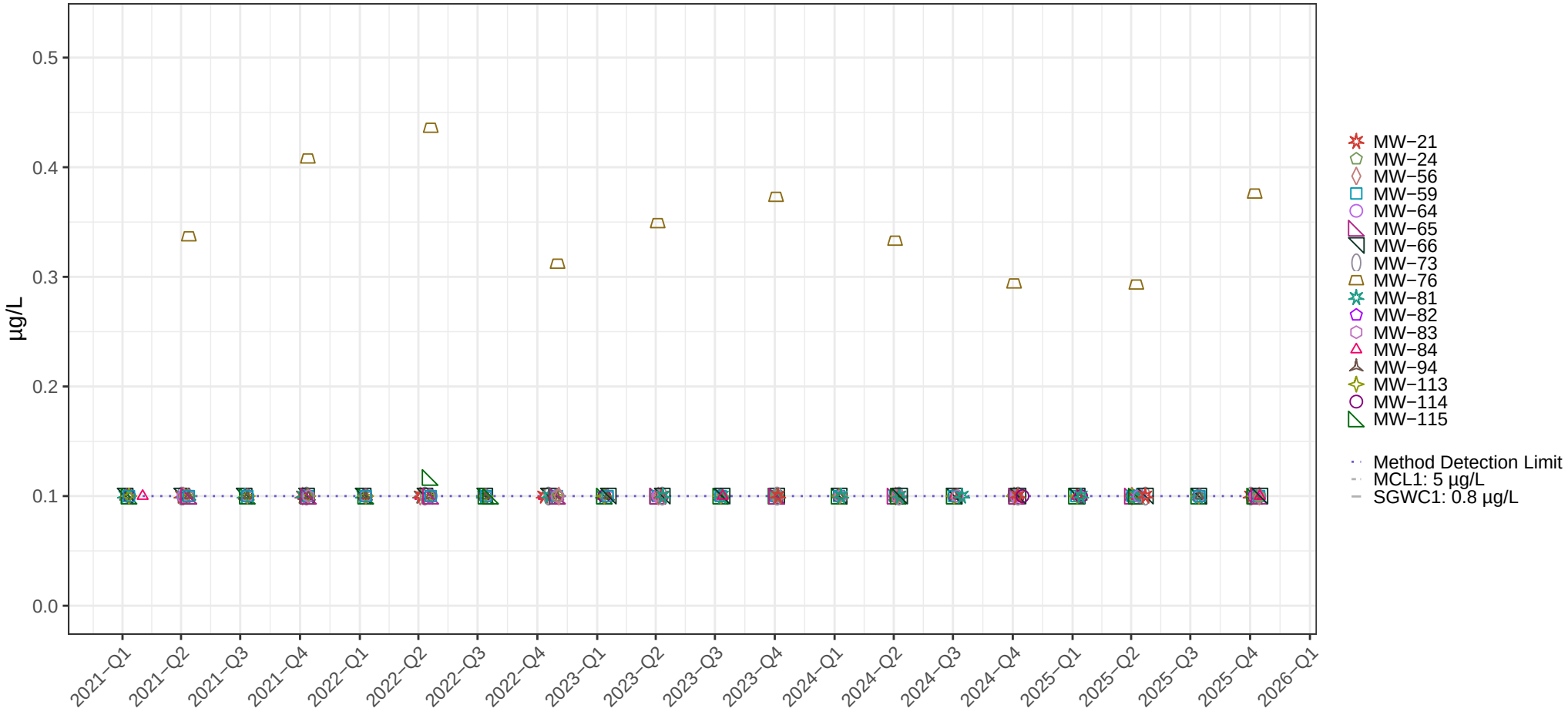
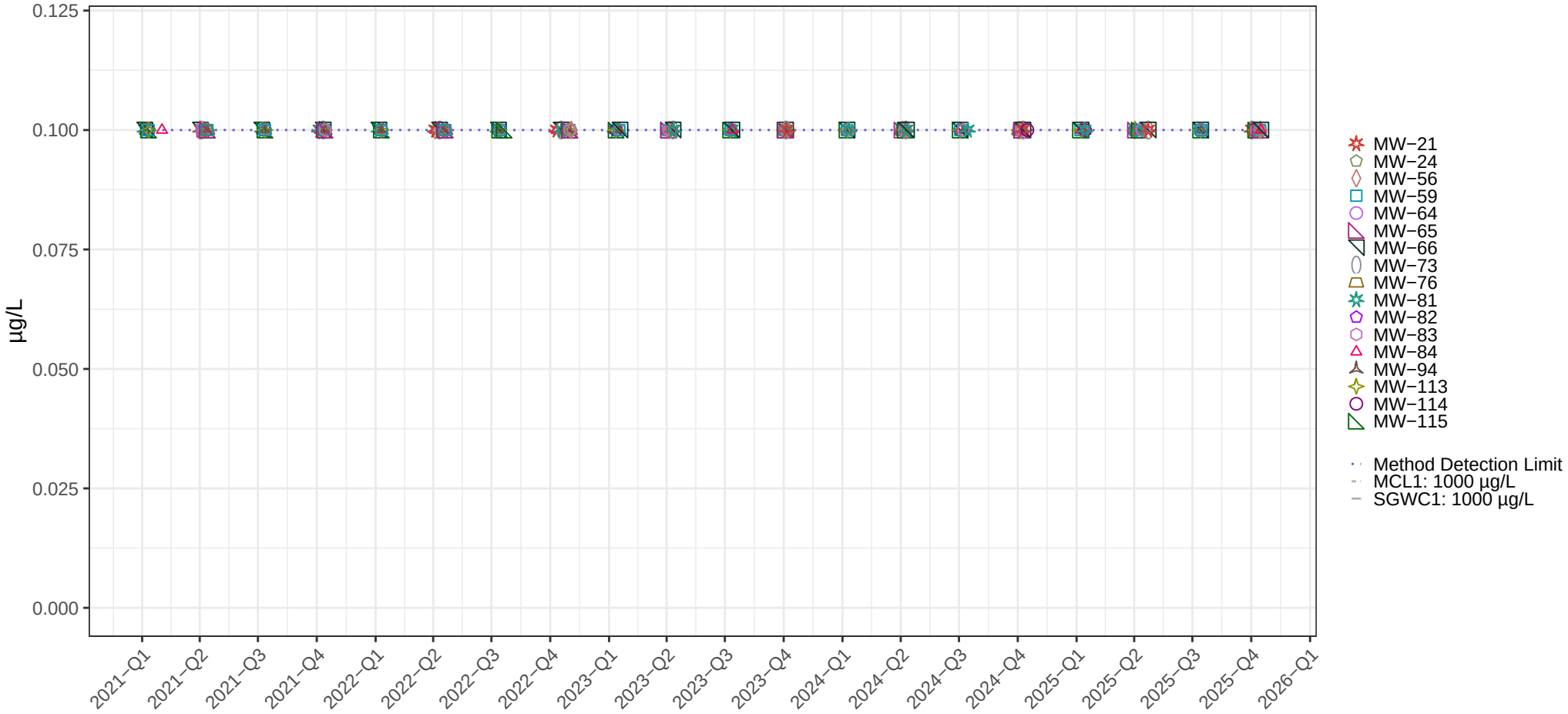


Figure B−157B
Regional − Upgradient
Tetrachloroethene



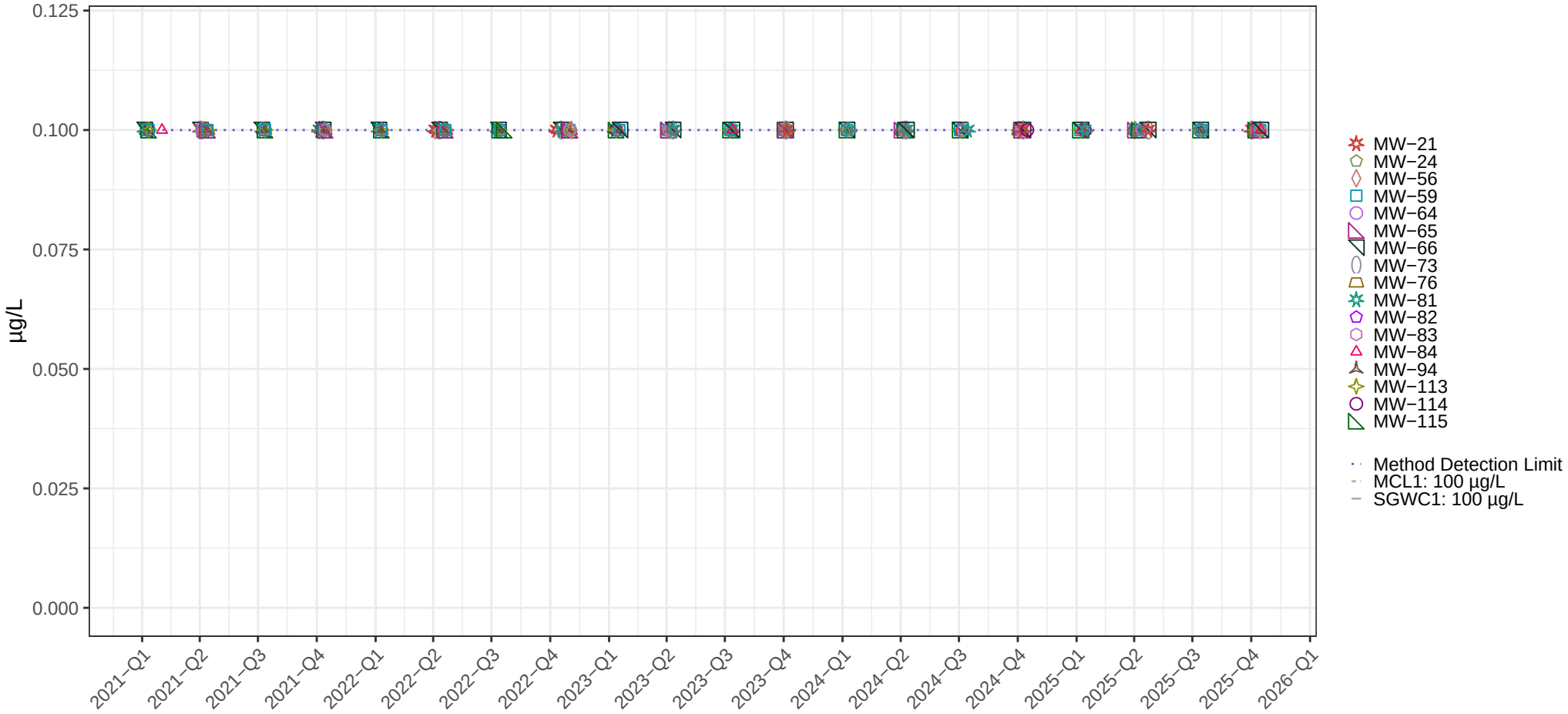
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−158B
Regional − Upgradient
Toluene



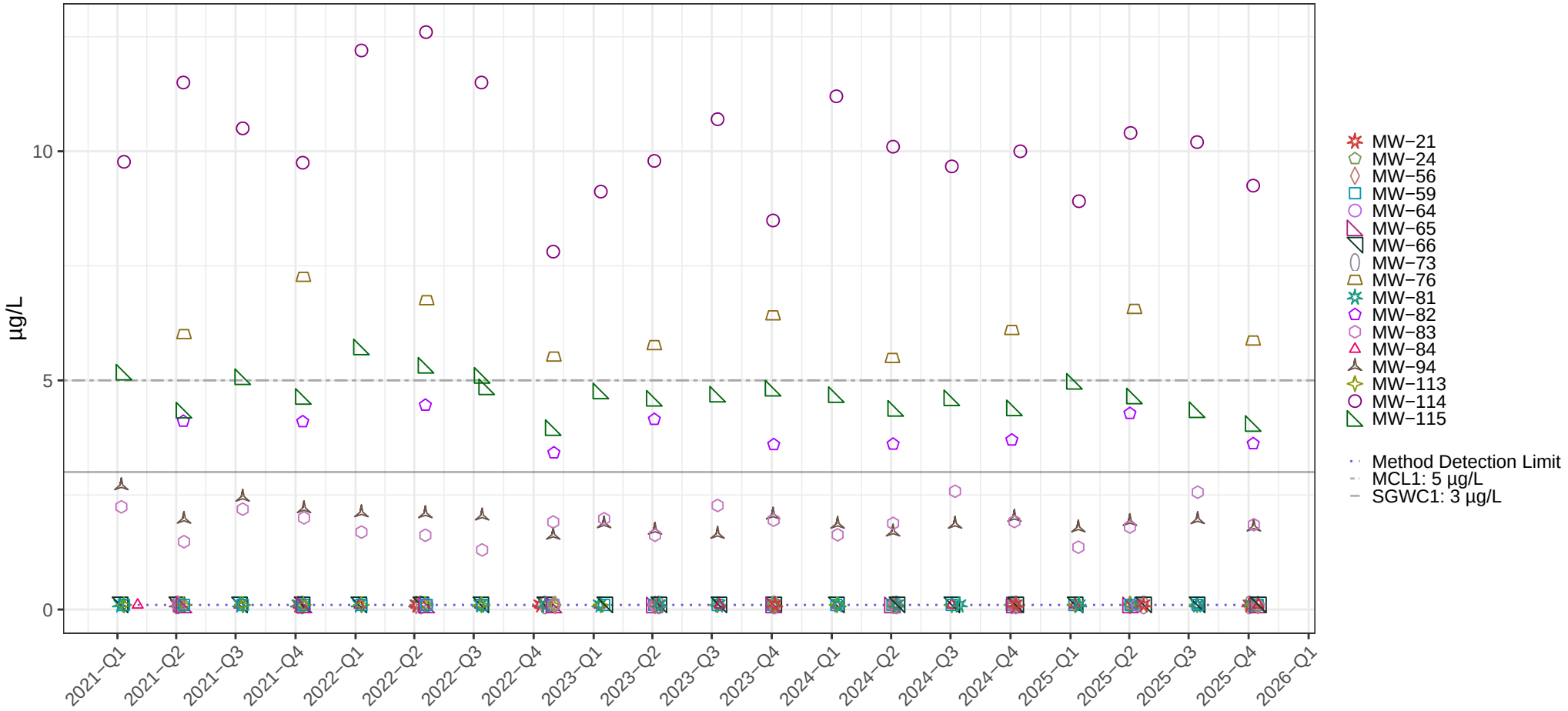
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−159B
Regional − Upgradient
Trans−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−160B
Regional − Upgradient
Trichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−161B
Regional − Upgradient
Trichlorofluoromethane

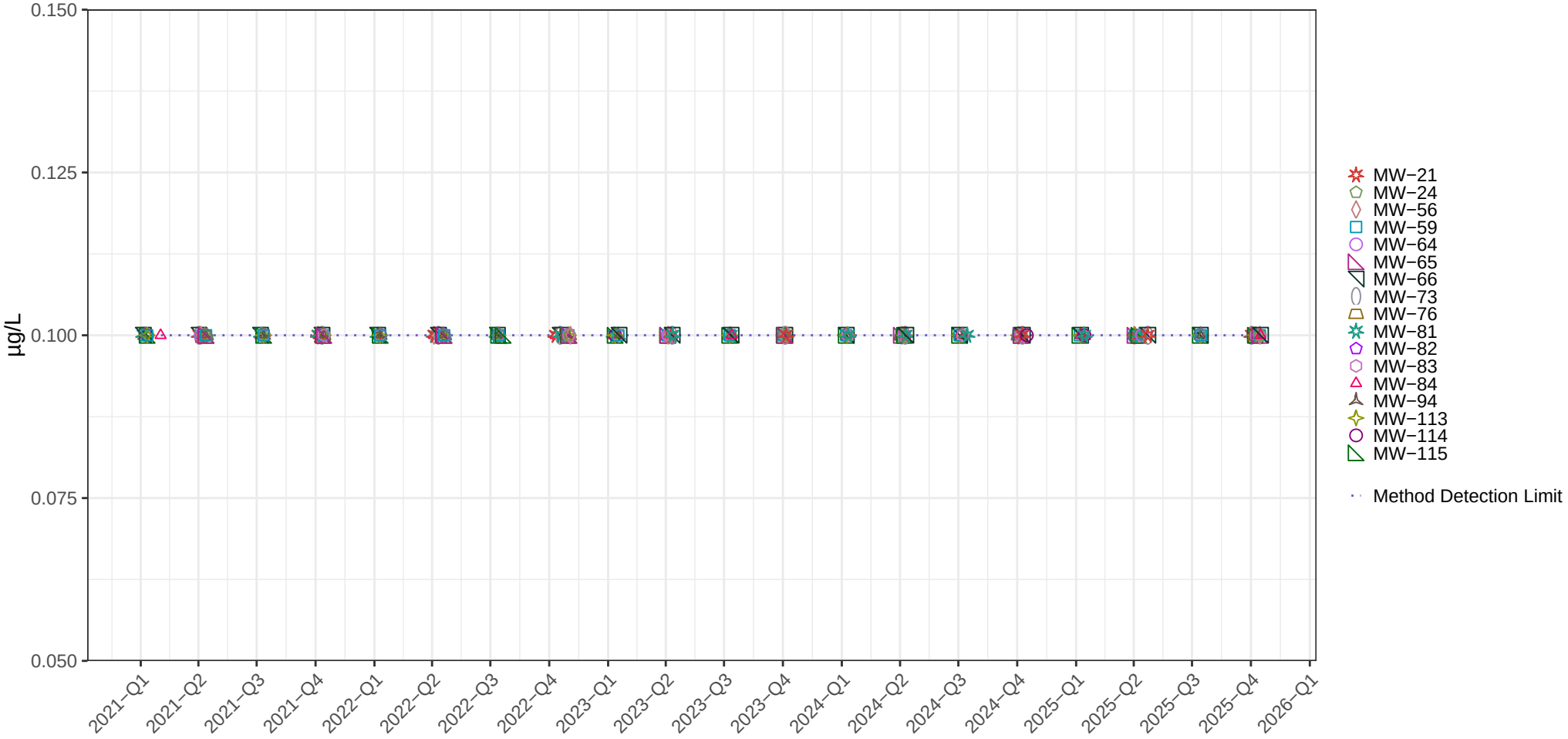


Figure B−162B
Regional − Upgradient
Vinyl Chloride



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−163A
Regional − Downgradient
Alkalinity, Total (as CaCO3)

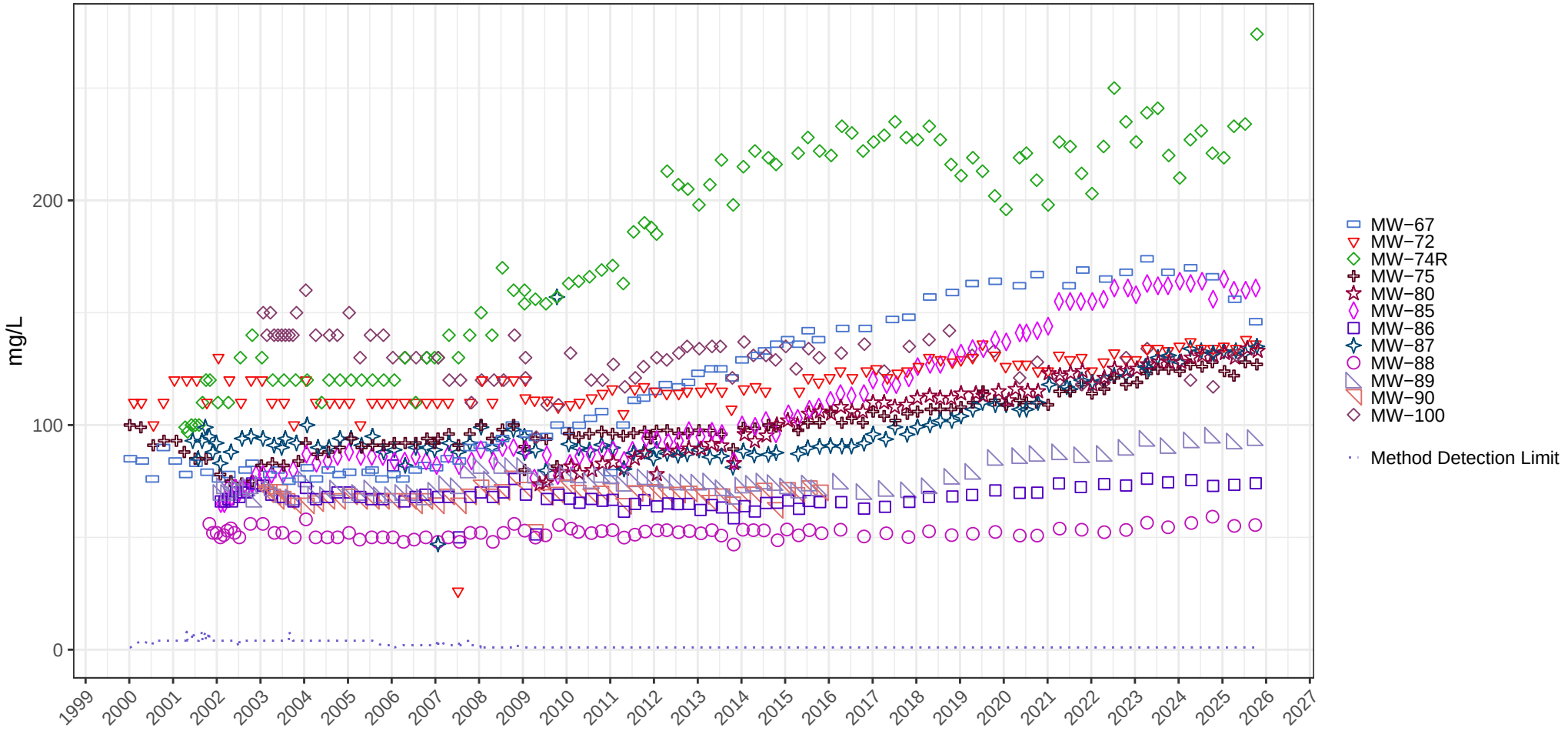


Figure B−164A
Regional − Downgradient
Ammonia As N

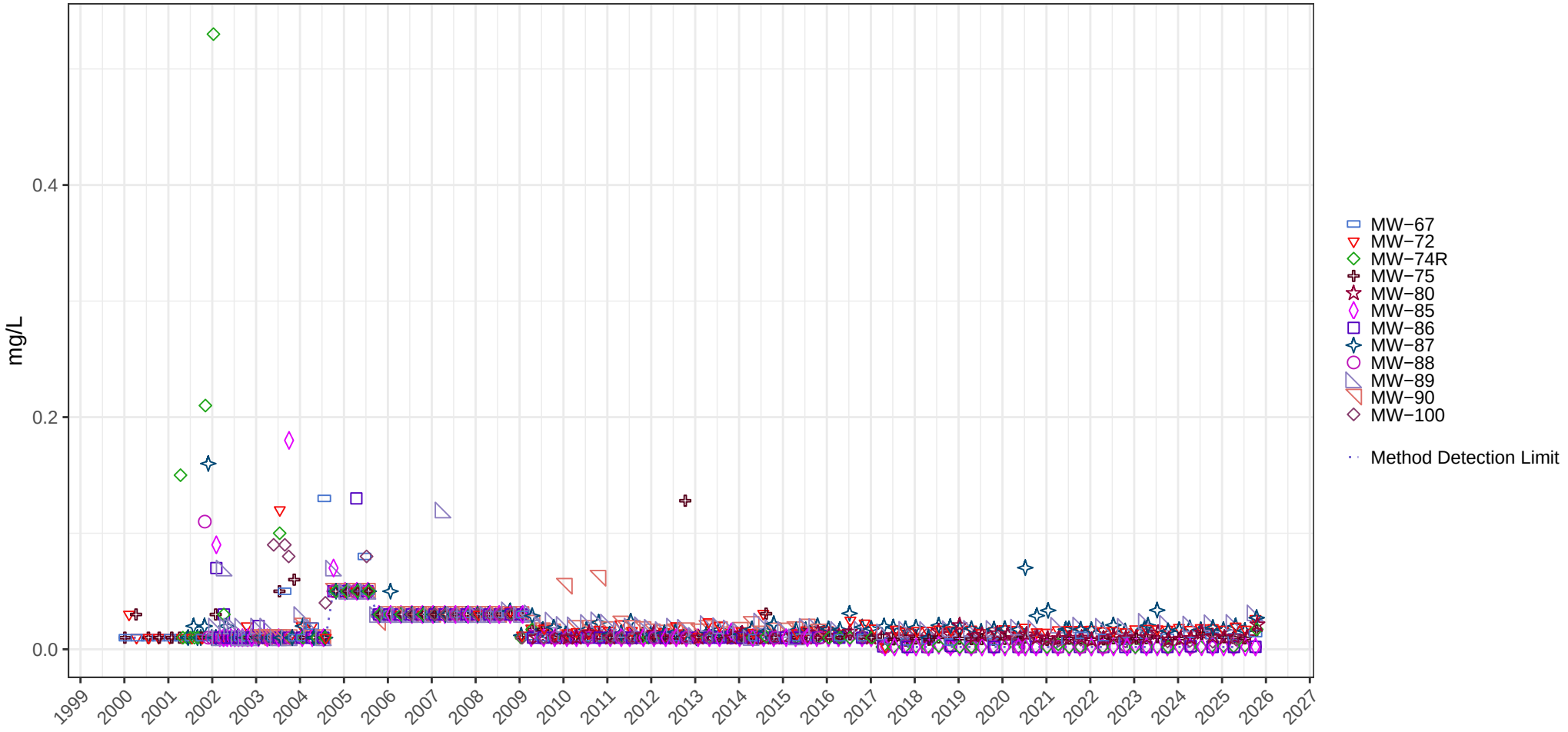
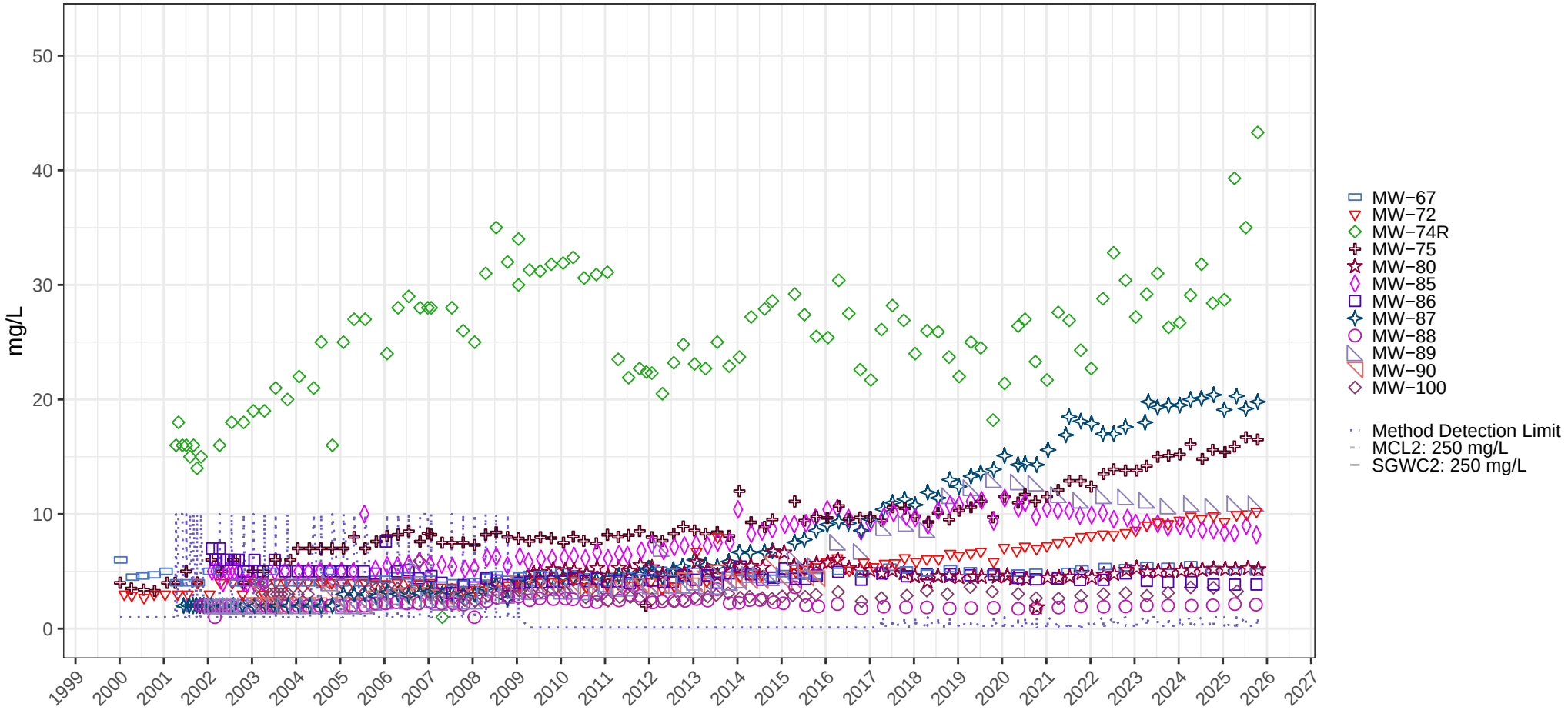
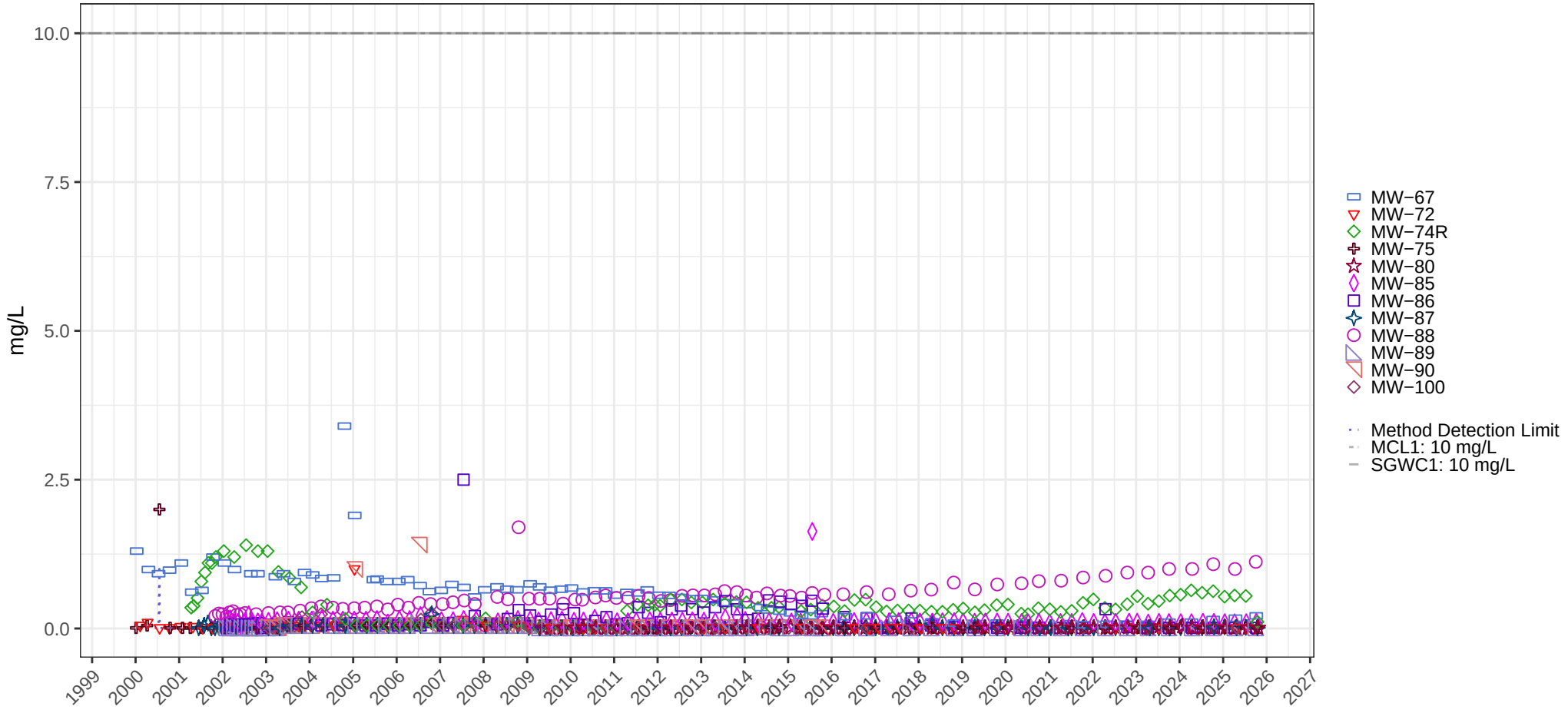


Figure B−165A
Regional − Downgradient
Chloride



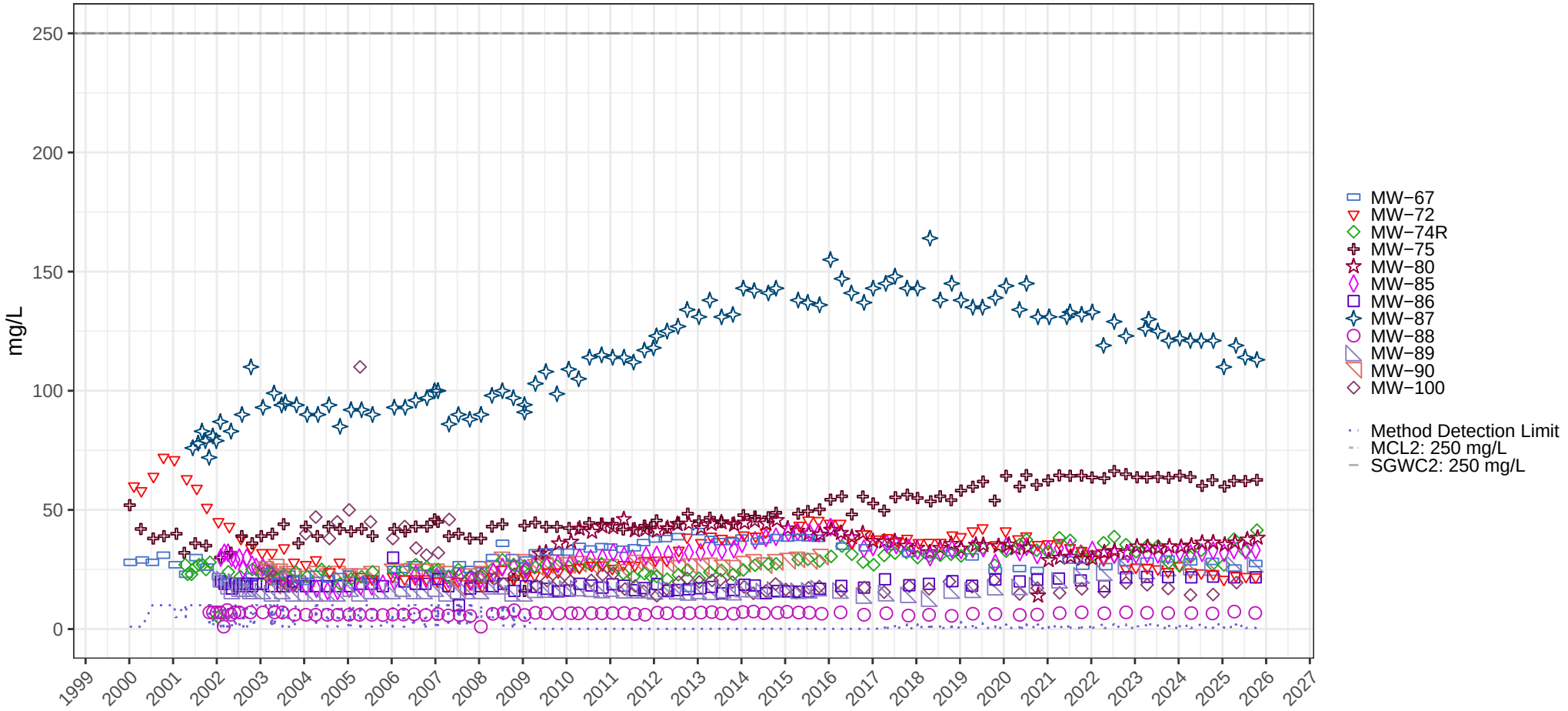
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−166A
Regional − Downgradient
Nitrate



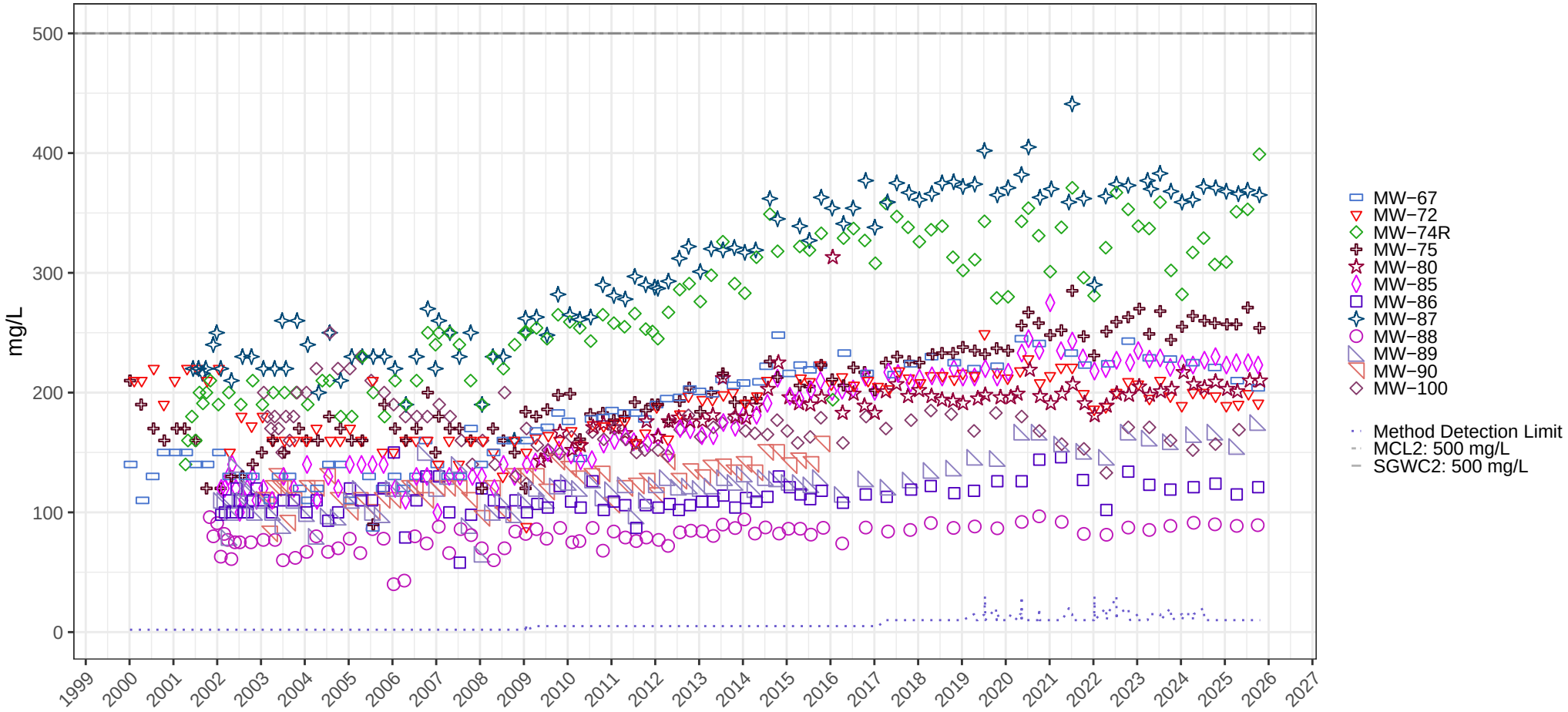
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−167A
Regional − Downgradient
Sulfate



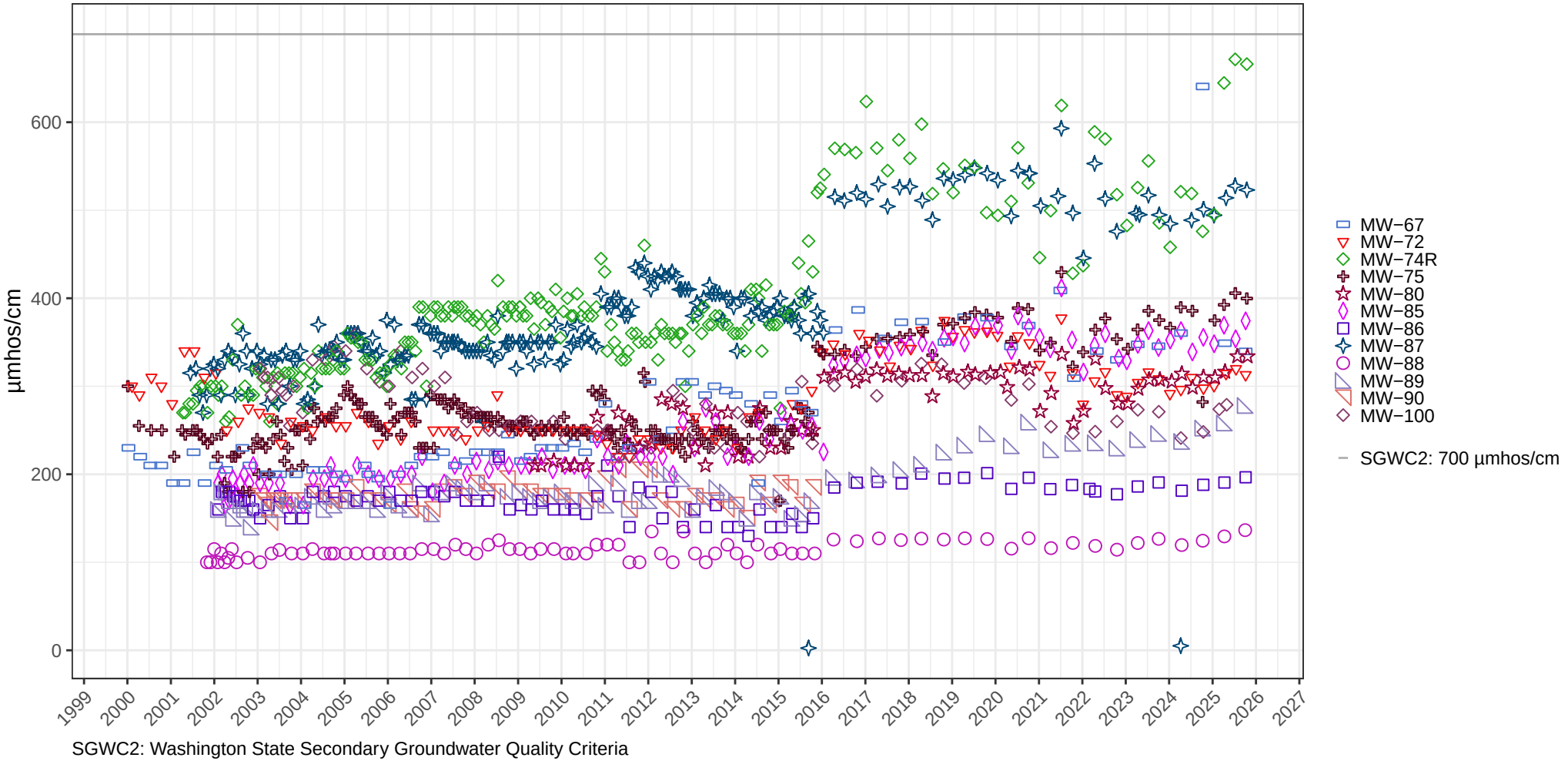
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−168A
Regional − Downgradient
Total Dissolved Solids



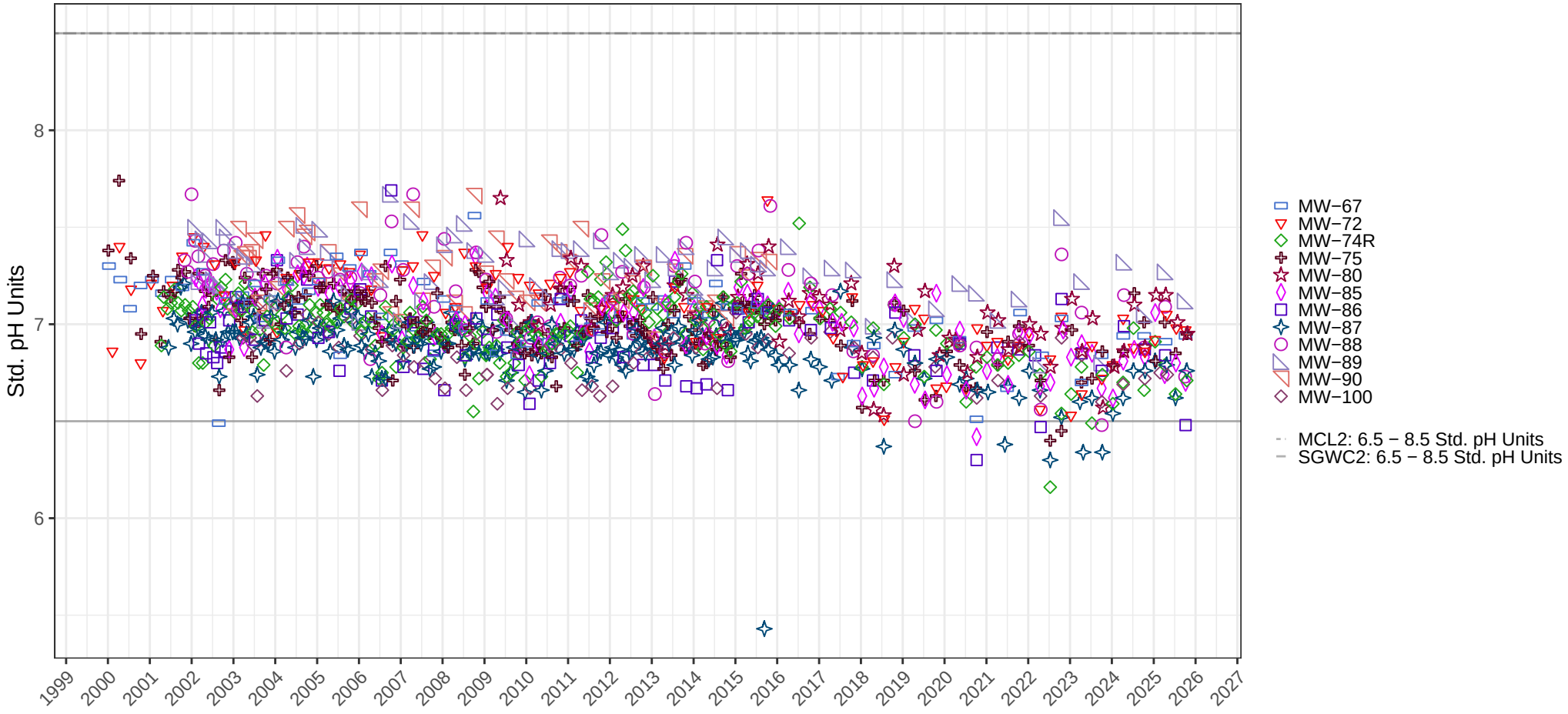
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−169A
Regional − Downgradient
Specific Conductivity, Field



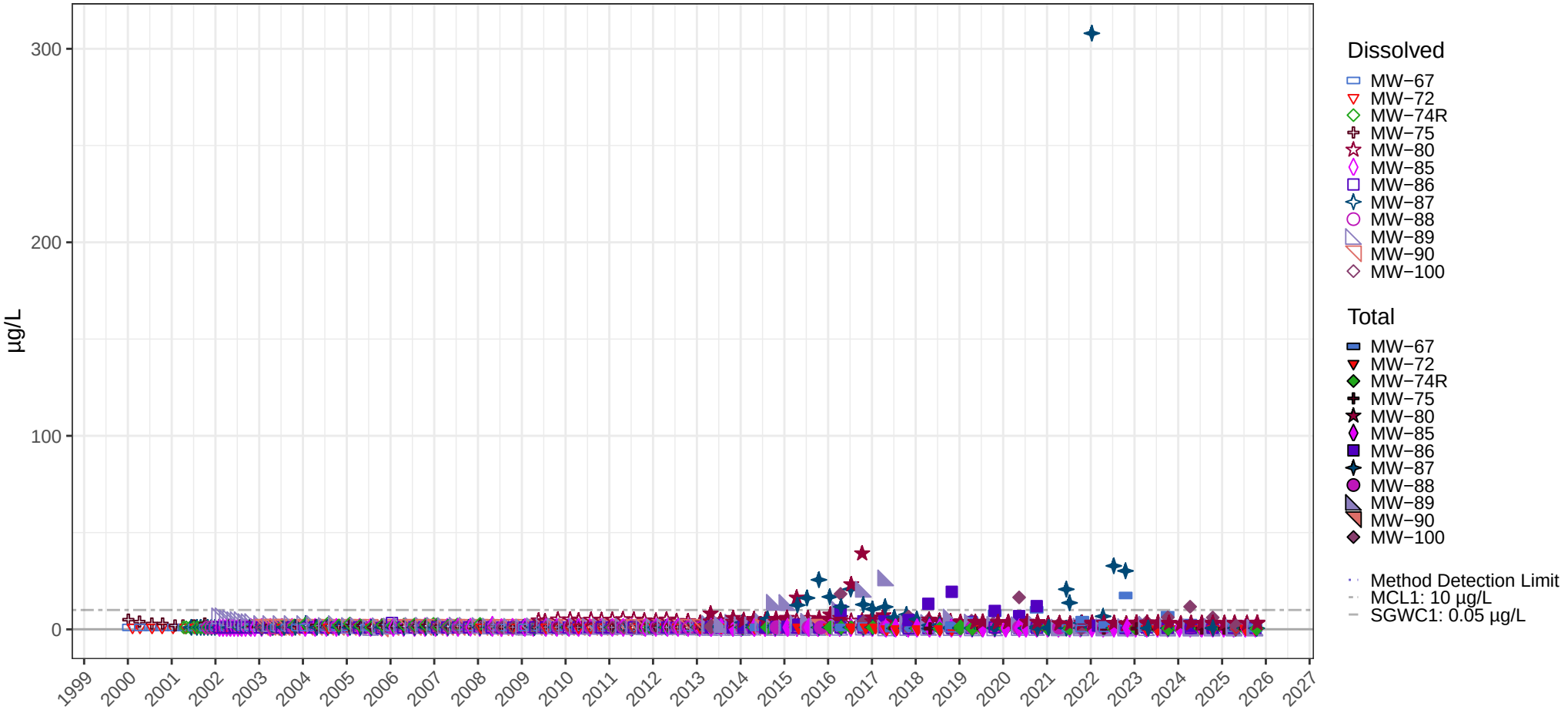
SGWC2: Washington State Secondary Groundwater Quality Criteria

Figure B−170A
Regional − Downgradient
pH, Field



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−171A
Regional − Downgradient
Arsenic



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−172A
Regional − Downgradient
Calcium

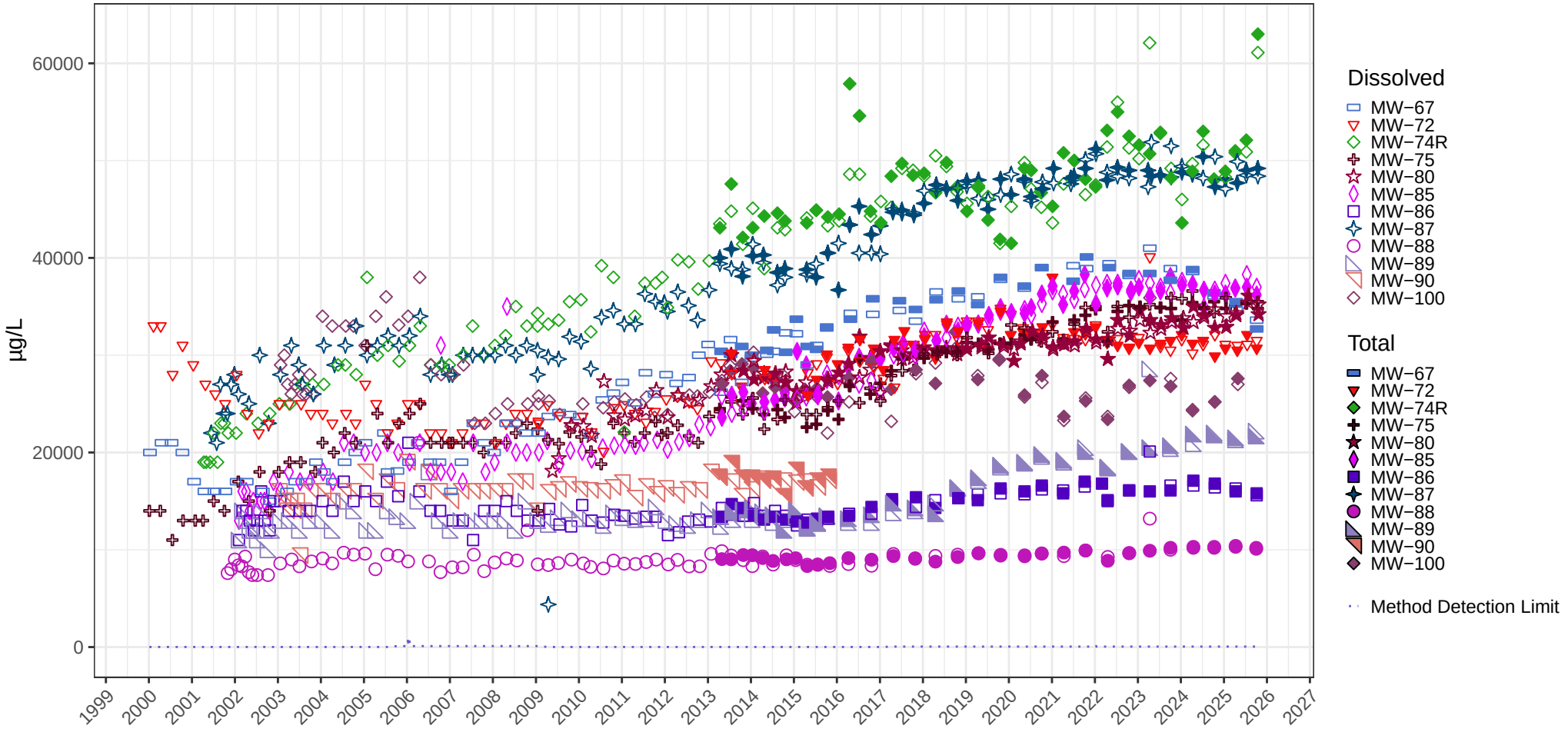
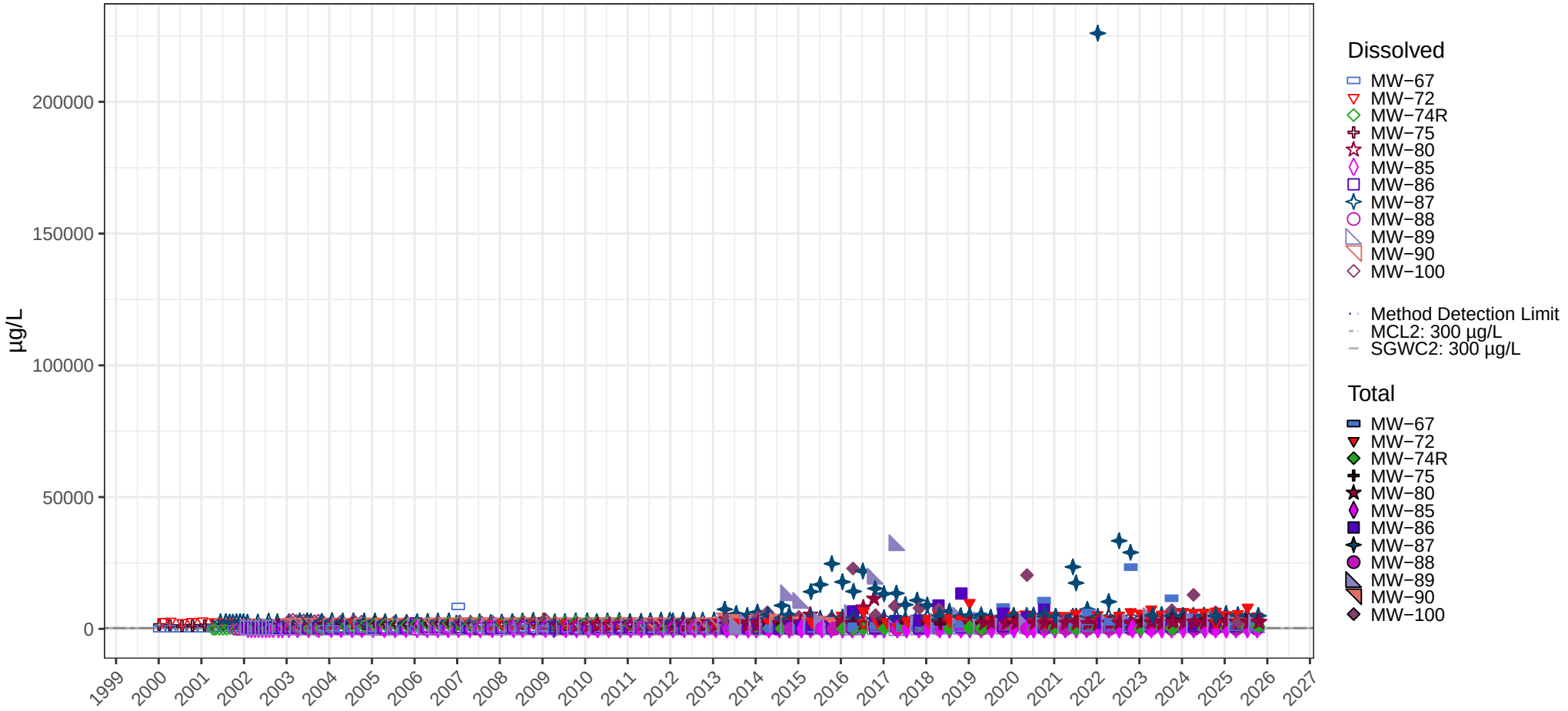


Figure B−173A
Regional − Downgradient
Iron



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−174A
Regional − Downgradient
Magnesium

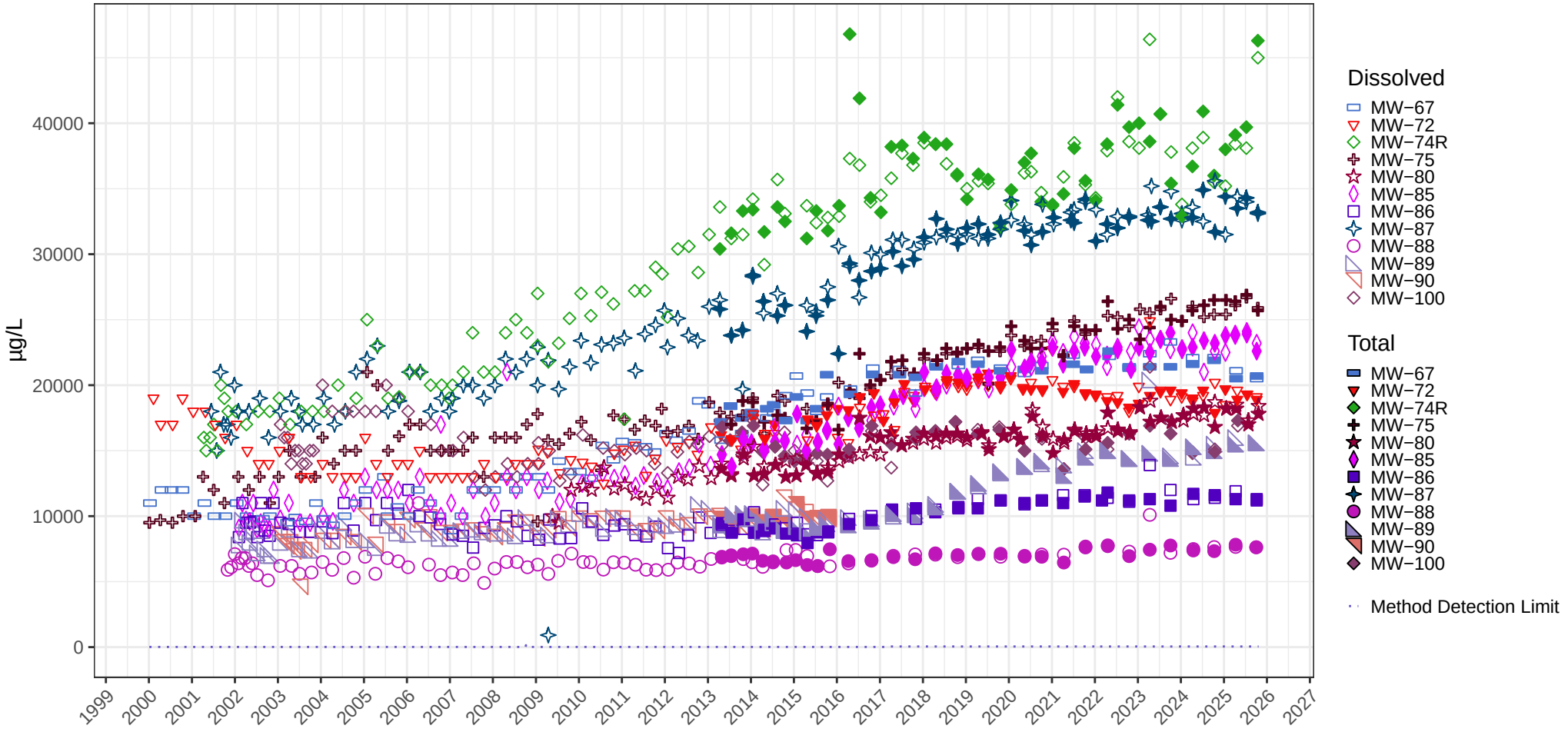
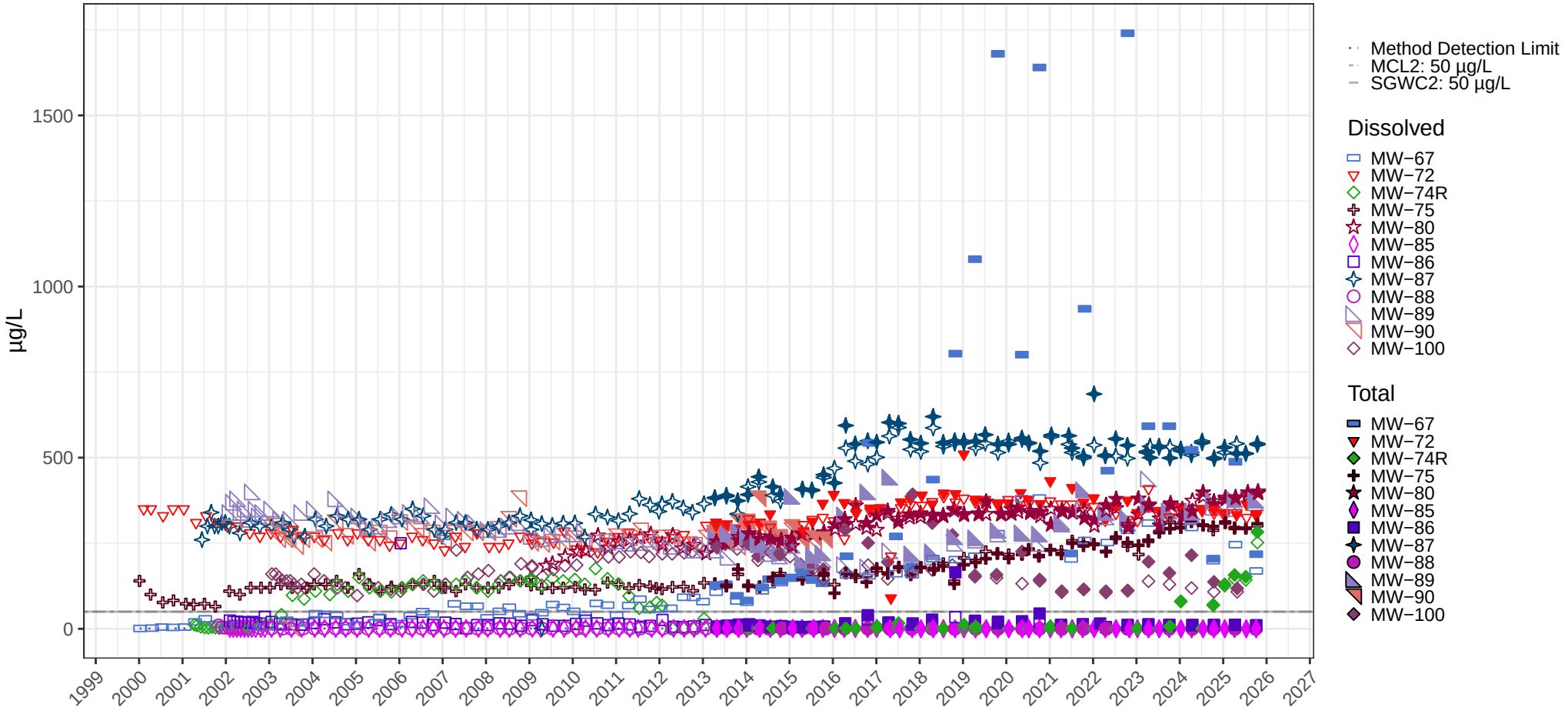


Figure B−175A
Regional − Downgradient
Manganese



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−176A
Regional − Downgradient
Potassium

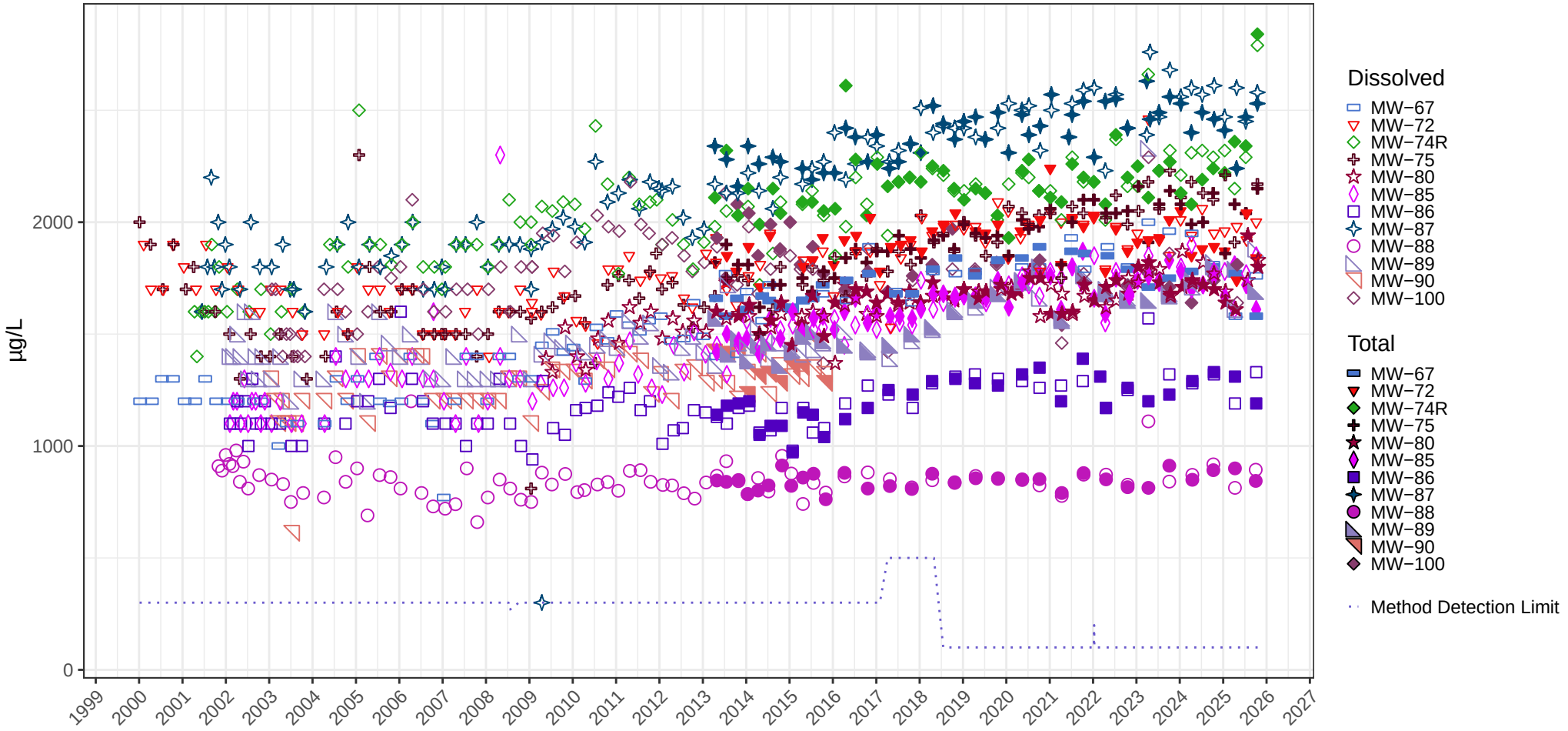
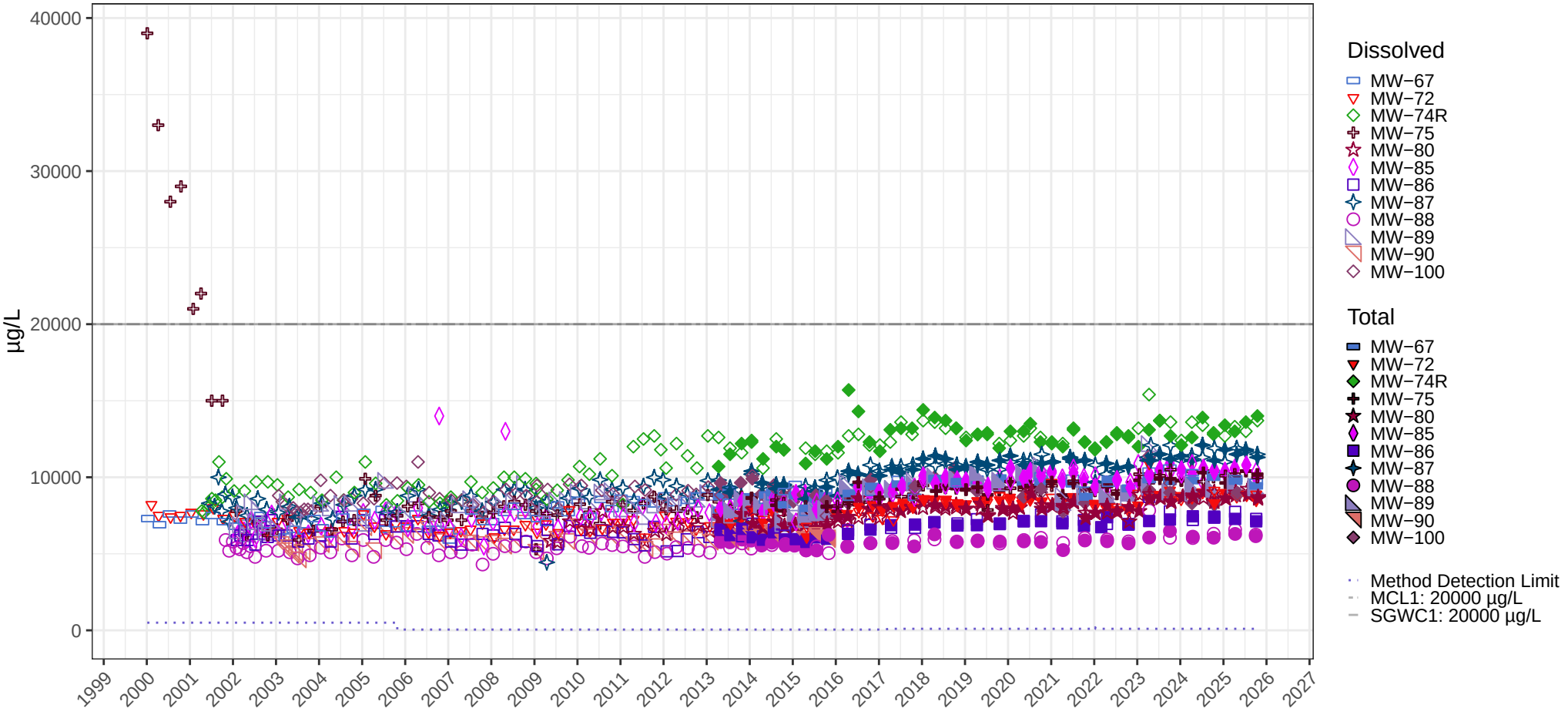
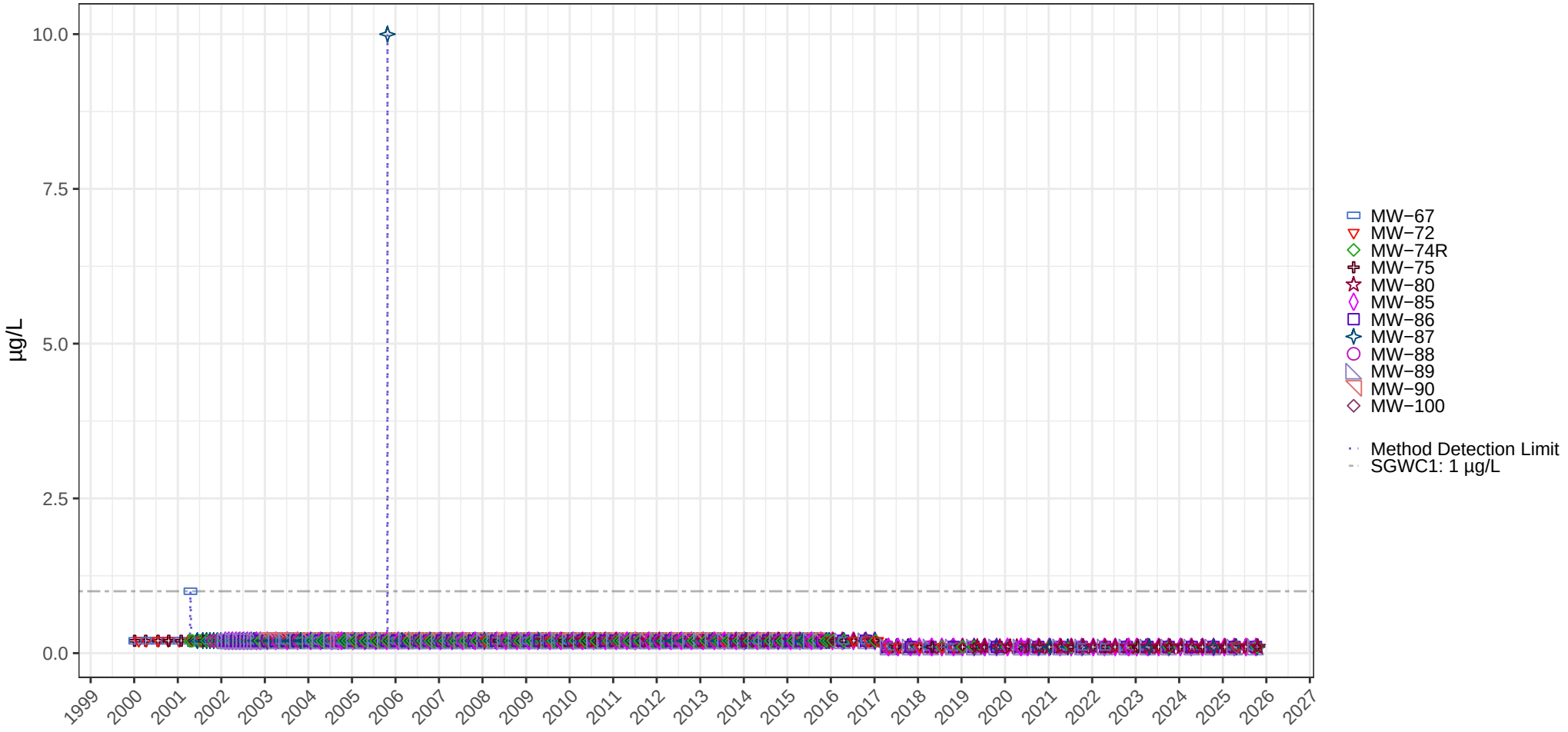


Figure B−177A
Regional − Downgradient
Sodium



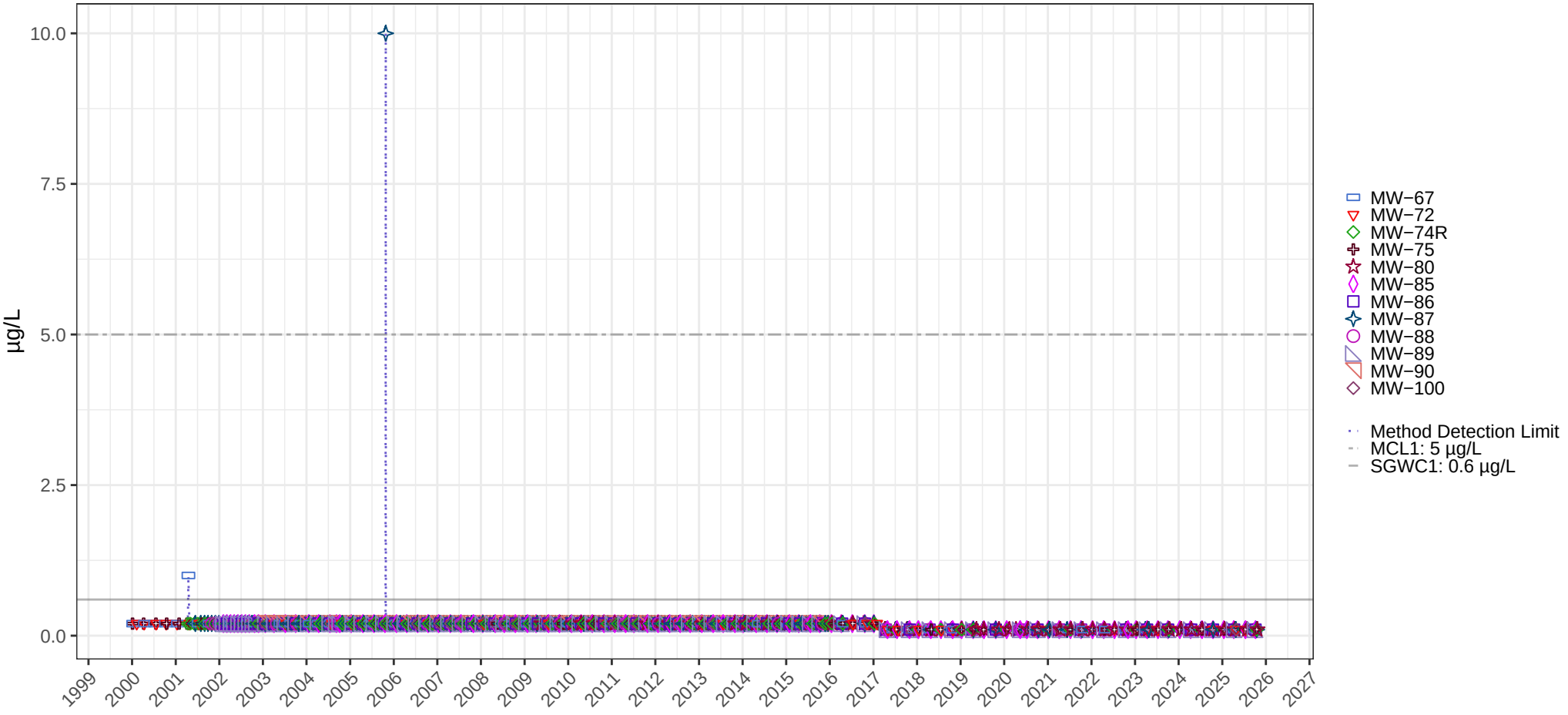
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−178A
Regional − Downgradient
1,1−Dichloroethane



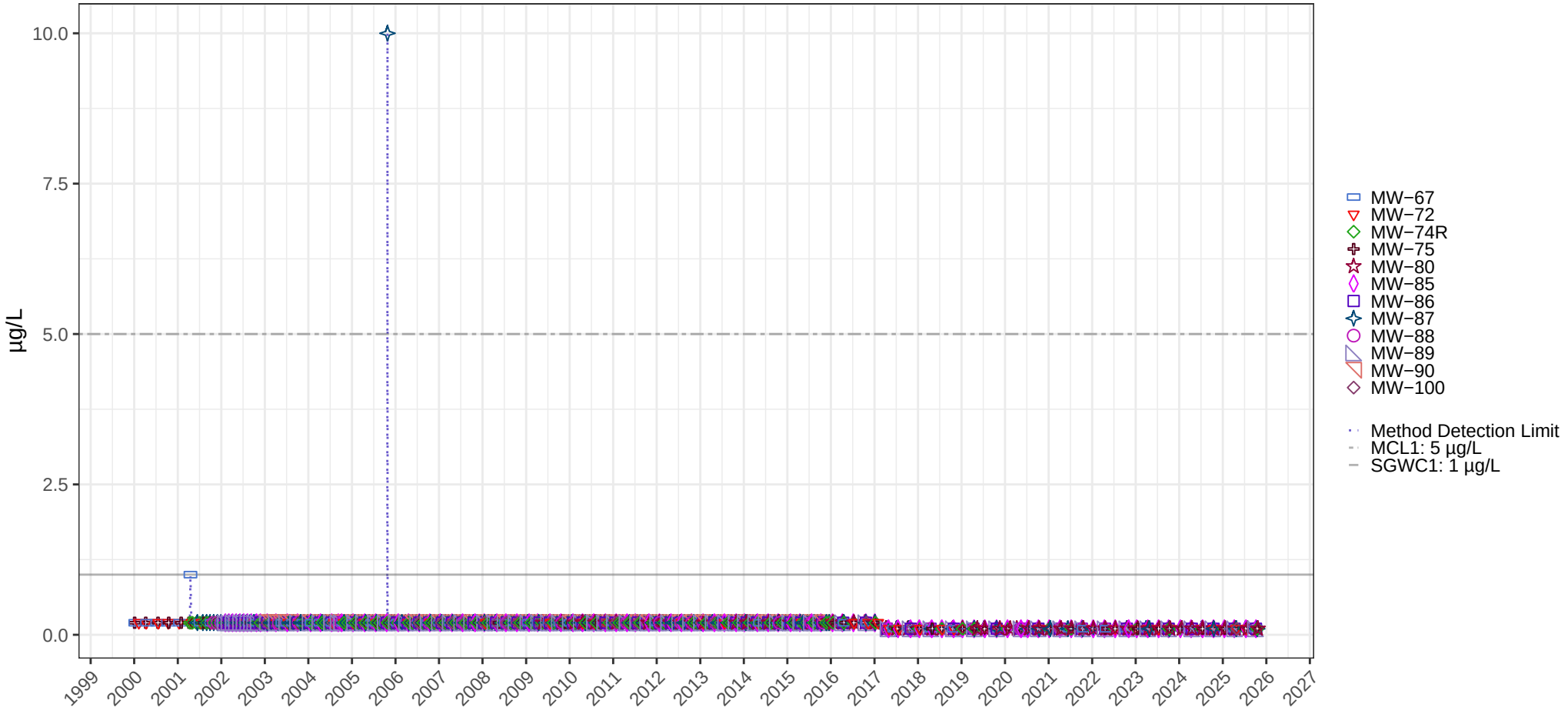
SGWC1: Washington State Primary Groundwater Quality Criteria

Figure B−179A
Regional − Downgradient
1,2−Dichloropropane



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−180A
Regional − Downgradient
Benzene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−181A
Regional − Downgradient
Chloroethane

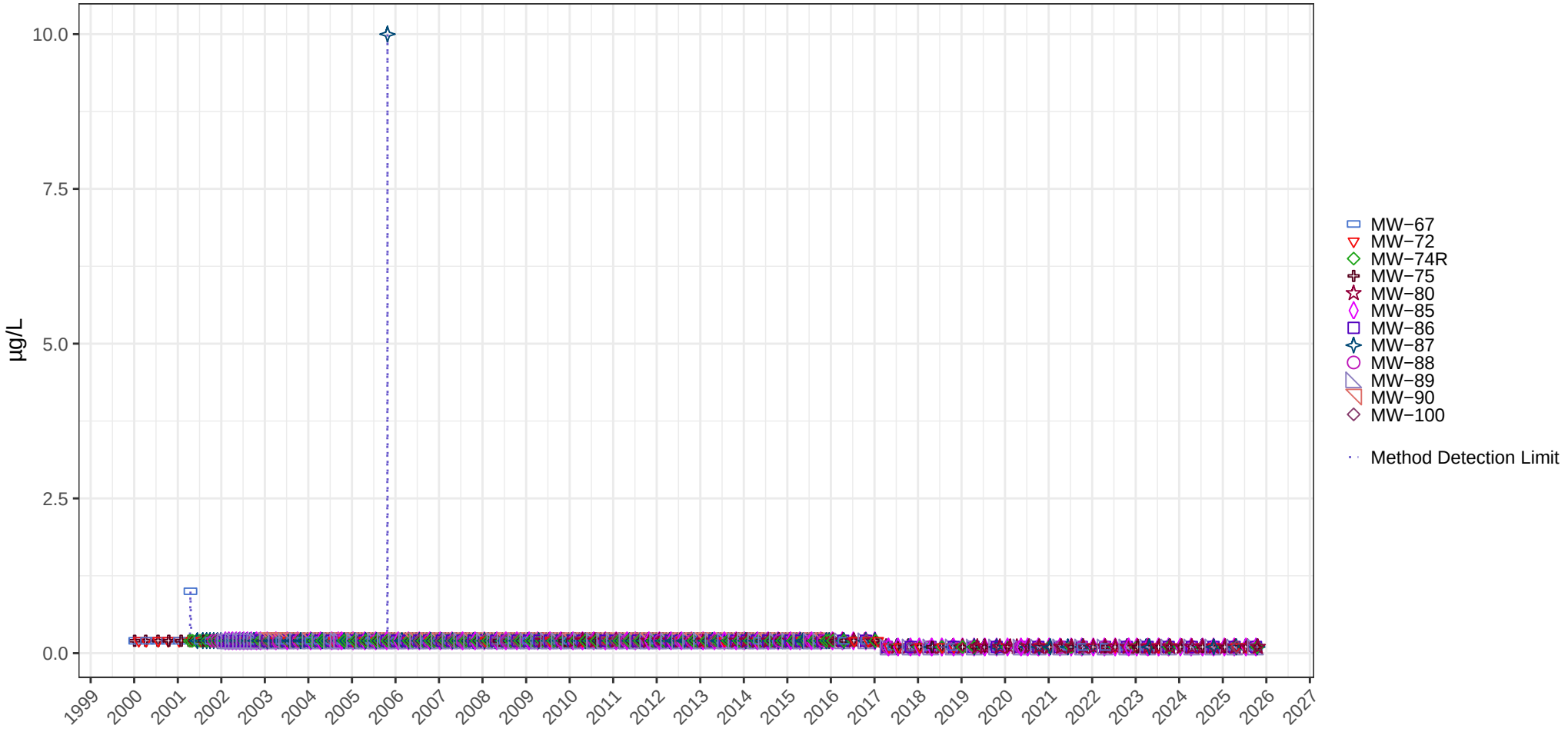
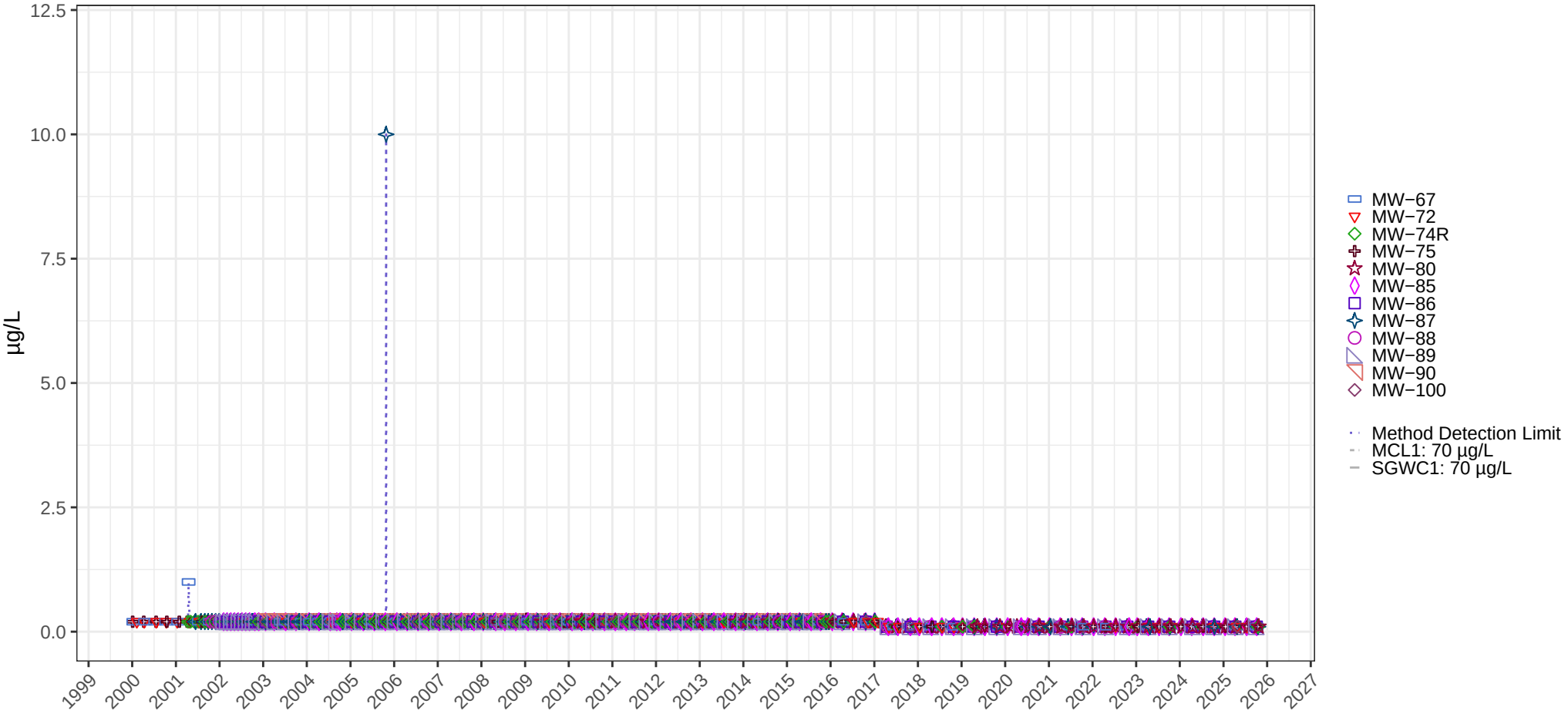


Figure B−182A
Regional − Downgradient
Cis−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−183A
Regional − Downgradient
Dichlorodifluoromethane

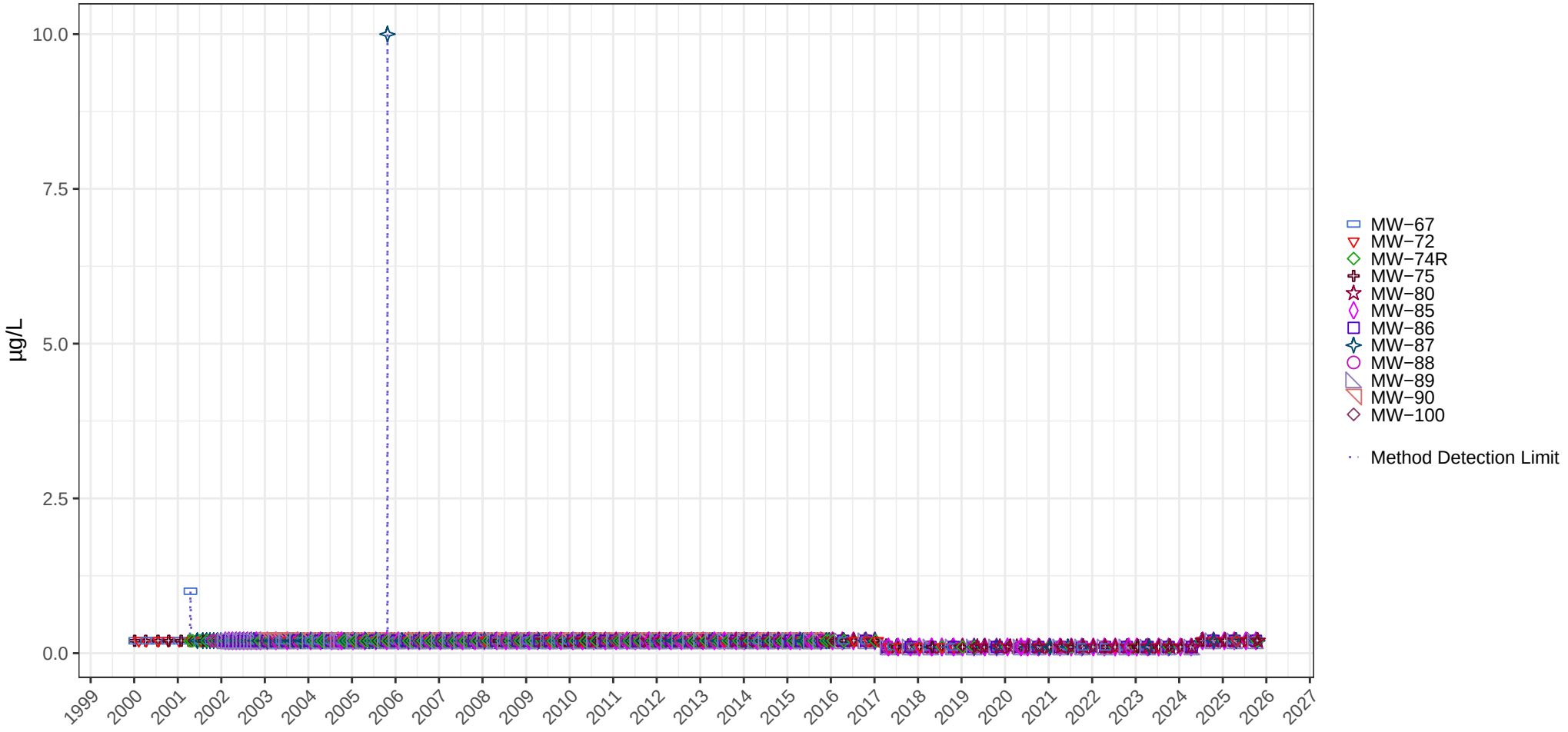
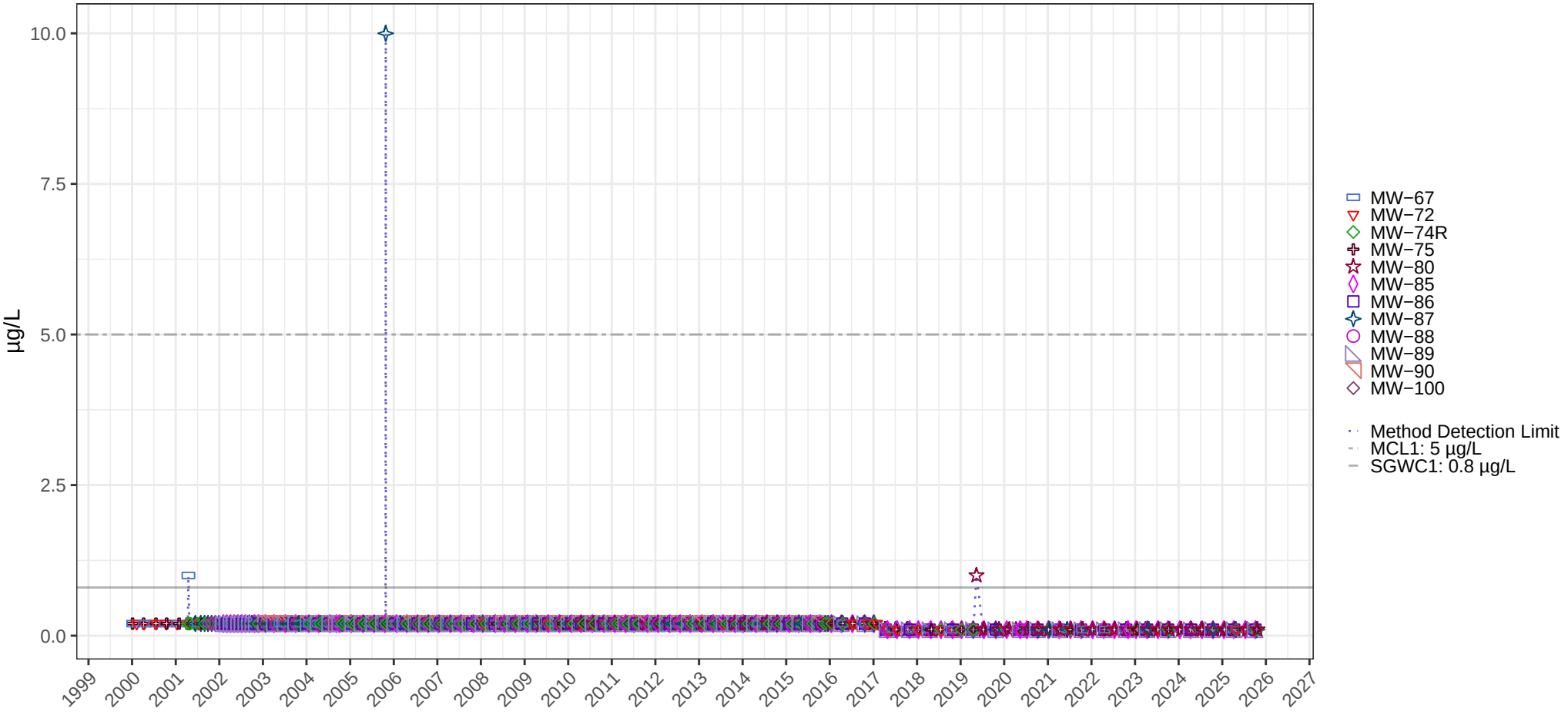
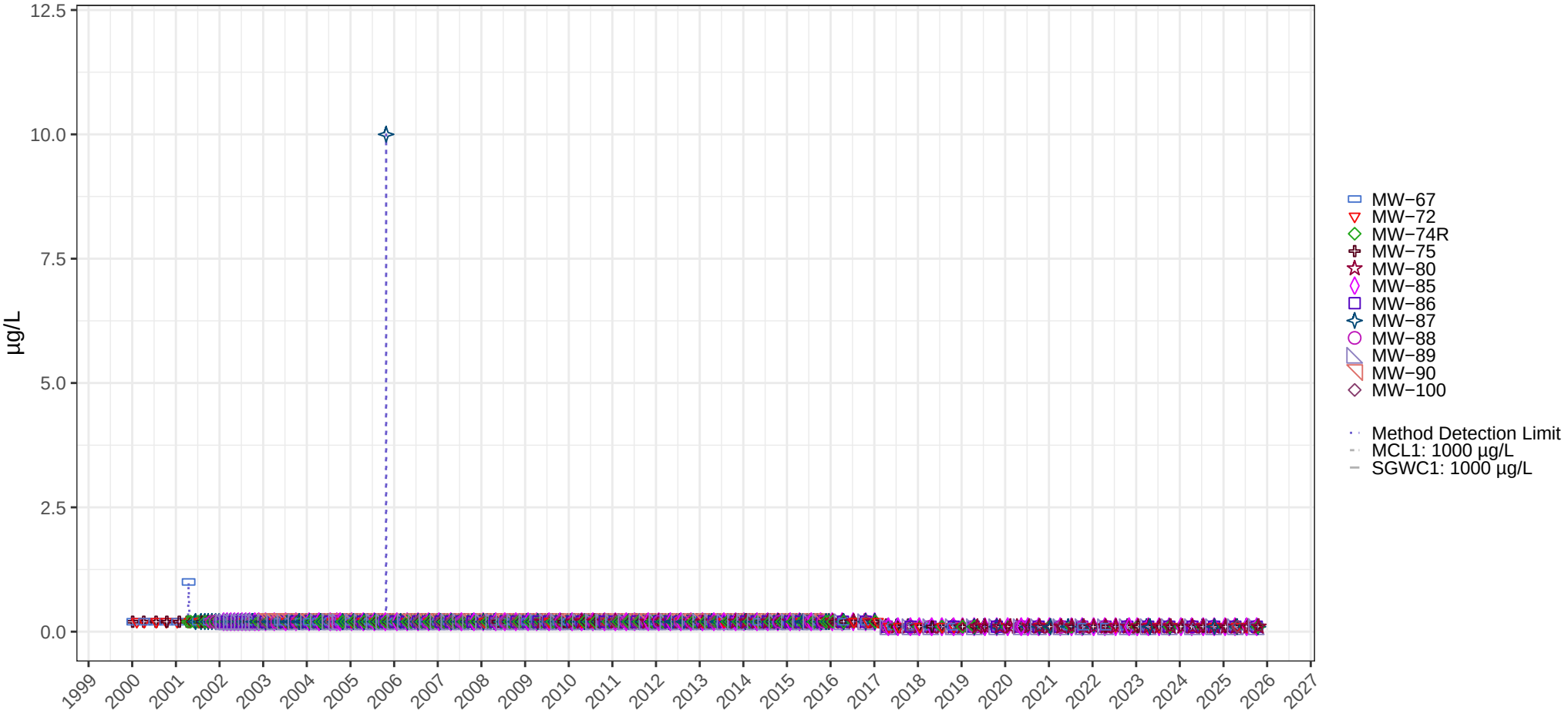


Figure B−184A
Regional − Downgradient
Tetrachloroethene



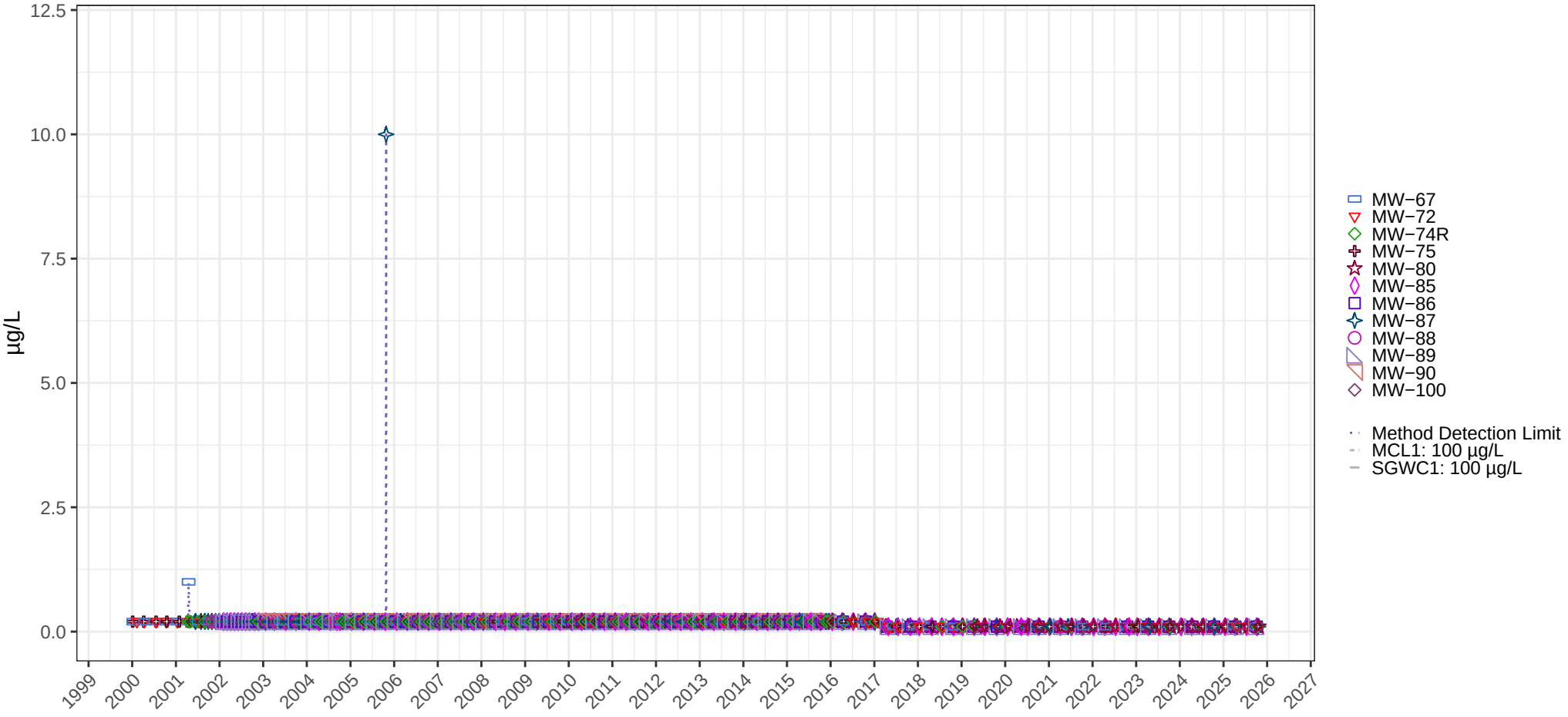
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−185A
Regional − Downgradient
Toluene



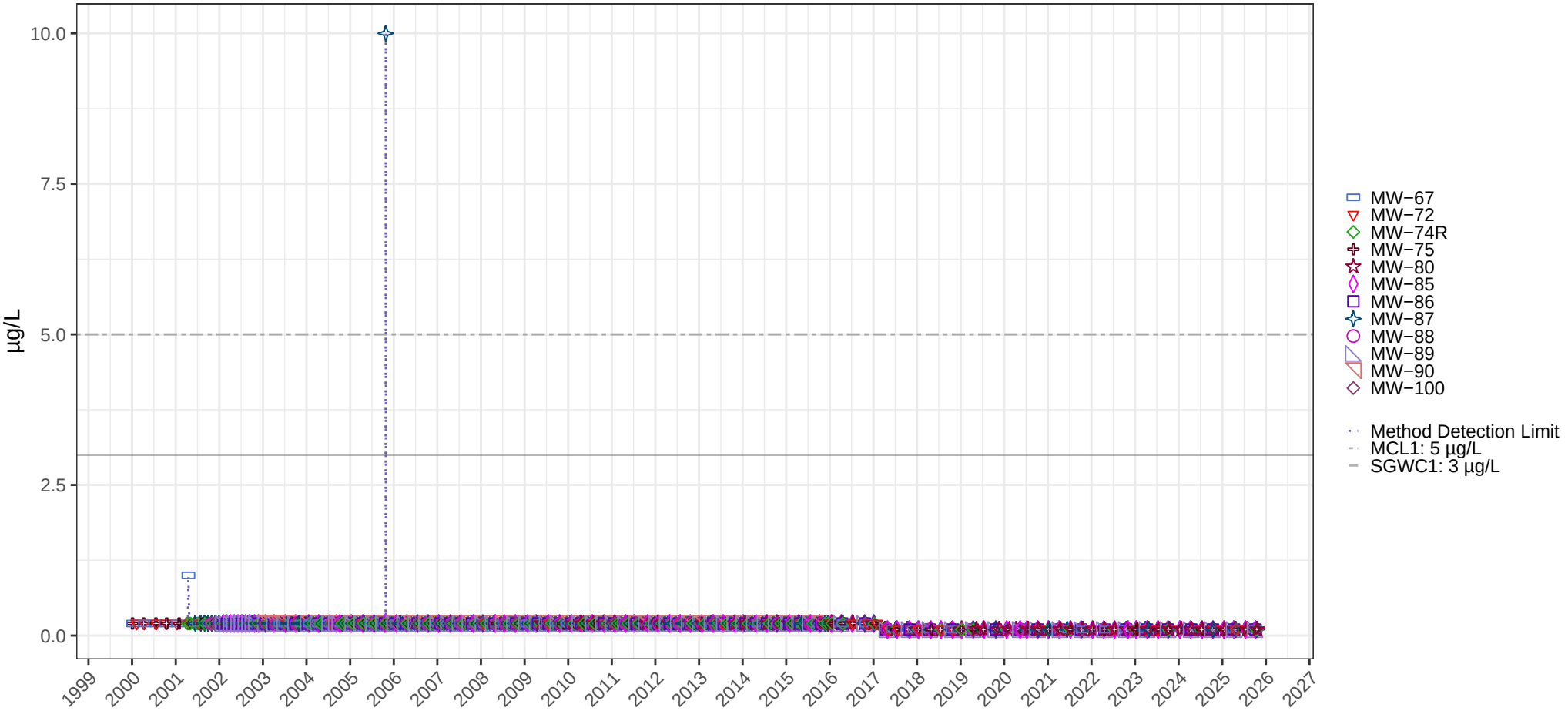
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−186A
Regional − Downgradient
Trans−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−187A
Regional − Downgradient
Trichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−188A
Regional − Downgradient
Trichlorofluoromethane

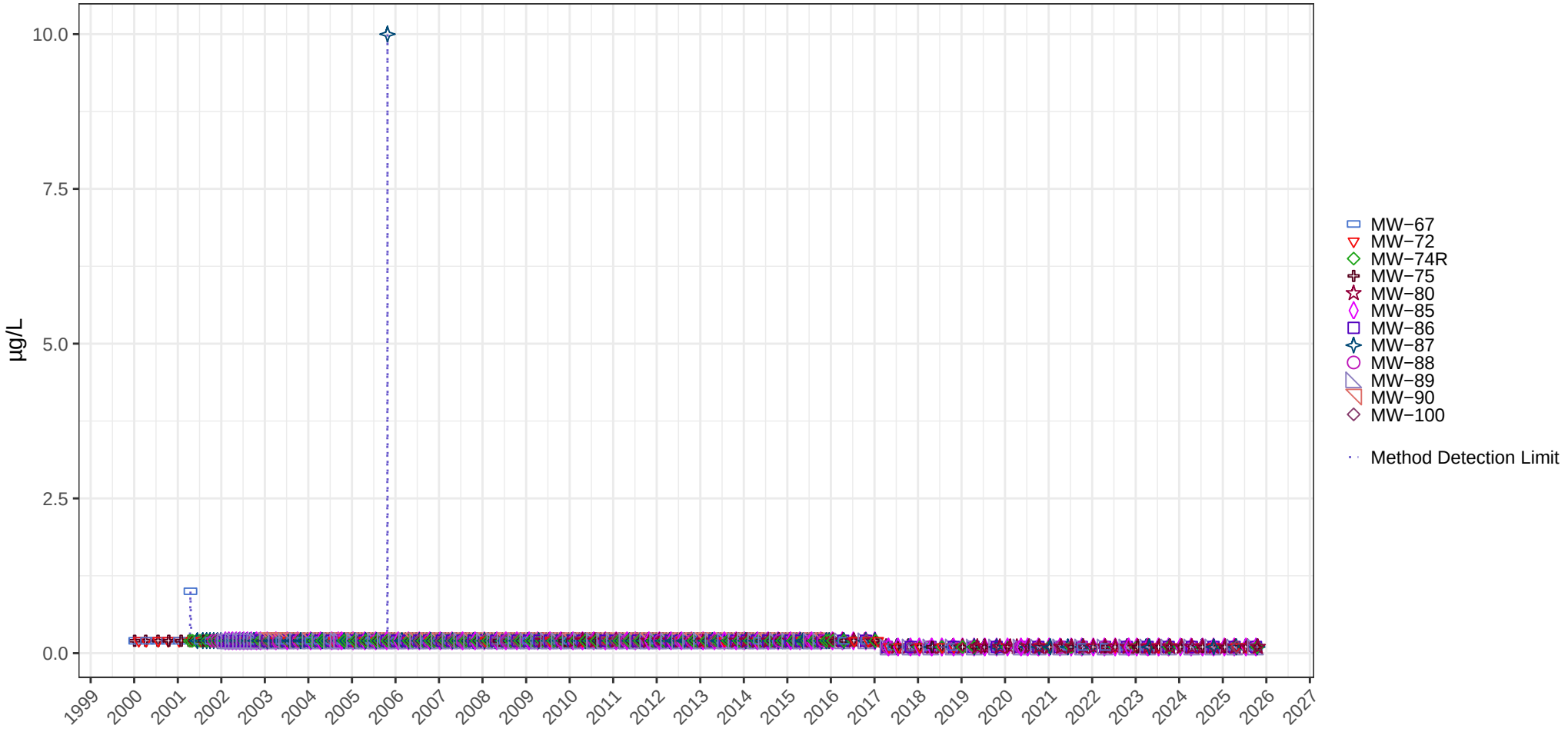
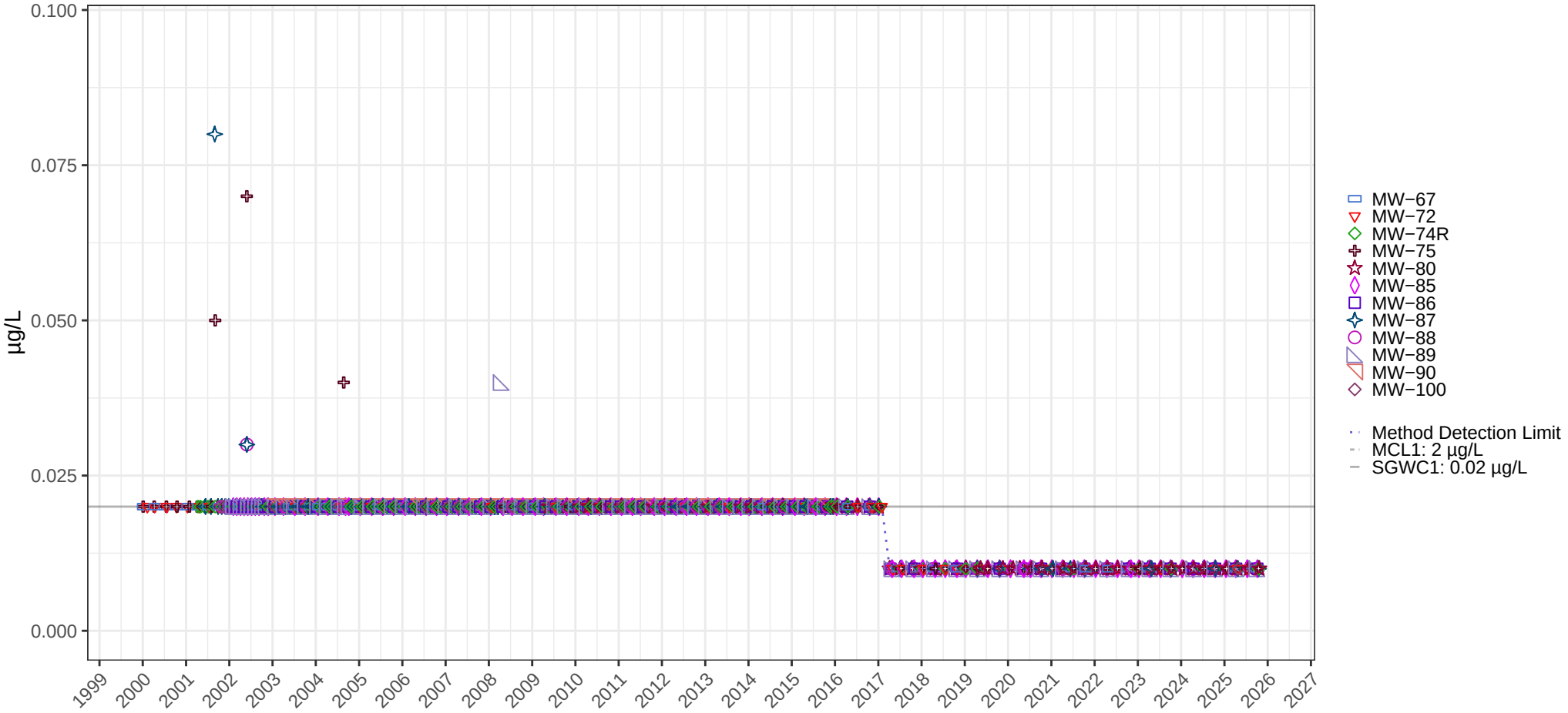


Figure B−189A
Regional − Downgradient
Vinyl Chloride



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−190B
Regional − Downgradient
Alkalinity, Total (as CaCO3)

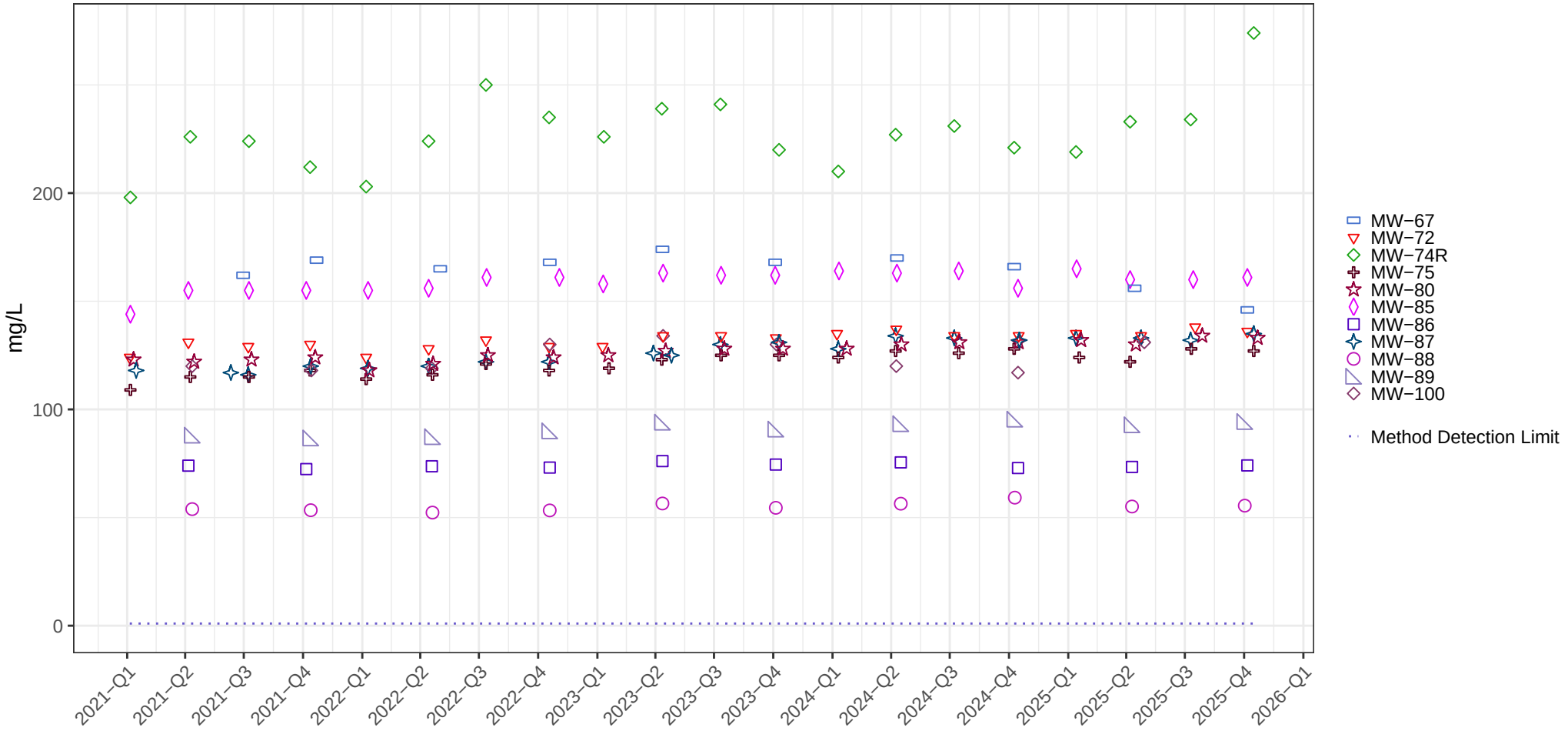


Figure B−191B
Regional − Downgradient
Ammonia As N

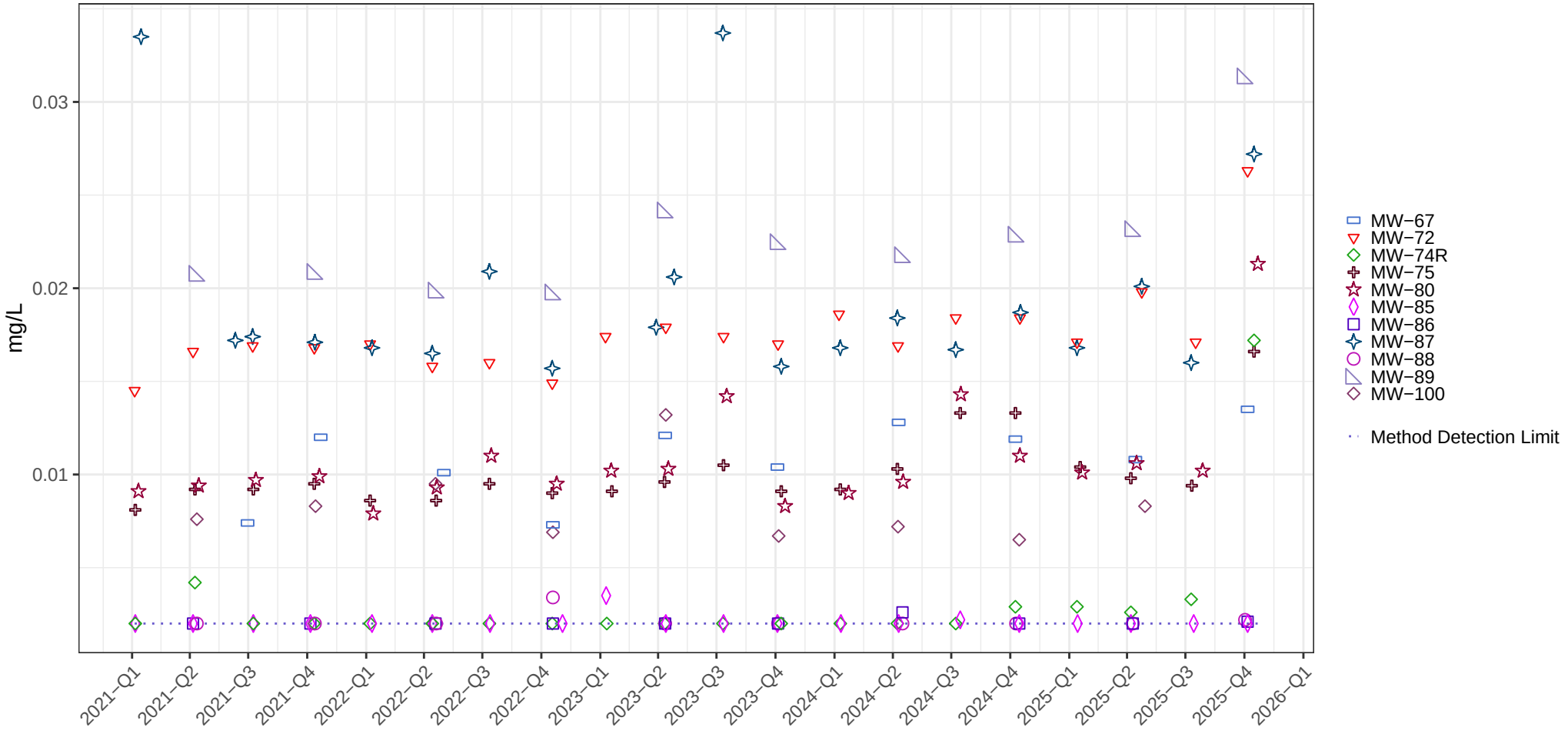
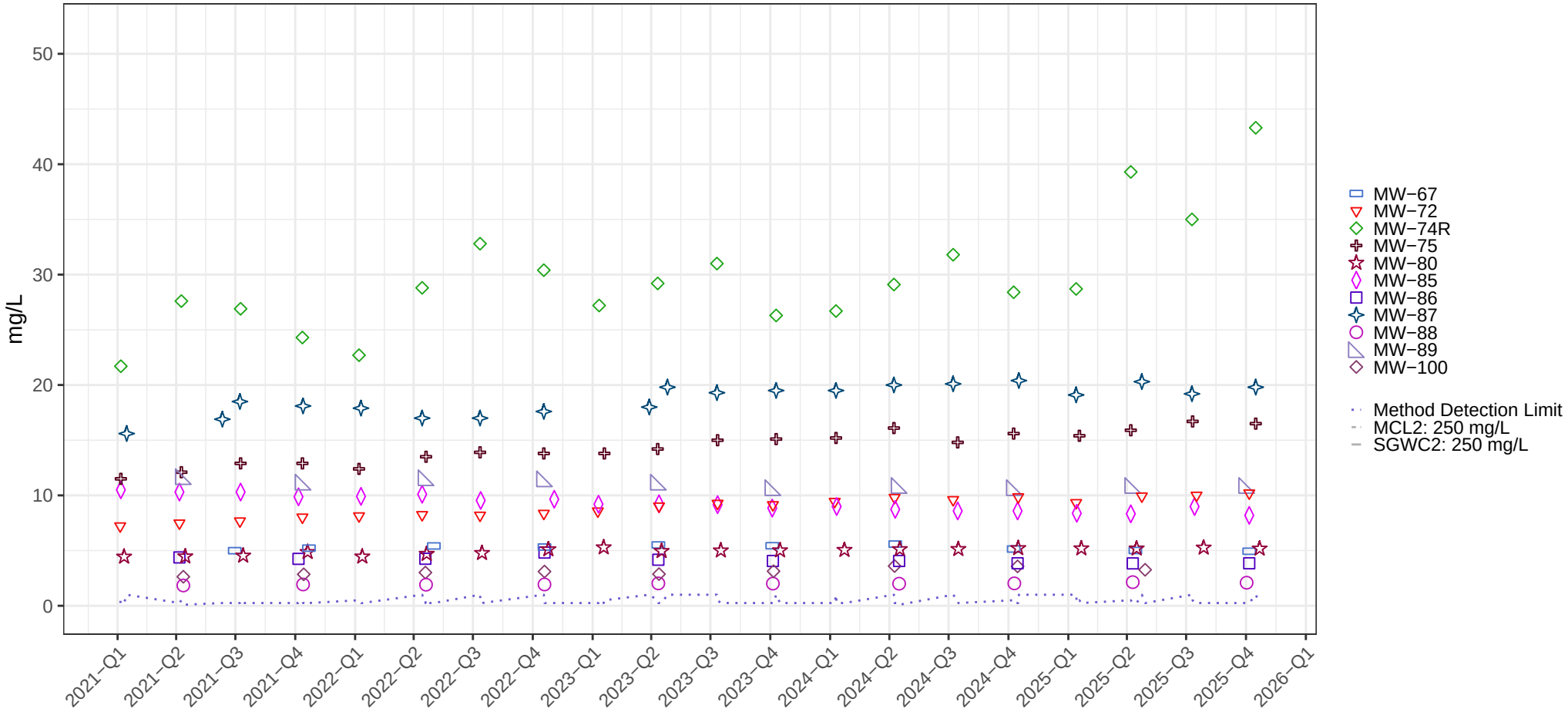
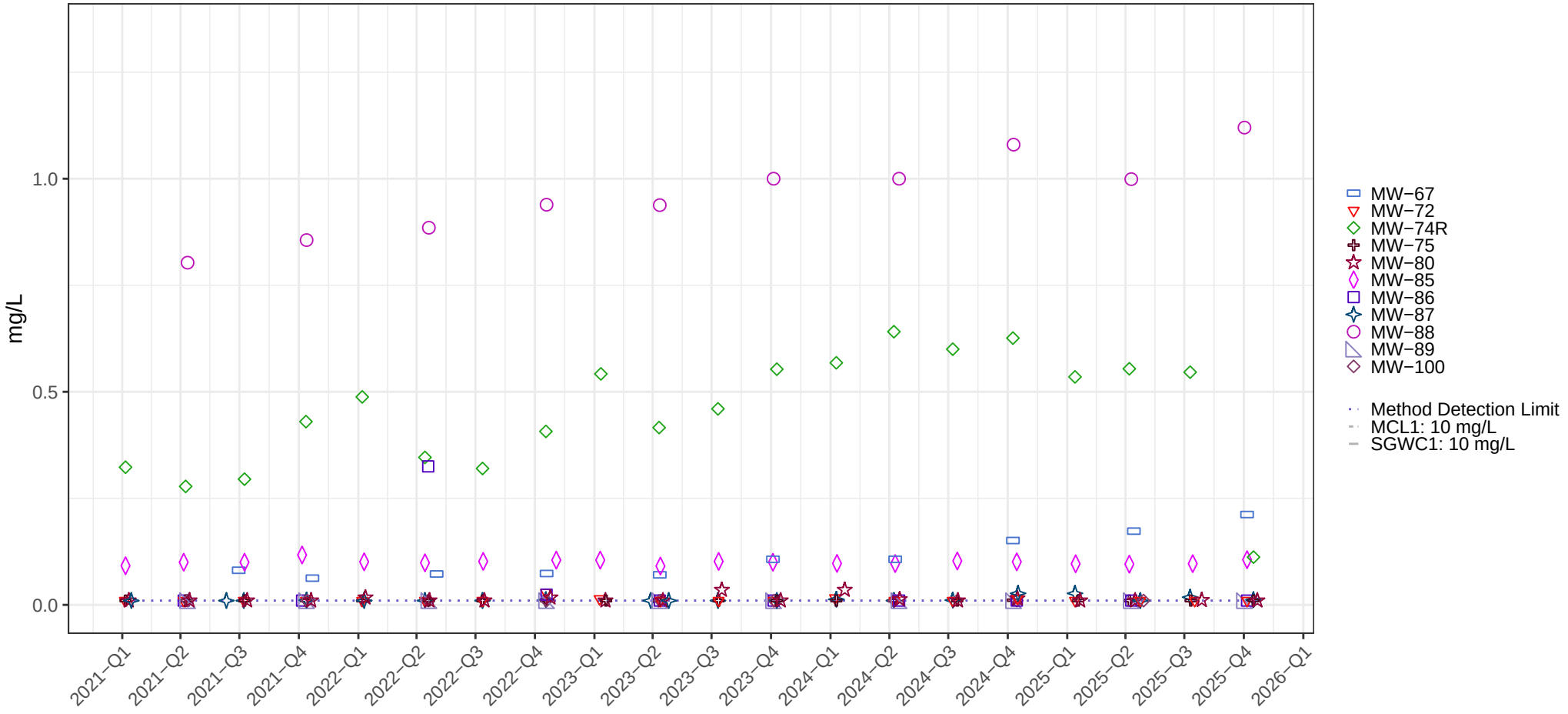


Figure B−192B
Regional − Downgradient
Chloride



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−193B
Regional − Downgradient
Nitrate



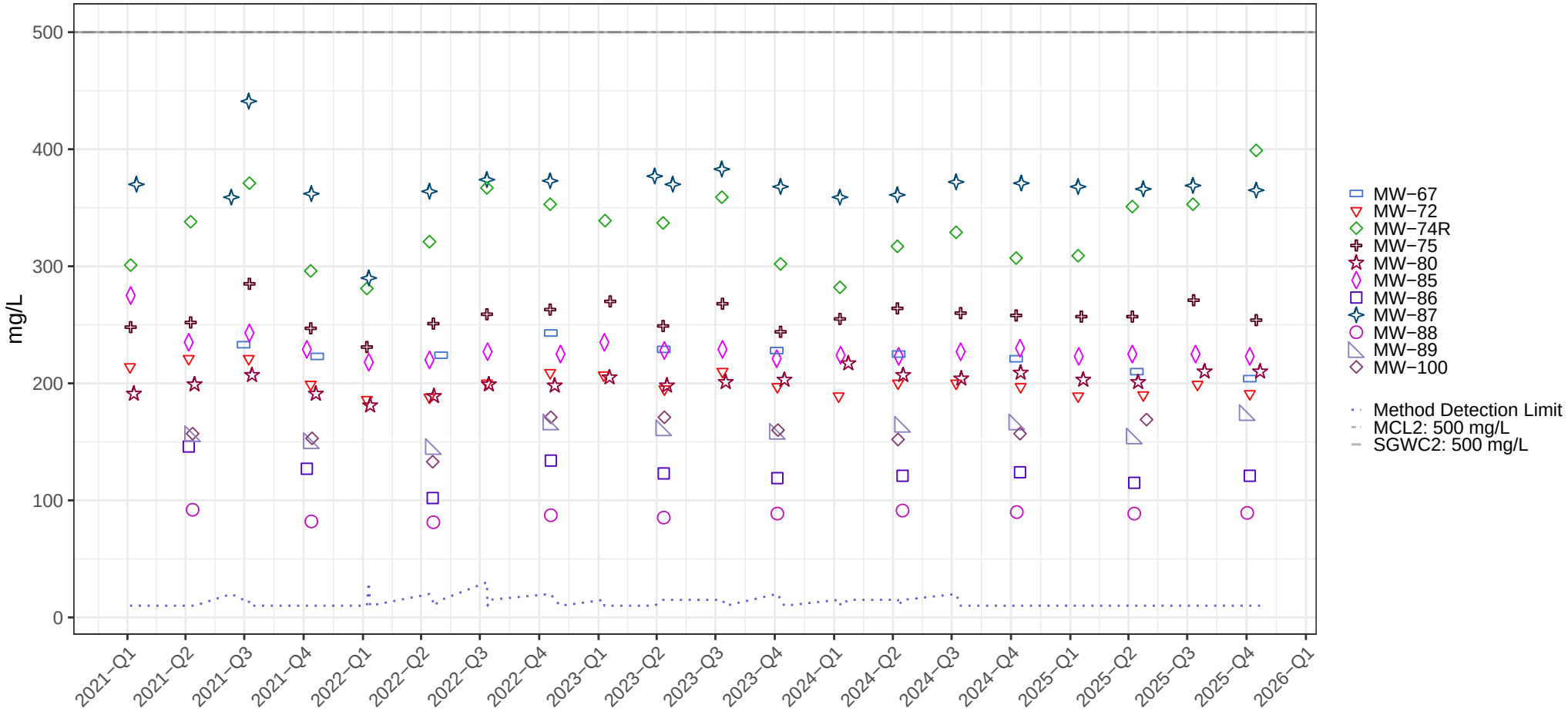
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−194B
Regional − Downgradient
Sulfate



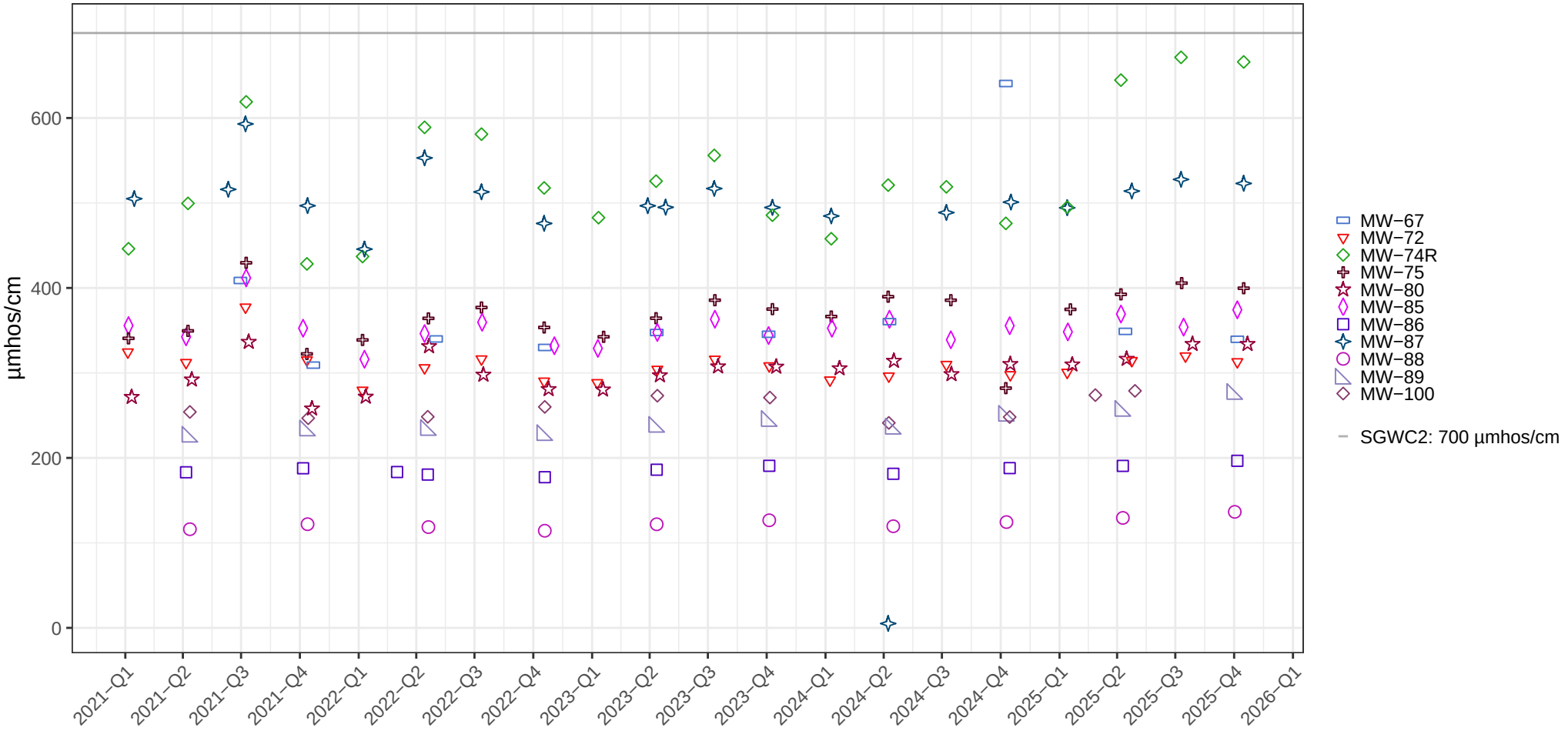
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−195B
Regional − Downgradient
Total Dissolved Solids



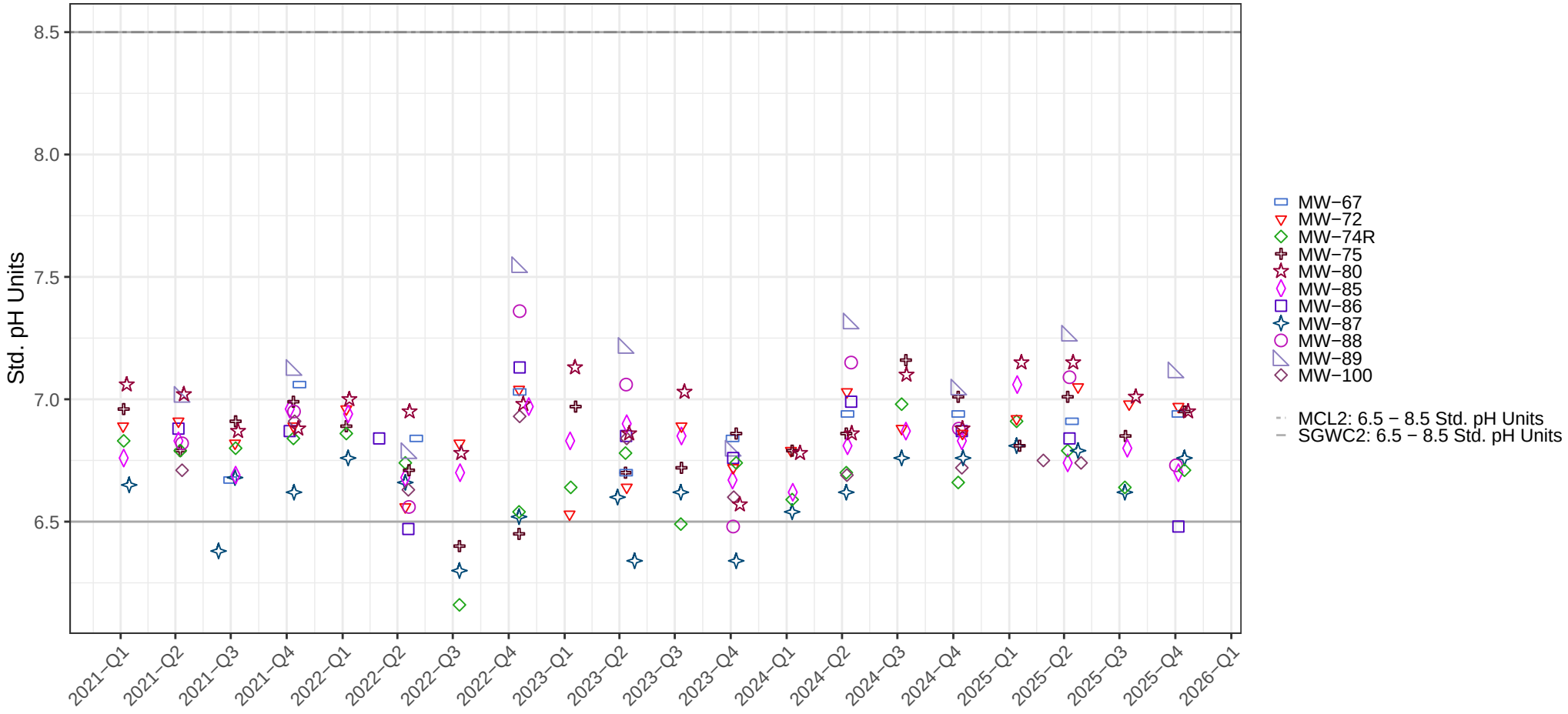
SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−196B
Regional − Downgradient
Specific Conductivity, Field



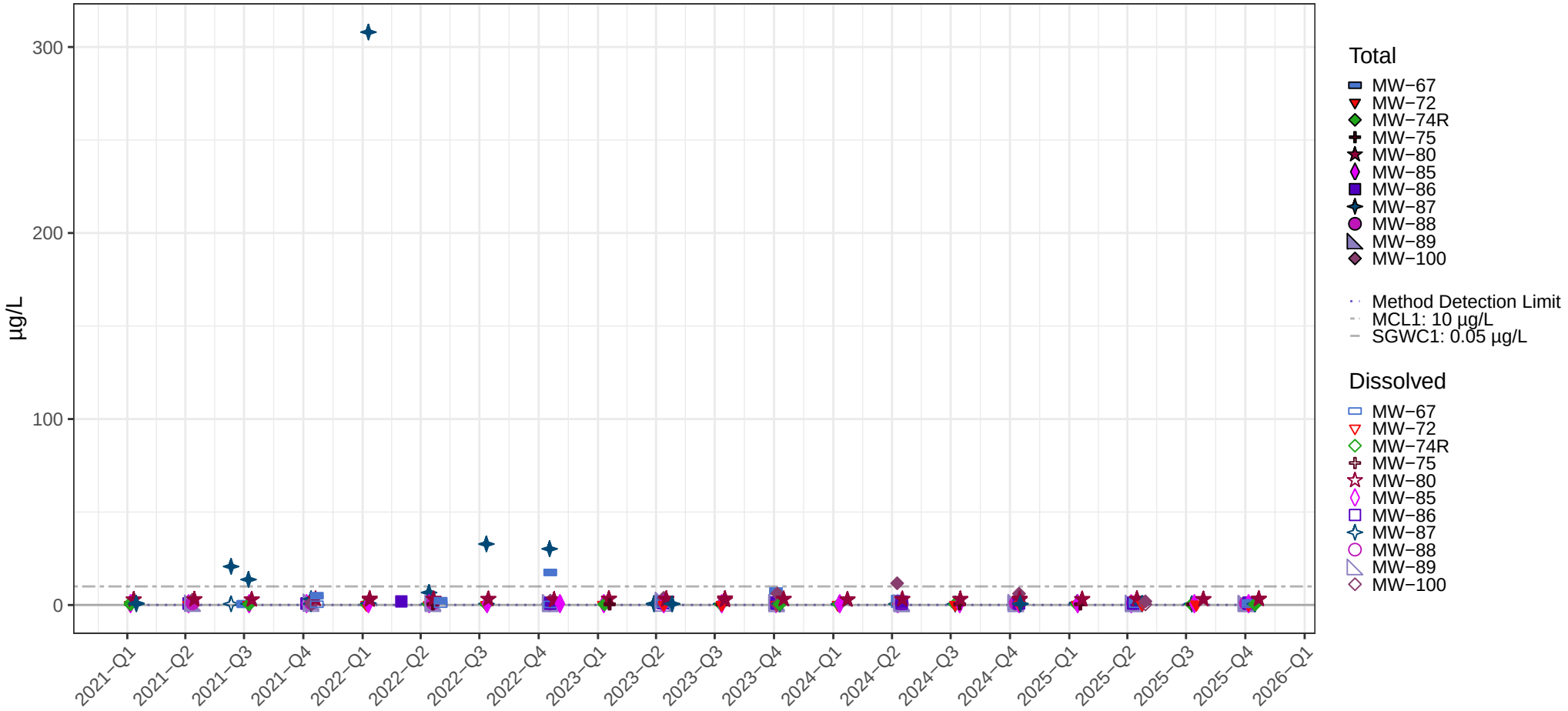
SGWC2: Washington State Secondary Groundwater Quality Criteria

Figure B−197B
Regional − Downgradient
pH, Field



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−198B
Regional − Downgradient
Arsenic



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−199B
Regional − Downgradient
Calcium

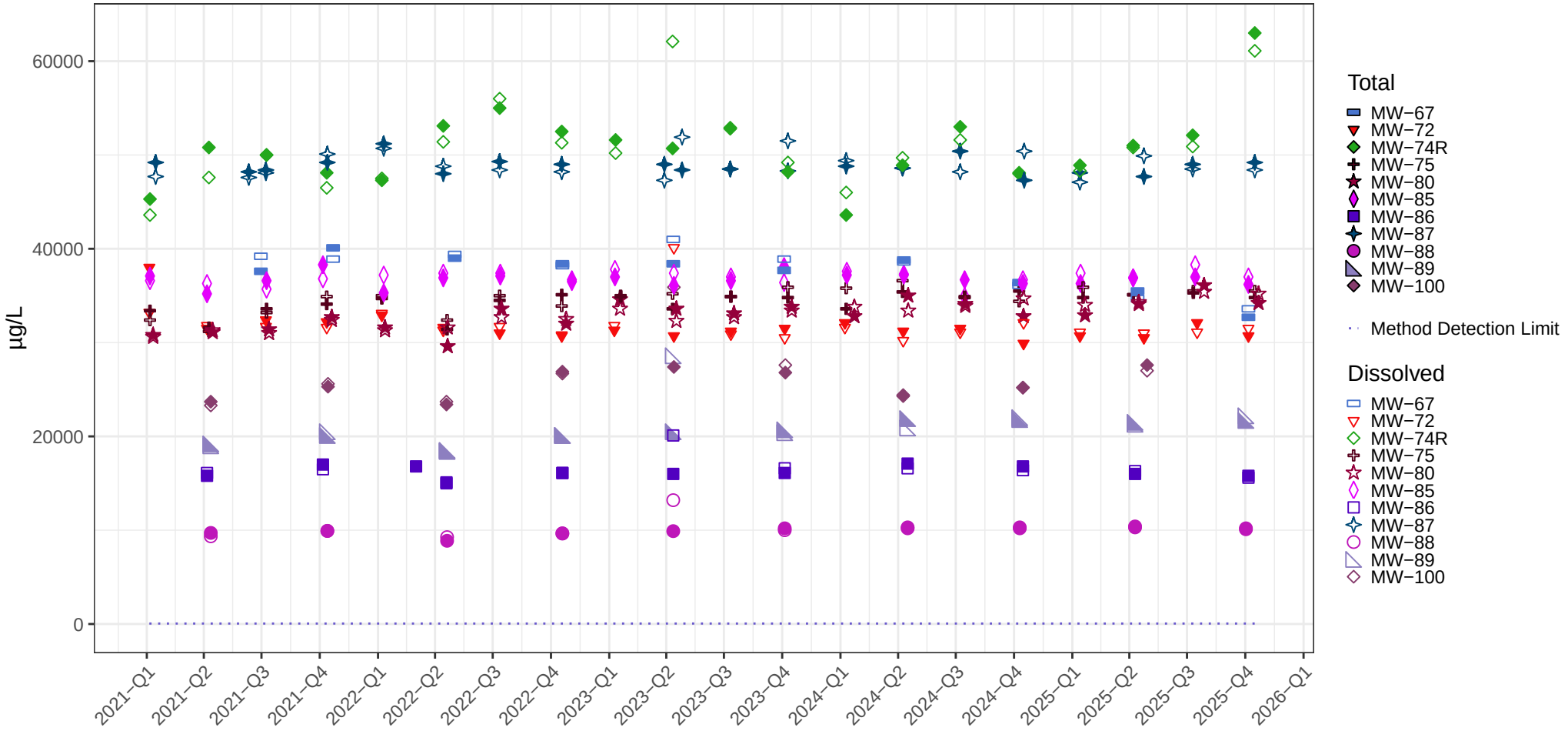
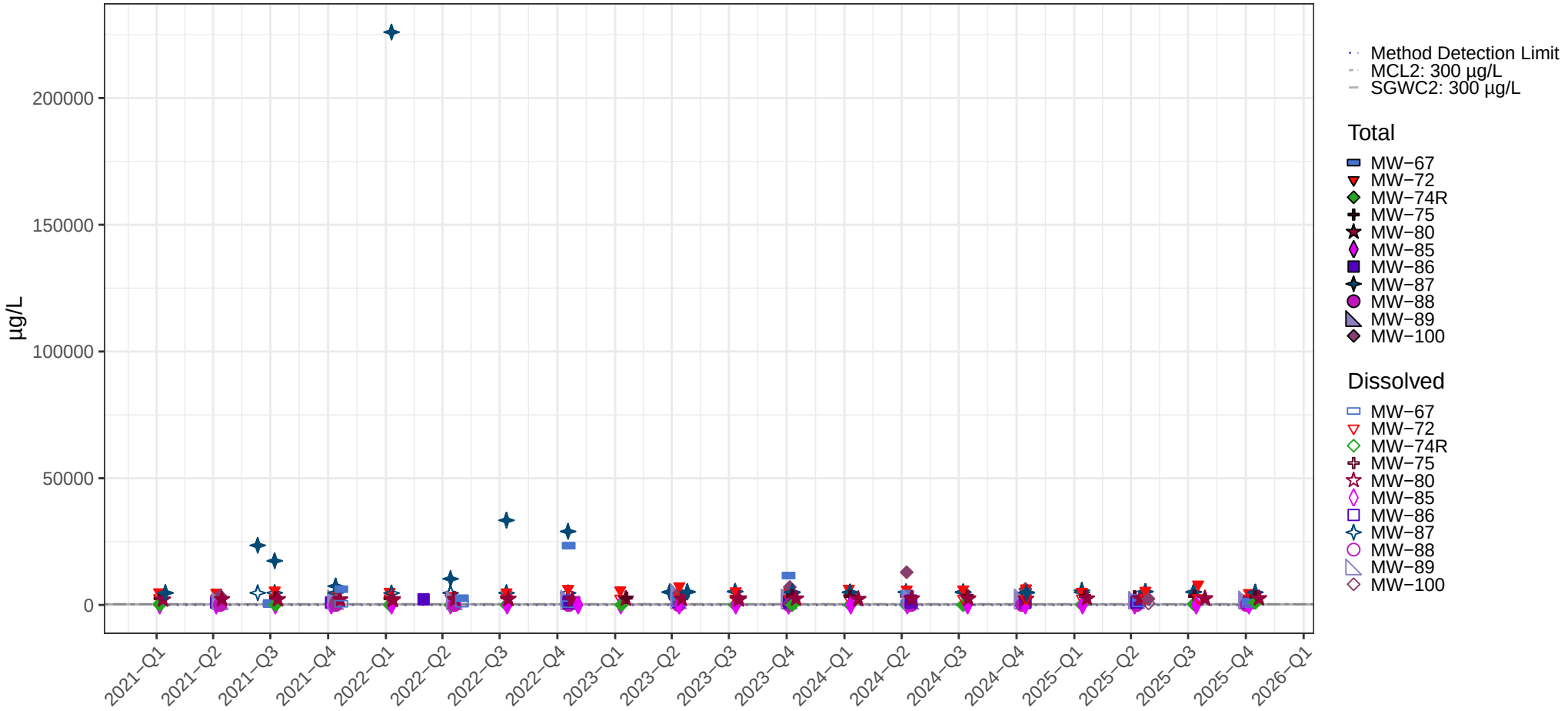


Figure B−200B
Regional − Downgradient
Iron



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−201B
Regional − Downgradient
Magnesium

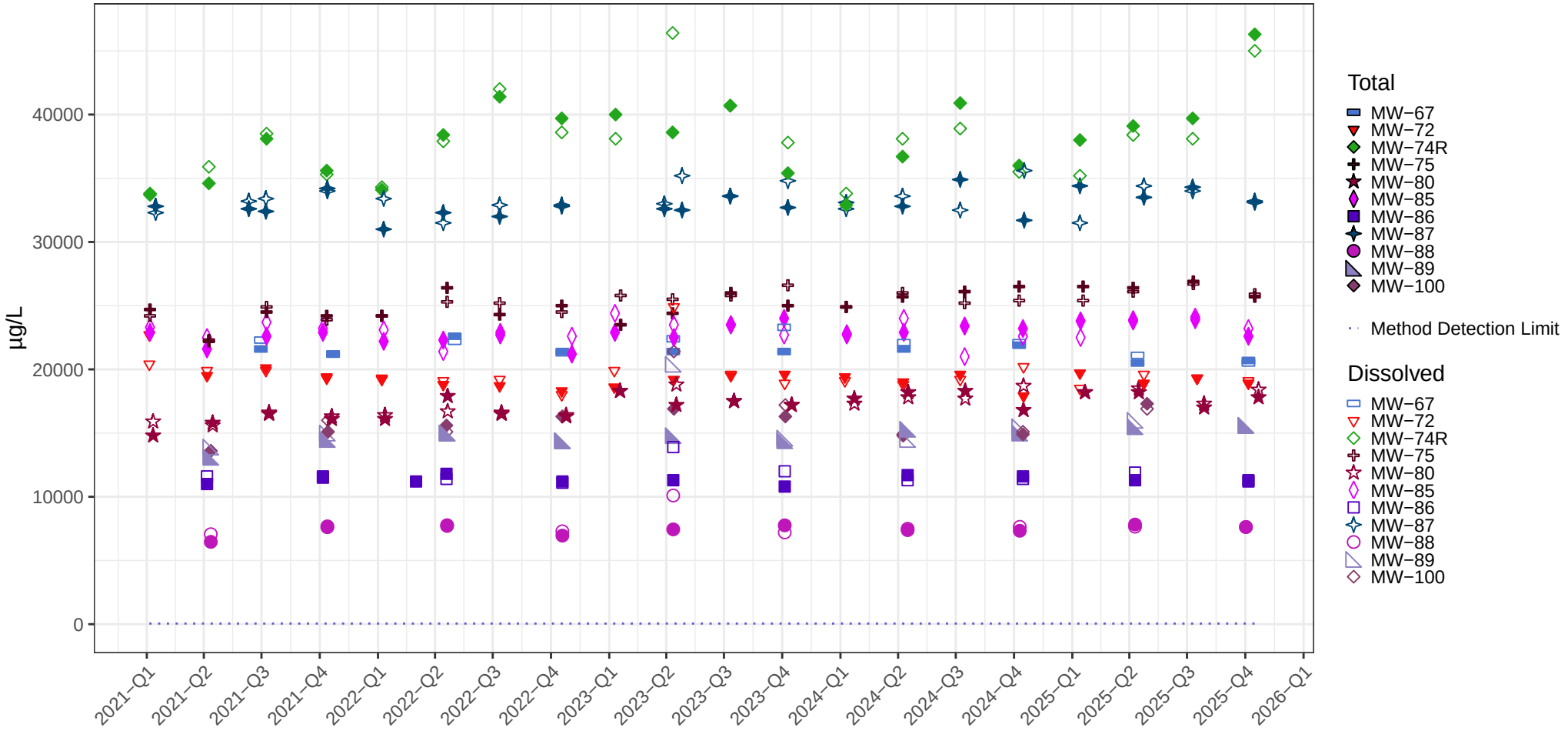
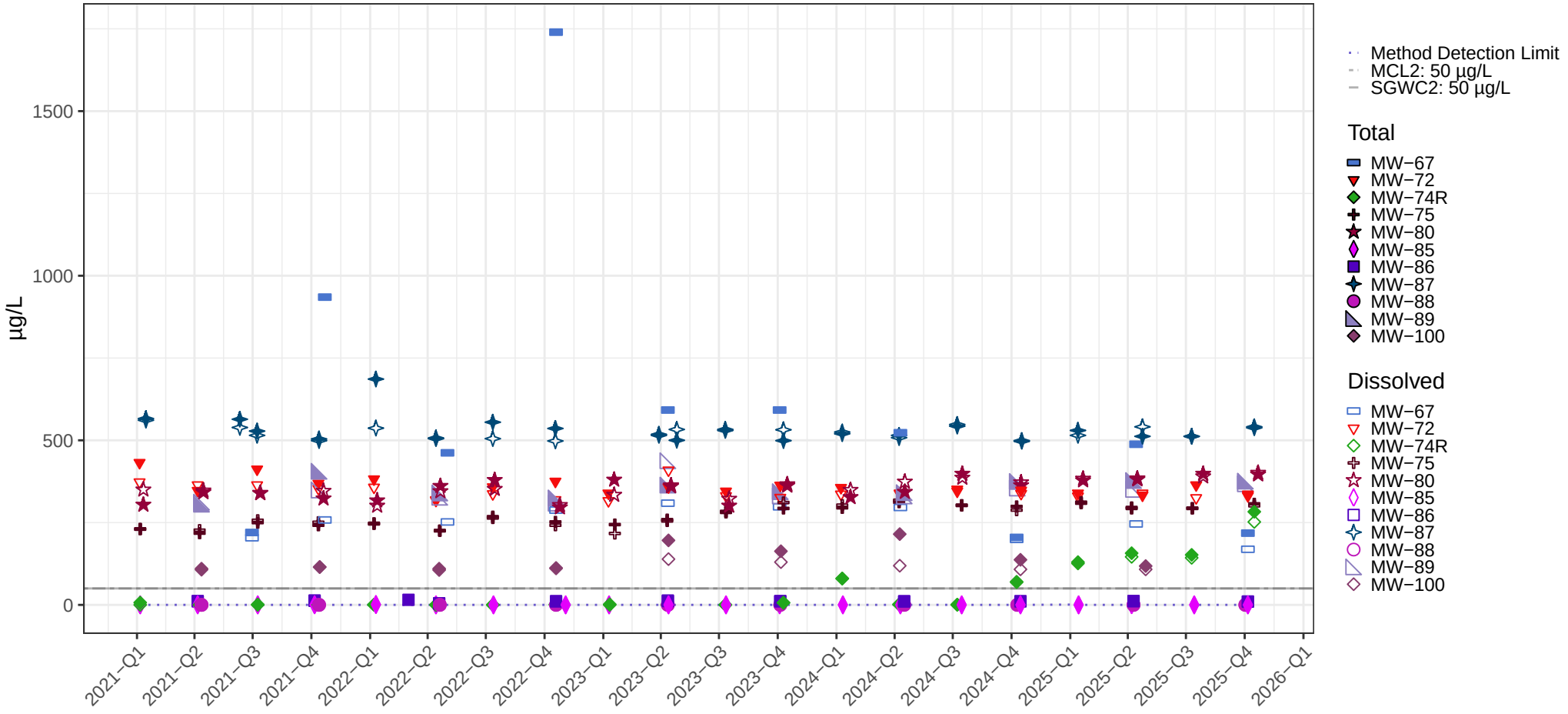


Figure B−202B
Regional − Downgradient
Manganese



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B−203B
Regional − Downgradient
Potassium

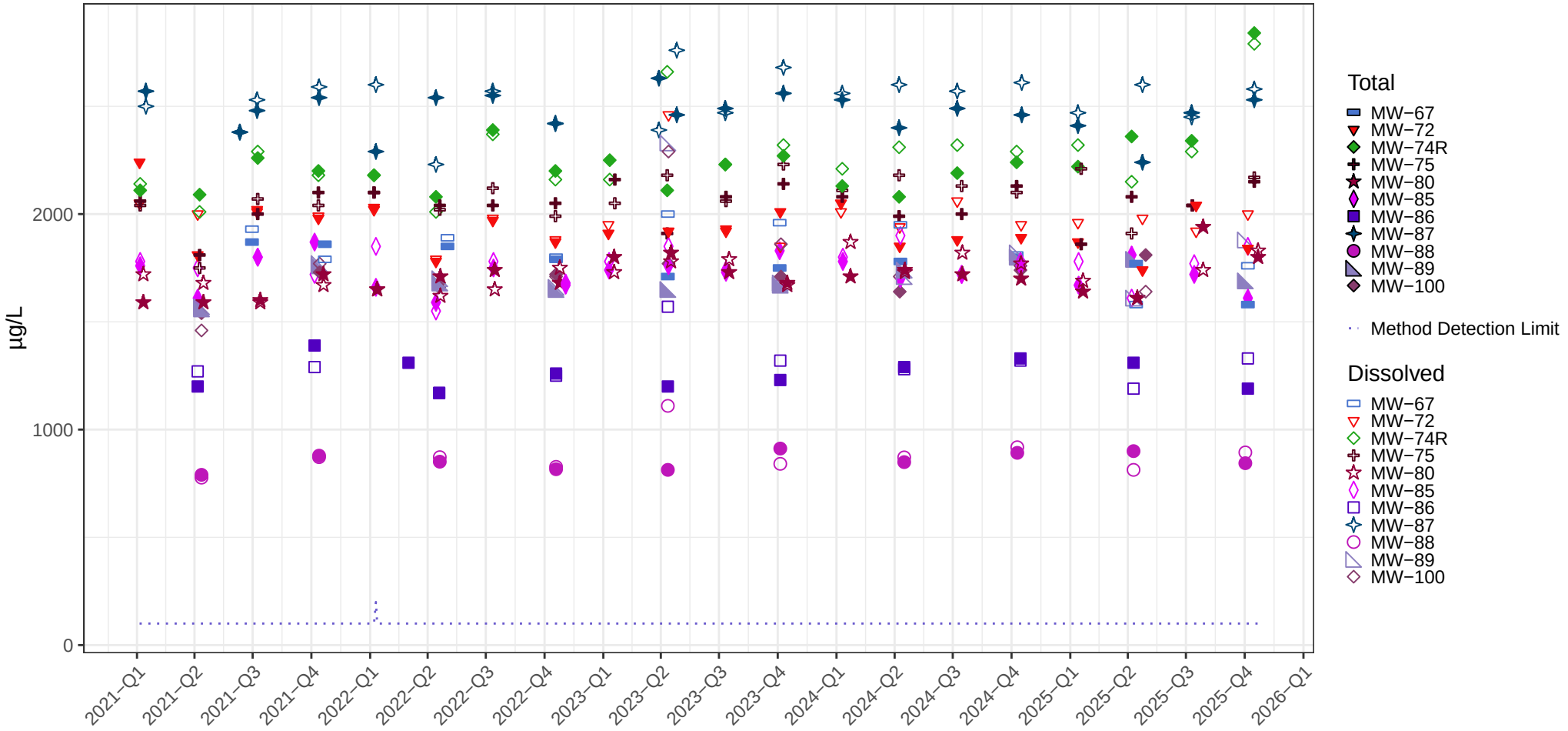
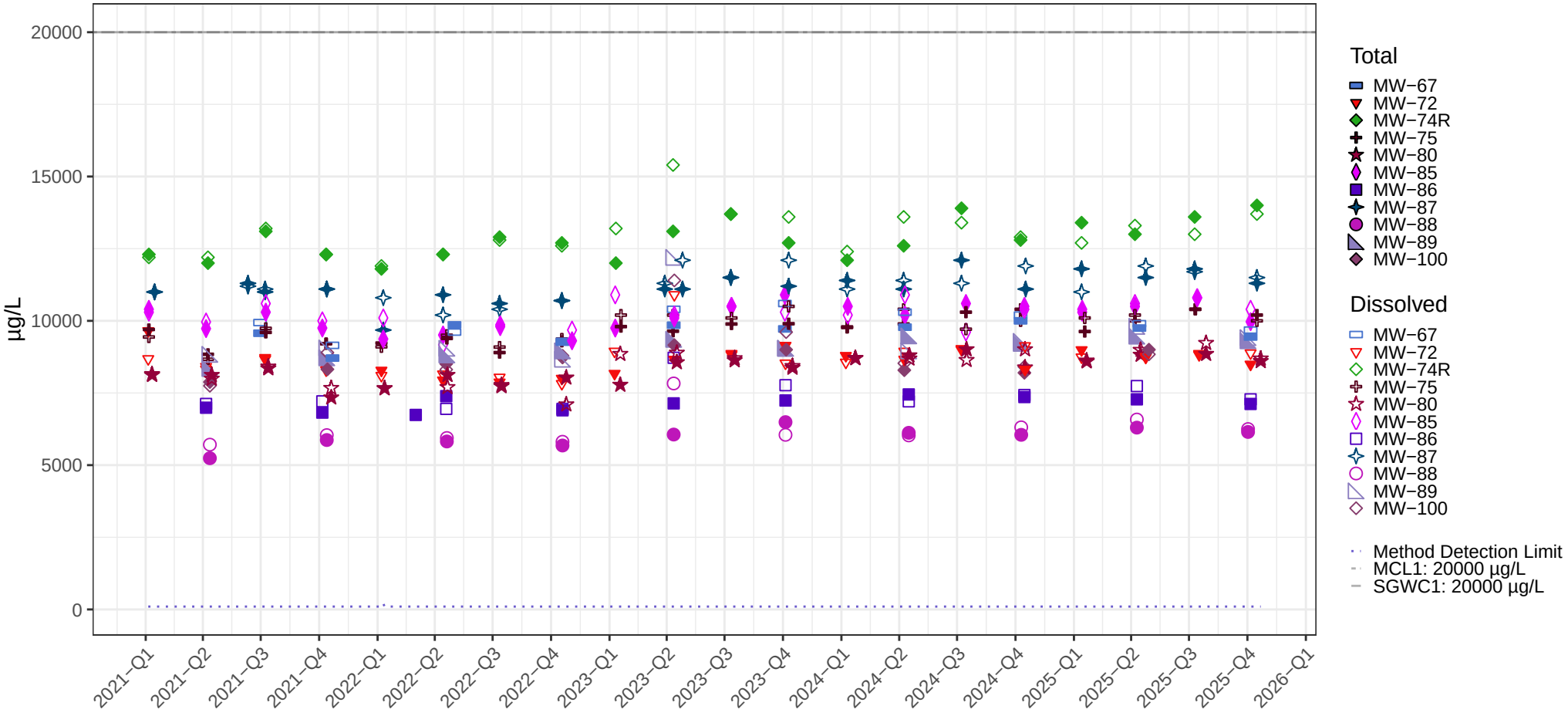
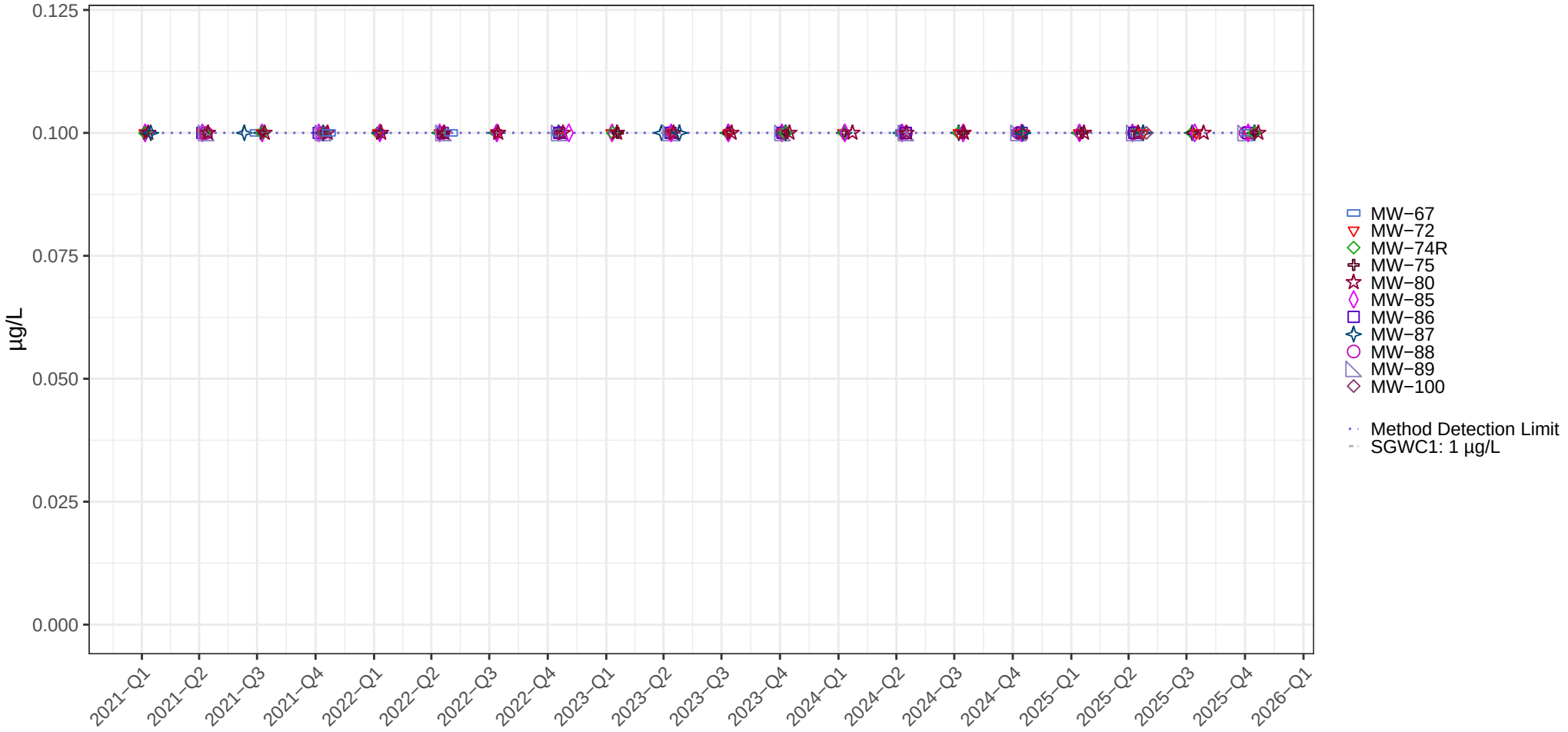


Figure B−204B
Regional − Downgradient
Sodium



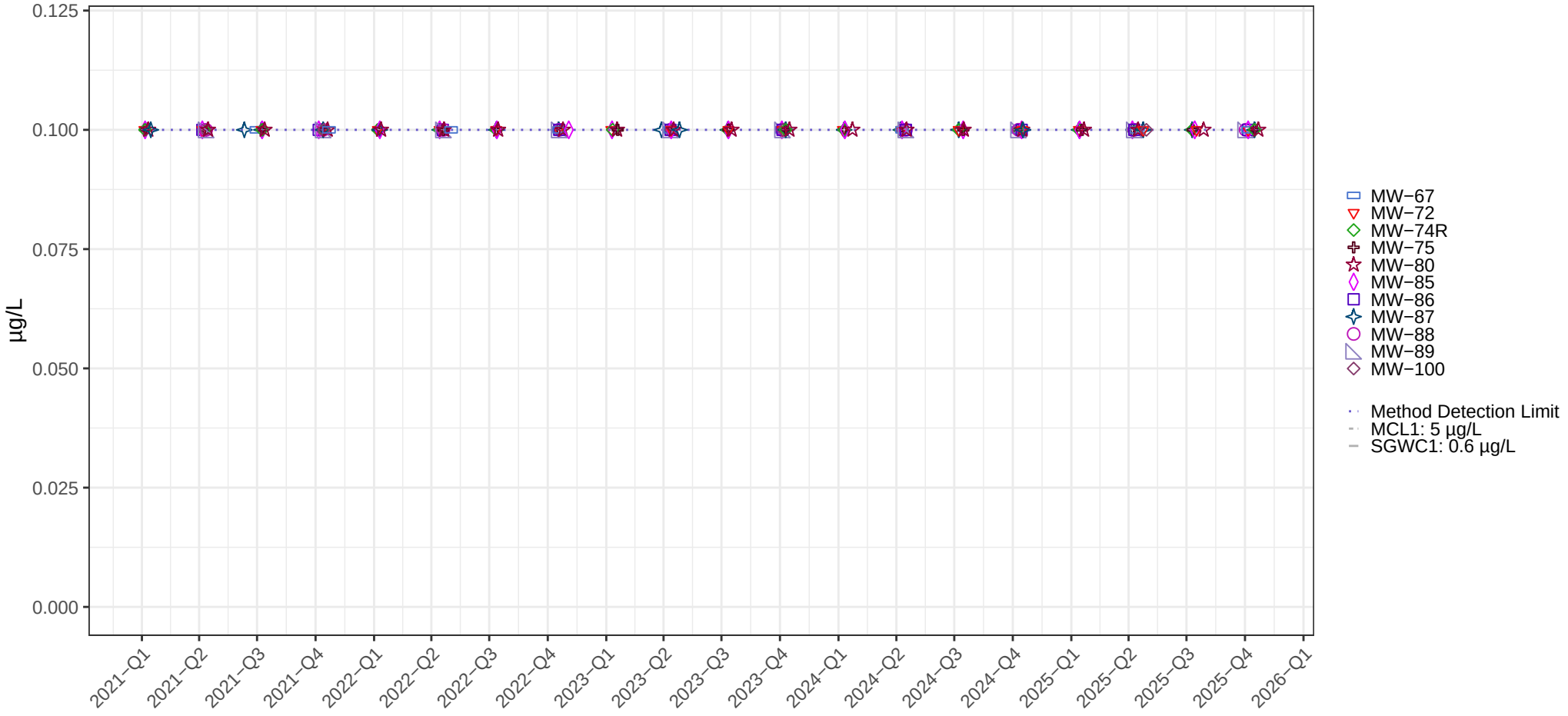
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−205B
Regional − Downgradient
1,1−Dichloroethane



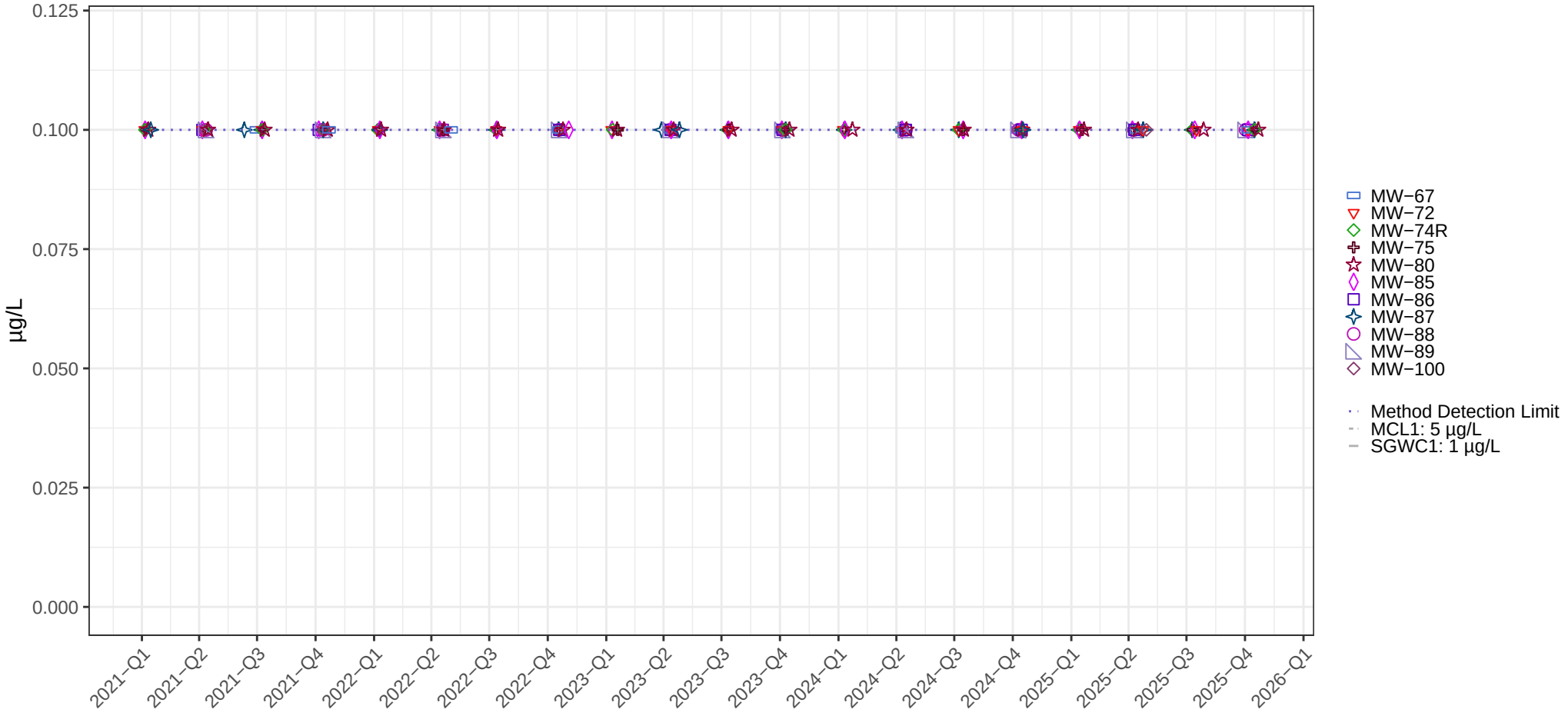
SGWC1: Washington State Primary Groundwater Quality Criteria

Figure B−206B
Regional − Downgradient
1,2−Dichloropropane



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−207B
Regional − Downgradient
Benzene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−208B
Regional − Downgradient
Chloroethane

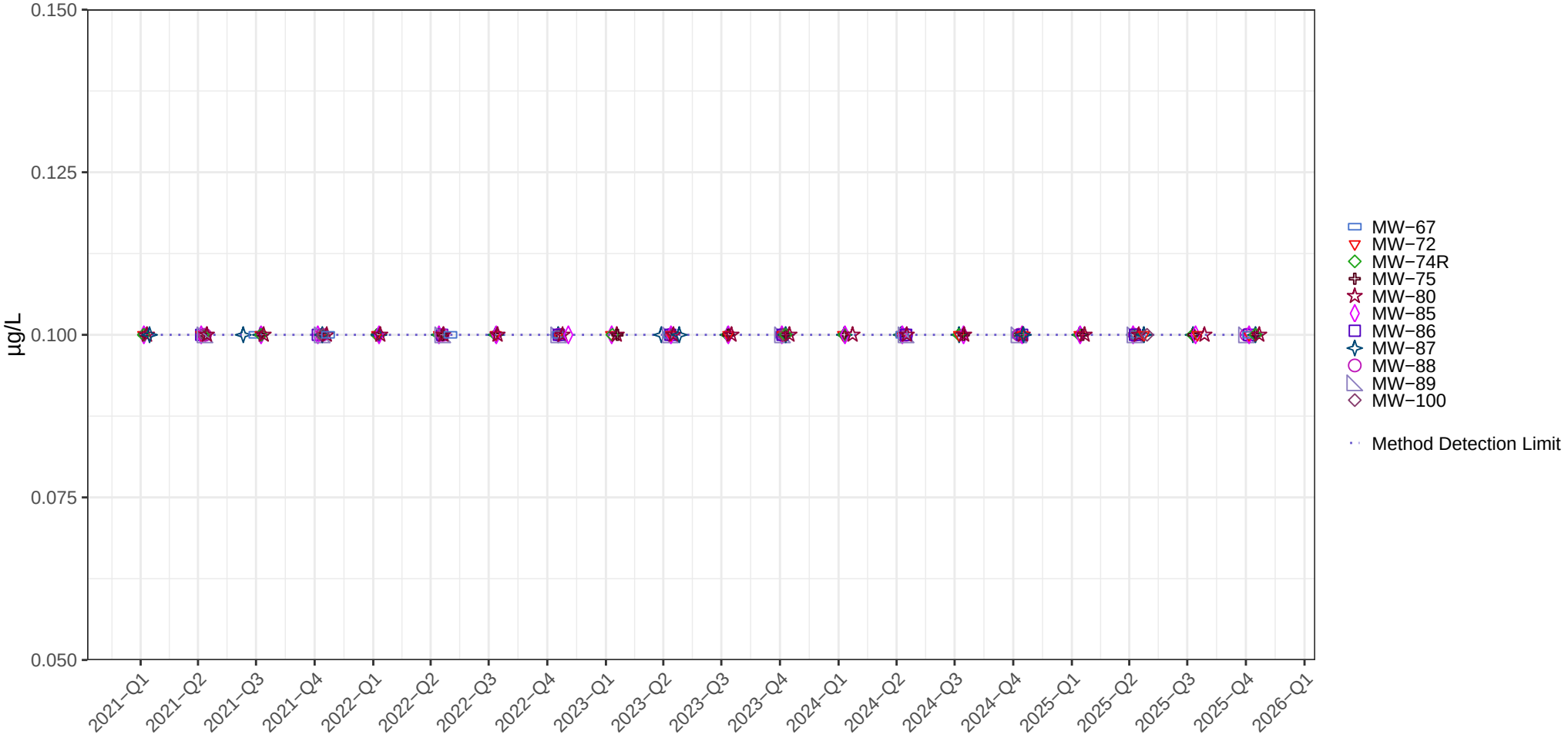
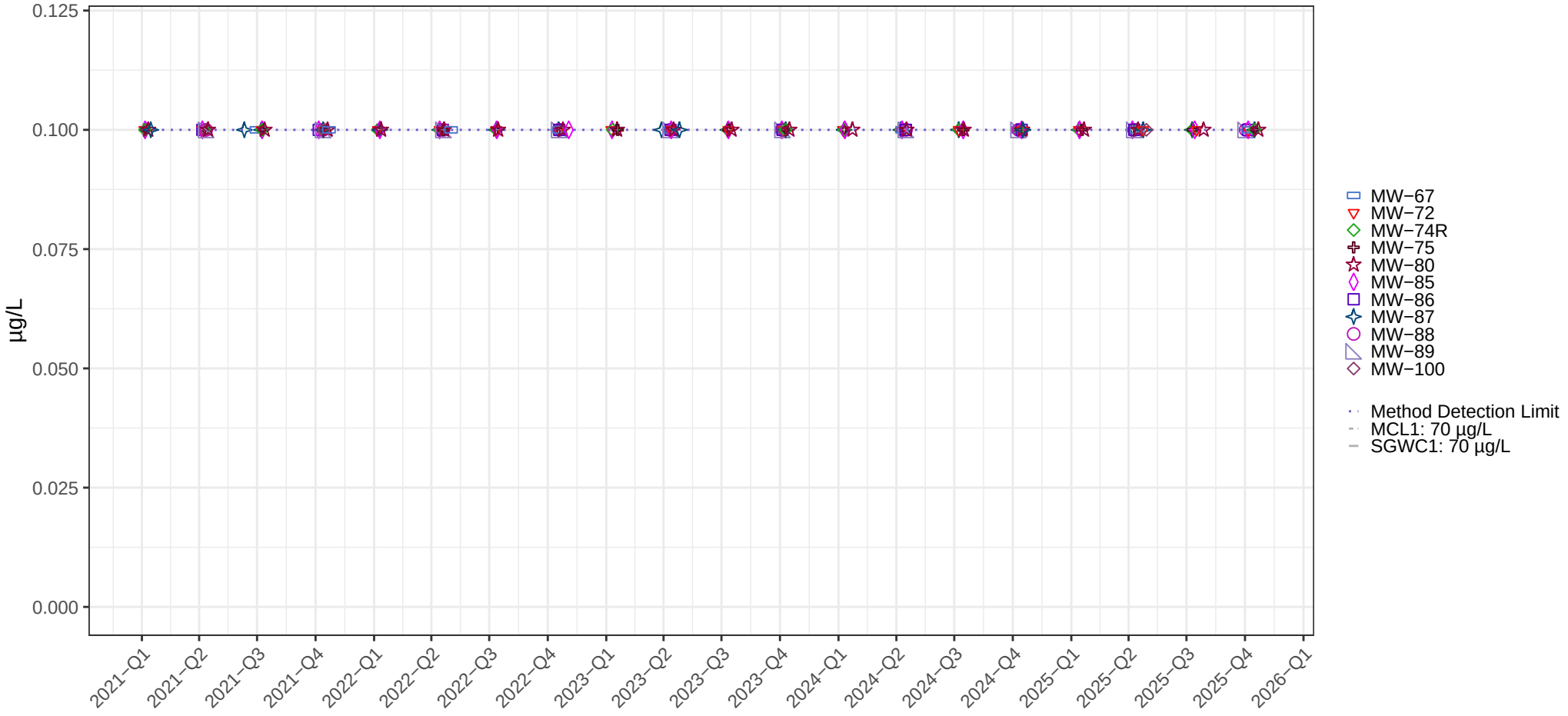


Figure B−209B
Regional − Downgradient
Cis−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−210B
Regional − Downgradient
Dichlorodifluoromethane

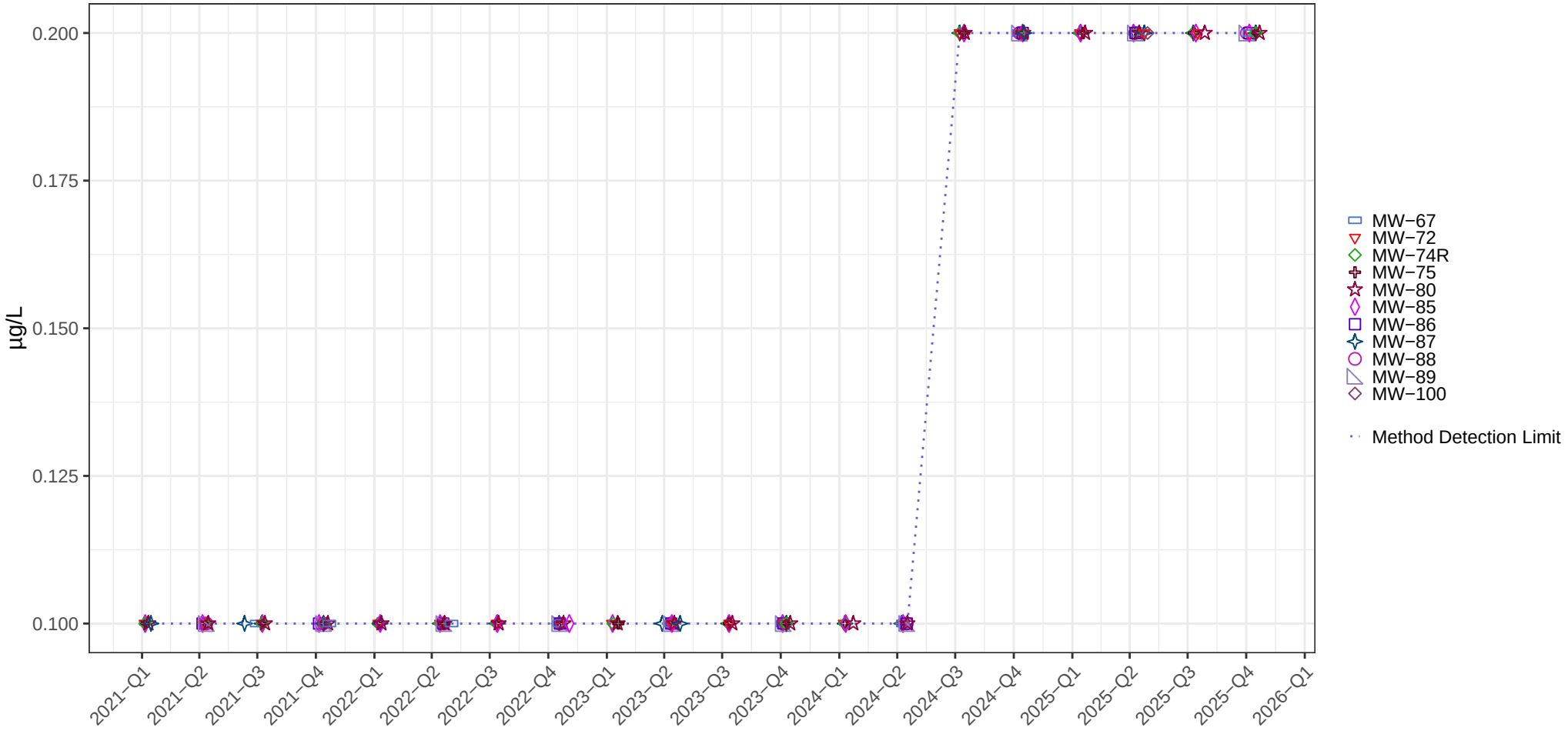
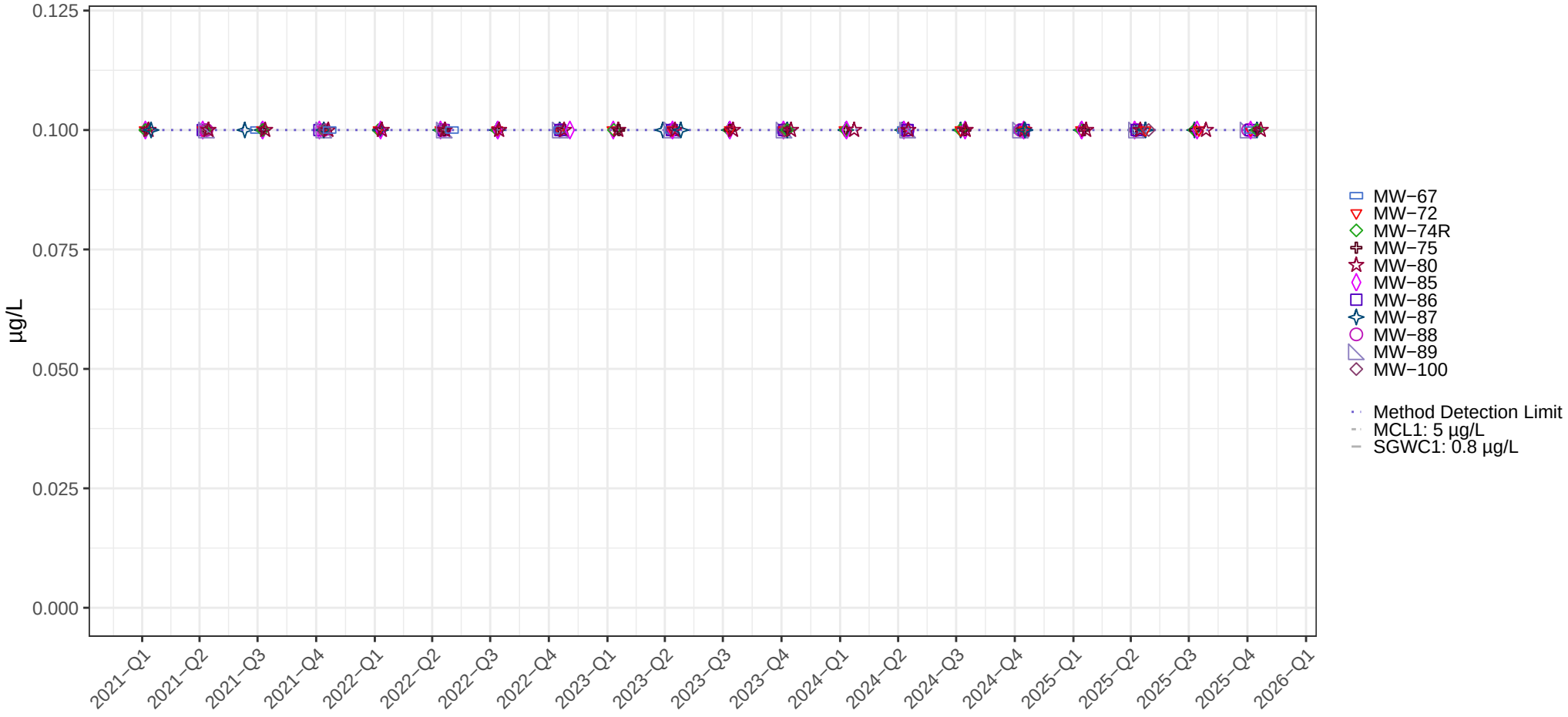
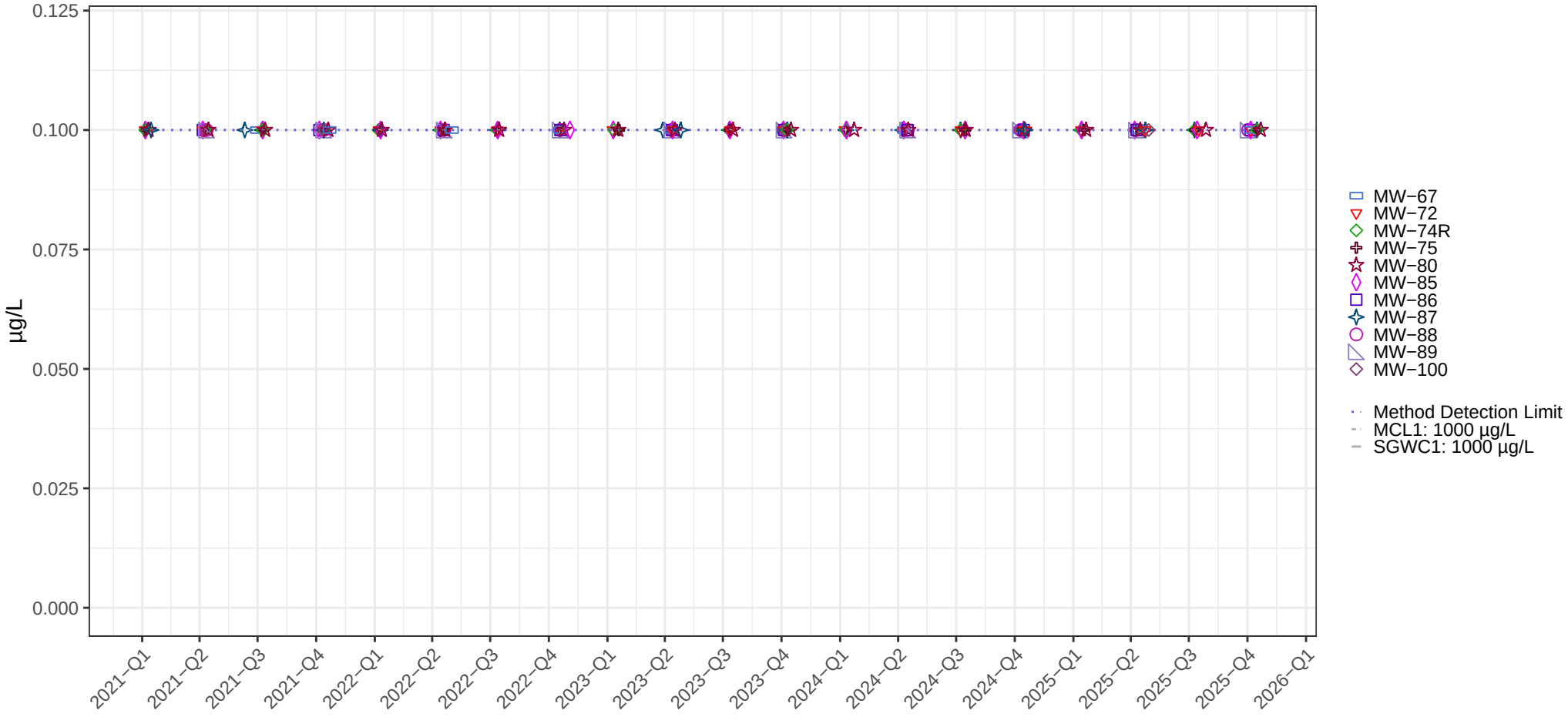


Figure B−211B
Regional − Downgradient
Tetrachloroethene



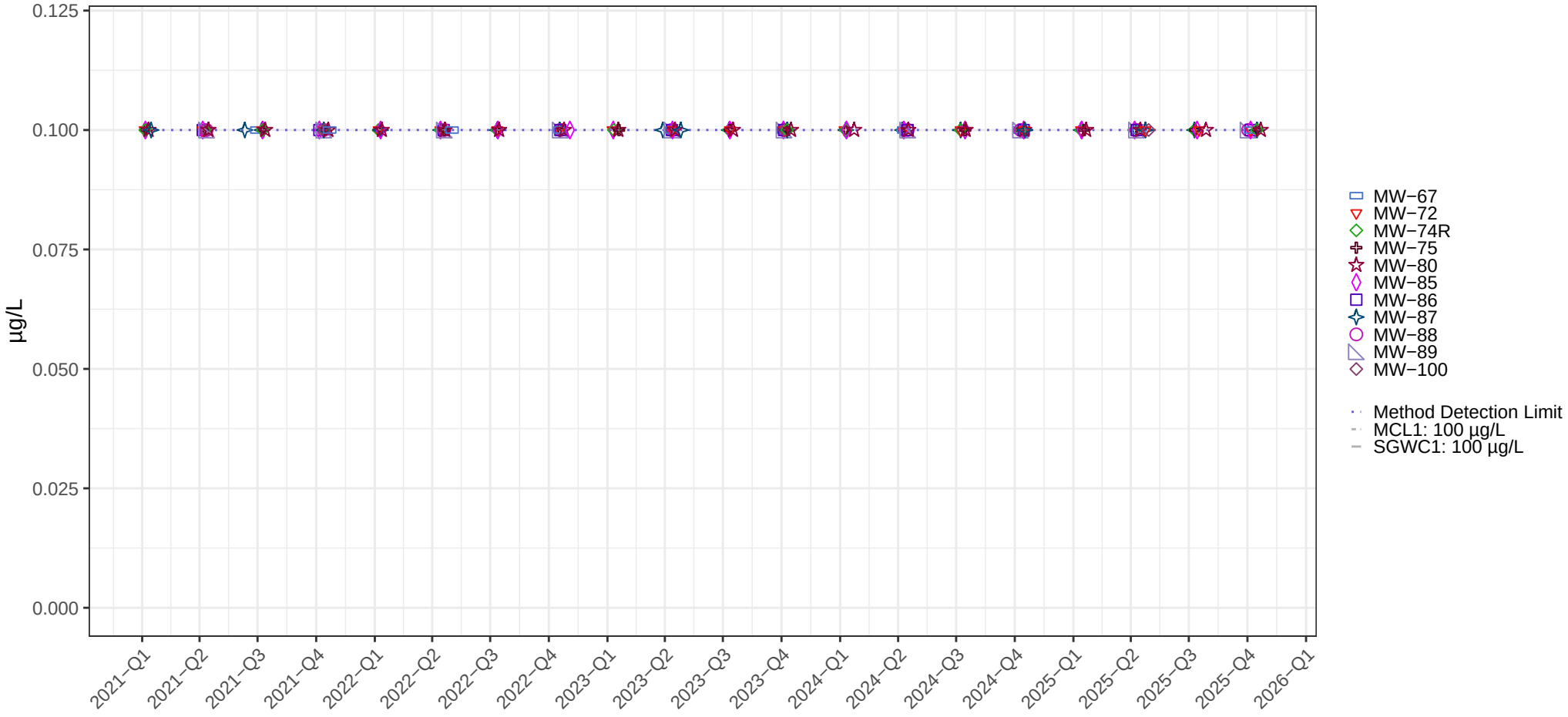
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−212B
Regional − Downgradient
Toluene



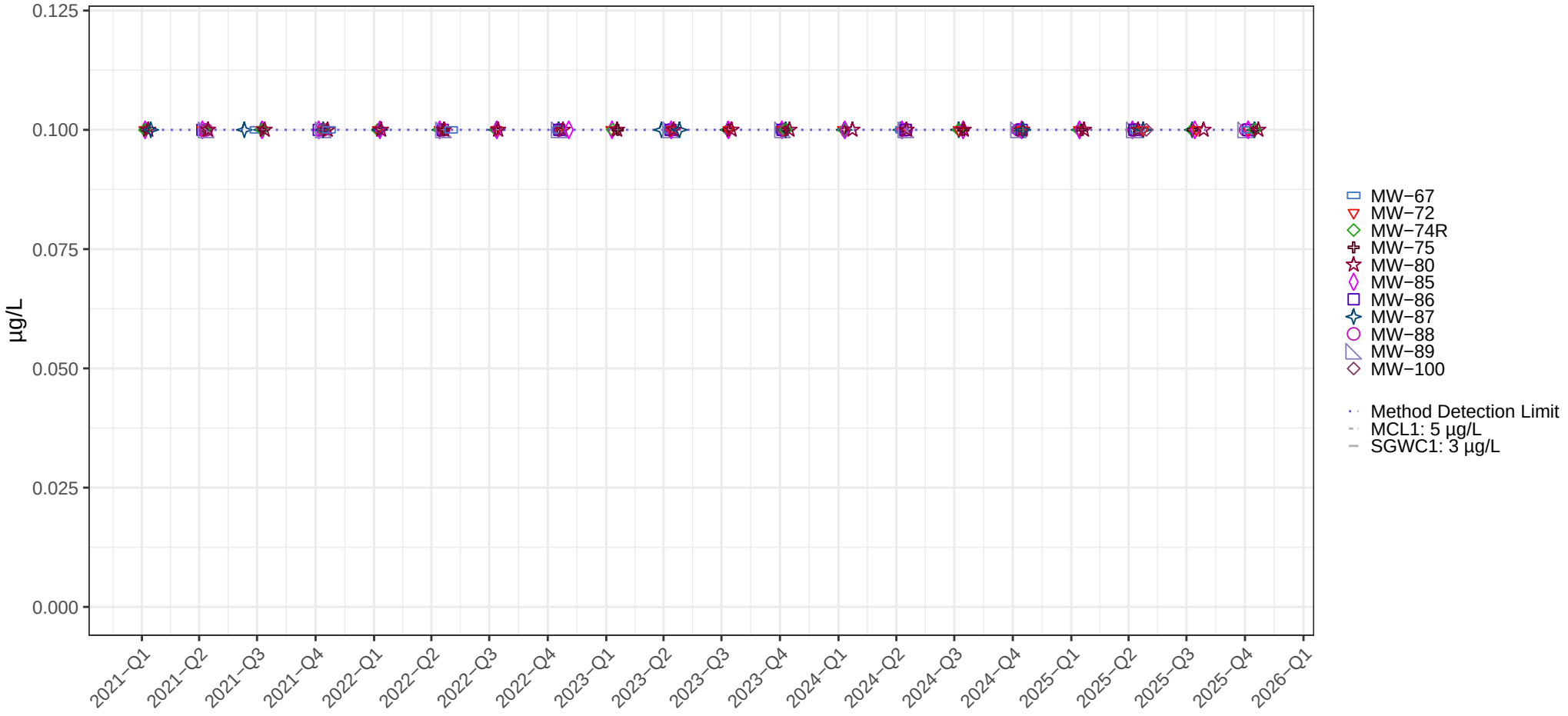
SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−213B
Regional − Downgradient
Trans−1,2−Dichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−214B
Regional − Downgradient
Trichloroethene



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B−215B
Regional − Downgradient
Trichlorofluoromethane

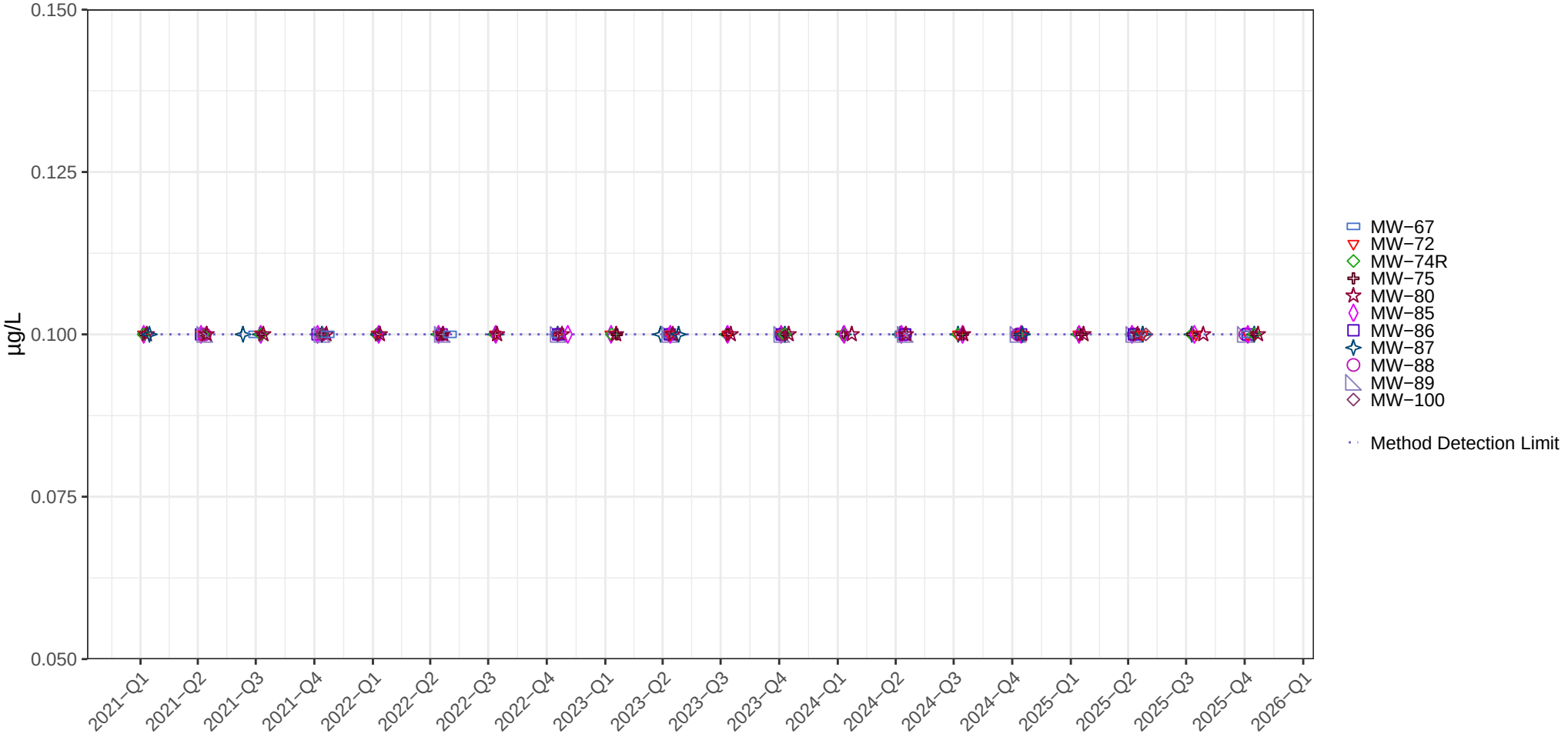
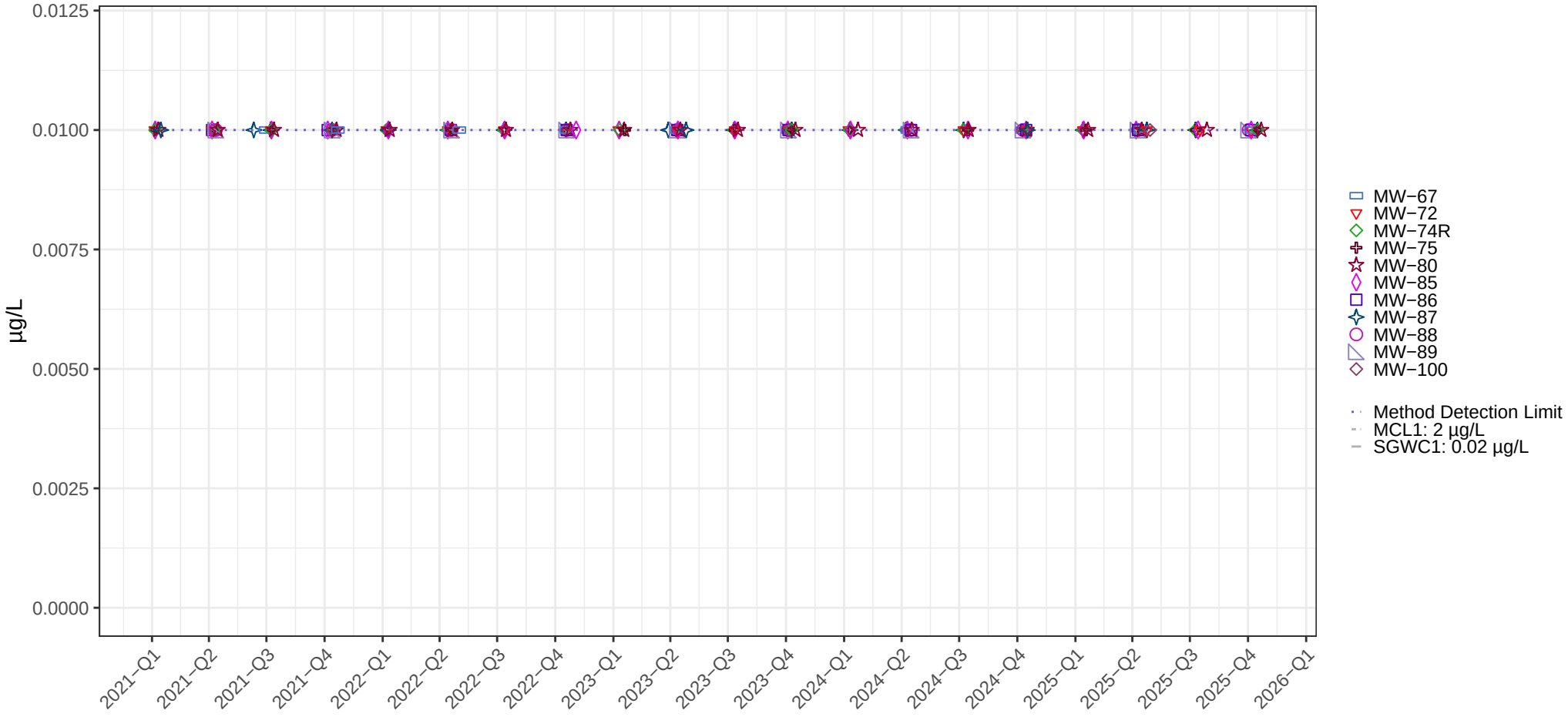


Figure B−216B
Regional − Downgradient
Vinyl Chloride



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

APPENDIX C

Groundwater Elevations, Gradients, Velocities, and Potentiometric Maps

King County
Water and Land Resources Division
Department of Natural Resources and Parks
King Street Center
201 South Jackson Street, Suite 5600
Seattle, WA 98104-3855
206-477-4800 Fax 206-296-0192
TTY Relay: 711

TECHNICAL MEMORANDUM

August 15, 2025

TO: Jerome Cruz, Environmental Scientist III, Environmental Health Division, Public Health – Seattle and King County

VIA: Eric Ferguson, Water Quality Planner – Hydrogeologist, Science and Technical Support Section, Water and Land Resources Division, DNRP

FM: Adrienne Scott, Engineer III – Lead Geologist, Facility Engineering and Science Section, Solid Waste Division, DNRP

RE: Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations
First Quarter 2025 Results
Cedar Hills Regional Landfill, King County, Washington

The King County Water and Land Resources Division (WLRD) submits this memorandum report on groundwater conditions during the first quarter of 2025 for the regional aquifer beneath the Cedar Hills Regional Landfill (Landfill), in accordance with the *Scope of Work for Services to King County Solid Waste Division – Facility Engineering and Sciences Section* (WLRD, 2023). King County Solid Waste Division (SWD) personnel measured regional aquifer groundwater levels at the Landfill on January 6, 2025; the measurements were used to:

1. Evaluate the potentiometric groundwater surface elevation for the regional aquifer;
2. Determine the groundwater flow direction and horizontal gradient for the regional aquifer; and
3. Calculate the groundwater velocity of the regional aquifer.

There are no significant changes in the groundwater conditions for the regional aquifer in this quarter, when compared to the report submitted for the fourth quarter of 2024.

Groundwater Elevation Data

The SWD recorded regional aquifer groundwater level measurements during the first quarter of 2025. According to Aspect Consultants, monitoring wells with water levels within ten feet of the top of the screened interval are wells that are completed at the water table and are considered regional aquifer wells as referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010) and in *Area 8 Development, Monitoring Well Replacement Report* (HDR, 2021).

Table A-1 lists the groundwater monitoring well identifications, locations, top of well casing elevations, bottom of screen elevations, measured depth to groundwater levels, and calculated groundwater elevations for monitoring wells screened in the regional aquifer. Groundwater elevations from 25 regional aquifer wells were used to model the potentiometric surface contours. An anomalously low water level was observed at well MW-99 during this quarter, 18.70 feet lower than the previous quarter; groundwater elevations at well MW-99 typically fluctuate around 290 ft MSL. Excluding well MW-99, relative to the fourth quarter 2024 data, groundwater elevations were within 3.5 feet of previous measurements and the mean water level difference was 1.05 feet lower.

Figure A-1 shows the groundwater elevation at each well location, groundwater movement arrows, and the potentiometric surface contours for the regional aquifer for the current quarter.

Direction of Groundwater Flow

Potentiometric surface maps represent the modeled groundwater surface at depth. The potentiometric maps are generated by interpolating data between the calculated groundwater elevations at the monitored wells. Each potentiometric contour represents a line of equal hydraulic head where the groundwater elevation remains constant. Groundwater is expected to flow from high elevations to low elevations, with the direction of flow perpendicular to the potentiometric contour.

Figure A-1 shows groundwater flow directions in the regional aquifer. The figure shows that groundwater in the regional aquifer generally flows to the north with minor components of flow in the following areas:

- North, north-northwest, north-northeast to northeast in the *northern portion* of the Landfill,
- north, north-northwest beneath the *central portion* of the Landfill, and
- north, northwest and north-northeast beneath the *southern portion* of the Landfill.

Table A-2 reports the flow direction for each portion of the regional aquifer. Flow directions this quarter are similar to the flow directions reported last quarter.

Groundwater Parameters

Table A-2 presents a summary of the groundwater parameters. Mean horizontal hydraulic conductivity and effective porosity values were based on the ranges referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010). The mean horizontal hydraulic conductivity for the regional aquifer beneath the Landfill is 60 feet per day (ft/d) in the northern and central portions and 0.18 ft/d in the southern portion of the regional aquifer beneath the Landfill (Aspect, 2010). Average effective porosities are 24 and 26 percent, respectively, for the same areas (Aspect, 2010).

Gradients

The hydraulic gradient for the regional aquifer was determined using potentiometric surface maps (Figure A-1). Table A-2 lists the gradients of regional aquifer for the northern, central, and southern portions beneath the Landfill.

The calculated hydraulic gradient is greatest under the southern portion of the Landfill (0.015 ft/ft) and slightly lower under the rest of the Landfill. Gradients calculated for the regional aquifer are within the range of gradients calculated last quarter.

Groundwater Velocities

Average horizontal groundwater velocities for the regional aquifer beneath the Landfill are based on spatial differences in aquifer parameters, hydraulic gradients, and calculations using the following formula:

where:

$$v = \frac{1}{n_{eff}} K \frac{\Delta H}{\Delta L}$$

v = Groundwater velocity [L/t]

n_{eff} = Effective porosity [dimensionless]

K = Hydraulic conductivity [L/t]

$\frac{\Delta H}{\Delta L}$ = Hydraulic gradient [L/L]

Table A-2 summarizes the groundwater parameters used to calculate groundwater velocities for the regional aquifer in the northern, central, and southern portions beneath the Landfill. The mean horizontal groundwater velocities are lowest under the southern portion of the Landfill (0.010 ft/d) and highest under the central portion of the Landfill (with a mean of 1.93 ft/d). The velocities calculated for the regional aquifer this quarter are within the range of groundwater velocities calculated last quarter.

References

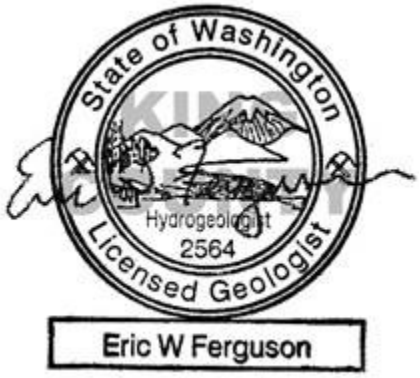
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HDR Engineering, Inc. (HDR). 2021. Area 8 Development, Monitoring Well Replacement Report. Prepared in association with Udaloy Environmental Consulting (UEC). Cedar Hills Regional Landfill. Contract No. E00284E12. July.

King County Water and Land Resources Division (WLRD). 2023. Scope of Work for Services to King County Solid Waste Division – Facility Engineering and Science Section. March.

Thank you for the opportunity to provide hydrogeologic services to SWD. If you have any questions, please contact me at 206-477-4690 or eric.ferguson@kingcounty.gov.

Sincerely,



Eric Ferguson, WA LHG
Water Quality Planner III- Hydrogeologist
King County Water and Land Resources Division

Enclosures:

Table C-1: Well Details and Groundwater Elevations – First Quarter 2025

Table C-2: Groundwater Parameters – Regional Aquifer – First Quarter 2025

Figure C-1: Groundwater Potentiometric Surface Map – First Quarter 2025 – Regional Aquifer

Table C-1: Well Details and Groundwater Elevations – First Quarter 2025
Cedar Hills Regional Landfill
King County, Washington

							January 6, 2025	
	Well Identification	Easting[1]	Northing[1]	Top of Casing Elevation[2]	Top of Screen Elevation[2]	Bottom of Screen Elevation[2]	Measured Depth to Water[3]	Groundwater Elevations[2]
		ft	ft	ft MSL	ft MSL	ft MSL	ft	ft MSL
Wells with water levels within 10 ft of the top of screen	MW-60	1701154.47	167873.20	567.15	334.81	325.81	231.32	335.83
	MW-64	1701980.27	168772.19	596.55	334.03	320.23	267.68	328.87
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	240.14	291.14
	MW-67	1701776.69	172610.65	516.43	297.80	284.00	222.18	294.25
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	333.82	313.25
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	362.64	309.23
	MW-73	1698954.95	174995.59	485.70	288.11	278.81	192.71	292.99
	MW-74R	1700386.85	173813.79	531.26	289.90	280.40	241.94	289.32
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	140.08	351.63
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	184.32	309.34
	MW-82	1699553.72	167725.31	474.85	348.88	339.38	128.01	346.84
	MW-83	1697939.89	167212.27	496.81	350.19	340.69	147.08	349.73
	MW-84	1698602.89	173894.54	530.80	292.46	282.96	237.50	293.30
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	247.35	284.41
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	250.76	285.28
	MW-87*	1700670.27	173493.76	537.31	283.68	274.38	249.67	287.64
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	228.62	285.06
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	310.37	321.78
	MW-94	1698674.21	167210.22	495.51	357.22	348.52	145.79	349.72
	MW-95	1697265.32	169426.92	571.54	314.60	305.90	252.72	318.82
	MW-100	1700791.72	169610.46	620.32	319.06	309.06	299.93	320.39
	MW-106	1702536.99	173461.69	475.47	280.04	270.04	191.80	283.67
	MW-113	1698238.80	168478.70	531.09	334.79	325.09	190.22	340.87
	MW-114	1698892.70	167919.80	490.45	353.65	344.05	142.94	347.51
	MW-115	1698960.70	167225.80	484.87	352.87	343.27	134.82	350.05
Wells with water levels greater than 10 ft above the top of screen	MW-21	1697901.86	173876.38	420.66	263.22	255.22	126.78	293.88
	MW-22	1701844.34	173088.17	517.09	236.02	231.22	233.45	283.64
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	147.91	328.08
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	264.49	282.57
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	279.79	300.64
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	130.63	349.70
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	106.69	349.95
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	151.36	327.91
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	126.35	330.78
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	211.63	334.20
	MW-75	1701059.70	173432.42	532.40	271.10	261.00	246.84	285.56
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	240.42	289.99
	MW-89	1701799.57	174319.44	512.82	229.20	219.90	232.97	279.85
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	222.61	279.61
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	248.17	283.85
	MW-99	1702556.06	172098.73	493.64	221.77	212.77	219.60	274.04
	WS-NPW-1	1701906.96	171138.99	646.33	282.80	267.90	334.50	311.83
	WS-NPW-3	1701922.88	170663.28	645.81	285.00	273.90	332.94	312.87
Other	MW-69[4]	1698061.86	172400.20	653.69	293.57	279.97	Damaged	Damaged

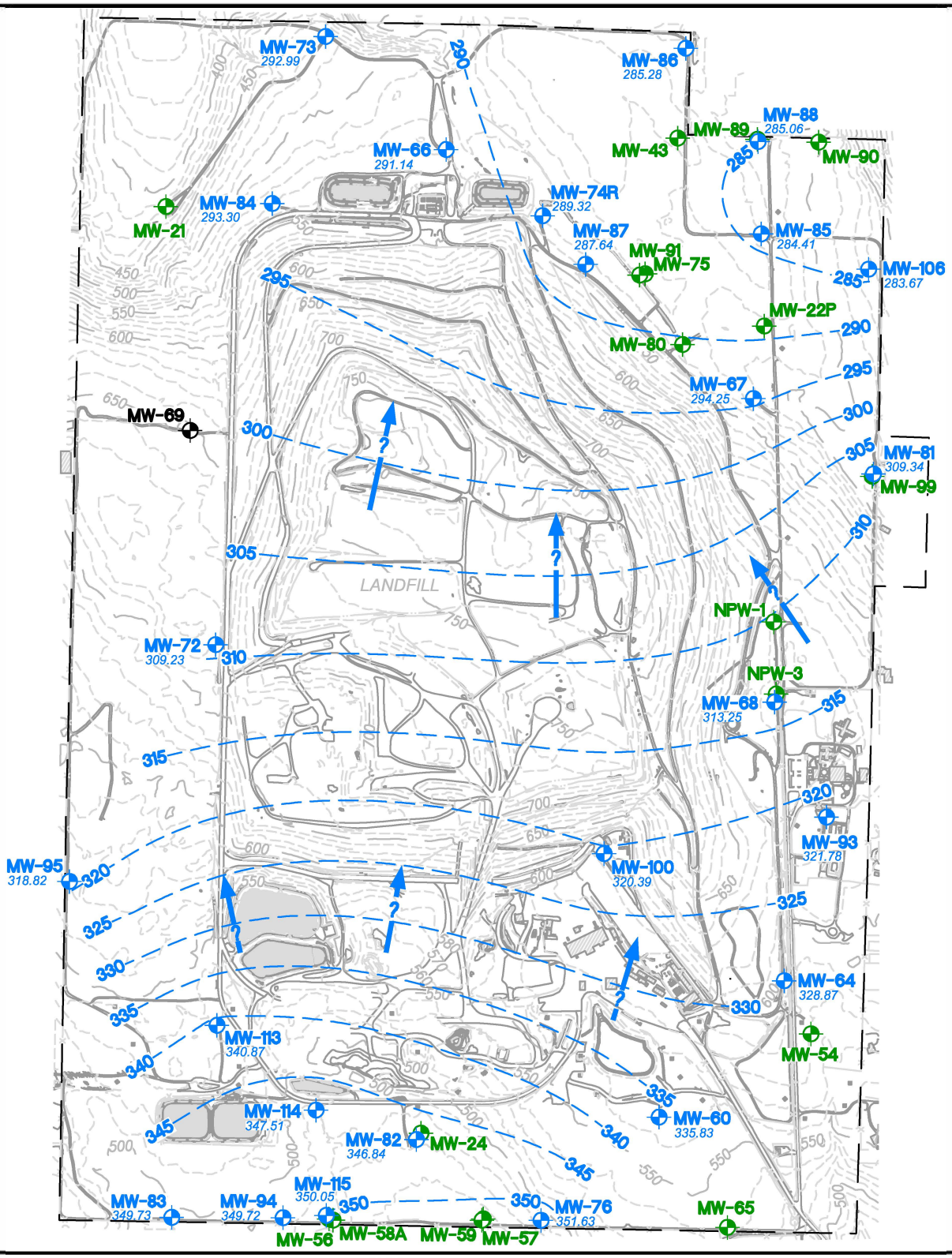
Notes:
1. Reference datum for northing and easting coordinates is the North American Datum of 1927 (NAD 27).
2. Elevations reported in feet (ft) above mean sea level (MSL) based on the National Geodetic Vertical Datum of 1929 (NGVD 29).
3. Water level measurements made by SWD personnel.
4. MW-69 has been identified for replacement as part of the Site Wide Hydrogeologic Report Capital Improvement Project.

Table C-2: Groundwater Parameters – Regional Aquifer
First Quarter 2025
Cedar Hills Regional Landfill
King County, Washington

					First Quarter 2025 - January 06, 2025		
Regional Aquifer Zone Beneath the Landfill	Horizontal Hydraulic Conductivity[1,2] (K)			Effective Porosity[1] (n_{eff})	Horizontal Hydraulic Gradient[3] (DH/DL)	Horizontal Groundwater Velocity (v)	General Groundwater Flow Direction
	Range	cm/s	ft/d		ft/ft	ft/d	
Northern	Minimum	2.10E-03	6	24%	0.007	0.19	NNW, N, NNE, NE
	Maximum	4.20E-02	120			3.75	
	Mean	2.10E-02	60			1.87	
Central	Minimum	2.10E-03	6	24%	0.008	0.19	N, NNW
	Maximum	4.20E-02	120			3.86	
	Mean	2.10E-02	60			1.93	
Southern	Minimum	6.40E-06	0.018	26%	0.015	0.001	NW, N, NNE
	Maximum	6.40E-04	1.8			0.102	
	Mean	6.40E-05	0.18			0.010	

Notes:
1. Horizontal hydraulic conductivity values and effective porosity values from Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill (Aspect, 2010).
2. Mean hydraulic conductivity values are the geometric mean of the high and low values.
3. Hydraulic gradients calculated using the potentiometric surface map shown on Figure A-1.

NNE north-northeast; NNW north-northwest; NE, northeast; NW northwest; N, north.



Legend

- **MW-X** XXX.XX — Well completed in Regional Aquifer with water levels within the screen or within 10 feet of the top of screen. *Elevation (feet mean sea level (MSL))*
- **MW-X** — Wells completed in Regional Aquifer with water levels more than 10 feet above the top of screen. *Elevation (feet MSL)*
- **MW-X** — Wells completed in Regional Aquifer - Data not used or no measurement this quarter.
- 300 — Regional Aquifer Groundwater Elevation Contour *(feet MSL)*.
- ? — Inferred Horizontal Groundwater Flow Path
- Pond
- Road
- Ditch
- Fence
- King County Landfill Property
- Building

N

0 1000 2000 Feet

Contour Interval 10 Feet

Notes:

1. Groundwater measurements made on January 06, 2025.
2. Only wells completed in the Regional Aquifer with well screen tops within 10 feet of the water table were used for contouring.

Locations surveyed on North American Datum of 1927 (NAD 27).

Elevations reported in feet above mean sea level based on the National Geodetic Vertical Datum of 1929 (NGVD 29).

Basemap Layer Data: King County Solid Waste Division

King County

Groundwater Potentiometric Surface Map
First Quarter 2025 - Regional Aquifer
Cedar Hills Regional Landfill
King County, Washington

DATE: August 2025	PROJECT NO. 1126980
DESIGNED BY: AMS	
DRAWN BY: KK	FIGURE NO. C-1
REVISED BY: EWF	

CH_1Q2025.dwg

King County

Water and Land Resources Division

Department of Natural Resources and Parks
King Street Center
201 South Jackson Street, Suite 5600
Seattle, WA 98104-3855

206-477-4800 Fax 206-296-0192
TTY Relay: 711

TECHNICAL MEMORANDUM

November 25, 2025

TO: Jerome Cruz, Environmental Scientist III, Environmental Health Division, Public Health – Seattle and King County

VIA: Eric Ferguson, Water Quality Planner – Hydrogeologist, Science and Technical Support Section, Water and Land Resources Division, DNRP

FM: Adrienne Scott, Engineer III – Lead Geologist, Facility Engineering and Science Section, Solid Waste Division, DNRP

RE: Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations
Second Quarter 2025 Results
Cedar Hills Regional Landfill, King County, Washington

The King County Water and Land Resources Division (WLRD) submits this memorandum report on groundwater conditions during the second quarter of 2025 for the regional aquifer beneath the Cedar Hills Regional Landfill (Landfill), in accordance with the *Scope of Work for Services to King County Solid Waste Division – Facility Engineering and Sciences Section* (WLRD, 2023). King County Solid Waste Division (SWD) personnel measured regional aquifer groundwater levels at the Landfill on April 1, 2025; the measurements were used to:

1. Evaluate the potentiometric groundwater surface elevation for the regional aquifer;
2. Determine the groundwater flow direction and horizontal gradient for the regional aquifer; and
3. Calculate the groundwater velocity of the regional aquifer.

There are no significant changes in the groundwater conditions for the regional aquifer in this quarter, when compared to the report submitted for the first quarter of 2025.

Groundwater Elevation Data

The SWD recorded regional aquifer groundwater level measurements during the second quarter of 2025. According to Aspect Consultants, monitoring wells with water levels within ten feet of the top of the screened interval are wells that are completed at the water table and are considered regional aquifer wells as referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010) and in *Area 8 Development, Monitoring Well Replacement Report* (HDR, 2021).

Table A-1 lists the groundwater monitoring well identifications, locations, top of well casing elevations, bottom of screen elevations, measured depth to groundwater levels, and calculated groundwater elevations for monitoring wells screened in the regional aquifer. Groundwater elevations from 25 regional aquifer wells were used to model the potentiometric surface contours. After an anomalously low water level was observed at well MW-99 during first quarter 2025, the water level at MW-99 has returned to the typical expected range. Excluding well MW-99, relative to the first quarter 2025 data, groundwater elevations were within 5.5 feet of previous measurements, and the mean water level difference was 1.01 feet lower.

Figure A-1 shows the groundwater elevation at each well location, groundwater movement arrows, and the potentiometric surface contours for the regional aquifer for the current quarter.

Direction of Groundwater Flow

Potentiometric surface maps represent the modeled groundwater surface at depth. The potentiometric maps are generated by interpolating data between the calculated groundwater elevations at the monitored wells. Each potentiometric contour represents a line of equal hydraulic head where the groundwater elevation remains constant. Groundwater is expected to flow from high elevations to low elevations, with the direction of flow perpendicular to the potentiometric contour.

Figure A-1 shows groundwater flow directions in the regional aquifer. The figure shows that groundwater in the regional aquifer generally flows to the north with minor components of flow in the following areas:

- North, north-northwest, north-northeast to northeast in the *northern portion* of the Landfill,
- north, north-northwest beneath the *central portion* of the Landfill, and
- north, northwest and north-northeast beneath the *southern portion* of the Landfill.

Table A-2 reports the flow direction for each portion of the regional aquifer. Flow directions this quarter are similar to the flow directions reported last quarter.

Groundwater Parameters

Table A-2 presents a summary of the groundwater parameters. Mean horizontal hydraulic conductivity and effective porosity values were based on the ranges referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010). The mean horizontal hydraulic conductivity for the regional aquifer beneath the Landfill is 60 feet per day (ft/d) in the northern and central portions and 0.18 ft/d in the southern portion of the regional aquifer beneath the Landfill (Aspect, 2010). Average effective porosities are 24 and 26 percent, respectively, for the same areas (Aspect, 2010).

Gradients

The hydraulic gradient for the regional aquifer was determined using potentiometric surface maps (Figure A-1). Table A-2 lists the gradients of regional aquifer for the northern, central, and southern portions beneath the Landfill.

The calculated hydraulic gradient is greatest under the southern portion of the Landfill (0.016 ft/ft) and slightly lower under the rest of the Landfill. Gradients calculated for the regional aquifer are within the range of gradients calculated last quarter.

Groundwater Velocities

Average horizontal groundwater velocities for the regional aquifer beneath the Landfill are based on spatial differences in aquifer parameters, hydraulic gradients, and calculations using the following formula:

where:

$$v = \frac{1}{n_{eff}} K \frac{\Delta H}{\Delta L}$$

v = Groundwater velocity [L/t]

n_{eff} = Effective porosity [dimensionless]

K = Hydraulic conductivity [L/t]

$\frac{\Delta H}{\Delta L}$ = Hydraulic gradient [L/L]

Table A-2 summarizes the groundwater parameters used to calculate groundwater velocities for the regional aquifer in the northern, central, and southern portions beneath the Landfill. The mean horizontal groundwater velocities are lowest under the southern portion of the Landfill (0.011 ft/d) and highest under the northern portion of the Landfill (with a mean of 2.03 ft/d). The velocities calculated for the regional aquifer this quarter are within the range of groundwater velocities calculated last quarter.

References

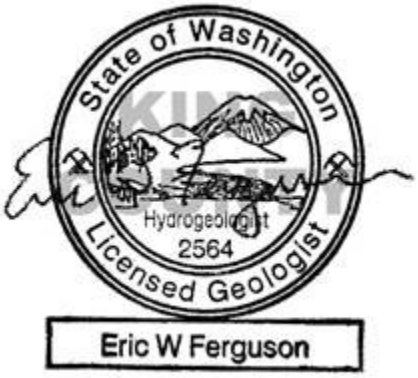
Aspect Consulting, LLC. (Aspect). 2010. Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill. Unpublished work. April 30.

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King County Water and Land Resources Division (WLRD). 2023. Scope of Work for Services to King County Solid Waste Division – Facility Engineering and Science Section. March.

Thank you for the opportunity to provide hydrogeologic services to SWD. If you have any questions, please contact me at 206-477-4690 or eric.ferguson@kingcounty.gov.

Sincerely,



Eric Ferguson, WA LHG
Water Quality Planner III- Hydrogeologist
King County Water and Land Resources Division

Enclosures:

Table A-1:	Well Details and Groundwater Elevations – Second Quarter 2025
Table A-2:	Groundwater Parameters – Regional Aquifer – Second Quarter 2025
Figure A-1:	Groundwater Potentiometric Surface Map – Second Quarter 2025 – Regional Aquifer

Table C-1: Well Details and Groundwater Elevations – Second Quarter 2025
Cedar Hills Regional Landfill
King County, Washington

							April 1, 2025	
	Well Identification	Easting[1]	Northing[1]	Top of Casing Elevation[2]	Top of Screen Elevation[2]	Bottom of Screen Elevation[2]	Measured Depth to Water[3]	Groundwater Elevations[2]
		ft	ft	ft MSL	ft MSL	ft MSL	ft	ft MSL
Wells with water levels within 10 ft of the top of screen	MW-60	1701154.47	167873.20	567.15	334.81	325.81	229.75	337.40
	MW-64	1701980.27	168772.19	596.55	334.03	320.23	267.04	329.51
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	239.52	291.76
	MW-67	1701776.69	172610.65	516.43	297.80	284.00	221.49	294.94
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	333.34	313.73
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	362.59	309.28
	MW-73	1698954.95	174995.59	485.70	288.11	278.81	192.04	293.66
	MW-74R	1700386.85	173813.79	531.26	289.90	280.40	241.04	290.22
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	134.82	356.89
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	184.79	308.87
	MW-82	1699553.72	167725.31	474.85	348.88	339.38	125.26	349.59
	MW-83	1697939.89	167212.27	496.81	350.19	340.69	146.28	350.53
	MW-84	1698602.89	173894.54	530.80	292.46	282.96	237.08	293.72
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	246.28	285.48
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	250.25	285.79
	MW-87	1700670.27	173493.76	537.31	283.68	274.38	248.99	288.32
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	227.95	285.73
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	310.08	322.07
	MW-94	1698674.21	167210.22	495.51	357.22	348.52	143.18	352.33
	MW-95	1697265.32	169426.92	571.54	314.60	305.90	252.62	318.92
	MW-100	1700791.72	169610.46	620.32	319.06	309.06	299.62	320.70
	MW-106	1702536.99	173461.69	475.47	280.04	270.04	190.76	284.71
	MW-113	1698238.80	168478.70	531.09	334.79	325.09	190.14	340.95
	MW-114	1698892.70	167919.80	490.45	353.65	344.05	142.12	348.33
	MW-115	1698960.70	167225.80	484.87	352.87	343.27	132.15	352.72
Wells with water levels greater than 10 ft above the top of screen	MW-21	1697901.86	173876.38	420.66	263.22	255.22	126.20	294.46
	MW-22	1701844.34	173088.17	517.09	236.02	231.22	232.49	284.60
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	146.51	329.48
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	263.78	283.28
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	279.46	300.97
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	128.00	352.33
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	101.87	354.77
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	150.18	329.09
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	124.81	332.32
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	210.39	335.44
	MW-75	1701059.70	173432.42	532.40	271.10	261.00	246.08	286.32
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	239.84	290.57
	MW-89	1701799.57	174319.44	512.82	229.20	219.90	232.20	280.62
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	221.44	280.78
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	247.35	284.67
	MW-99	1702556.06	172098.73	493.64	221.77	212.77	200.82	292.82
	WS-NPW-1	1701906.96	171138.99	646.33	282.80	267.90	333.91	312.42
	WS-NPW-3	1701922.88	170663.28	645.81	285.00	273.90	332.33	313.48
Other	MW-69[4]	1698061.86	172400.20	653.69	293.57	279.97	NM	NM

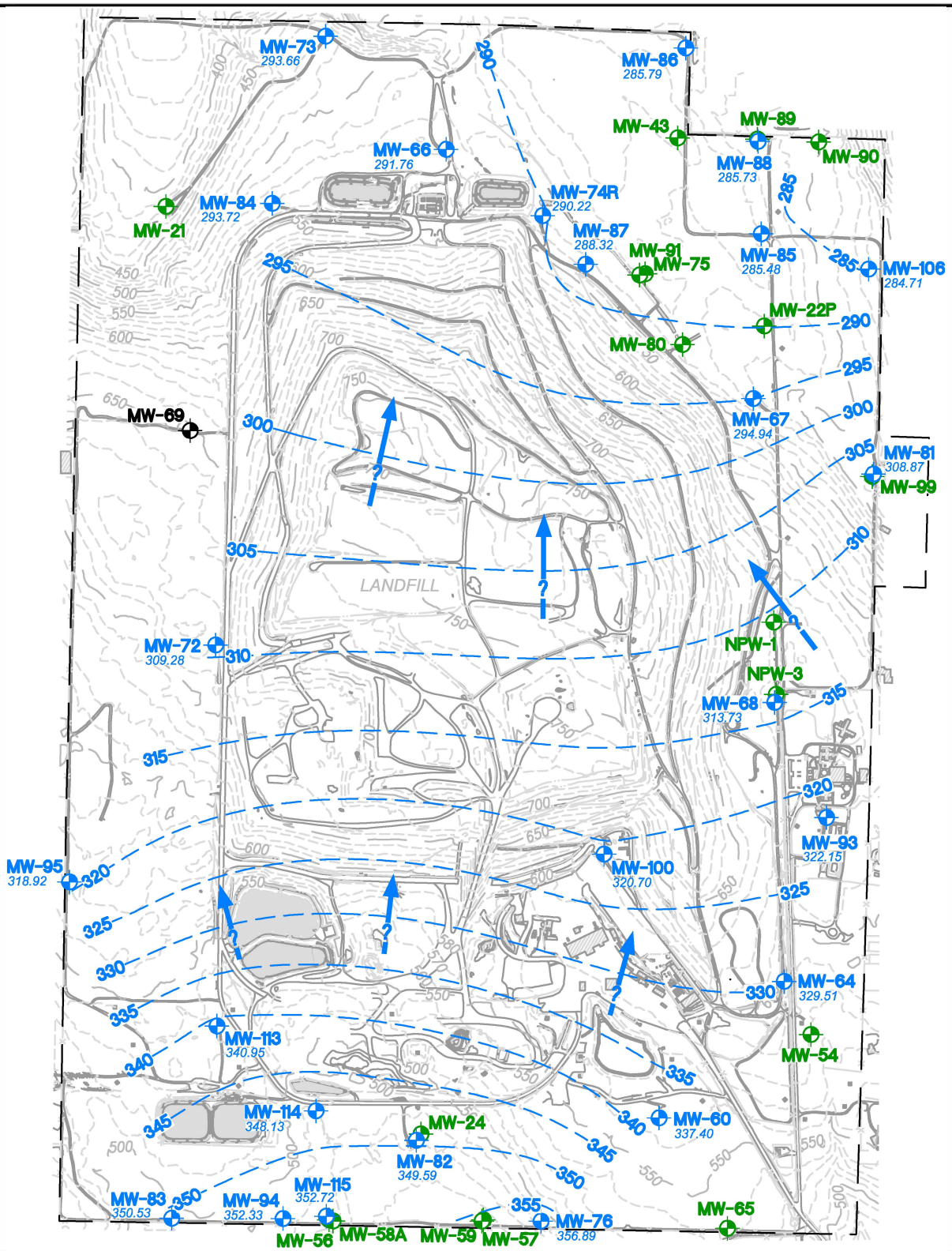
Notes:
1. Reference datum for northing and easting coordinates is the North American Datum of 1927 (NAD 27).
2. Elevations reported in feet (ft) above mean sea level (MSL) based on the National Geodetic Vertical Datum of 1929 (NGVD 29).
3. Water level measurements made by SWD personnel.
4. MW-69 has been identified for replacement as part of the Site Wide Hydrogeologic Report Capital Improvement Project.

Table C-2: Groundwater Parameters – Regional Aquifer
Second Quarter 2025
Cedar Hills Regional Landfill
King County, Washington

					Second Quarter 2025 - April 01, 2025		
Regional Aquifer Zone Beneath the Landfill	Horizontal Hydraulic Conductivity[1,2] (K)			Effective Porosity[1] (n_{eff})	Horizontal Hydraulic Gradient[3] (DH/DL)	Horizontal Groundwater Velocity (v)	General Groundwater Flow Direction
	Range	cm/s	ft/d		ft/ft	ft/d	
Northern	Minimum	2.10E-03	6	24%	0.008	0.20	NNW, N, NNE, NE
	Maximum	4.20E-02	120			4.06	
	Mean	2.10E-02	60			2.03	
Central	Minimum	2.10E-03	6	24%	0.007	0.19	N, NNW
	Maximum	4.20E-02	120			3.73	
	Mean	2.10E-02	60			1.86	
Southern	Minimum	6.40E-06	0.018	26%	0.016	0.001	NW, N, NNE
	Maximum	6.40E-04	1.8			0.109	
	Mean	6.40E-05	0.18			0.011	

Notes:
1. Horizontal hydraulic conductivity values and effective porosity values from Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill (Aspect, 2010).
2. Mean hydraulic conductivity values are the geometric mean of the high and low values.
3. Hydraulic gradients calculated using the potentiometric surface map shown on Figure A-1.

NNE north-northeast; NNW north-northwest; NE, northeast; NW northwest; N, north.



Legend

MW-X XXX.XX — Well completed in Regional Aquifer with water levels within the screen or within 10 feet of the top of screen. *Elevation (feet mean sea level (MSL))*

MW-X — Wells completed in Regional Aquifer with water levels more than 10 feet above the top of screen. *Elevation (feet MSL)*

MW-X — Wells completed in Regional Aquifer - Data not used or no measurement this quarter.

300 — Regional Aquifer Groundwater Elevation Contour *(feet MSL)*.

? — Inferred Horizontal Groundwater Flow Path

Pond
Road
Ditch
Fence
King County Landfill Property
Building

N

0 1000 2000 Feet

Contour Interval 10 Feet

Notes:
1. Groundwater measurements made on April 01, 2025.
2. Only wells completed in the Regional Aquifer with well screen tops within 10 feet of the water table were used for contouring.

Locations surveyed on North American Datum of 1927 (NAD 27).

Elevations reported in feet above mean sea level based on the National Geodetic Vertical Datum of 1929 (NGVD 29).

Basemap Layer Data: King County Solid Waste Division

King County

Groundwater Potentiometric Surface Map
Second Quarter 2025 - Regional Aquifer
Cedar Hills Regional Landfill
King County, Washington

DATE: August 2025	PROJECT NO. 1126980
DESIGNED BY: ASJ	
DRAWN BY: KK	FIGURE NO. C-1
REVISED BY: EWF	

CH_2Q2025.dwg

King County
Water and Land Resources Division
Department of Natural Resources and Parks
King Street Center
201 South Jackson Street, Suite 5600
Seattle, WA 98104-3855
206-477-4800 Fax 206-296-0192
TTY Relay: 711

TECHNICAL MEMORANDUM

December 19, 2025

TO: Jerome Cruz, Environmental Scientist III, Environmental Health Division, Public Health – Seattle and King County

VIA: Eric Ferguson, Water Quality Planner – Hydrogeologist, Science and Technical Support Section, Water and Land Resources Division, DNRP

FM: Adrienne Scott, Engineer III – Lead Geologist, Facility Engineering and Science Section, Solid Waste Division, DNRP

RE: Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations
Third Quarter 2025 Results
Cedar Hills Regional Landfill, King County, Washington

The King County Water and Land Resources Division (WLRD) submits this memorandum report on groundwater conditions during the third quarter of 2025 for the regional aquifer beneath the Cedar Hills Regional Landfill (Landfill), in accordance with the *Scope of Work for Services to King County Solid Waste Division – Facility Engineering and Sciences Section* (WLRD, 2023). King County Solid Waste Division (SWD) personnel measured regional aquifer groundwater levels at the Landfill on July 7, 2025; the measurements were used to:

1. Evaluate the potentiometric groundwater surface elevation for the regional aquifer;
2. Determine the groundwater flow direction and horizontal gradient for the regional aquifer; and
3. Calculate the groundwater velocity of the regional aquifer.

There are no significant changes in the groundwater conditions for the regional aquifer in this quarter, when compared to the report submitted for the second quarter of 2025.

Groundwater Elevation Data

The SWD recorded regional aquifer groundwater level measurements during the third quarter of 2025. According to Aspect Consultants, monitoring wells with water levels within ten feet of the top of the screened interval are wells that are completed at the water table and are considered regional aquifer wells as referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010) and in *Area 8 Development, Monitoring Well Replacement Report* (HDR, 2021).

Table A-1 lists the groundwater monitoring well identifications, locations, top of well casing elevations, bottom of screen elevations, measured depth to groundwater levels, and calculated groundwater elevations for monitoring wells screened in the regional aquifer. Groundwater elevations from 25 regional aquifer wells were used to model the potentiometric surface contours. Groundwater elevations were within 4 feet of the last quarter measurements, and the mean water level difference was 0.03 feet lower.

Figure A-1 shows the groundwater elevation at each well location, groundwater movement arrows, and the potentiometric surface contours for the regional aquifer for the current quarter.

Direction of Groundwater Flow

Potentiometric surface maps represent the modeled groundwater surface at depth. The potentiometric maps are generated by interpolating data between the calculated groundwater elevations at the monitored wells. Each potentiometric contour represents a line of equal hydraulic head where the groundwater elevation remains constant. Groundwater is expected to flow from high elevations to low elevations, with the direction of flow perpendicular to the potentiometric contour.

Figure A-1 shows groundwater flow directions in the regional aquifer. The figure shows that groundwater in the regional aquifer generally flows to the north with minor components of flow in the following areas:

- North, north-northwest, north-northeast to northeast in the *northern portion* of the Landfill,
- north, north-northwest beneath the *central portion* of the Landfill, and
- north, northwest and north-northeast beneath the *southern portion* of the Landfill.

Table A-2 reports the flow direction for each portion of the regional aquifer. Flow directions this quarter are similar to the flow directions reported last quarter.

Groundwater Parameters

Table A-2 presents a summary of the groundwater parameters. Mean horizontal hydraulic conductivity and effective porosity values were based on the ranges referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010). The mean horizontal hydraulic conductivity for the regional aquifer beneath the Landfill is 60 feet per day (ft/d) in the northern and central portions and 0.18 ft/d in the southern portion of the regional aquifer beneath the Landfill (Aspect, 2010). Average effective porosities are 24 and 26 percent, respectively, for the same areas (Aspect, 2010).

Gradients

The hydraulic gradient for the regional aquifer was determined using potentiometric surface maps (Figure A-1). Table A-2 lists the gradients of regional aquifer for the northern, central, and southern portions beneath the Landfill.

The calculated hydraulic gradient is greatest under the southern portion of the Landfill (0.015 ft/ft) and slightly lower under the rest of the Landfill. Gradients calculated for the regional aquifer are within the range of gradients calculated last quarter.

Groundwater Velocities

Average horizontal groundwater velocities for the regional aquifer beneath the Landfill are based on spatial differences in aquifer parameters, hydraulic gradients, and calculations using the following formula:

where:

$$v = \frac{1}{n_{eff}} K \frac{\Delta H}{\Delta L}$$

v = Groundwater velocity [L/t]

n_{eff} = Effective porosity [dimensionless]

K = Hydraulic conductivity [L/t]

$\frac{\Delta H}{\Delta L}$ = Hydraulic gradient [L/L]

Table A-2 summarizes the groundwater parameters used to calculate groundwater velocities for the regional aquifer in the northern, central, and southern portions beneath the Landfill. The mean horizontal groundwater velocities are lowest under the southern portion of the Landfill (0.010 ft/d) and highest under the central portion of the Landfill (with a mean of 2.01 ft/d). The velocities calculated for the regional aquifer this quarter are within the range of groundwater velocities calculated last quarter.

References

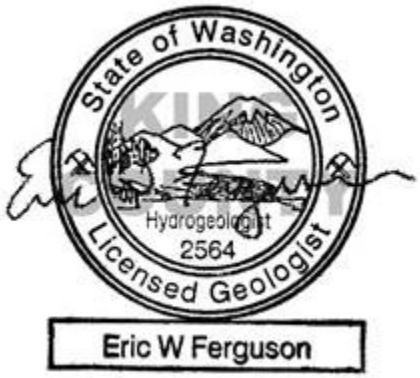
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Water Quality Planner III- Hydrogeologist
King County Water and Land Resources Division

Enclosures:

Table C-1: Well Details and Groundwater Elevations – Third Quarter 2025

Table C-2: Groundwater Parameters – Regional Aquifer – Third Quarter 2025

Figure C-1: Groundwater Potentiometric Surface Map – Third Quarter 2025 – Regional Aquifer

Table C-1: Well Details and Groundwater Elevations – Third Quarter 2025
Cedar Hills Regional Landfill
King County, Washington

							July 7, 2025	
	Well Identification	Easting[1]	Northing[1]	Top of Casing Elevation[2]	Top of Screen Elevation[2]	Bottom of Screen Elevation[2]	Measured Depth to Water[3]	Groundwater Elevations[2]
		ft	ft	ft MSL	ft MSL	ft MSL	ft	ft MSL
Wells with water levels within 10 ft of the top of screen	MW-60	1701154.47	167873.20	567.15	334.81	325.81	228.66	338.49
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	MW-89	1701799.57	174319.44	512.82	229.20	219.90	232.74	280.08
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	222.27	279.95
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	247.62	284.4
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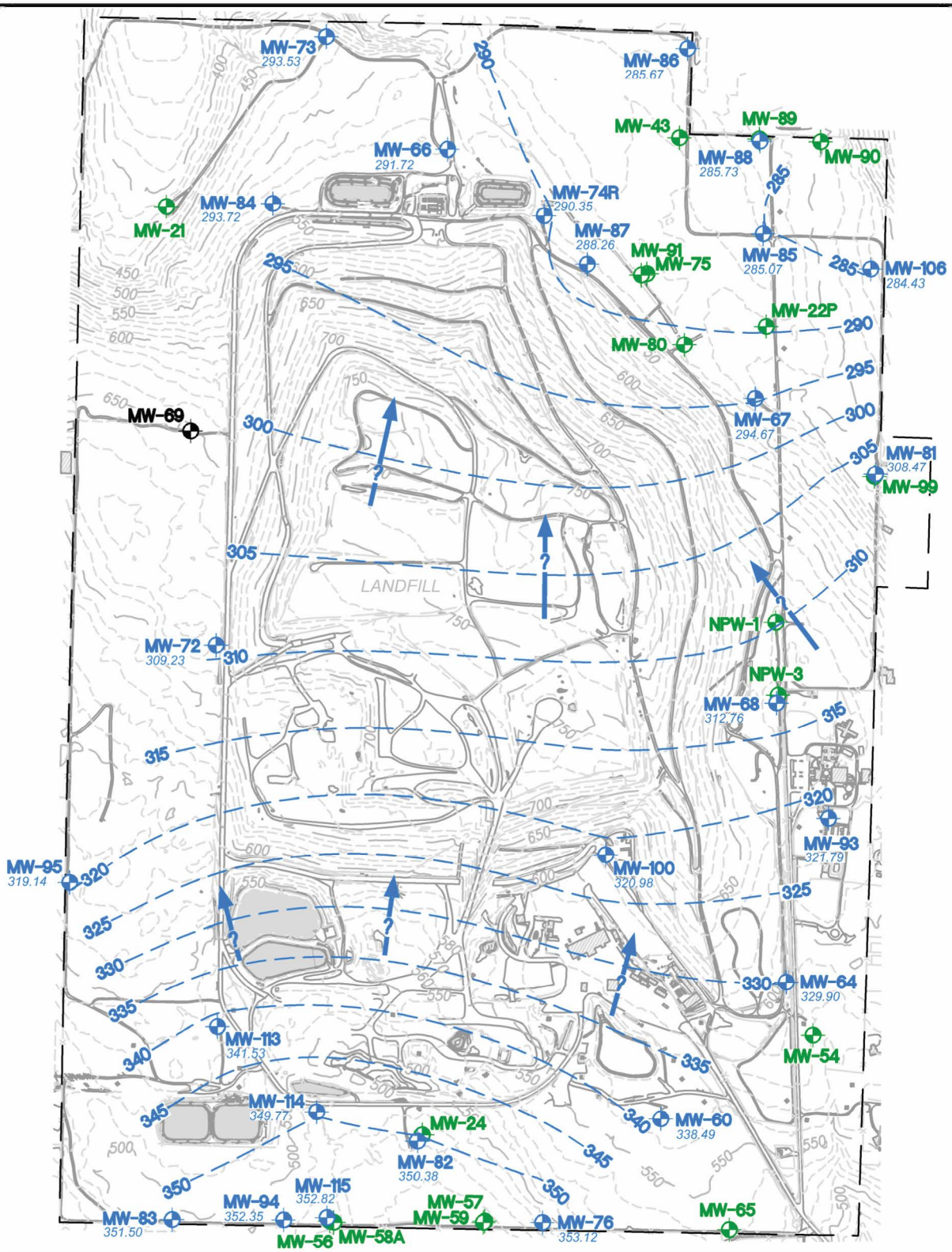
Notes:
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Table C-2: Groundwater Parameters – Regional Aquifer
Third Quarter 2025
Cedar Hills Regional Landfill
King County, Washington

Regional Aquifer Zone Beneath the Landfill		Horizontal Hydraulic Conductivity[1,2] (K)		Effective Porosity[1] (n_{eff})	Third Quarter 2025 - July 07, 2025		
					Horizontal Hydraulic Gradient[3] (DH/DL)	Horizontal Groundwater Velocity (v)	General Groundwater Flow Direction
	Range	cm/s	ft/d		ft/ft	ft/d	
Northern	Minimum	2.10E-03	6	24%	0.007	0.18	NNW, N, NNE, NE
	Maximum	4.20E-02	120			3.55	
	Mean	2.10E-02	60			1.77	
Central	Minimum	2.10E-03	6	24%	0.008	0.20	N, NNW
	Maximum	4.20E-02	120			4.02	
	Mean	2.10E-02	60			2.01	
Southern	Minimum	6.40E-06	0.018	26%	0.015	0.001	NW, N, NNE
	Maximum	6.40E-04	1.8			0.104	
	Mean	6.40E-05	0.18			0.010	

Notes:
1. Horizontal hydraulic conductivity values and effective porosity values from Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill (Aspect, 2010).
2. Mean hydraulic conductivity values are the geometric mean of the high and low values.
3. Hydraulic gradients calculated using the potentiometric surface map shown on Figure A-1.

NNE north-northeast; NNW north-northwest; NE, northeast; NW northwest; N, north.



Legend

- **MW-X** XXX.XX — Well completed in Regional Aquifer with water levels within the screen or within 10 feet of the top of screen. *Elevation (feet mean sea level (MSL))*
- **MW-X** — Wells completed in Regional Aquifer with water levels more than 10 feet above the top of screen. *Elevation (feet MSL)*
- **MW-X** — Wells completed in Regional Aquifer - Data not used or no measurement this quarter.
- 300 — Regional Aquifer Groundwater Elevation Contour *(feet MSL)*.
- ? — Inferred Horizontal Groundwater Flow Path
- Pond
- Road
- Ditch
- Fence
- King County Landfill Property
- Building

N

0 1000 2000 Feet

Contour Interval 10 Feet

Notes:

1. Groundwater measurements made on July 07, 2025.
2. Only wells completed in the Regional Aquifer with well screen tops within 10 feet of the water table were used for contouring.

Locations surveyed on North American Datum of 1927 (NAD 27).

Elevations reported in feet above mean sea level based on the National Geodetic Vertical Datum of 1929 (NGVD 29).

Basemap Layer Data: King County Solid Waste Division

King County

Groundwater Potentiometric Surface Map
Third Quarter 2025 - Regional Aquifer
Cedar Hills Regional Landfill
King County, Washington

DATE: December 2025	PROJECT NO. 1126980
DESIGNED BY: AMS	
DRAWN BY: KK	FIGURE NO. C-1
REVISED BY: EWF	

CH_3Q2025.dwg

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Water and Land Resources Division
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Seattle, WA 98104-3855
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TECHNICAL MEMORANDUM

December 19, 2025

TO: Jerome Cruz, Environmental Scientist III, Environmental Health Division, Public Health – Seattle and King County

VIA: Eric Ferguson, Water Quality Planner – Hydrogeologist, Science and Technical Support Section, Water and Land Resources Division, DNRP

FM: Adrienne Scott, Engineer III – Lead Geologist, Facility Engineering and Science Section, Solid Waste Division, DNRP

RE: Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations
Fourth Quarter 2025 Results
Cedar Hills Regional Landfill, King County, Washington

The King County Water and Land Resources Division (WLRD) submits this memorandum report on groundwater conditions during the fourth quarter of 2025 for the regional aquifer beneath the Cedar Hills Regional Landfill (Landfill), in accordance with the *Scope of Work for Services to King County Solid Waste Division – Facility Engineering and Sciences Section* (WLRD, 2023). King County Solid Waste Division (SWD) personnel measured regional aquifer groundwater levels at the Landfill on October 01, 2025; the measurements were used to:

1. Evaluate the potentiometric groundwater surface elevation for the regional aquifer;
2. Determine the groundwater flow direction and horizontal gradient for the regional aquifer; and
3. Calculate the groundwater velocity of the regional aquifer.

There are no significant changes in the groundwater conditions for the regional aquifer in this quarter, when compared to the report submitted for the third quarter of 2025.

Groundwater Elevation Data

The SWD recorded regional aquifer groundwater level measurements during the fourth quarter of 2025. According to Aspect Consultants, monitoring wells with water levels within ten feet of the top of the screened interval are wells that are completed at the water table and are considered regional aquifer wells as referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010) and in *Area 8 Development, Monitoring Well Replacement Report* (HDR, 2021).

Table A-1 lists the groundwater monitoring well identifications, locations, top of well casing elevations, bottom of screen elevations, measured depth to groundwater levels, and calculated groundwater elevations for monitoring wells screened in the regional aquifer. Groundwater elevations from 25 regional aquifer wells were used to model the potentiometric surface contours. Groundwater elevations were within 4.25 feet of the last quarter measurements, and the mean water level difference was 0.86 feet lower.

Figure A-1 shows the groundwater elevation at each well location, groundwater movement arrows, and the potentiometric surface contours for the regional aquifer for the current quarter.

Direction of Groundwater Flow

Potentiometric surface maps represent the modeled groundwater surface at depth. The potentiometric maps are generated by interpolating data between the calculated groundwater elevations at the monitored wells. Each potentiometric contour represents a line of equal hydraulic head where the groundwater elevation remains constant. Groundwater is expected to flow from high elevations to low elevations, with the direction of flow perpendicular to the potentiometric contour.

Figure A-1 shows groundwater flow directions in the regional aquifer. The figure shows that groundwater in the regional aquifer generally flows to the north with minor components of flow in the following areas:

- North, north-northwest, north-northeast to northeast in the *northern portion* of the Landfill,
- north, north-northwest beneath the *central portion* of the Landfill, and
- north, northwest and north-northeast beneath the *southern portion* of the Landfill.

Table A-2 reports the flow direction for each portion of the regional aquifer. Flow directions this quarter are similar to the flow directions reported last quarter.

Groundwater Parameters

Table A-2 presents a summary of the groundwater parameters. Mean horizontal hydraulic conductivity and effective porosity values were based on the ranges referred to in *Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill* (Aspect, 2010). The mean horizontal hydraulic conductivity for the regional aquifer beneath the Landfill is 60 feet per day (ft/d) in the northern and central portions and 0.18 ft/d in the southern portion of the regional aquifer beneath the Landfill (Aspect, 2010). Average effective porosities are 24 and 26 percent, respectively, for the same areas (Aspect, 2010).

Gradients

The hydraulic gradient for the regional aquifer was determined using potentiometric surface maps (Figure A-1). Table A-2 lists the gradients of regional aquifer for the northern, central, and southern portions beneath the Landfill.

The calculated hydraulic gradient is greatest under the southern portion of the Landfill (0.014 ft/ft) and slightly lower under the rest of the Landfill. Gradients calculated for the regional aquifer are within the range of gradients calculated last quarter.

Groundwater Velocities

Average horizontal groundwater velocities for the regional aquifer beneath the Landfill are based on spatial differences in aquifer parameters, hydraulic gradients, and calculations using the following formula:

where:

$$v = \frac{1}{n_{eff}} K \frac{\Delta H}{\Delta L}$$

v = Groundwater velocity [L/t]

n_{eff} = Effective porosity [dimensionless]

K = Hydraulic conductivity [L/t]

$\frac{\Delta H}{\Delta L}$ = Hydraulic gradient [L/L]

Table A-2 summarizes the groundwater parameters used to calculate groundwater velocities for the regional aquifer in the northern, central, and southern portions beneath the Landfill. The mean horizontal groundwater velocities are lowest under the southern portion of the Landfill (0.010 ft/d) and highest under the central portion of the Landfill (with a mean of 2.03 ft/d). The velocities calculated for the regional aquifer this quarter are within the range of groundwater velocities calculated last quarter.

References

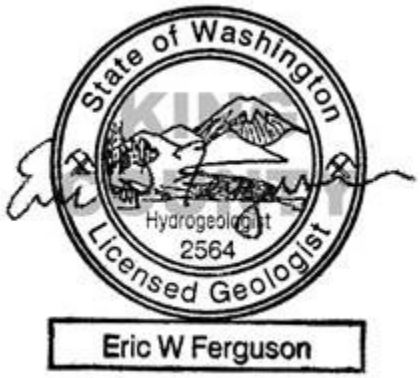
Aspect Consulting, LLC. (Aspect). 2010. Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill. Unpublished work. April 30.

HDR Engineering, Inc. (HDR). 2021. Area 8 Development, Monitoring Well Replacement Report. Prepared in association with Udaloy Environmental Consulting (UEC). Cedar Hills Regional Landfill. Contract No. E00284E12. July.

King County Water and Land Resources Division (WLRD). 2023. Scope of Work for Services to King County Solid Waste Division – Facility Engineering and Science Section. March.

Thank you for the opportunity to provide hydrogeologic services to SWD. If you have any questions, please contact me at 206-477-4690 or eric.ferguson@kingcounty.gov.

Sincerely,



Eric Ferguson, WA LHG
Water Quality Planner III- Hydrogeologist
King County Water and Land Resources Division

Enclosures:

Table C-1: Well Details and Groundwater Elevations – Fourth Quarter 2025

Table C-2: Groundwater Parameters – Regional Aquifer – Fourth Quarter 2025

Figure C-1: Groundwater Potentiometric Surface Map – Fourth Quarter 2025 – Regional Aquifer

Table C-1: Well Details and Groundwater Elevations – Fourth Quarter 2025
Cedar Hills Regional Landfill
King County, Washington

							October 1, 2025	
	Well Identification	Easting[1]	Northing[1]	Top of Casing Elevation[2]	Top of Screen Elevation[2]	Bottom of Screen Elevation[2]	Measured Depth to Water[3]	Groundwater Elevations[2]
		ft	ft	ft MSL	ft MSL	ft MSL	ft	ft MSL
Wells with water levels within 10 ft of the top of screen	MW-60	1701154.47	167873.20	567.15	334.81	325.81	230.45	336.7
	MW-64	1701980.27	168772.19	596.55	334.03	320.23	267.16	329.39
	MW-66	1699750.19	174250.32	531.28	294.39	280.59	240.14	291.14
	MW-67	1701776.69	172610.65	516.43	297.80	284.00	221.82	294.61
	MW-68	1701917.32	170609.35	647.07	311.29	292.29	333.89	313.18
	MW-72	1698229.92	170987.71	671.87	303.63	294.03	362.85	309.02
	MW-73	1698954.95	174995.59	485.70	288.11	278.81	192.97	292.73
	MW-74R	1700386.85	173813.79	531.26	289.90	280.40	241.39	289.87
	MW-76	1700376.23	167193.13	491.71	351.06	341.56	142.62	349.09
	MW-81	1702568.87	172113.99	493.66	309.19	300.19	185.09	308.57
	MW-82	1699553.72	167725.31	474.85	348.88	339.38	126.91	347.94
	MW-83	1697939.89	167212.27	496.81	350.19	340.69	146.34	350.47
	MW-84	1698602.89	173894.54	530.80	292.46	282.96	237.45	293.35
	MW-85	1701828.95	173694.52	531.76	282.56	273.06	247.41	284.35
	MW-86	1701331.25	174917.90	536.04	283.43	274.63	250.95	285.09
	MW-87	1700670.27	173493.76	537.31	283.68	274.38	249.41	287.9
	MW-88	1701807.87	174303.06	513.68	281.52	272.22	228.47	285.21
	MW-93	1702259.35	169851.24	632.15	319.87	310.07	310.04	322.11
	MW-94	1698674.21	167210.22	495.51	357.22	348.52	145.9	349.61
	MW-95	1697265.32	169426.92	571.54	314.60	305.90	252.76	318.78
	MW-100	1700791.72	169610.46	620.32	319.06	309.06	299.71	320.61
	MW-106	1702536.99	173461.69	475.47	280.04	270.04	191.67	283.8
	MW-113	1698238.80	168478.70	531.09	334.79	325.09	189.97	341.12
	MW-114	1698892.70	167919.80	490.45	353.65	344.05	141.9	348.55
	MW-115	1698960.70	167225.80	484.87	352.87	343.27	134.23	350.64
Wells with water levels greater than 10 ft above the top of screen	MW-21	1697901.86	173876.38	420.66	263.22	255.22	126.45	294.21
	MW-22	1701844.34	173088.17	517.09	236.02	231.22	233.41	283.68
	MW-24	1699582.39	167767.76	475.99	286.76	281.76	147.77	328.22
	MW-43	1701274.23	174327.14	547.06	245.63	235.63	264.69	282.37
	MW-54	1702154.28	168435.53	580.43	250.25	228.25	279.96	300.47
	MW-56	1698980.77	167214.82	480.33	323.15	313.15	130.28	350.05
	MW-57	1699993.32	167201.99	456.64	326.65	311.65	107.3	349.34
	MW-58A	1699006.59	167207.16	479.27	270.05	260.05	151.48	327.79
	MW-59	1699983.91	167193.44	457.13	285.08	275.08	126.65	330.48
	MW-65	1701602.10	167146.55	545.83	317.71	308.91	211.86	333.97
	MW-75	1701059.70	173432.42	532.40	271.10	261.00	246.8	285.6
	MW-80	1701309.78	172964.99	530.41	279.17	269.67	240.24	290.17
	MW-89	1701799.57	174319.44	512.82	229.20	219.90	233.26	279.56
	MW-90	1702203.13	174300.67	502.22	235.16	226.16	222.91	279.31
	MW-91	1701023.09	173423.94	532.02	260.81	240.71	248.04	283.98
	MW-99	1702556.06	172098.73	493.64	221.77	212.77	201.58	292.06
	WS-NPW-1	1701906.96	171138.99	646.33	282.80	267.90	334.34	311.99
	WS-NPW-3	1701922.88	170663.28	645.81	285.00	273.90	338.72	307.09
Other	MW-69[4]	1698061.86	172400.20	653.69	293.57	279.97	NM	NM

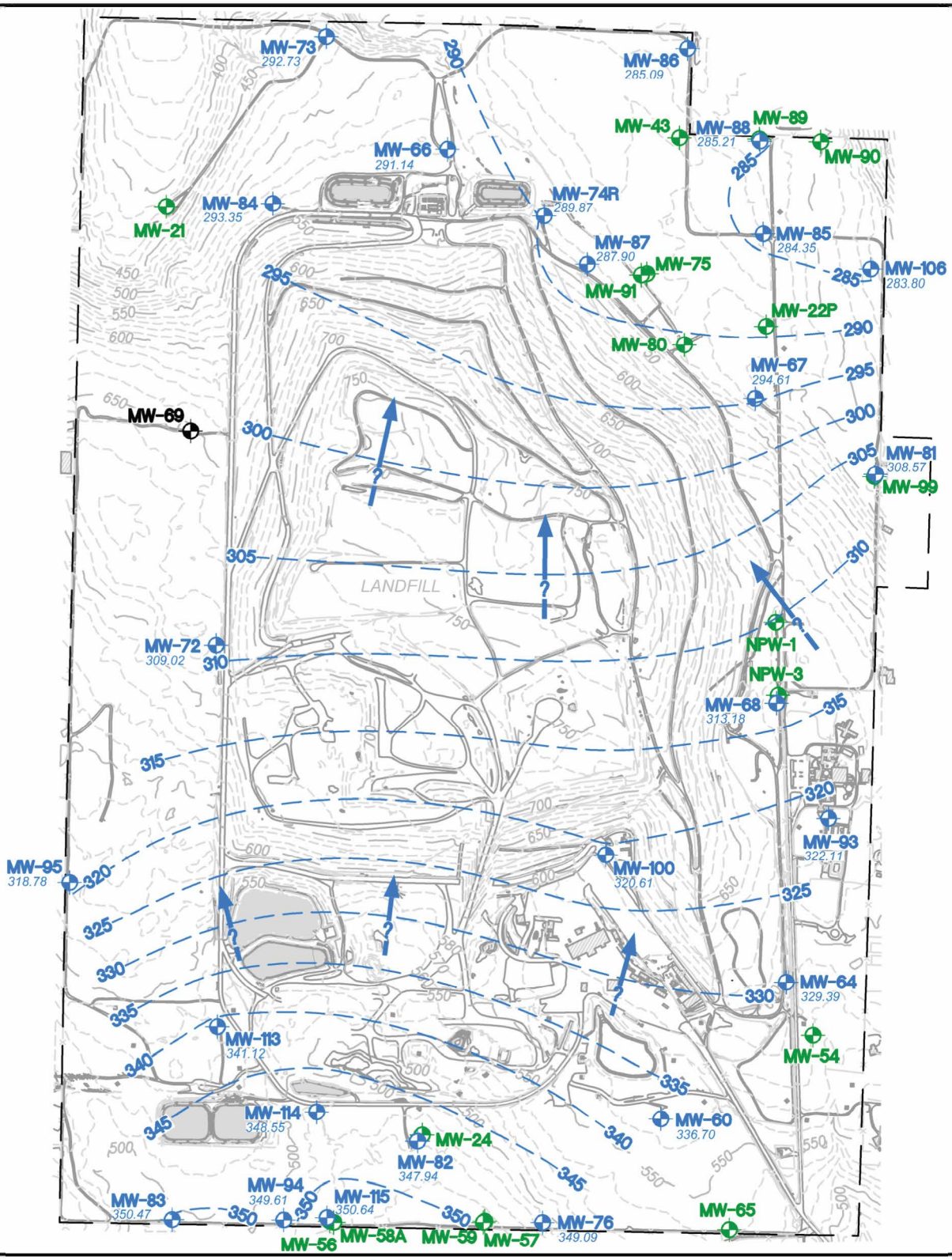
Notes:
1. Reference datum for northing and easting coordinates is the North American Datum of 1927 (NAD 27).
2. Elevations reported in feet (ft) above mean sea level (MSL) based on the National Geodetic Vertical Datum of 1929 (NGVD 29).
3. Water level measurements made by SWD personnel.
4. MW-69 has been identified for replacement as part of the Site Wide Hydrogeologic Report Capital Improvement Project.

Table C-2: Groundwater Parameters – Regional Aquifer
Fourth Quarter 2025
Cedar Hills Regional Landfill
King County, Washington

					Fourth Quarter 2025 - October 01, 2025		
Regional Aquifer Zone Beneath the Landfill	Horizontal Hydraulic Conductivity[1,2] (K)			Effective Porosity[1] (n_{eff})	Horizontal Hydraulic Gradient[3] (DH/DL)	Horizontal Groundwater Velocity (v)	General Groundwater Flow Direction
	Range	cm/s	ft/d		ft/ft	ft/d	
Northern	Minimum	2.10E-03	6	24%	0.007	0.19	NNW, N, NNE, NE
	Maximum	4.20E-02	120			3.75	
	Mean	2.10E-02	60			1.87	
Central	Minimum	2.10E-03	6	24%	0.008	0.20	N, NNW
	Maximum	4.20E-02	120			4.06	
	Mean	2.10E-02	60			2.03	
Southern	Minimum	6.40E-06	0.018	26%	0.014	0.001	NW, N, NNE
	Maximum	6.40E-04	1.8			0.099	
	Mean	6.40E-05	0.18			0.010	

Notes:
1. Horizontal hydraulic conductivity values and effective porosity values from Potentiometric Groundwater Surface Mapping and Groundwater Velocity Calculation – Cedar Hills Landfill (Aspect, 2010).
2. Mean hydraulic conductivity values are the geometric mean of the high and low values.
3. Hydraulic gradients calculated using the potentiometric surface map shown on Figure A-1.

NNE north-northeast; NNW north-northwest; NE, northeast; NW northwest; N, north.



Legend

MW-X XXX.XX — Well completed in Regional Aquifer with water levels within the screen or within 10 feet of the top of screen. *Elevation (feet mean sea level (MSL))*

MW-X — Wells completed in Regional Aquifer with water levels more than 10 feet above the top of screen. *Elevation (feet MSL)*

MW-X — Wells completed in Regional Aquifer - Data not used or no measurement this quarter.

300 — Regional Aquifer Groundwater Elevation Contour *(feet MSL)*.

? — Inferred Horizontal Groundwater Flow Path

Pond
Road
Ditch
Fence
King County Landfill Property
Building

N

0 1000 2000 Feet

Contour Interval 10 Feet

Notes:
1. Groundwater measurements made on October 01, 2025.
2. Only wells completed in the Regional Aquifer with well screen tops within 10 feet of the water table were used for contouring.

Locations surveyed on North American Datum of 1927 (NAD 27).

Elevations reported in feet above mean sea level based on the National Geodetic Vertical Datum of 1929 (NGVD 29).

Basemap Layer Data: King County Solid Waste Division

King County

Groundwater Potentiometric Surface Map
Fourth Quarter 2025 - Regional Aquifer
Cedar Hills Regional Landfill
King County, Washington

DATE: December 2025	PROJECT NO. 1126980
DESIGNED BY: AMS	
DRAWN BY: KK	FIGURE NO. C-1
REVISED BY: EWF	

CH_4Q2025.dwg

APPENDIX D

Ion Balances
and
Trilinear Diagrams

Table D-1

EPZ and SSWA: Ion Balance Summary for Groundwater

January 1, 2025 - March 31, 2025

		Well	**MW-EB6**			**MW-30A**			**MW-47**			**MW-62**			**MW-102**		
		Sample Date	1/21/2025			1/14/2025			1/15/2025			1/13/2025			1/16/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.13			6.33			6.65			6.13			6.45		
Conductance	--		113			323			814			109			158		
TDS	--		91.30			227			523			84.00			115		
Calcium	40.08	2	7.36	0.3673	26.39	33.90	1.69	42.77	104	5.19	49.46	11.50	0.5739	47.10	15.00	0.7485	44.64
Magnesium	24.31	2	3.83	0.3152	22.65	19.20	1.58	39.95	51.80	4.26	40.63	2.80	0.2304	18.91	5.61	0.4616	27.53
Potassium	39.10	1	0.9870	0.0252	1.81	1.71	0.0437	1.11	4.58	0.1172	1.12	0.7200	0.0184	1.51	1.06	0.0271	1.62
Sodium	22.99	1	15.70	0.6830	49.08	14.70	0.6395	16.17	17.70	0.7700	7.34	9.09	0.3954	32.45	10.10	0.4394	26.20
Iron	55.85	2	0.0134	0.0005	0.0345	0.0050	0.0002	0.0045	2.90	0.1038	0.9897	0.0050	0.0002	0.0147	0.0050	0.0002	0.0107
Manganese	54.94	2	0.0009	0.0000	0.0025	0.0002	0.0000	0.0002	1.28	0.0466	0.4440	0.0004	0.0000	0.0011	0.0004	0.0000	0.0009
Ammonia-N	14.01	1	0.0039	0.0003	0.0200	0.0010	0.0001	0.0018	0.0388	0.0028	0.0264	0.0010	0.0001	0.0059	0.0010	0.0001	0.0043
	Total Cations (meq/L)			**1.39**			**3.96**			**10.49**			**1.22**			**1.68**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		0.0000			0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0047	0.0002	0.0119	0.0203	0.0007	0.0178	0.1292	0.0043	0.0420	0.0037	0.0001	0.0104	0.0112	0.0004	0.0218
Bicarbonate	61.01	1	71.36	1.17	88.26	193	3.16	82.96	587	9.61	93.89	55.01	0.9017	76.73	80.62	1.32	77.12
Chloride	35.45	1	0.6710	0.0189	1.43	6.93	0.1955	5.13	8.50	0.2398	2.34	1.79	0.0505	4.30	5.55	0.1566	9.14
Nitrate-N	14.01	1	0.5470	0.0391	2.95	3.22	0.2299	6.04	0.0050	0.0004	0.0035	0.7660	0.0547	4.65	1.19	0.0850	4.96
Sulfate	96.06	2	4.68	0.0974	7.35	10.70	0.2228	5.85	18.30	0.3810	3.72	8.08	0.1682	14.31	7.21	0.1501	8.76
	Total Anions (meq/L)			**1.33**			**3.81**			**10.24**			**1.18**			**1.71**	
	Total Ions (meq/L)			**2.72**			**7.76**			**20.73**			**2.39**			**3.39**	
	Cation/Anion Ratio			**1.05**			**1.04**			**1.02**			**1.04**			**0.9787**	
	Percent Difference			**2.44**			**1.90**			**1.22**			**1.80**			**-1.08**	

Table D-1

EPZ and SSWA: Ion Balance Summary for Groundwater

January 1, 2025 - March 31, 2025

		Well	**MW-103**			**MW-107**			**MW-108**			**MW-109**			**MW-110**		
		Sample Date	3/25/2025			1/21/2025			1/16/2025			1/15/2025			1/16/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		7.90			5.80			6.58			7.23			6.48		
Conductance	--		221			96.50			382			2830			639		
TDS	--		151			78.70			215			2330			423		
Calcium	40.08	2	22.20	1.11	40.88	10.60	0.5289	46.46	22.80	1.14	34.14	46.00	2.30	5.36	74.40	3.71	44.97
Magnesium	24.31	2	10.10	0.8311	30.67	3.23	0.2658	23.35	9.75	0.8023	24.08	20.30	1.67	3.90	38.10	3.14	37.98
Potassium	39.10	1	2.40	0.0614	2.27	1.54	0.0394	3.46	1.36	0.0348	1.04	1.89	0.0483	0.1128	3.10	0.0793	0.9605
Sodium	22.99	1	16.30	0.7091	26.16	4.13	0.1797	15.78	31.20	1.36	40.73	870	37.85	88.33	28.10	1.22	14.81
Iron	55.85	2	0.0143	0.0005	0.0189	1.81	0.0648	5.69	0.0050	0.0002	0.0054	21.20	0.7592	1.77	0.5570	0.0199	0.2416
Manganese	54.94	2	0.0032	0.0001	0.0043	0.9420	0.0343	3.01	0.0002	0.0000	0.0002	3.88	0.1412	0.3296	2.35	0.0855	1.04
Ammonia-N	14.01	1	0.0010	0.0001	0.0026	0.3580	0.0256	2.24	0.0010	0.0001	0.0021	1.18	0.0842	0.1966	0.0079	0.0006	0.0068
	Total Cations (meq/L)			**2.71**			**1.14**			**3.33**			**42.84**			**8.26**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		0.0000			0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.5403	0.0180	0.7064	0.0018	0.0001	0.0056	0.0263	0.0009	0.0264	2.56	0.0853	0.1695	0.0724	0.0024	0.0298
Bicarbonate	61.01	1	138	2.26	88.71	57.21	0.9377	88.07	140	2.30	69.17	3057	50.10	99.57	487	7.98	98.56
Chloride	35.45	1	3.88	0.1095	4.29	0.6270	0.0177	1.66	1.10	0.0310	0.9337	2.40	0.0677	0.1345	2.10	0.0592	0.7320
Nitrate-N	14.01	1	0.0270	0.0019	0.0756	0.0110	0.0008	0.0738	0.6380	0.0455	1.37	0.0500	0.0036	0.0071	0.0050	0.0004	0.0044
Sulfate	96.06	2	7.61	0.1584	6.21	5.21	0.1085	10.19	45.50	0.9473	28.50	2.90	0.0604	0.1200	2.63	0.0548	0.6766
	Total Anions (meq/L)			**2.55**			**1.06**			**3.32**			**50.32**			**8.09**	
	Total Ions (meq/L)			**5.26**			**2.20**			**6.66**			**93.16**			**16.35**	
	Cation/Anion Ratio			**1.06**			**1.07**			**1.00**			**0.8514**			**1.02**	
	Percent Difference			**3.06**			**3.35**			**0.1335**			**-8.03**			**0.9960**	

Table D-1

EPZ and SSWA: Ion Balance Summary for Groundwater

January 1, 2025 - March 31, 2025

		Well	**MW-111**			**MW-112**			**MW-101**		
		Sample Date	1/16/2025			1/21/2025			1/8/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		5.63			7.03			7.02		
Conductance	--		71.90			424			440		
TDS	--		76.70			291			288		
Calcium	40.08	2	6.79	0.3388	42.67	33.60	1.68	33.84	45.30	2.26	41.67
Magnesium	24.31	2	2.08	0.1712	21.56	18.70	1.54	31.06	28.00	2.30	42.47
Potassium	39.10	1	0.2910	0.0074	0.9376	2.66	0.0680	1.37	2.56	0.0655	1.21
Sodium	22.99	1	6.35	0.2762	34.79	38.40	1.67	33.71	17.10	0.7439	13.71
Iron	55.85	2	0.0050	0.0002	0.0226	0.0050	0.0002	0.0036	0.3690	0.0132	0.2436
Manganese	54.94	2	0.0016	0.0001	0.0072	0.0107	0.0004	0.0079	1.01	0.0368	0.6777
Ammonia-N	14.01	1	0.0010	0.0001	0.0090	0.0041	0.0003	0.0059	0.0150	0.0011	0.0197
	Total Cations (meq/L)			**0.7940**			**4.95**			**5.42**	
Anion Parameters	Molecular Weight (g/mol)	n									
Alkalinity, Total	--		0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0006	0.0000	0.0028	0.1120	0.0037	0.0749	0.1516	0.0051	0.1015
Bicarbonate	61.01	1	30.50	0.4999	66.52	212	3.48	69.72	294	4.81	96.69
Chloride	35.45	1	0.8150	0.0230	3.06	16.50	0.4655	9.34	4.04	0.1140	2.29
Nitrate-N	14.01	1	1.44	0.1028	13.68	0.1670	0.0119	0.2392	0.0050	0.0004	0.0072
Sulfate	96.06	2	6.04	0.1258	16.73	49.40	1.03	20.63	2.19	0.0456	0.9158
	Total Anions (meq/L)			**0.7514**			**4.99**			**4.98**	
	Total Ions (meq/L)			**1.55**			**9.94**			**10.40**	
	Cation/Anion Ratio			**1.06**			**0.9939**			**1.09**	
	Percent Difference			**2.75**			**-0.3058**			**4.29**	

Figure D-1a: Trilinear Diagram

Cedar Hills Regional Landfill 1st Quarter 2025

Perched Zone Wells - EPZ

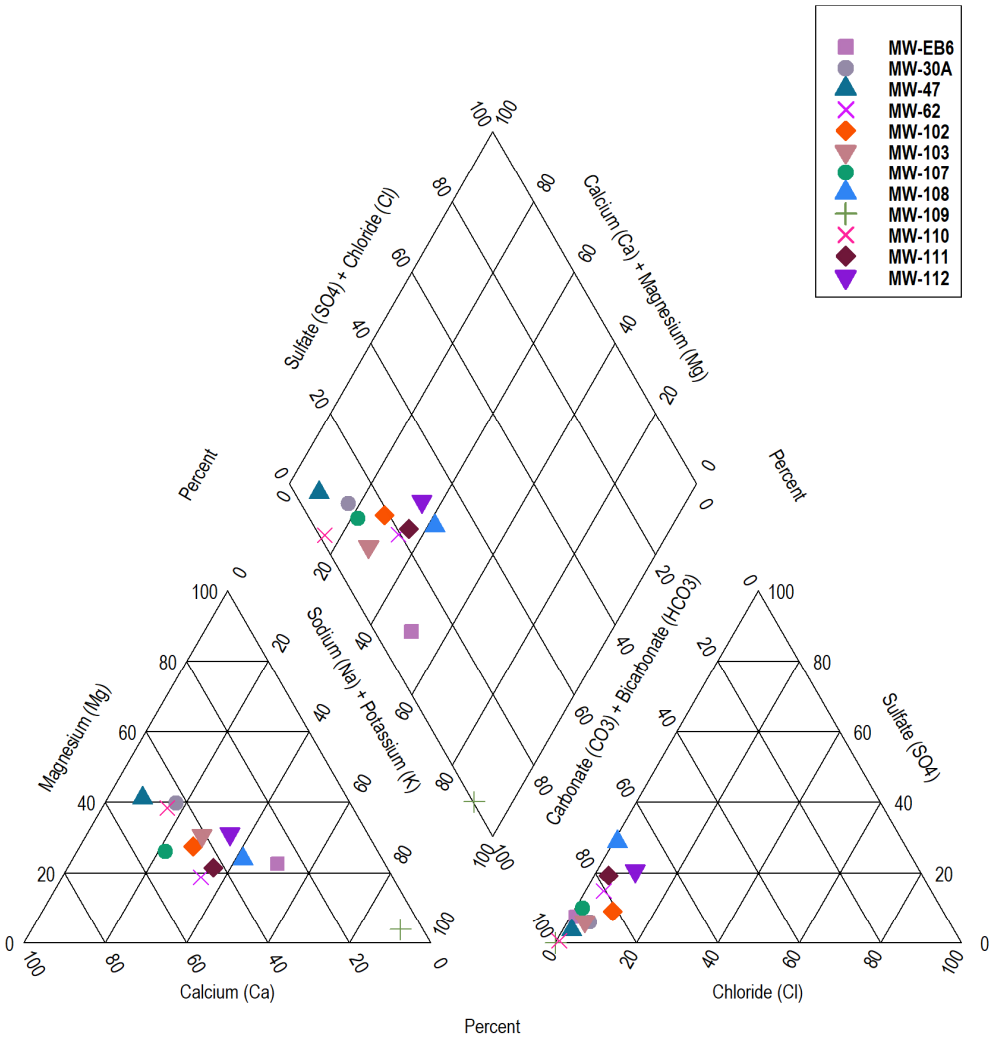


Figure D-1b: Trilinear Diagram

Cedar Hills Regional Landfill 1st Quarter 2025

Perched Zone Wells - SSWA

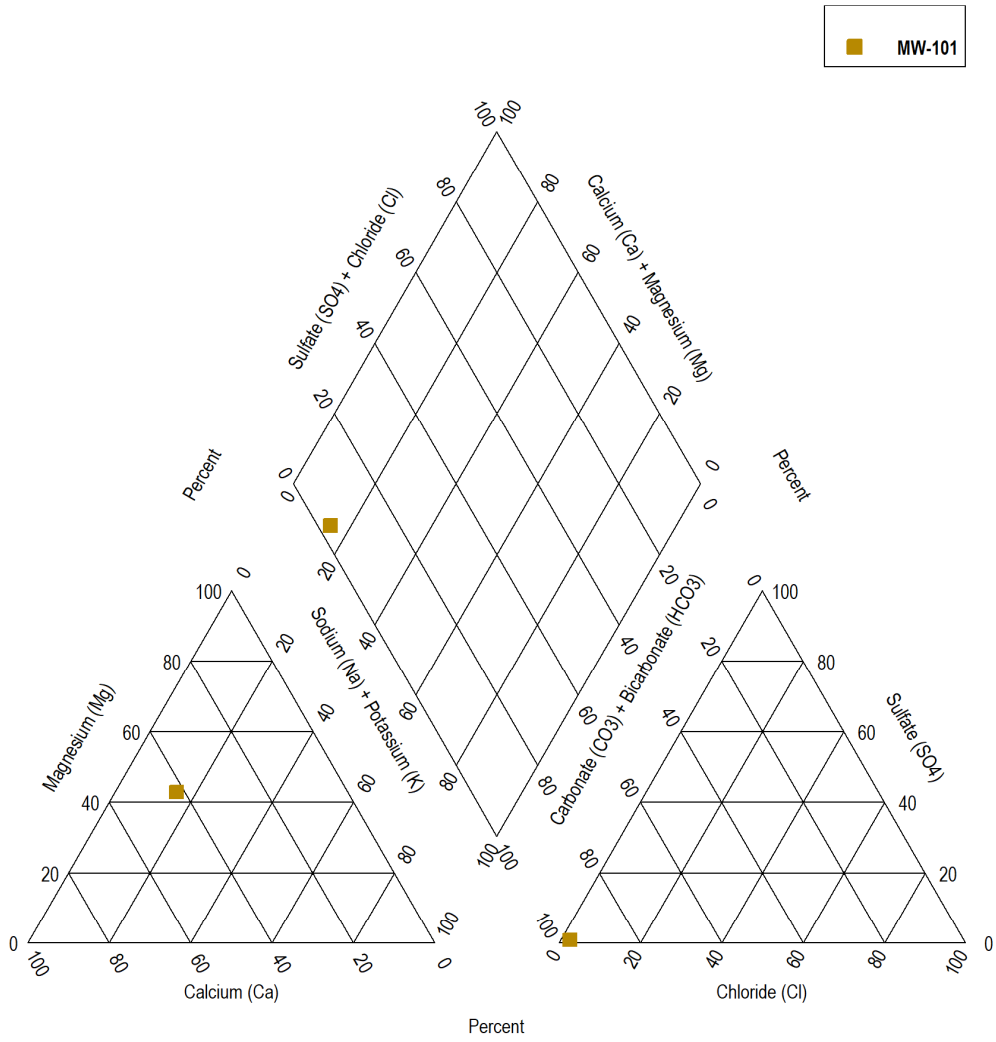


Table D-2

EPZ and SSWA: Ion Balance Summary for Groundwater

April 1, 2025 - June 30, 2025

		Well	MW-EB6			MW-30A			MW-47			MW-62			MW-102		
		Sample Date	4/21/2025			4/21/2025			4/17/2025			4/23/2025			4/21/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.61			6.44			6.78			5.87			6.39		
Conductance	--		122			334			781			120			163		
TDS	--		90			222			491			88			111		
Calcium	40.08	2	7.33	0.37	26.64	35.50	1.77	42.44	99.10	4.95	48.60	12.30	0.61	47.24	14.30	0.71	42.55
Magnesium	24.31	2	4.09	0.34	24.52	20.80	1.71	41.00	50.40	4.15	40.76	3.15	0.26	19.95	5.60	0.46	27.48
Potassium	39.10	1	1.16	0.0297	2.16	1.85	0.0473	1.13	3.89	0.0995	0.98	0.74	0.0189	1.45	1.11	0.0284	1.69
Sodium	22.99	1	14.70	0.6395	46.58	14.80	0.6438	15.42	19.10	0.8309	8.17	9.36	0.4072	31.34	10.90	0.4742	28.27
Iron	55.85	2	0.0263	0.0009	0.0686	0.0050	0.0002	0.0043	2.2700	0.0813	0.7989	0.0050	0.0002	0.0138	0.0050	0.0002	0.0107
Manganese	54.94	2	0.00	0.0001	0.0039	0.00	0.0000	0.0002	1.82	0.0662	0.6511	0.00	0.0000	0.0010	0.00	0.0000	0.0006
Ammonia-N	14.01	1	0.0052	0.0004	0.0270	0.0010	0.0001	0.0017	0.0571	0.0041	0.0401	0.0010	0.0001	0.0055	0.0010	0.0001	0.0043
	Total Cations (meq/L)			**1.37**			**4.17**			**10.17**			**1.30**			**1.68**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		0.0000			0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0142	0.0005	0.0361	0.0263	0.0009	0.0224	0.1641	0.0055	0.0570	0.0021	0.0001	0.0056	0.0093	0.0003	0.0189
Bicarbonate	61.01	1	71	1.16	88.46	194	3.18	81.11	552	9.05	94.30	58	0.95	75.40	77	1.26	76.66
Chloride	35.45	1	0.71	0.0200	1.53	8.09	0.2282	5.82	7.57	0.2135	2.22	2.03	0.0573	4.57	5.45	0.1537	9.33
Nitrate-N	14.01	1	0.5400	0.0386	2.9416	3.6300	0.2591	6.6132	0.0140	0.0010	0.0104	1.0600	0.0757	6.0333	1.0500	0.0750	4.5480
Sulfate	96.06	2	4.43	0.0922	7.0378	12.10	0.2519	6.4288	15.70	0.3269	3.4051	8.43	0.1755	13.9934	7.48	0.1557	9.4489
	Total Anions (meq/L)			**1.31**			**3.92**			**9.60**			**1.25**			**1.65**	
	Total Ions (meq/L)			**2.68**			**8.09**			**19.77**			**2.55**			**3.33**	
	Cation/Anion Ratio			**1.05**			**1.07**			**1.06**			**1.04**			**1.02**	
	Percent Difference			**2.32**			**3.16**			**2.91**			**1.76**			**0.87**	

Table D-2

EPZ and SSWA: Ion Balance Summary for Groundwater

April 1, 2025 - June 30, 2025

			Well	**MW-103**			**MW-107**			**MW-108**			**MW-109**			**MW-110**		
			Sample Date	5/22/2025			4/16/2025			4/22/2025			4/18/2025			4/16/2025		
Cation Parameters	Molecular Weight (g/mol)	n		mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--			8.00			6.06			6.92			7.35			6.38		
Conductance	--			217			129			317			5238			691		
TDS	--			153			89			181			3220			420		
Calcium	40.08	2		21.60	1.08	42.07	12.60	0.63	43.40	22.10	1.10	35.02	49.60	2.48	4.79	74.70	3.73	44.11
Magnesium	24.31	2		9.77	0.80	31.38	3.84	0.32	21.81	9.80	0.81	25.61	23.80	1.96	3.79	40.00	3.29	38.95
Potassium	39.10	1		2.60	0.0665	2.60	1.69	0.0432	2.98	1.17	0.0299	0.95	1.98	0.0506	0.10	2.65	0.0678	0.80
Sodium	22.99	1		14.10	0.6134	23.94	6.02	0.2619	18.08	27.80	1.2093	38.40	1060.00	46.1100	89.22	27.60	1.2006	14.21
Iron	55.85	2		0.0050	0.0002	0.0070	2.7100	0.0970	6.6984	0.0050	0.0002	0.0057	23.7000	0.8487	1.6421	0.5200	0.0186	0.2203
Manganese	54.94	2		0.00	0.0000	0.0007	1.25	0.0455	3.1406	0.00	0.0000	0.0002	3.82	0.1390	0.2690	3.92	0.1427	1.6885
Ammonia-N	14.01	1		0.0010	0.0001	0.0028	0.7900	0.0564	3.8928	0.0024	0.0002	0.0054	1.4300	0.1021	0.1975	0.0278	0.0020	0.0235
	Total Cations (meq/L)				**2.56**			**1.45**			**3.15**			**51.68**			**8.45**	
Anion Parameters	Molecular Weight (g/mol)	n																
Alkalinity, Total	--			0.0000			0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2		0.6610	0.0220	0.8822	0.0039	0.0001	0.0104	0.0565	0.0019	0.0591	1.5718	0.0524	0.2224	0.0573	0.0019	0.0237
Bicarbonate	61.01	1		134	2.20	88.00	69	1.13	90.18	138	2.26	70.93	1424	23.34	99.10	484	7.94	98.63
Chloride	35.45	1		3.68	0.1038	4.16	0.62	0.0174	1.38	1.03	0.0291	0.91	2.70	0.0762	0.32	2.05	0.0578	0.72
Nitrate-N	14.01	1		0.0200	0.0014	0.0572	0.0110	0.0008	0.0625	0.6590	0.0470	1.4780	0.0500	0.0036	0.0152	0.0050	0.0004	0.0044
Sulfate	96.06	2		8.28	0.1724	6.9034	5.05	0.1051	8.3638	40.70	0.8474	26.6219	3.80	0.0791	0.3359	2.40	0.0500	0.6210
	Total Anions (meq/L)				**2.50**			**1.26**			**3.18**			**23.55**			**8.05**	
	Total Ions (meq/L)				**5.06**			**2.71**			**6.33**			**75.24**			**16.50**	
	Cation/Anion Ratio				**1.03**			**1.15**			**0.99**			**2.19**			**1.05**	
	Percent Difference				**1.28**			**7.08**			**-0.54**			**37.39**			**2.45**	

Table D-2

EPZ and SSWA: Ion Balance Summary for Groundwater

April 1, 2025 - June 30, 2025

		Well	**MW-111**			**MW-112**			**MW-101**		
		Sample Date	4/16/2025			4/16/2025			4/23/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		5.77			7.06			6.98		
Conductance	--		76			417			430		
TDS	--		69			279			273		
Calcium	40.08	2	6.64	0.33	42.99	33.70	1.68	34.57	46.10	2.30	42.00
Magnesium	24.31	2	1.97	0.16	21.04	19.90	1.64	33.66	28.40	2.34	42.67
Potassium	39.10	1	0.25	0.0063	0.82	2.23	0.0570	1.17	2.56	0.0655	1.20
Sodium	22.99	1	6.22	0.2706	35.11	34.20	1.4877	30.58	16.40	0.7134	13.03
Iron	55.85	2	0.0050	0.0002	0.0232	0.0050	0.0002	0.0037	0.5760	0.0206	0.3766
Manganese	54.94	2	0.00	0.0001	0.0073	0.01	0.0005	0.0095	1.06	0.0386	0.7045
Ammonia-N	14.01	1	0.0010	0.0001	0.0093	0.0039	0.0003	0.0057	0.0193	0.0014	0.0252
	Total Cations (meq/L)			**0.77**			**4.86**			**5.48**	
Anion Parameters	Molecular Weight (g/mol)	n									
Alkalinity, Total	--		0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0008	0.0000	0.0039	0.1131	0.0038	0.0796	0.1440	0.0048	0.0926
Bicarbonate	61.01	1	29	0.48	66.59	200	3.28	69.16	306	5.01	96.71
Chloride	35.45	1	0.77	0.0216	3.02	16.20	0.4570	9.65	3.23	0.0911	1.76
Nitrate-N	14.01	1	1.4300	0.1021	14.2264	0.1860	0.0133	0.2803	0.0050	0.0004	0.0069
Sulfate	96.06	2	5.57	0.1160	16.1606	47.40	0.9869	20.8356	3.58	0.0745	1.4375
	Total Anions (meq/L)			**0.72**			**4.74**			**5.18**	
	Total Ions (meq/L)			**1.49**			**9.60**			**10.66**	
	Cation/Anion Ratio			**1.07**			**1.03**			**1.06**	
	Percent Difference			**3.57**			**1.34**			**2.74**	

Figure D-2a: Trilinear Diagram

Cedar Hills Regional Landfill 2nd Quarter 2025

Perched Zone Wells – EPZ

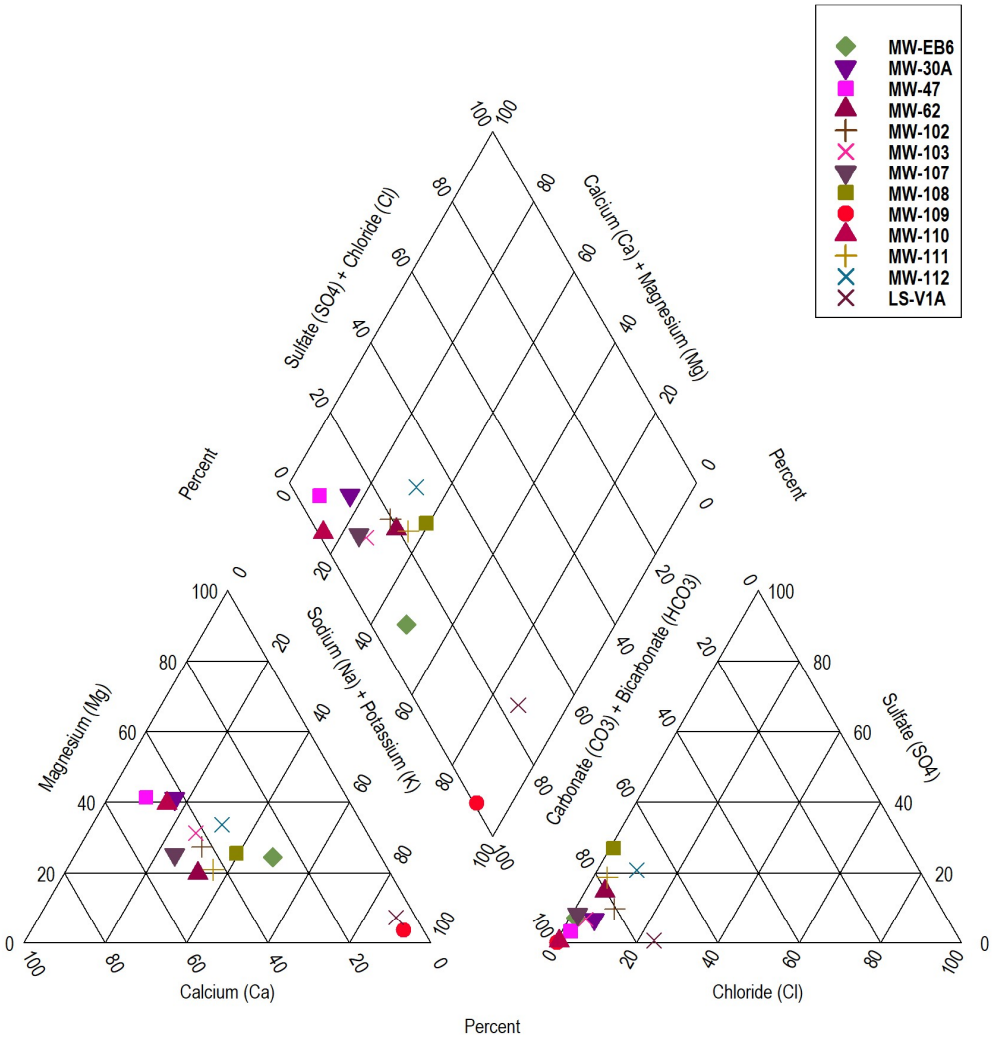


Figure D-2b: Trilinear Diagram

Cedar Hills Regional Landfill 2nd Quarter 2025

Perched Zone Wells – SSWA

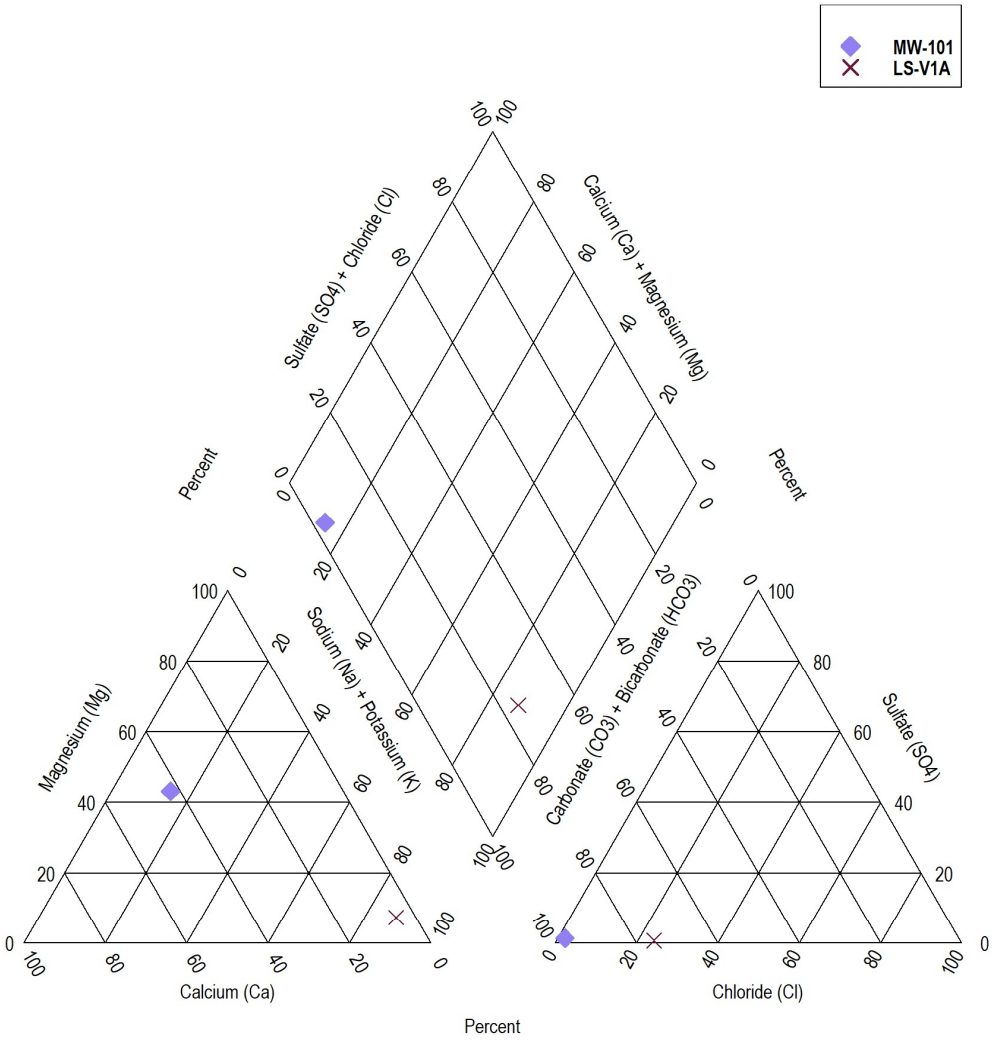


Table D-3

EPZ and SSWA: Ion Balance Summary for Groundwater

July 1, 2025 - September 30, 2025

		Well	MW-30A			MW-47			MW-102			MW-103			MW-107		
		Sample Date	7/28/2025			7/29/2025			7/17/2025			7/29/2025			7/17/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.33			6.92			6.34			7.76			5.45		
Conductance	--		355			868			155			232			109		
TDS	--		257			552			117.00			153			88		
Calcium	40.08	2	39.30	1.96	42.62	108	5.39	48.89	15.40	0.7685	45.26	22.60	1.1277	42.94	12.20	0.61	49.22
Magnesium	24.31	2	23.50	1.93	42.02	56.70	4.67	42.33	5.46	0.4493	26.46	9.85	0.8106	30.86	3.70	0.3045	24.62
Potassium	39.10	1	1.77	0.0453	0.98	4.74	0.1212	1.10	1.0800	0.0276	1.63	2.47	0.0632	2.41	1.67	0.0427	3.45
Sodium	22.99	1	15.20	0.6612	14.37	18.10	0.7874	7.14	10.40	0.4524	26.64	14.30	0.6221	23.69	3.56	0.1549	12.52
Iron	55.85	2	0.0050	0.0002	0.0039	0.82	0.0293	0.2654	0.0050	0.0002	0.0105	0.0560	0.0020	0.0764	2.2900	0.0820	6.6306
Manganese	54.94	2	0.0001	0.0000	0.0001	0.76	0.0278	0.2523	0.0002	0.0000	0.0005	0.0170	0.0006	0.0236	0.7340	0.0267	2.1603
Ammonia-N	14.01	1	0.0010	0.0001	0.0016	0.0204	0.0015	0.0132	0.0010	0.0001	0.0042	0.0010	0.0001	0.0027	0.2410	0.0172	1.3911
	Total Cations (meq/L)			**4.60**			**11.02**			**1.70**			**2.63**			**1.24**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		0.0000			0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0170	0.0006	0.0160	0.2429	0.0081	0.0778	0.0086	0.0003	0.0174	0.3854	0.0128	0.5152	0.0008	0.0000	0.0025
Bicarbonate	61.01	1	161	2.64	74.76	592	9.71	93.28	79.40	1.3014	79.43	135.86	2.23	89.31	57	0.94	88.19
Chloride	35.45	1	11.60	0.3272	9.27	8.67	0.2446	2.35	5.07	0.1430	8.73	3.71	0.1047	4.20	1.46	0.0412	3.86
Nitrate-N	14.01	1	3.75	0.2677	7.58	0.0110	0.0008	0.0075	0.9750	0.0696	4.25	0.04	0.0027	0.11	0.0050	0.0004	0.0335
Sulfate	96.06	2	14.20	0.2956	8.38	21.40	0.4455	4.28	5.96	0.1241	7.57	7.03	0.1464	5.87	4.05	0.0843	7.91
	Total Anions (meq/L)			**3.53**			**10.41**			**1.64**			**2.49**			**1.07**	
	Total Ions (meq/L)			**8.13**			**21.43**			**3.34**			**5.12**			**2.30**	
	Cation/Anion Ratio			**1.30**			**1.06**			**1.04**			**1.0533**			**1.16**	
	Percent Difference			**13.18**			**2.86**			**1.79**			**2.60**			**7.43**	

Table D-3

EPZ and SSWA: Ion Balance Summary for Groundwater

July 1, 2025 - September 30, 2025

		Well	**MW-109**			**MW-110**			**MW-112**			**MW-101**		
		Sample Date	7/22/2025			7/21/2025			7/22/2025			7/16/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.92			6.42			7.07			7.06		
Conductance	--		1432.00			695			392			470		
TDS	--		476.00			429			259			276		
Calcium	40.08	2	29.20	1.4571	17.62	75.30	3.76	43.31	37.20	1.86	38.99	47.40	2.37	41.44
Magnesium	24.31	2	11.00	0.9052	10.95	39.40	3.2422	37.37	21.40	1.76	36.98	30.10	2.48	43.40
Potassium	39.10	1	0.66	0.0169	0.20	2.99	0.0765	0.88	2.70	0.0691	1.4505	2.55	0.0652	1.1429
Sodium	22.99	1	116.00	5.0460	61.03	31.00	1.35	15.54	25	1.07	22.57	17.10	0.74	13.03
Iron	55.85	2	18.80	0.6732	8.14	1.4900	0.0534	0.6151	0.01	0.0002	0.00	0.4230	0.0151	0.2654
Manganese	54.94	2	3.0100	0.1096	1.33	5.3400	0.1944	2.2407	0.01	0.0002	0.0039	1.08	0.0393	0.69
Ammonia-N	14.01	1	0.8320	0.0594	0.72	0.0355	0.0025	0.0292	0.00	0.0003	0.0064	0.0202	0.0014	0.0253
	Total Cations (meq/L)			**8.27**			**8.67**			**4.76**			**5.71**	
Anion Parameters	Molecular Weight (g/mol)	n												
Alkalinity, Total	--		0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.1829	0.0061	0.0827	0.0631	0.0021	0.0260	0.12	0.0040	0.0895	0.1752	0.0058	0.1113
Bicarbonate	61.01	1	446.15	7.3124	99.18	487	7.98	98.72	206	3.38	75.96	310	5.07	96.70
Chloride	35.45	1	1.3000	0.0367	0.50	1.98	0.0559	0.6913	11.30	0.3188	7.1735	3.84	0.1083	2.0648
Nitrate-N	14.01	1	0.0050	0.0004	0.0048	0.0050	0.0004	0.00	0.0050	0.0004	0.0080	0.0050	0.0004	0.0068
Sulfate	96.06	2	0.85	0.0177	0.24	2.16	0.0450	0.56	35.80	0.7454	16.7730	2.82	0.0587	1.1191
	Total Anions (meq/L)			**7.37**			**8.08**			**4.44**			**5.25**	
	Total Ions (meq/L)			**15.64**			**16.75**			**9.21**			**10.95**	
	Cation/Anion Ratio			**1.12**			**1.07**			**1.0715**			**1.09**	
	Percent Difference			**5.72**			**3.5539**			**3.45**			**4.2072**	

Figure D-3a: Trilinear Diagram

Cedar Hills Regional Landfill 3rd Quarter 2025

Perched Zone Wells – EPZ

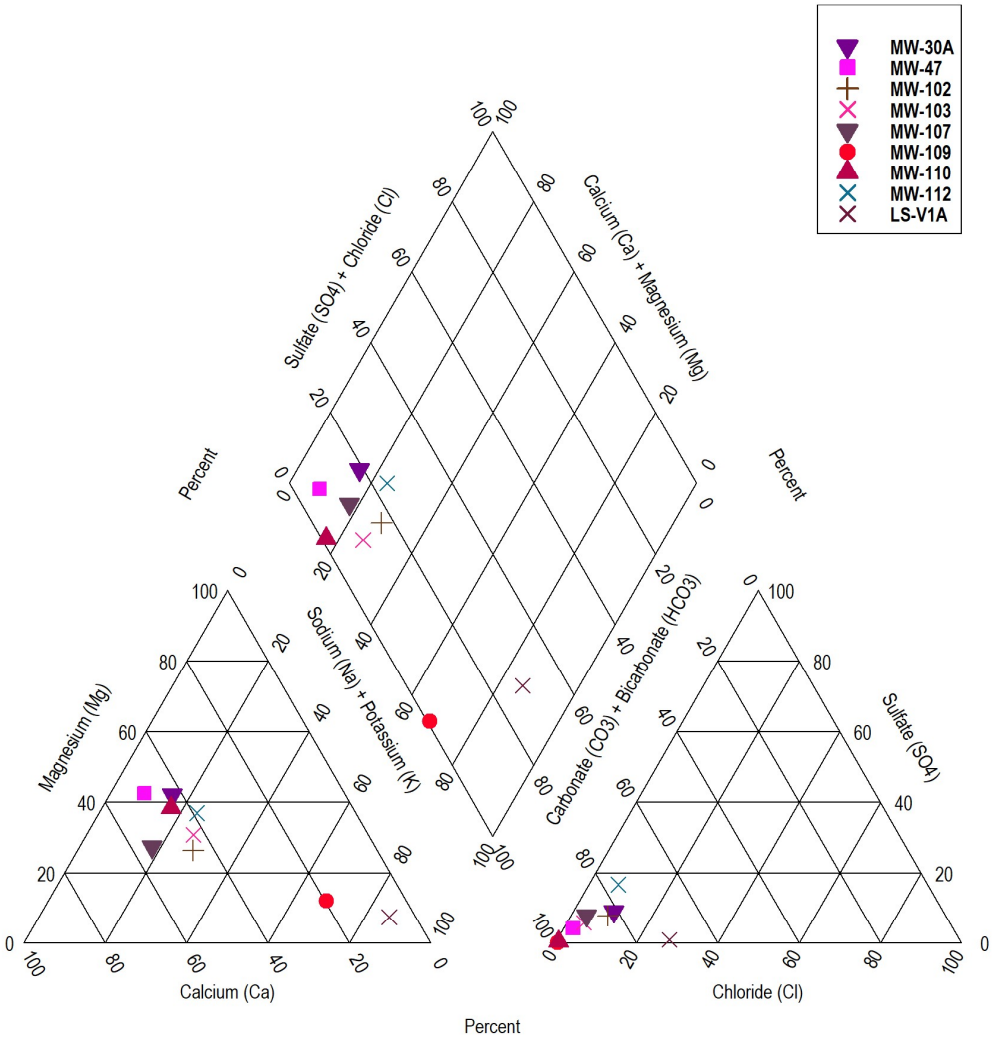


Figure D-3b: Trilinear Diagram

Cedar Hills Regional Landfill 3rd Quarter 2025

Perched Zone Wells – SSWA

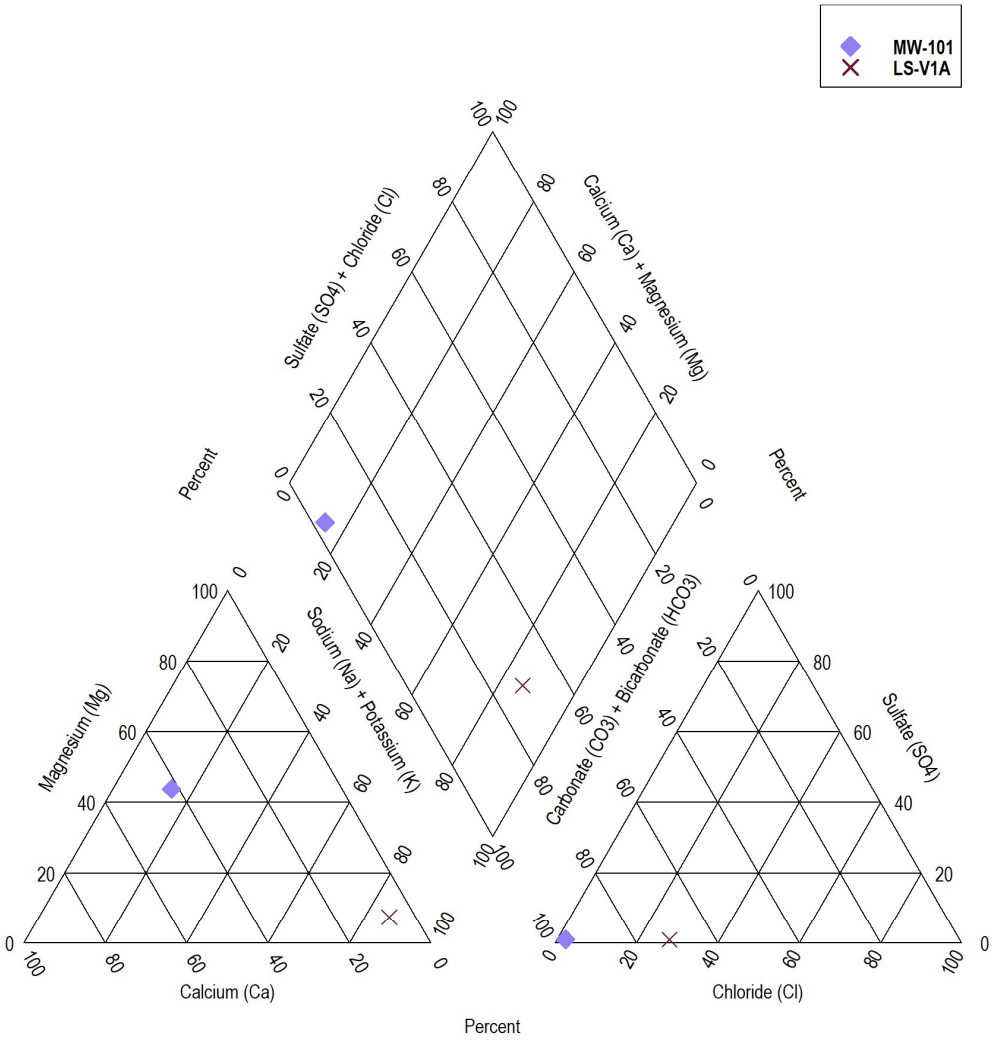


Table D-4

EPZ and SSWA: Ion Balance Summary for Groundwater

October 1, 2025 - December 31, 2025

		Well	MW-30A			MW-47			MW-103			MW-107			MW-110			MW-101		
		Sample Date	10/27/2025			10/27/2025			10/21/2025			10/22/2025			10/20/2025			10/27/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.17			6.84			7.94			5.32			6.36			7.16		
Conductance	--		629			866			224			139			670			460		
TDS	--		437			540			146			101			415			289		
Calcium	40.08	2	67.30	3.36	44.05	105.00	5.24	49.16	22.90	1.14	46.18	15.30	0.76	48.76	78.70	3.93	48.11	48.00	2.40	42.43
Magnesium	24.31	2	41.90	3.45	45.23	54.60	4.49	42.15	10.20	0.84	33.92	5.27	0.43	27.70	38.00	3.13	38.31	29.50	2.43	43.01
Potassium	39.10	1	2.35	0.0601	0.79	4.97	0.1271	1.19	2.68	0.0686	2.77	2.15	0.0550	3.51	3.53	0.0903	1.11	2.76	0.0706	1.25
Sodium	22.99	1	17.40	0.7569	9.93	17.30	0.7526	7.06	9.74	0.4237	17.12	4.24	0.1844	11.78	16.00	0.6960	8.53	16.50	0.7178	12.72
Iron	55.85	2	0.0107	0.0004	0.0050	0.5020	0.0180	0.1687	0.0050	0.0002	0.0072	2.2500	0.0806	5.1459	3.7700	0.1350	1.6538	0.0689	0.0025	0.0437
Manganese	54.94	2	0.00	0.0001	0.0007	0.74	0.0268	0.2513	0.00	0.0000	0.0010	0.85	0.0309	1.9737	5.12	0.1864	2.2830	0.79	0.0288	0.5107
Ammonia-N	14.01	1	0.0029	0.0002	0.0027	0.0283	0.0020	0.0190	0.0010	0.0001	0.0029	0.2480	0.0177	1.1307	0.0187	0.0013	0.0164	0.0286	0.0020	0.0362
	Total Cations (meq/L)			**7.62**			**10.66**			**2.47**			**1.57**			**8.16**			**5.64**	
Anion Parameters	Molecular Weight (g/mol)	n																		
Alkalinity, Total	--		0.0000			0.0000			0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0219	0.0007	0.0100	0.2029	0.0068	0.0653	0.5504	0.0183	0.7571	0.0008	0.0000	0.0018	0.0529	0.0018	0.0227	0.2300	0.0077	0.1402
Bicarbonate	61.01	1	300	4.92	67.25	595	9.75	94.20	128	2.10	86.71	75	1.24	87.76	468	7.68	98.91	323	5.29	96.78
Chloride	35.45	1	55.10	1.5544	21.26	7.81	0.2203	2.13	3.45	0.0973	4.02	2.54	0.0717	5.09	1.94	0.0547	0.71	3.52	0.0993	1.82
Nitrate-N	14.01	1	0.7070	0.0505	0.6902	0.0050	0.0004	0.0034	0.0150	0.0011	0.0442	0.0050	0.0004	0.0253	0.0050	0.0004	0.0046	0.0050	0.0004	0.0065
Sulfate	96.06	2	37.90	0.7891	10.7902	17.90	0.3727	3.6003	9.86	0.2053	8.4715	4.82	0.1004	7.1268	1.35	0.0281	0.3621	3.30	0.0687	1.2567
	Total Anions (meq/L)			**7.31**			**10.35**			**2.42**			**1.41**			**7.76**			**5.47**	
	Total Ions (meq/L)			**14.94**			**21.01**			**4.90**			**2.97**			**15.92**			**11.11**	
	Cation/Anion Ratio			**1.04**			**1.03**			**1.02**			**1.11**			**1.05**			**1.03**	
	Percent Difference			**2.08**			**1.46**			**1.05**			**5.30**			**2.52**			**1.59**	

Figure D-4a: Trilinear Diagram

Cedar Hills Regional Landfill 4th Quarter 2025

Perched Zone Wells – EPZ

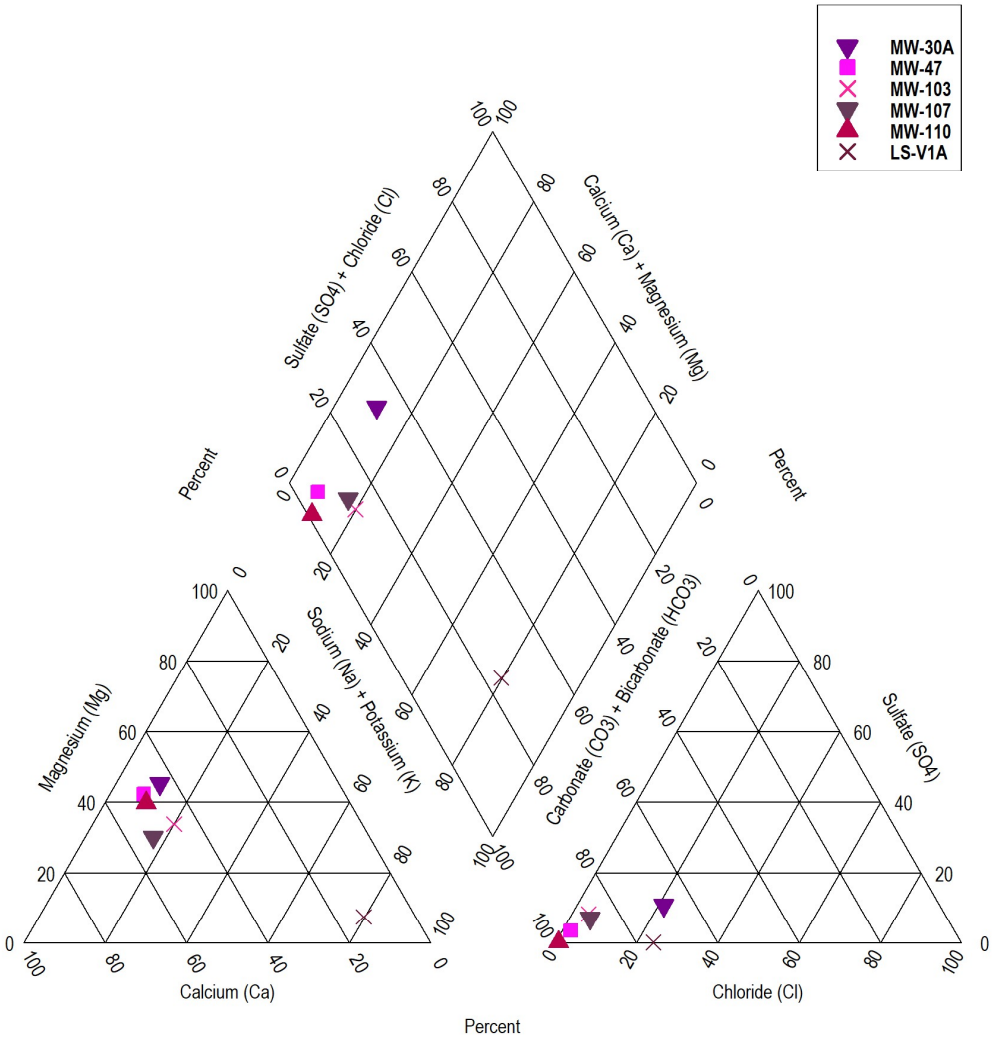


Figure D-4b: Trilinear Diagram

Cedar Hills Regional Landfill 4th Quarter 2025

Perched Zone Wells – SSWA

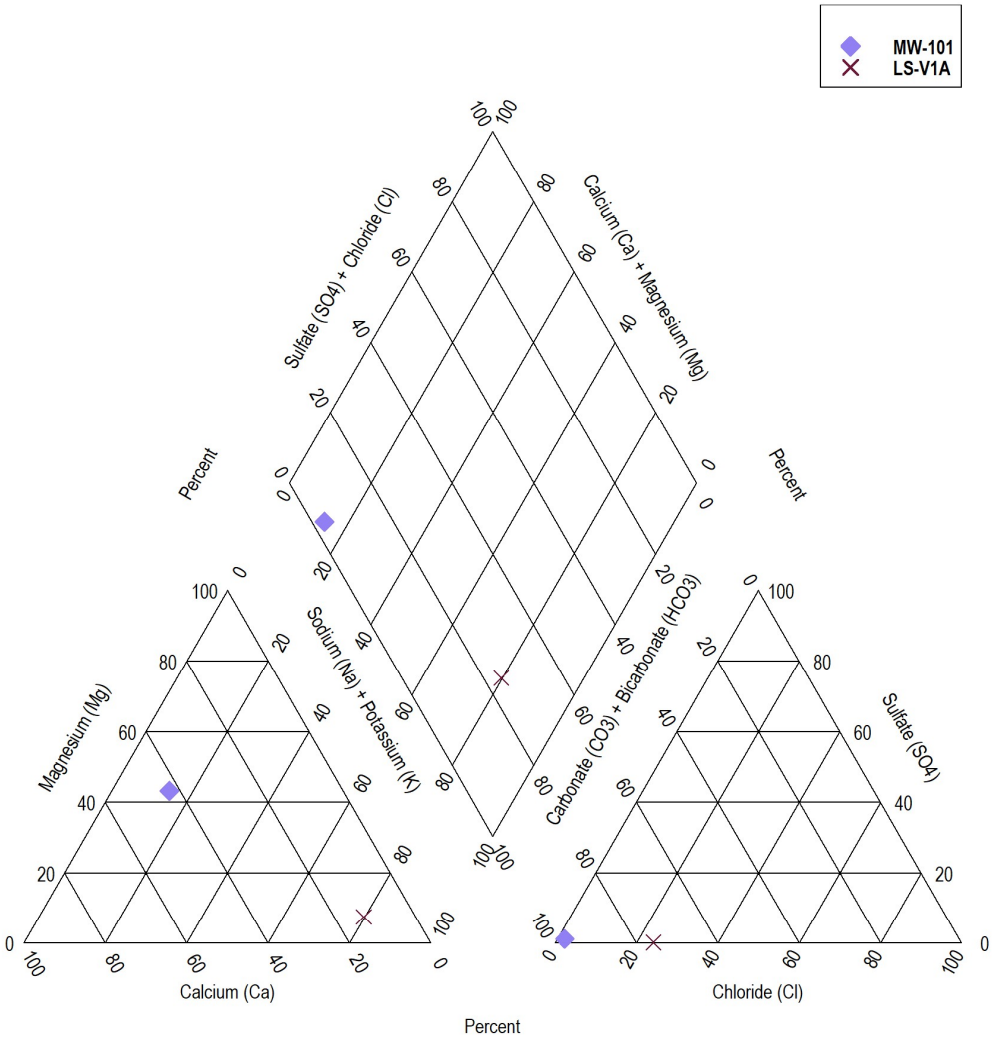


Table D-5

Regional Aquifer - Upgradient Wells: Ion Balance Summary for Groundwater

January 1, 2025 - March 31, 2025

		Well	**MW-59**			**MW-66**			**MW-81**			**MW-83**			**MW-84**		
		Sample Date	1/7/2025			1/8/2025			1/14/2025			1/13/2025			1/8/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.88			6.81			7.19			6.41			6.88		
Conductance	--		225			190			156			465			191		
TDS	--		143			128			111			304			127		
Calcium	40.08	2	20.60	1.03	39.49	16.30	0.8134	36.86	14.80	0.7385	43.76	55.90	2.79	52.05	17.90	0.8932	38.78
Magnesium	24.31	2	13.00	1.07	41.10	12.60	1.04	46.98	7.75	0.6377	37.79	22.80	1.88	35.01	12.70	1.05	45.37
Potassium	39.10	1	1.27	0.0325	1.25	1.16	0.0297	1.34	0.8430	0.0216	1.28	3.47	0.0888	1.66	1.29	0.0330	1.43
Sodium	22.99	1	7.12	0.3097	11.90	7.51	0.3267	14.80	6.66	0.2897	17.17	13.90	0.6047	11.28	7.63	0.3319	14.41
Iron	55.85	2	4.41	0.1579	6.07	0.0050	0.0002	0.0081	0.0050	0.0002	0.0106	0.0050	0.0002	0.0033	0.0050	0.0002	0.0078
Manganese	54.94	2	0.1300	0.0047	0.1818	0.0001	0.0000	0.0001	0.0001	0.0000	0.0001	0.0012	0.0000	0.0008	0.0006	0.0000	0.0010
Ammonia-N	14.01	1	0.0065	0.0005	0.0178	0.0010	0.0001	0.0032	0.0010	0.0001	0.0042	0.0010	0.0001	0.0013	0.0010	0.0001	0.0031
	Total Cations (meq/L)			**2.60**			**2.21**			**1.69**			**5.36**			**2.30**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		83.20			83.60			59.20			195			83.60		
Carbonate	60.00	2	0.0379	0.0013	0.0537	0.0324	0.0011	0.0515	0.0551	0.0018	0.1084	0.0301	0.0010	0.0189	0.0381	0.0013	0.0582
Bicarbonate	61.01	1	101	1.66	70.68	102	1.67	79.50	72.11	1.18	69.85	238	3.90	73.38	102	1.67	76.58
Chloride	35.45	1	13.10	0.3696	15.71	4.04	0.1140	5.42	5.42	0.1529	9.04	39.10	1.10	20.76	5.86	0.1653	7.58
Nitrate-N	14.01	1	0.0050	0.0004	0.0152	0.5150	0.0368	1.75	1.48	0.1057	6.24	1.31	0.0935	1.76	0.1260	0.0090	0.4124
Sulfate	96.06	2	15.30	0.3185	13.54	13.40	0.2790	13.28	12.00	0.2498	14.76	10.40	0.2165	4.08	16.10	0.3352	15.37
	Total Anions (meq/L)			**2.35**			**2.10**			**1.69**			**5.31**			**2.18**	
	Total Ions (meq/L)			**4.96**			**4.31**			**3.38**			**10.67**			**4.48**	
	Cation/Anion Ratio			**1.11**			**1.05**			**0.9974**			**1.01**			**1.06**	
	Percent Difference			**5.06**			**2.45**			**-0.1288**			**0.4413**			**2.73**	

Table D-5

Regional Aquifer - Upgradient Wells: Ion Balance Summary for Groundwater

January 1, 2025 - March 31, 2025

		Well	MW-94			MW-113			MW-114			MW-115		
		Sample Date	1/13/2025			1/8/2025			1/14/2025			1/7/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.47			7.34			6.76			6.64		
Conductance	--		259			392			330			288		
TDS	--		175			245			231			197		
Calcium	40.08	2	27.90	1.39	47.35	42.70	2.13	45.43	38.30	1.91	49.11	33.90	1.69	50.44
Magnesium	24.31	2	12.20	1.00	34.14	23.80	1.96	41.76	19.10	1.57	40.39	14.90	1.23	36.56
Potassium	39.10	1	2.73	0.0698	2.37	2.27	0.0581	1.24	2.54	0.0650	1.67	2.18	0.0558	1.66
Sodium	22.99	1	10.90	0.4742	16.13	10.70	0.4655	9.92	7.90	0.3437	8.83	8.73	0.3798	11.32
Iron	55.85	2	0.0050	0.0002	0.0061	1.61	0.0577	1.23	0.0050	0.0002	0.0046	0.0050	0.0002	0.0053
Manganese	54.94	2	0.0013	0.0000	0.0016	0.5050	0.0184	0.3919	0.0004	0.0000	0.0004	0.0010	0.0000	0.0011
Ammonia-N	14.01	1	0.0010	0.0001	0.0024	0.0158	0.0011	0.0241	0.0010	0.0001	0.0018	0.0010	0.0001	0.0021
	Total Cations (meq/L)			**2.94**			**4.69**			**3.89**			**3.35**	
Anion Parameters	Molecular Weight (g/mol)	n												
Alkalinity, Total	--		109			172			139			125		
Carbonate	60.00	2	0.0193	0.0006	0.0223	0.2258	0.0075	0.1675	0.0481	0.0016	0.0431	0.0328	0.0011	0.0343
Bicarbonate	61.01	1	133	2.18	75.39	209	3.43	76.37	169	2.78	74.64	152	2.50	78.42
Chloride	35.45	1	16.10	0.4542	15.71	29.40	0.8294	18.46	24.50	0.6911	18.57	15.00	0.4232	13.28
Nitrate-N	14.01	1	0.6480	0.0463	1.60	0.0050	0.0004	0.0079	1.01	0.0721	1.94	1.15	0.0821	2.58
Sulfate	96.06	2	10.10	0.2103	7.28	10.80	0.2249	5.00	8.59	0.1788	4.81	8.70	0.1811	5.69
	Total Anions (meq/L)			**2.89**			**4.49**			**3.72**			**3.19**	
	Total Ions (meq/L)			**5.83**			**9.18**			**7.61**			**6.54**	
	Cation/Anion Ratio			**1.02**			**1.04**			**1.05**			**1.05**	
	Percent Difference			**0.8603**			**2.13**			**2.24**			**2.56**	

Table D-5

Regional Aquifer - Downgradient Wells: Ion Balance Summary for Groundwater

January 1, 2025 - March 31, 2025

		Well	MW-68			MW-72			MW-74R			MW-75			MW-80		
		Sample Date	1/21/2025			1/13/2025			1/13/2025			1/18/2025			1/21/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		7.16			6.92			6.91			6.81			7.15		
Conductance	--		232			301			495			375			310		
TDS	--		149			189			309			257			203		
Calcium	40.08	2	25.10	1.25	43.67	31.10	1.55	42.98	48.30	2.41	40.67	35.90	1.79	39.67	34.00	1.70	45.68
Magnesium	24.31	2	14.20	1.17	40.75	18.50	1.52	42.16	35.20	2.90	48.88	25.40	2.09	46.28	18.20	1.50	40.33
Potassium	39.10	1	1.55	0.0396	1.38	1.96	0.0501	1.39	2.32	0.0593	1.00	2.21	0.0565	1.25	1.69	0.0432	1.16
Sodium	22.99	1	8.80	0.3828	13.35	8.74	0.3802	10.53	12.70	0.5525	9.32	10.10	0.4394	9.73	8.59	0.3737	10.06
Iron	55.85	2	0.3630	0.0130	0.4533	2.59	0.0927	2.57	0.0766	0.0027	0.0463	3.54	0.1268	2.81	2.46	0.0881	2.37
Manganese	54.94	2	0.2780	0.0101	0.3529	0.3300	0.0120	0.3327	0.1300	0.0047	0.0798	0.3120	0.0114	0.2515	0.3830	0.0139	0.3754
Ammonia-N	14.01	1	0.0175	0.0012	0.0436	0.0171	0.0012	0.0338	0.0029	0.0002	0.0035	0.0104	0.0007	0.0164	0.0101	0.0007	0.0194
	Total Cations (meq/L)			**2.87**			**3.61**			**5.93**			**4.52**			**3.71**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		116			0.0000			219			0.0000			0.0000		
Carbonate	60.00	2	0.1007	0.0034	0.1244	0.0675	0.0022	0.0662	0.1070	0.0036	0.0616	0.0481	0.0016	0.0386	0.1120	0.0037	0.1059
Bicarbonate	61.01	1	141	2.32	85.83	165	2.70	79.42	267	4.38	75.61	151	2.48	59.57	161	2.64	74.81
Chloride	35.45	1	3.75	0.1058	3.92	9.33	0.2632	7.75	28.70	0.8096	13.99	15.40	0.4344	10.44	5.19	0.1464	4.16
Nitrate-N	14.01	1	0.0050	0.0004	0.0132	0.0050	0.0004	0.0105	0.5350	0.0382	0.6600	0.0050	0.0004	0.0086	0.0050	0.0004	0.0101
Sulfate	96.06	2	13.10	0.2727	10.11	20.80	0.4331	12.75	26.90	0.5601	9.68	59.80	1.25	29.93	35.40	0.7370	20.92
	Total Anions (meq/L)			**2.70**			**3.40**			**5.79**			**4.16**			**3.52**	
	Total Ions (meq/L)			**5.57**			**7.01**			**11.71**			**8.68**			**7.24**	
	Cation/Anion Ratio			**1.06**			**1.06**			**1.02**			**1.09**			**1.05**	
	Percent Difference			**3.04**			**3.06**			**1.19**			**4.12**			**2.63**	

Table D-5

Regional Aquifer - Downgradient Wells: Ion Balance…

January 1, 2025 - March 31, 2025

		Well	**MW-85**			**MW-87**		
		Sample Date	1/14/2025			1/13/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		7.06			6.81		
Conductance	--		348			494		
TDS	--		223			368		
Calcium	40.08	2	37.40	1.87	44.31	47.10	2.35	41.36
Magnesium	24.31	2	22.50	1.85	43.96	31.50	2.59	45.62
Potassium	39.10	1	1.78	0.0455	1.08	2.47	0.0632	1.11
Sodium	22.99	1	10.30	0.4481	10.64	11.00	0.4785	8.42
Iron	55.85	2	0.0050	0.0002	0.0043	4.98	0.1783	3.14
Manganese	54.94	2	0.0001	0.0000	0.0001	0.5150	0.0187	0.3299
Ammonia-N	14.01	1	0.0010	0.0001	0.0017	0.0168	0.0012	0.0211
	Total Cations (meq/L)			**4.21**			**5.68**	
Anion Parameters	Molecular Weight (g/mol)	n						
Alkalinity, Total	--		0.0000			0.0000		
Carbonate	60.00	2	0.1138	0.0038	0.0901	0.0516	0.0017	0.0313
Bicarbonate	61.01	1	201	3.30	78.30	162	2.66	48.41
Chloride	35.45	1	8.38	0.2364	5.62	19.10	0.5388	9.81
Nitrate-N	14.01	1	0.0964	0.0069	0.1635	0.0270	0.0019	0.0351
Sulfate	96.06	2	32.00	0.6662	15.83	110	2.29	41.71
	Total Anions (meq/L)			**4.21**			**5.49**	
	Total Ions (meq/L)			**8.42**			**11.17**	
	Cation/Anion Ratio			**1.00**			**1.03**	
	Percent Difference			**0.0332**			**1.72**	

Figure D-5a: Trilinear Diagram

Cedar Hills Regional Landfill 1st Quarter 2025

Regional Aquifer Wells - Upgradient

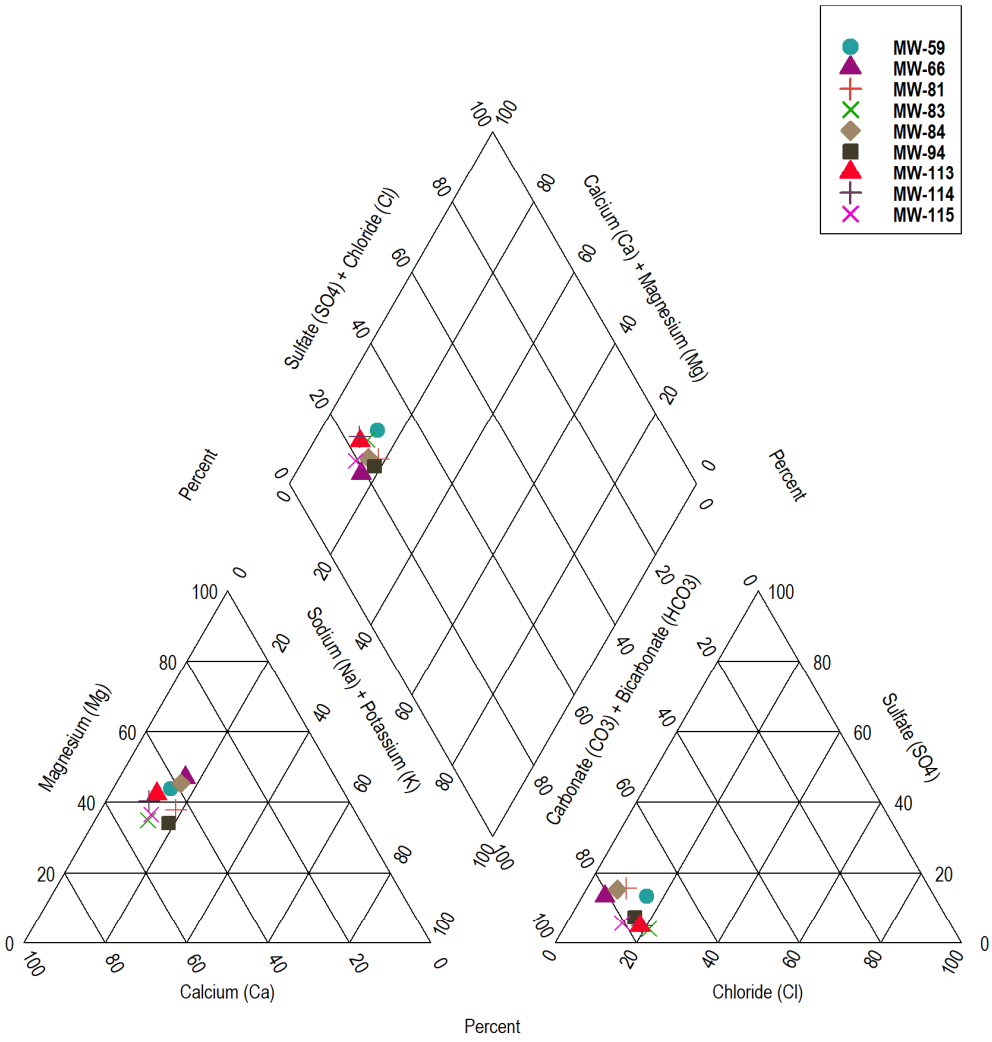


Figure D-5b: Trilinear Diagram

Cedar Hills Regional Landfill 1st Quarter 2025

Regional Aquifer Wells - Downgradient

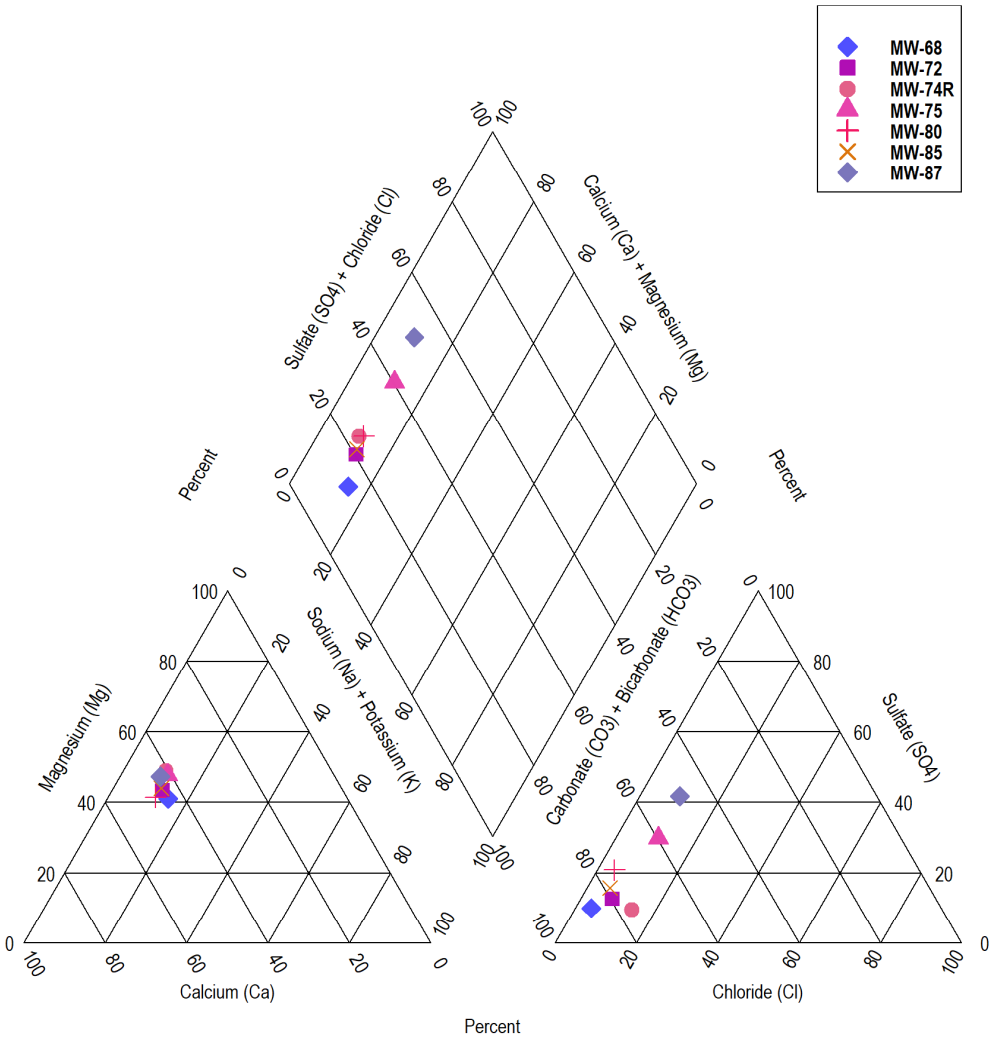


Table D-6

Regional Aquifer - Upgradient Wells: Ion Balance Summary for Groundwater

April 1, 2025 - June 30, 2025

			Well	**MW-21**			**MW-24**			**MW-56**			**MW-59**			**MW-64**		
			Sample Date	4/23/2025			4/2/2025			4/2/2025			4/3/2025			4/14/2025		
Cation Parameters	Molecular Weight (g/mol)	n		mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--			8.03			7.10			6.52			6.78			6.96		
Conductance	--			148			204			271			239			203		
TDS	--			92			131			181			147			120		
Calcium	40.08	2		12.70	0.63	37.93	17.50	0.8733	37.58	29.90	1.4920	45.78	20.90	1.04	38.79	19.10	0.9531	41.86
Magnesium	24.31	2		7.44	0.61	36.65	12.10	1.00	42.85	16.60	1.3660	41.92	13.70	1.13	41.93	11.70	0.96	42.28
Potassium	39.10	1		1.15	0.0294	1.76	1.12	0.0286	1.23	1.4200	0.0363	1.11	1.27	0.0325	1.21	1.25	0.0320	1.40
Sodium	22.99	1		6.34	0.2758	16.51	6.80	0.2958	12.73	8.13	0.3537	10.85	7.34	0.3193	11.88	7.26	0.3158	13.87
Iron	55.85	2		3.10	0.1110	6.64	3.4500	0.1235	5.3165	0.0645	0.0023	0.0709	4.5000	0.1611	5.9935	0.1210	0.0043	0.1903
Manganese	54.94	2		0.1400	0.0051	0.3050	0.1140	0.0041	0.1786	0.2280	0.0083	0.2547	0.1360	0.0050	0.1841	0.1130	0.0041	0.1806
Ammonia-N	14.01	1		0.0476	0.0034	0.2034	0.0378	0.0027	0.1161	0.0027	0.0002	0.0059	0.0068	0.0005	0.0181	0.0678	0.0048	0.2126
	Total Cations (meq/L)				**1.67**			**2.32**			**3.26**			**2.69**			**2.28**	
Anion Parameters	Molecular Weight (g/mol)	n																
Alkalinity, Total	--			66.00			72.90			88.80			81			93.70		
Carbonate	60.00	2		0.4208	0.0140	0.9168	0.0551	0.0018	0.0898	0.0177	0.0006	0.0204	0.0295	0.0010	0.0418	0.0513	0.0017	0.0784
Bicarbonate	61.01	1		80	1.31	85.35	89	1.46	71.17	108.30	1.78	61.48	99	1.63	69.25	114	1.87	85.79
Chloride	35.45	1		2.26	0.0638	4.17	10.50	0.2962	14.48	30.90	0.8717	30.19	13.60	0.38	16.33	3.09	0.0872	4.00
Nitrate-N	14.01	1		0.0050	0.0004	0.0233	0.0050	0.0004	0.02	0.32	0.0231	0.80	0.01	0.0004	0.02	0.0050	0.0004	0.0164
Sulfate	96.06	2		7.01	0.1459	9.54	14.00	0.2915	14.25	10.40	0.2165	7.50	16.20	0.3373	14.36	10.60	0.2207	10.12
	Total Anions (meq/L)				**1.53**			**2.05**			**2.89**			**2.35**			**2.18**	
	Total Ions (meq/L)				**3.20**			**4.37**			**6.15**			**5.04**			**4.46**	
	Cation/Anion Ratio				**1.09**			**1.14**			**1.1288**			**1.14**			**1.04**	
	Percent Difference				**4.40**			**6.36**			**6.0502**			**6.7430**			**2.13**	

Table D-6

Regional Aquifer - Upgradient Wells: Ion Balance Summary for Groundwater

April 1, 2025 - June 30, 2025

			Well	**MW-65**			**MW-66**			**MW-73**			**MW-76**			**MW-81**		
			Sample Date	4/3/2025			4/23/2025			4/23/2025			4/9/2025			4/10/2025		
Cation Parameters	Molecular Weight (g/mol)	n		mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--			6.70			6.80			6.96			6.50			6.86		
Conductance	--			185			199			122			244			165		
TDS	--			107			120			91			157			108		
Calcium	40.08	2		15.00	0.75	37.23	16.50	0.82	36.19	11.20	0.56	42.19	23.50	1.17	44.19	15.00	0.75	42.89
Magnesium	24.31	2		9.40	0.77	38.47	13.20	1.09	47.75	6.01	0.49	37.33	10.10	0.83	31.32	7.99	0.66	37.68
Potassium	39.10	1		1.05	0.0269	1.34	1.18	0.0302	1.33	0.80	0.0206	1.55	1.42	0.0363	1.37	0.80	0.0204	1.17
Sodium	22.99	1		6.39	0.2780	13.82	7.70	0.3350	14.72	5.76	0.2506	18.91	14.10	0.6134	23.11	7.32	0.3184	18.25
Iron	55.85	2		4.8200	0.1726	8.5842	0.01	0.0002	0.01	0.0050	0.0002	0.0135	0.0050	0.0002	0.0067	0.0050	0.0002	0.0103
Manganese	54.94	2		0.2900	0.0106	0.5250	0.0001	0.0000	0.0001	0.0001	0.0000	0.0001	0.0001	0.0000	0.0001	0.0001	0.0000	0.0001
Ammonia-N	14.01	1		0.0098	0.0007	0.0348	0.0010	0.0001	0.0031	0.0010	0.0001	0.0054	0.0010	0.0001	0.0027	0.0010	0.0001	0.0041
	Total Cations (meq/L)				**2.01**			**2.27**			**1.32**			**2.65**			**1.75**	
Anion Parameters	Molecular Weight (g/mol)	n																
Alkalinity, Total	--			61			84			50			83			58		
Carbonate	60.00	2		0.0185	0.0006	0.0355	0.0318	0.0011	0.0499	0.0272	0.0009	0.0701	0.0158	0.0005	0.0206	0.0253	0.0008	0.0498
Bicarbonate	61.01	1		75	1.23	70.61	102	1.68	78.96	61	0.99	76.69	102	1.67	64.97	71	1.16	68.58
Chloride	35.45	1		11.20	0.3160	18.21	4.14	0.1168	5.50	2.52	0.0711	5.49	13.00	0.3667	14.31	5.63	0.1588	9.37
Nitrate-N	14.01	1		0.0050	0.0004	0.02	0.5260	0.0376	1.7684	1.20	0.0857	6.62	1.19	0.0850	3.31	1.5800	0.1128	6.6522
Sulfate	96.06	2		9.27	0.1930	11.12	14.00	0.2915	13.73	6.92	0.1441	11.13	21.40	0.4455	17.38	12.50	0.2603	15.35
	Total Anions (meq/L)				**1.74**			**2.12**			**1.29**			**2.56**			**1.70**	
	Total Ions (meq/L)				**3.75**			**4.40**			**2.62**			**5.22**			**3.44**	
	Cation/Anion Ratio				**1.16**			**1.07**			**1.02**			**1.04**			**1.03**	
	Percent Difference				**7.3592**			**3.44**			**1.15**			**1.74**			**1.44**	

Table D-6

Regional Aquifer - Upgradient Wells: Ion Balance Summary for Groundwater

April 1, 2025 - June 30, 2025

		Well	MW-82			MW-83			MW-84			MW-94			MW-113		
		Sample Date	4/2/2025			4/2/2025			4/10/2025			4/2/2025			4/3/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.78			6.62			6.64			6.25			7.30		
Conductance	--		290			699			197			304			388		
TDS	--		200			436			120			197			238		
Calcium	40.08	2	28.50	1.42	42.16	82.70	4.13	51.70	16.00	0.80	36.05	31.30	1.56	46.13	41.30	2.06	43.87
Magnesium	24.31	2	18.40	1.51	44.89	36.10	2.97	37.21	12.80	1.05	47.56	14.60	1.20	35.49	24.80	2.04	43.45
Potassium	39.10	1	1.90	0.0486	1.44	4.32	0.1105	1.38	1.06	0.0271	1.22	2.89	0.0739	2.18	2.17	0.0555	1.18
Sodium	22.99	1	8.91	0.3876	11.49	17.80	0.7743	9.70	7.71	0.3354	15.15	12.60	0.5481	16.19	10.80	0.4698	10.00
Iron	55.85	2	0.01	0.0002	0.01	0.0050	0.0002	0.0022	0.01	0.0002	0.01	0.01	0.0002	0.01	1.4500	0.0519	1.1054
Manganese	54.94	2	0.0001	0.0000	0.0001	0.0076	0.0003	0.0035	0.0005	0.0000	0.0008	0.0006	0.0000	0.0006	0.4720	0.0172	0.3658
Ammonia-N	14.01	1	0.0024	0.0002	0.0051	0.0023	0.0002	0.0021	0.0010	0.0001	0.0032	0.0010	0.0001	0.0021	0.0173	0.0012	0.0263
	Total Cations (meq/L)			**3.37**			**7.98**			**2.21**			**3.39**			**4.70**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		0.0000			276			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0424	0.0014	0.0456	0.0692	0.0023	0.0298	0.0212	0.0007	0.0339	0.0121	0.0004	0.0129	0.1928	0.0064	0.1523
Bicarbonate	61.01	1	143	2.34	75.46	337	5.52	71.21	99	1.61	77.55	138	2.26	72.14	196	3.21	76.15
Chloride	35.45	1	11.90	0.3357	10.83	66.20	1.8675	24.11	3.87	0.1092	5.24	21.30	0.6009	19.19	27.10	0.7645	18.12
Nitrate-N	14.01	1	1.0900	0.0778	2.5113	0.6500	0.0464	0.5990	0.1100	0.0079	0.3771	0.7390	0.0528	1.6846	0.0050	0.0004	0.0085
Sulfate	96.06	2	16.60	0.3456	11.15	15.10	0.3144	4.06	16.80	0.35	16.80	10.50	0.2186	6.98	11.30	0.2353	5.58
	Total Anions (meq/L)			**3.10**			**7.75**			**2.08**			**3.13**			**4.22**	
	Total Ions (meq/L)			**6.47**			**15.73**			**4.30**			**6.52**			**8.92**	
	Cation/Anion Ratio			**1.09**			**1.03**			**1.06**			**1.08**			**1.11**	
	Percent Difference			**4.24**			**1.50**			**3.07**			**3.89**			**5.3593**	

Table D-6

Regional Aquifer - Upgradient Wells (cont.)

April 1, 2025 - June 30, 2025

			Well	**MW-114**			**MW-115**		
			Sample Date	4/3/2025			4/9/2025		
Cation Parameters	Molecular Weight (g/mol)	n		mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--			6.91			6.62		
Conductance	--			355			295		
TDS	--			231			182.00		
Calcium	40.08	2		38.10	1.90	47.07	33.00	1.6467	49.51
Magnesium	24.31	2		20.80	1.71	42.38	15.20	1.2508	37.60
Potassium	39.10	1		2.61	0.0668	1.65	1.9700	0.0504	1.52
Sodium	22.99	1		8.26	0.3593	8.90	8.69	0.3780	11.36
Iron	55.85	2		0.01	0.0002	0.00	0.0050	0.0002	0.0054
Manganese	54.94	2		0.0003	0.0000	0.0003	0.0006	0.0000	0.0006
Ammonia-N	14.01	1		0.0010	0.0001	0.0018	0.0010	0.0001	0.0021
	Total Cations (meq/L)				**4.04**			**3.33**	
Anion Parameters	Molecular Weight (g/mol)	n							
Alkalinity, Total	--			0.0000			0.0000		
Carbonate	60.00	2		0.0679	0.0023	0.0605	0.0301	0.0010	0.0317
Bicarbonate	61.01	1		169	2.78	74.28	146.34	2.40	75.81
Chloride	35.45	1		24.70	0.6968	18.64	17.0000	0.4796	15.16
Nitrate-N	14.01	1		1.1100	0.0792	2.1196	1.3800	0.0985	3.11
Sulfate	96.06	2		9	0.18	4.90	8.95	0.1863	5.89
	Total Anions (meq/L)				**3.74**			**3.16**	
	Total Ions (meq/L)				**7.78**			**6.49**	
	Cation/Anion Ratio				**1.08**			**1.05**	
	Percent Difference				**3.86**			**2.50**	

Table D-6

Regional Aquifer - Downgradient Wells: Ion Balance…

April 1, 2025 - June 30, 2025

			Well	**MW-67**			**MW-68**			**MW-72**			**MW-74R**			**MW-75**		
			Sample Date	4/14/2025			4/16/2025			4/24/2025			4/7/2025			4/7/2025		
Cation Parameters	Molecular Weight (g/mol)	n		mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--			6.91			7.16			7.05			6.79			7.01		
Conductance	--			349			238			314			645			393		
TDS	--			210			148			190.00			351			257		
Calcium	40.08	2		34.70	1.73	43.61	24	1.22	43.05	31.00	1.5469	41.79	50.80	2.5349	39.98	35.10	1.75	38.71
Magnesium	24.31	2		21.10	1.74	43.73	14.10	1.16	41.03	19.60	1.6129	43.57	38.40	3.1599	49.83	26.10	2.1478	47.47
Potassium	39.10	1		1.58	0.0404	1.02	1.43	0.0366	1.29	1.9800	0.0506	1.37	2.15	0.0550	0.87	1.91	0.0489	1.08
Sodium	22.99	1		9.90	0.4307	10.85	8.97	0.3902	13.80	8.76	0.3811	10.29	13.30	0.5786	9.12	10.20	0.4437	9.81
Iron	55.85	2		0.6170	0.0221	0.5564	0.34	0.0121	0.4293	2.7000	0.0967	2.6118	0.1950	0.0070	0.1101	3.3900	0.1214	2.6830
Manganese	54.94	2		0.2460	0.0090	0.2255	0.27	0.0098	0.3462	0.3390	0.0123	0.3333	0.1460	0.0053	0.0838	0.2930	0.0107	0.2357
Ammonia-N	14.01	1		0.0108	0.0008	0.0194	0.0192	0.0014	0.0485	0.0198	0.0014	0.0382	0.0026	0.0002	0.0029	0.0098	0.0007	0.0155
	Total Cations (meq/L)				**3.97**			**2.83**			**3.70**			**6.34**			**4.52**	
Anion Parameters	Molecular Weight (g/mol)	n																
Alkalinity, Total	--			0.0000			0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2		0.0762	0.0025	0.0667	0.0998	0.0033	0.1243	0.0903	0.0030	0.0879	0.0864	0.0029	0.0437	0.0750	0.0025	0.0598
Bicarbonate	61.01	1		190	3.12	81.89	140	2.30	85.81	163.30	2.6764	78.16	284.08	4.66	70.63	149	2.44	58.25
Chloride	35.45	1		5.01	0.1413	3.71	3.66	0.1032	3.86	9.93	0.2801	8.18	39.30	1.1087	16.82	15.90	0.4485	10.72
Nitrate-N	14.01	1		0.17	0.0124	0.32	0.0050	0.0004	0.0133	0.0050	0.0004	0.01	0.55	0.0396	0.60	0.0050	0.0004	0.0085
Sulfate	96.06	2		25.60	0.5330	14.00	13.10	0.2727	10.19	22.30	0.4643	13.56	37.70	0.7849	11.91	62.20	1.2950	30.96
	Total Anions (meq/L)				**3.81**			**2.68**			**3.42**			**6.59**			**4.18**	
	Total Ions (meq/L)				**7.78**			**5.50**			**7.13**			**12.93**			**8.71**	
	Cation/Anion Ratio				**1.04**			**1.06**			**1.08**			**0.9619**			**1.08**	
	Percent Difference				**2.12**			**2.76**			**3.90**			**-1.94**			**3.92**	

Table D-6

Regional Aquifer - Downgradient Wells: Ion Balance Summary for Groundwater

April 1, 2025 - June 30, 2025

		Well	**MW-80**			**MW-85**			**MW-86**			**MW-87**			**MW-88**		
		Sample Date	4/16/2025			4/7/2025			4/10/2025			4/24/2025			4/10/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		7.15			6.74			6.84			6.79			7.09		
Conductance	--		316.40			369			191			514			129		
TDS	--		201.00			225			115			366			89		
Calcium	40.08	2	34.30	1.7116	45.43	36.90	1.84	42.80	16.30	0.81	37.06	49.90	2.49	40.72	10.40	0.52	35.65
Magnesium	24.31	2	18.50	1.5224	40.40	23.80	1.9585	45.52	11.90	0.98	44.61	34.40	2.83	46.29	7.65	0.63	43.24
Potassium	39.10	1	1.61	0.0412	1.09	1.61	0.0412	0.96	1.19	0.0304	1.3868	2.60	0.0665	1.0876	0.81	0.0208	1.43
Sodium	22.99	1	8.99	0.3911	10.38	10.60	0.46	10.72	8	0.34	15.34	11.90	0.52	8.47	6.58	0.2862	19.66
Iron	55.85	2	2.43	0.0870	2.31	0.0050	0.0002	0.0042	0.97	0.0347	1.58	5.2800	0.1891	3.0919	0.0050	0.0002	0.0123
Manganese	54.94	2	0.3810	0.0139	0.37	0.0009	0.0000	0.0007	0.01	0.0004	0.0187	0.54	0.0197	0.32	0.00	0.0000	0.0001
Ammonia-N	14.01	1	0.0106	0.0008	0.02	0.0010	0.0001	0.0017	0.00	0.0001	0.0033	0.0201	0.0014	0.0235	0.0010	0.0001	0.0049
	Total Cations (meq/L)			**3.77**			**4.30**			**2.19**			**6.12**			**1.46**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		0.0000			0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.1103	0.0037	0.1050	0.0529	0.0018	0.0426	0.03	0.0010	0.0502	0.0493	0.0016	0.0288	0.0407	0.0014	0.0979
Bicarbonate	61.01	1	158.38	2.5958	74.13	195	3.20	77.38	89	1.47	72.32	162	2.66	46.55	67	1.10	79.39
Chloride	35.45	1	5.1800	0.1461	4.17	8.33	0.2350	5.6866	3.84	0.1083	5.3411	20.30	0.5727	10.0291	2.14	0.0604	4.36
Nitrate-N	14.01	1	0.0050	0.0004	0.0102	0.0955	0.0068	0.16	0.0050	0.0004	0.0176	0.0050	0.0004	0.0063	0.9990	0.0713	5.1454
Sulfate	96.06	2	36.30	0.7558	21.58	33.20	0.6912	16.73	21.70	0.4518	22.2760	119.00	2.4776	43.3899	7.33	0.1526	11.0103
	Total Anions (meq/L)			**3.50**			**4.13**			**2.03**			**5.71**			**1.39**	
	Total Ions (meq/L)			**7.27**			**8.43**			**4.22**			**11.83**			**2.84**	
	Cation/Anion Ratio			**1.08**			**1.04**			**1.0822**			**1.07**			**1.05**	
	Percent Difference			**3.66**			**2.0157**			**3.95**			**3.4258**			**2.45**	

Table D-6

Regional Aquifer - Downgradient Wells: Ion Balance Summary for Groundwater

April 1, 2025 - June 30, 2025

		Well	**MW-89**			**MW-93**			**MW-95**			**MW-100**		
		Sample Date	4/10/2025			4/29/2025			4/9/2025			4/29/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		7.27			7.11			7.41			6.74		
Conductance	--		258			300			245			279		
TDS	--		155			201			145			169		
Calcium	40.08	2	21.30	1.06	36.43	32.50	1.62	45.78	25.50	1.27	45.49	27.00	1.35	42.23
Magnesium	24.31	2	16.00	1.32	45.13	17.40	1.43	40.42	14.20	1.17	41.78	16.90	1.39	43.59
Potassium	39.10	1	1.61	0.0412	1.41	1.43	0.0366	1.03	1.21	0.0310	1.1066	1.64	0.0420	1.31
Sodium	22.99	1	9.81	0.43	14.63	9.97	0.4337	12.24	7	0.32	11.31	8.84	0.3845	12.05
Iron	55.85	2	1.5500	0.0555	1.9026	0.0050	0.0002	0.0051	0.01	0.0002	0.01	0.6060	0.0217	0.6801
Manganese	54.94	2	0.3510	0.0128	0.4379	0.36	0.0130	0.3679	0.19	0.0067	0.2408	0.11	0.0039	0.1232
Ammonia-N	14.01	1	0.0232	0.0017	0.0568	0.0745	0.0053	0.1501	0.03	0.0018	0.0653	0.0083	0.0006	0.0186
	Total Cations (meq/L)			**2.92**			**3.54**			**2.80**			**3.19**	
Anion Parameters	Molecular Weight (g/mol)	n												
Alkalinity, Total	--		0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.1038	0.0035	0.1265	0.0975	0.0032	0.0941	0.15	0.0051	0.1942	0.0433	0.0014	0.0463
Bicarbonate	61.01	1	113	1.85	67.77	154	2.52	72.89	121	1.99	75.37	160	2.62	83.97
Chloride	35.45	1	10.90	0.3075	11.24	2.71	0.0764	2.21	11.70	0.3301	12.5098	3.26	0.0920	2.95
Nitrate-N	14.01	1	0.0050	0.0004	0.0130	0.0050	0.0004	0.0103	0.0050	0.0004	0.0135	0.0050	0.0004	0.0114
Sulfate	96.06	2	27.40	0.57	20.85	41.10	0.8557	24.7887	15.10	0.3144	11.9157	19.50	0.4060	13.0218
	Total Anions (meq/L)			**2.74**			**3.45**			**2.64**			**3.12**	
	Total Ions (meq/L)			**5.65**			**6.99**			**5.44**			**6.31**	
	Cation/Anion Ratio			**1.0663**			**1.03**			**1.0601**			**1.02**	
	Percent Difference			**3.2095**			**1.29**			**2.92**			**1.16**	

Figure D-6a: Trilinear Diagram

Cedar Hills Regional Landfill 2nd Quarter 2025

Regional Aquifer Wells – Upgradient

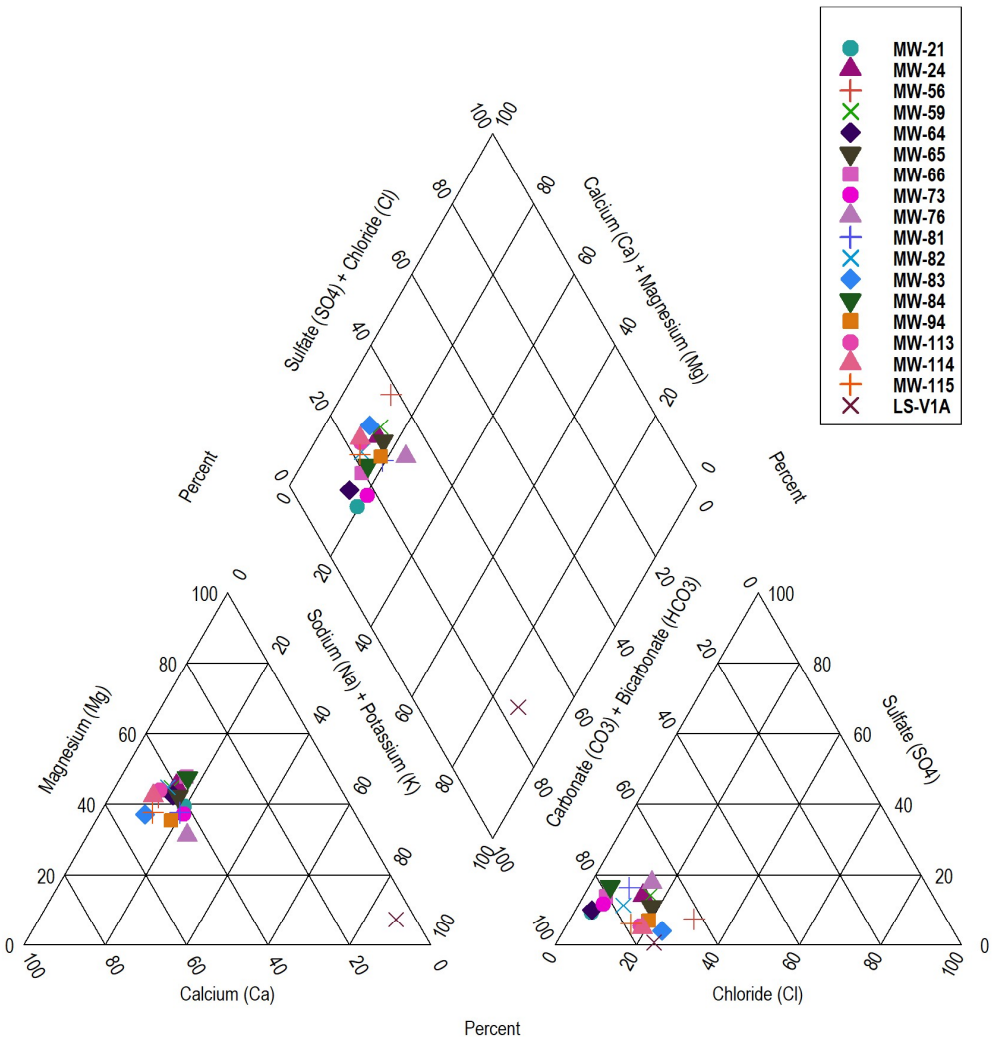


Figure D-6b: Trilinear Diagram

Cedar Hills Regional Landfill 2nd Quarter 2025

Regional Aquifer Wells – Downgradient

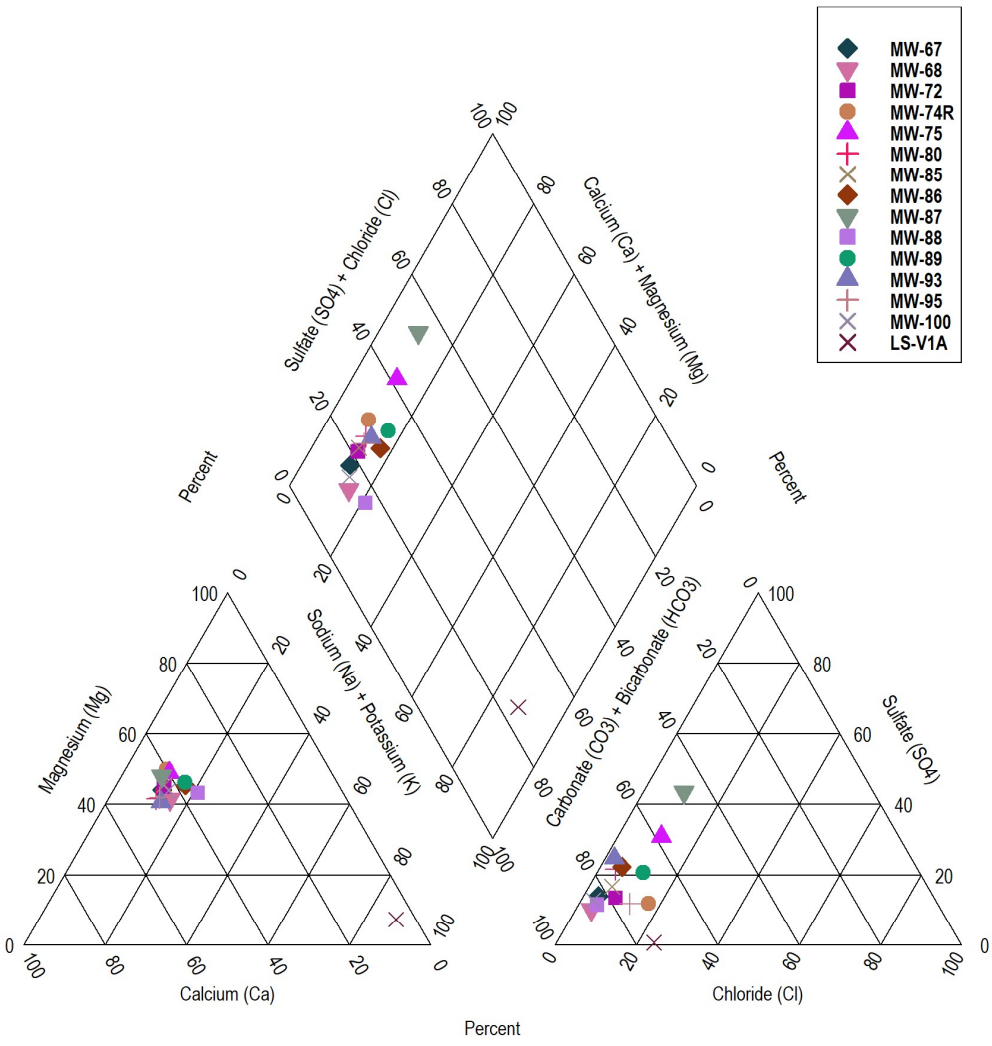


Table D-7

Regional Aquifer - Upgradient Wells: Ion Balance Summary for Groundwater

July 1, 2025 - September 30, 2025

		Well	MW-59			MW-66			MW-81			MW-83			MW-84		
		Sample Date	7/15/2025			7/14/2025			7/14/2025			7/15/2025			7/14/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.88			6.91			6.96			6.48			6.74		
Conductance	--		241			201			159			671			190		
TDS	--		143			128			109			415			123		
Calcium	40.08	2	21.30	1.06	40.27	17.30	0.8633	36.91	15.20	0.7585	44.07	83.50	4.17	52.68	16.30	0.8134	38.94
Magnesium	24.31	2	12.70	1.05	39.59	13.50	1.11	47.49	7.69	0.6328	36.77	34.70	2.86	36.10	11.30	0.93	44.52
Potassium	39.10	1	1.25	0.0320	1.21	1.13	0.0289	1.24	0.8850	0.0226	1.32	4.24	0.1085	1.37	1.16	0.0297	1.42
Sodium	22.99	1	7.33	0.3189	12.08	7.72	0.3358	14.36	7.04	0.3062	17.80	17.90	0.7787	9.84	7.25	0.3154	15.10
Iron	55.85	2	4.91	0.1758	6.66	0.0050	0.0002	0.0077	0.0050	0.0002	0.0104	0.0050	0.0002	0.0023	0.0050	0.0002	0.0086
Manganese	54.94	2	0.1260	0.0046	0.1737	0.0001	0.0000	0.0001	0.0005	0.0000	0.0010	0.0109	0.0004	0.0050	0.0007	0.0000	0.0012
Ammonia-N	14.01	1	0.0065	0.0005	0.0176	0.0010	0.0001	0.0031	0.0075	0.0005	0.0311	0.0037	0.0003	0.0033	0.0025	0.0002	0.0085
	Total Cations (meq/L)			**2.64**			**2.34**			**1.72**			**7.91**			**2.09**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		86.60			85.40			58.30			270			78.60		
Carbonate	60.00	2	0.0395	0.0013	0.0531	0.0417	0.0014	0.0645	0.0319	0.0011	0.0632	0.0490	0.0016	0.0223	0.0260	0.0009	0.0432
Bicarbonate	61.01	1	106	1.73	69.87	104	1.71	79.18	71.06	1.16	69.16	329	5.40	73.72	96	1.57	78.48
Chloride	35.45	1	13.70	0.3865	15.61	4.13	0.1165	5.41	5.60	0.1580	9.38	57.60	1.62	22.20	3.38	0.0953	4.76
Nitrate-N	14.01	1	0.0050	0.0004	0.0144	0.5200	0.0371	1.72	1.52	0.1085	6.44	0.49	0.0348	0.47	0.1060	0.0076	0.3781
Sulfate	96.06	2	17.20	0.3581	14.46	14.10	0.2936	13.62	12.10	0.2519	14.96	12.60	0.2623	3.58	15.70	0.3269	16.33
	Total Anions (meq/L)			**2.48**			**2.15**			**1.68**			**7.32**			**2.00**	
	Total Ions (meq/L)			**5.12**			**4.49**			**3.41**			**15.23**			**4.09**	
	Cation/Anion Ratio			**1.07**			**1.09**			**1.0218**			**1.08**			**1.04**	
	Percent Difference			**3.19**			**4.10**			**1.0788**			**3.8685**			**2.13**	

Table D-7

Regional Aquifer - Upgradient Wells: Ion Balance Summary for Groundwater

July 1, 2025 - September 30, 2025

		Well	MW-94			MW-113			MW-114			MW-115		
		Sample Date	7/15/2025			7/14/2025			7/14/2025			7/14/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.40			7.27			6.78			6.57		
Conductance	--		307			412			360			296		
TDS	--		195			247			224			189		
Calcium	40.08	2	32.40	1.62	46.94	44.20	2.21	46.29	40.20	2.01	49.24	33.70	1.68	50.50
Magnesium	24.31	2	14.80	1.22	35.36	24.10	1.98	41.63	20.00	1.65	40.40	14.90	1.23	36.82
Potassium	39.10	1	2.91	0.0744	2.16	2.15	0.0550	1.15	2.56	0.0655	1.61	2.18	0.0558	1.67
Sodium	22.99	1	12.30	0.5351	15.53	10.40	0.4524	9.50	8.19	0.3563	8.75	8.41	0.3658	10.99
Iron	55.85	2	0.0050	0.0002	0.0052	1.41	0.0505	1.06	0.0050	0.0002	0.0044	0.0050	0.0002	0.0054
Manganese	54.94	2	0.0001	0.0000	0.0001	0.4530	0.0165	0.3461	0.0003	0.0000	0.0002	0.0005	0.0000	0.0006
Ammonia-N	14.01	1	0.0010	0.0001	0.0021	0.0164	0.0012	0.0246	0.0010	0.0001	0.0018	0.0044	0.0003	0.0094
	Total Cations (meq/L)			**3.44**			**4.76**			**4.07**			**3.33**	
Anion Parameters	Molecular Weight (g/mol)	n												
Alkalinity, Total	--		122			172			145			118		
Carbonate	60.00	2	0.0184	0.0006	0.0190	0.1923	0.0064	0.1435	0.0525	0.0018	0.0462	0.0264	0.0009	0.0281
Bicarbonate	61.01	1	149	2.44	75.47	209	3.43	76.86	177	2.90	76.42	144	2.36	75.55
Chloride	35.45	1	15.70	0.4429	13.71	28.20	0.7955	17.81	22.90	0.6460	17.04	16.40	0.4626	14.82
Nitrate-N	14.01	1	1.3600	0.0971	3.00	0.0050	0.0004	0.0080	0.97	0.0694	1.83	1.35	0.0964	3.09
Sulfate	96.06	2	12.10	0.2519	7.80	11.10	0.2311	5.17	8.51	0.1772	4.67	9.77	0.2034	6.52
	Total Anions (meq/L)			**3.23**			**4.47**			**3.79**			**3.12**	
	Total Ions (meq/L)			**6.68**			**9.23**			**7.87**			**6.45**	
	Cation/Anion Ratio			**1.07**			**1.07**			**1.07**			**1.07**	
	Percent Difference			**3.1906**			**3.23**			**3.58**			**3.22**	

Table D-7

Regional Aquifer - Downgradient Wells: Ion Balance Summary for Groundwater

July 1, 2025 - September 30, 2025

		Well	**MW-68**			**MW-72**			**MW-74R**			**MW-75**			**MW-80**		
		Sample Date	7/28/2025			7/17/2025			7/10/2025			7/11/2025			7/28/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.95			6.98			6.64			6.85			7.01		
Conductance	--		239			320			671			406			334		
TDS	--		156			199			353			271			210		
Calcium	40.08	2	25.10	1.25	44.96	31.10	1.55	42.12	50.90	2.54	40.22	35.50	1.77	38.42	35.40	1.77	47.28
Magnesium	24.31	2	13.00	1.07	38.40	19.30	1.59	43.11	38.10	3.14	49.65	26.70	2.20	47.66	17.30	1.42	38.10
Potassium	39.10	1	1.53	0.0391	1.40	1.92	0.0491	1.33	2.29	0.0586	0.93	2.04	0.0522	1.13	1.74	0.0445	1.19
Sodium	22.99	1	9.11	0.3963	14.22	8.82	0.3837	10.41	13.00	0.5655	8.95	10.40	0.4524	9.81	9.23	0.4015	10.75
Iron	55.85	2	0.4810	0.0172	0.6182	2.75	0.0985	2.67	0.2940	0.0105	0.1667	3.51	0.1257	2.73	2.38	0.0852	2.28
Manganese	54.94	2	0.2750	0.0100	0.3593	0.3250	0.0118	0.3211	0.1430	0.0052	0.0824	0.2930	0.0107	0.2313	0.3900	0.0142	0.3800
Ammonia-N	14.01	1	0.0165	0.0012	0.0423	0.0171	0.0012	0.0331	0.0033	0.0002	0.0037	0.0094	0.0007	0.0146	0.0102	0.0007	0.0195
	Total Cations (meq/L)			**2.79**			**3.68**			**6.32**			**4.61**			**3.74**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		116			0.0000			234			0.0000			0.0000		
Carbonate	60.00	2	0.0621	0.0021	0.0768	0.0792	0.0026	0.0754	0.0614	0.0020	0.0321	0.0545	0.0018	0.0420	0.0824	0.0027	0.0761
Bicarbonate	61.01	1	141	2.32	85.95	168	2.76	78.77	285	4.68	73.26	156	2.56	59.15	163	2.68	74.16
Chloride	35.45	1	3.81	0.1075	3.99	10.00	0.2821	8.06	35.00	0.9874	15.47	16.70	0.4711	10.90	5.26	0.1484	4.11
Nitrate-N	14.01	1	0.0100	0.0007	0.0265	0.0050	0.0004	0.0102	0.5460	0.0390	0.6106	0.0050	0.0004	0.0083	0.0110	0.0008	0.0218
Sulfate	96.06	2	12.90	0.2686	9.96	22.00	0.4580	13.09	32.60	0.6787	10.63	62.10	1.29	29.90	37.50	0.7808	21.63
	Total Anions (meq/L)			**2.70**			**3.50**			**6.38**			**4.32**			**3.61**	
	Total Ions (meq/L)			**5.48**			**7.18**			**12.70**			**8.93**			**7.35**	
	Cation/Anion Ratio			**1.03**			**1.05**			**0.99**			**1.07**			**1.04**	
	Percent Difference			**1.64**			**2.57**			**-0.54**			**3.21**			**1.73**	

Table D-7

Regional Aquifer - Downgradient Wells: Ion Balance Summary for Groundwater

July 1, 2025 - September 30, 2025

		Well	**MW-85**			**MW-87**			**MW-93**		
		Sample Date	7/14/2025			7/10/2025			7/15/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.80			6.62			7.08		
Conductance	--		354			528			306		
TDS	--		225			369			200.00		
Calcium	40.08	2	38.30	1.91	43.34	48.50	2.42	40.40	32.20	1.6068	45.88
Magnesium	24.31	2	24.10	1.98	44.97	34.00	2.80	46.70	17.20	1.4154	40.41
Potassium	39.10	1	1.77	0.0453	1.03	2.45	0.0627	1.05	1.5100	0.0386	1.10
Sodium	22.99	1	10.80	0.4698	10.65	11.70	0.5090	8.50	9.81	0.4267	12.18
Iron	55.85	2	0.0050	0.0002	0.0041	5.06	0.1812	3.02	0.0050	0.0002	0.0051
Manganese	54.94	2	0.0001	0.0000	0.0000	0.5120	0.0186	0.3111	0.2900	0.0106	0.3014
Ammonia-N	14.01	1	0.0010	0.0001	0.0016	0.0160	0.0011	0.0191	0.0590	0.0042	0.1203
	Total Cations (meq/L)			**4.41**			**5.99**			**3.50**	
Anion Parameters	Molecular Weight (g/mol)	n									
Alkalinity, Total	--		0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0607	0.0020	0.0487	0.0331	0.0011	0.0198	0.0888	0.0030	0.0891
Bicarbonate	61.01	1	195	3.20	77.06	161	2.64	47.49	149.88	2.46	73.91
Chloride	35.45	1	8.99	0.2536	6.11	19.20	0.5416	9.75	2.6500	0.0748	2.25
Nitrate-N	14.01	1	0.0967	0.0069	0.1664	0.0180	0.0013	0.0231	0.0050	0.0004	0.01
Sulfate	96.06	2	33.10	0.6891	16.61	114	2.37	42.72	37.90	0.7891	23.74
	Total Anions (meq/L)			**4.15**			**5.56**			**3.32**	
	Total Ions (meq/L)			**8.56**			**11.55**			**6.83**	
	Cation/Anion Ratio			**1.06**			**1.08**			**1.05**	
	Percent Difference			**3.0461**			**3.77**			**2.62**	

Figure D-7a: Trilinear Diagram

Cedar Hills Regional Landfill 3rd Quarter 2025

Regional Aquifer Wells – Upgradient

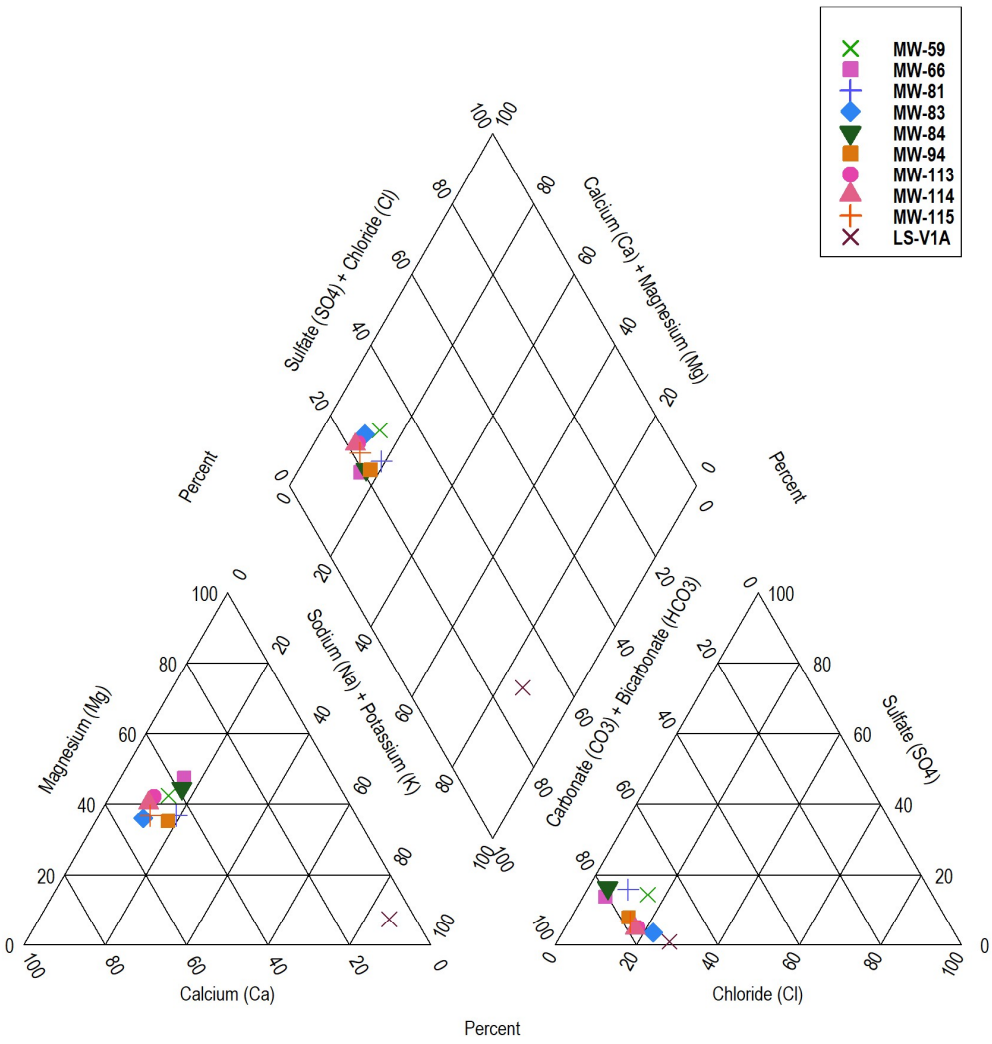


Figure D-7b: Trilinear Diagram

Cedar Hills Regional Landfill 3rd Quarter 2025

Regional Aquifer Wells – Downgradient

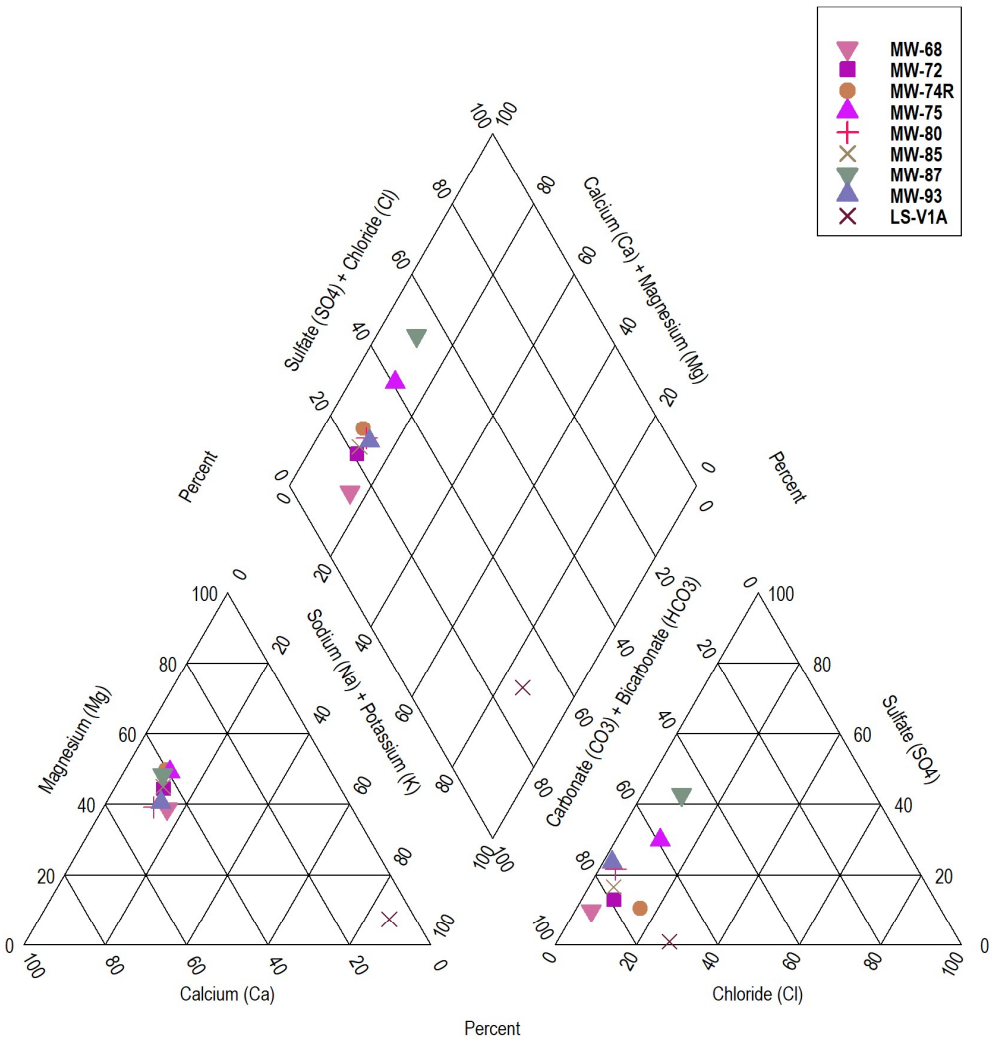


Table D-8

Regional Aquifer - Upgradient Wells: Ion Balance Summary for Groundwater

October 1, 2025 - December 31, 2025

			Well	**MW-21**			**MW-24**			**MW-56**			**MW-59**			**MW-64**		
			Sample Date	10/2/2025			10/15/2025			10/15/2025			10/15/2025			10/15/2025		
Cation Parameters	Molecular Weight (g/mol)	n		mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--			7.64			6.73			6.69			6.67			7.01		
Conductance	--			151			226			303			242			169		
TDS	--			92			132			175			141			104		
Calcium	40.08	2		12.80	0.64	38.80	18.50	0.9232	38.32	29.60	1.4770	46.71	20.40	1.02	39.12	15.20	0.7585	40.65
Magnesium	24.31	2		7.22	0.59	36.09	12.40	1.02	42.35	15.80	1.3002	41.12	13.00	1.07	41.11	9.42	0.78	41.54
Potassium	39.10	1		1.16	0.0297	1.80	1.21	0.0310	1.28	1.5700	0.0402	1.27	1.31	0.0335	1.29	1.29	0.0330	1.77
Sodium	22.99	1		6.34	0.2758	16.75	6.74	0.2932	12.17	7.69	0.3345	10.58	7.02	0.3054	11.74	6.52	0.2836	15.20
Iron	55.85	2		2.74	0.0981	5.96	3.7200	0.1332	5.5293	0.0553	0.0020	0.0626	4.7700	0.1708	6.5644	0.1380	0.0049	0.2648
Manganese	54.94	2		0.1220	0.0044	0.2697	0.1210	0.0044	0.1828	0.2110	0.0077	0.2429	0.1120	0.0041	0.1567	0.1420	0.0052	0.2770
Ammonia-N	14.01	1		0.0756	0.0054	0.3278	0.0547	0.0039	0.1621	0.0058	0.0004	0.0131	0.0087	0.0006	0.0239	0.0802	0.0057	0.3068
	Total Cations (meq/L)				**1.65**			**2.41**			**3.16**			**2.60**			**1.87**	
Anion Parameters	Molecular Weight (g/mol)	n																
Alkalinity, Total	--			66.30			80.80			92.90			85			76.10		
Carbonate	60.00	2		0.1733	0.0058	0.3813	0.0261	0.0009	0.0386	0.0274	0.0009	0.0297	0.0239	0.0008	0.0329	0.0468	0.0016	0.0860
Bicarbonate	61.01	1		81	1.32	87.14	99	1.61	71.72	113.28	1.86	60.48	104	1.70	70.22	93	1.52	83.79
Chloride	35.45	1		2.52	0.0711	4.69	12.20	0.3442	15.28	32.30	0.9112	29.68	13.40	0.38	15.61	3.39	0.0956	5.27
Nitrate-N	14.01	1		0.0050	0.0004	0.0236	0.0050	0.0004	0.02	1.42	0.1014	3.30	0.02	0.0011	0.04	0.0050	0.0004	0.0197
Sulfate	96.06	2		5.65	0.1176	7.77	14.00	0.2915	12.95	9.60	0.1999	6.51	16.40	0.3414	14.10	9.44	0.1965	10.83
	Total Anions (meq/L)				**1.51**			**2.25**			**3.07**			**2.42**			**1.81**	
	Total Ions (meq/L)				**3.16**			**4.66**			**6.23**			**5.02**			**3.68**	
	Cation/Anion Ratio				**1.09**			**1.07**			**1.03**			**1.07**			**1.03**	
	Percent Difference				**4.16**			**3.38**			**1.48**			**3.58**			**1.41**	

Table D-8

Regional Aquifer - Upgradient Wells: Ion Balance Summary for Groundwater

October 1, 2025 - December 31, 2025

			Well	**MW-65**			**MW-66**			**MW-73**			**MW-76**			**MW-81**		
			Sample Date	10/15/2025			10/16/2025			10/2/2025			10/8/2025			10/6/2025		
Cation Parameters	Molecular Weight (g/mol)	n		mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--			6.89			6.75			6.75			6.36			7.04		
Conductance	--			189			209			131			238			166		
TDS	--			108			130			88			157			113		
Calcium	40.08	2		15.20	0.76	37.83	16.70	0.83	35.94	11.50	0.57	42.34	23.60	1.18	44.24	14.60	0.73	42.46
Magnesium	24.31	2		9.51	0.78	39.03	13.60	1.12	48.26	6.16	0.51	37.40	10.40	0.86	32.15	8.05	0.66	38.60
Potassium	39.10	1		1.05	0.0269	1.34	1.17	0.0299	1.29	0.80	0.0206	1.52	1.61	0.0412	1.55	0.88	0.0224	1.31
Sodium	22.99	1		6.28	0.2732	13.62	7.73	0.3363	14.50	5.83	0.2536	18.71	13.50	0.5873	22.06	6.95	0.3023	17.62
Iron	55.85	2		4.3000	0.1540	7.6791	0.01	0.0002	0.01	0.0050	0.0002	0.0132	0.0050	0.0002	0.0067	0.0050	0.0002	0.0104
Manganese	54.94	2		0.2660	0.0097	0.4829	0.0001	0.0000	0.0001	0.0002	0.0000	0.0006	0.0001	0.0000	0.0001	0.0001	0.0000	0.0001
Ammonia-N	14.01	1		0.0064	0.0005	0.0228	0.0010	0.0001	0.0031	0.0039	0.0003	0.0205	0.0010	0.0001	0.0027	0.0010	0.0001	0.0042
	Total Cations (meq/L)				**2.01**			**2.32**			**1.36**			**2.66**			**1.72**	
Anion Parameters	Molecular Weight (g/mol)	n																
Alkalinity, Total	--			64			88			51			84			59		
Carbonate	60.00	2		0.0300	0.0010	0.0546	0.0297	0.0010	0.0446	0.0173	0.0006	0.0432	0.0115	0.0004	0.0151	0.0386	0.0013	0.0764
Bicarbonate	61.01	1		78	1.28	70.15	107	1.75	79.09	62	1.02	76.67	102	1.67	65.68	71	1.17	69.47
Chloride	35.45	1		12.50	0.3526	19.26	4.25	0.1199	5.40	2.99	0.0843	6.32	12.70	0.3583	14.06	5.58	0.1574	9.34
Nitrate-N	14.01	1		0.0050	0.0004	0.02	0.5180	0.0370	1.6668	1.15	0.0821	6.15	1.01	0.0721	2.83	1.5400	0.1099	6.5255
Sulfate	96.06	2		9.25	0.1926	10.52	14.70	0.3061	13.80	6.93	0.1443	10.81	21.30	0.4435	17.41	11.80	0.2457	14.58
	Total Anions (meq/L)				**1.83**			**2.22**			**1.33**			**2.55**			**1.68**	
	Total Ions (meq/L)				**3.84**			**4.54**			**2.69**			**5.21**			**3.40**	
	Cation/Anion Ratio				**1.09**			**1.05**			**1.02**			**1.05**			**1.02**	
	Percent Difference				**4.53**			**2.21**			**0.78**			**2.20**			**0.92**	

Table D-8

Regional Aquifer - Upgradient Wells: Ion Balance Summary for Groundwater

October 1, 2025 - December 31, 2025

			Well	**MW-82**			**MW-83**			**MW-84**			**MW-94**			**MW-113**		
			Sample Date	10/8/2025			10/9/2025			10/16/2025			10/9/2025			10/8/2025		
Cation Parameters	Molecular Weight (g/mol)	n		mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--			6.44			6.44			6.58			6.49			7.25		
Conductance	--			311			655			202			293			424		
TDS	--			191			419			119			211			243		
Calcium	40.08	2		31.00	1.55	44.08	78.70	3.93	52.36	16.30	0.81	36.55	30.90	1.54	47.03	44.60	2.23	46.50
Magnesium	24.31	2		18.60	1.53	43.62	33.20	2.73	36.43	12.80	1.05	47.34	14.10	1.16	35.39	24.20	1.99	41.61
Potassium	39.10	1		2.01	0.0514	1.47	4.27	0.1092	1.46	1.25	0.0320	1.44	2.95	0.0755	2.30	2.27	0.0581	1.21
Sodium	22.99	1		8.73	0.3798	10.82	16.80	0.7308	9.74	7.50	0.3263	14.66	11.50	0.5003	15.26	10.10	0.4394	9.18
Iron	55.85	2		0.01	0.0002	0.01	0.0050	0.0002	0.0024	0.01	0.0002	0.01	0.01	0.0002	0.01	1.4700	0.0526	1.0998
Manganese	54.94	2		0.0001	0.0000	0.0001	0.0022	0.0001	0.0011	0.0005	0.0000	0.0008	0.0001	0.0000	0.0001	0.4800	0.0175	0.3650
Ammonia-N	14.01	1		0.0022	0.0002	0.0045	0.0023	0.0002	0.0022	0.0010	0.0001	0.0032	0.0020	0.0001	0.0044	0.0243	0.0017	0.0362
	Total Cations (meq/L)				**3.51**			**7.50**			**2.23**			**3.28**			**4.79**	
Anion Parameters	Molecular Weight (g/mol)	n																
Alkalinity, Total	--			0.0000			269			0.0000			0.0000			0.0000		
Carbonate	60.00	2		0.0215	0.0007	0.0215	0.0445	0.0015	0.0200	0.0192	0.0006	0.0296	0.0221	0.0007	0.0230	0.1911	0.0064	0.1376
Bicarbonate	61.01	1		159	2.60	77.69	328	5.38	72.60	102	1.68	77.69	145	2.38	74.35	218	3.57	77.17
Chloride	35.45	1		10.60	0.2990	8.94	60.10	1.6954	22.89	4.28	0.1207	5.60	17.50	0.4937	15.43	28.90	0.8153	17.61
Nitrate-N	14.01	1		0.8600	0.0614	1.8354	0.8730	0.0623	0.8414	0.1680	0.0120	0.5563	1.3900	0.0992	3.1016	0.0050	0.0004	0.0077
Sulfate	96.06	2		18.50	0.3852	11.51	13.00	0.2707	3.65	16.70	0.35	16.13	10.90	0.2269	7.09	11.30	0.2353	5.08
	Total Anions (meq/L)				**3.35**			**7.41**			**2.16**			**3.20**			**4.63**	
	Total Ions (meq/L)				**6.85**			**14.91**			**4.38**			**6.48**			**9.42**	
	Cation/Anion Ratio				**1.05**			**1.01**			**1.03**			**1.02**			**1.03**	
	Percent Difference				**2.39**			**0.62**			**1.58**			**1.22**			**1.66**	

Table D-8

Regional Aquifer - Upgradient Wells …

October 1, 2025 - December 31, 2025

			Well	**MW-114**			**MW-115**		
			Sample Date	10/8/2025			10/8/2025		
Cation Parameters	Molecular Weight (g/mol)	n		mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--			6.63			6.28		
Conductance	--			364			284		
TDS	--			213			187.00		
Calcium	40.08	2		37.70	1.88	49.06	31.90	1.5918	50.39
Magnesium	24.31	2		18.80	1.55	40.35	14.10	1.1603	36.73
Potassium	39.10	1		2.59	0.0663	1.73	2.1900	0.0560	1.77
Sodium	22.99	1		7.75	0.3371	8.79	8.06	0.3506	11.10
Iron	55.85	2		0.01	0.0002	0.00	0.0050	0.0002	0.0057
Manganese	54.94	2		0.0002	0.0000	0.0002	0.0006	0.0000	0.0007
Ammonia-N	14.01	1		0.0329	0.0023	0.0613	0.0010	0.0001	0.0023
	Total Cations (meq/L)				**3.83**			**3.16**	
Anion Parameters	Molecular Weight (g/mol)	n							
Alkalinity, Total	--			0.0000			0.0000		
Carbonate	60.00	2		0.0380	0.0013	0.0340	0.0139	0.0005	0.0149
Bicarbonate	61.01	1		180	2.96	79.56	147.59	2.42	77.91
Chloride	35.45	1		18.30	0.5162	13.88	14.0000	0.3949	12.72
Nitrate-N	14.01	1		0.9150	0.0653	1.7569	1.2300	0.0878	2.83
Sulfate	96.06	2		9	0.18	4.77	9.73	0.2026	6.52
	Total Anions (meq/L)				**3.72**			**3.10**	
	Total Ions (meq/L)				**7.55**			**6.26**	
	Cation/Anion Ratio				**1.03**			**1.02**	
	Percent Difference				**1.54**			**0.87**	

Table D-8

Regional Aquifer - Downgradient Wells: Ion Balance…

October 1, 2025 - December 31, 2025

		Well	MW-67			MW-68			MW-72			MW-74R			MW-75		
		Sample Date	10/6/2025			10/21/2025			10/6/2025			10/16/2025			10/16/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.94			7.06			6.97			6.71			6.95		
Conductance	--		340			246			313			666			400		
TDS	--		204			147			191.00			399			254		
Calcium	40.08	2	33.60	1.68	43.53	24	1.19	43.08	31.50	1.5719	42.61	61.10	3.0489	40.87	35.50	1.77	39.18
Magnesium	24.31	2	20.50	1.69	43.80	13.70	1.13	40.89	19.10	1.5717	42.61	45.00	3.7031	49.64	25.90	2.1313	47.13
Potassium	39.10	1	1.76	0.0450	1.17	1.56	0.0399	1.45	2.0000	0.0512	1.39	2.79	0.0714	0.96	2.17	0.0555	1.23
Sodium	22.99	1	9.68	0.4211	10.93	8.67	0.3771	13.68	8.88	0.3863	10.47	13.70	0.5960	7.99	10.00	0.4350	9.62
Iron	55.85	2	0.4110	0.0147	0.3821	0.36	0.0130	0.4715	2.6200	0.0938	2.5434	0.8360	0.0299	0.4013	3.2500	0.1164	2.5738
Manganese	54.94	2	0.1690	0.0062	0.1597	0.27	0.0100	0.3617	0.3310	0.0120	0.3266	0.2520	0.0092	0.1230	0.3010	0.0110	0.2423
Ammonia-N	14.01	1	0.0135	0.0010	0.0250	0.0284	0.0020	0.0735	0.0263	0.0019	0.0509	0.0172	0.0012	0.0165	0.0166	0.0012	0.0262
	Total Cations (meq/L)			**3.85**			**2.76**			**3.69**			**7.46**			**4.52**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		0.0000			0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0764	0.0025	0.0698	0.0793	0.0026	0.0988	0.0763	0.0025	0.0734	0.0845	0.0028	0.0372	0.0680	0.0023	0.0526
Bicarbonate	61.01	1	178	2.92	79.99	140	2.30	85.80	165.76	2.7169	78.49	334.11	5.48	72.32	155	2.54	58.89
Chloride	35.45	1	4.94	0.1394	3.82	3.85	0.1086	4.06	10.20	0.2877	8.31	43.30	1.2215	16.13	16.50	0.4655	10.80
Nitrate-N	14.01	1	0.21	0.0151	0.42	0.0050	0.0004	0.0133	0.0050	0.0004	0.01	0.11	0.0080	0.11	0.0050	0.0004	0.0083
Sulfate	96.06	2	27.50	0.5726	15.70	12.90	0.2686	10.03	21.80	0.4539	13.11	41.50	0.8640	11.41	62.60	1.3033	30.25
	Total Anions (meq/L)			**3.65**			**2.68**			**3.46**			**7.57**			**4.31**	
	Total Ions (meq/L)			**7.50**			**5.43**			**7.15**			**15.03**			**8.83**	
	Cation/Anion Ratio			**1.06**			**1.03**			**1.07**			**0.9851**			**1.05**	
	Percent Difference			**2.74**			**1.47**			**3.18**			**-0.7502**			**2.41**	

Table D-8

Regional Aquifer - Downgradient Wells: Ion Balance Summary for Groundwater

October 1, 2025 - December 31, 2025

		Well	MW-80			MW-85			MW-86			MW-87			MW-88		
		Sample Date	10/22/2025			10/6/2025			10/6/2025			10/16/2025			10/2/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		6.95			6.70			6.48			6.76			6.73		
Conductance	--		333.90			374			197			523			136.50		
TDS	--		210.00			223			121			365			89.30		
Calcium	40.08	2	35.20	1.7565	46.22	37.00	1.85	43.39	15.60	0.78	37.31	48.40	2.42	40.91	10.10	0.5040	35.34
Magnesium	24.31	2	18.40	1.5141	39.84	23.20	1.9091	44.86	11.20	0.92	44.18	33.10	2.72	46.14	7.62	0.6270	43.97
Potassium	39.10	1	1.83	0.0468	1.23	1.85	0.0473	1.11	1.33	0.0340	1.6307	2.58	0.0660	1.1180	0.8940	0.0229	1.6035
Sodium	22.99	1	8.69	0.3780	9.95	10.40	0.45	10.63	7	0.32	15.18	11.50	0.50	8.47	6.25	0.2719	19.06
Iron	55.85	2	2.48	0.0888	2.34	0.0050	0.0002	0.0042	0.98	0.0350	1.68	4.9200	0.1762	2.9847	0.0050	0.0002	0.0126
Manganese	54.94	2	0.4010	0.0146	0.38	0.0001	0.0000	0.0000	0.01	0.0004	0.0174	0.54	0.0197	0.33	0.0001	0.0000	0.0001
Ammonia-N	14.01	1	0.0213	0.0015	0.04	0.0010	0.0001	0.0017	0.00	0.0001	0.0072	0.0272	0.0019	0.0329	0.0022	0.0002	0.0110
	Total Cations (meq/L)			**3.80**			**4.26**			**2.09**			**5.90**			**1.4261**	
Anion Parameters	Molecular Weight (g/mol)	n															
Alkalinity, Total	--		0.0000			0.0000			0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0712	0.0024	0.0659	0.0485	0.0016	0.0390	0.01	0.0004	0.0220	0.0467	0.0016	0.0277	0.0179	0.0006	0.0430
Bicarbonate	61.01	1	162.12	2.6571	73.74	196	3.22	77.59	90	1.48	72.52	165	2.70	48.08	67.67	1.1092	79.83
Chloride	35.45	1	5.1700	0.1458	4.05	8.19	0.2310	5.5712	3.85	0.1086	5.3176	19.80	0.5586	9.9538	2.0900	0.0590	4.24
Nitrate-N	14.01	1	0.0050	0.0004	0.0099	0.1060	0.0076	0.18	0.0050	0.0004	0.0175	0.0120	0.0009	0.0153	1.12	0.0800	5.75
Sulfate	96.06	2	38.30	0.7974	22.13	33.10	0.6891	16.62	21.70	0.4518	22.1202	113.00	2.3527	41.9256	6.76	0.1407	10.13
	Total Anions (meq/L)			**3.60**			**4.15**			**2.04**			**5.61**			**1.39**	
	Total Ions (meq/L)			**7.40**			**8.40**			**4.13**			**11.51**			**2.82**	
	Cation/Anion Ratio			**1.05**			**1.03**			**1.02**			**1.05**			**1.03**	
	Percent Difference			**2.67**			**1.29**			**1.06**			**2.53**			**1.30**	

Table D-8

Regional Aquifer - Downgradient Wells: Ion Balance Summary for Groundwater

October 1, 2025 - December 31, 2025

		Well	**MW-89**			**MW-93**			**MW-95**		
		Sample Date	10/2/2025			10/6/2025			10/8/2025		
Cation Parameters	Molecular Weight (g/mol)	n	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)	mg/L	meq/L	% (meq)
pH	--		7.12			7.02			7.36		
Conductance	--		278			299			253		
TDS	--		175			205			154		
Calcium	40.08	2	22.20	1.11	37.92	32.50	1.62	46.14	25.70	1.28	46.56
Magnesium	24.31	2	15.60	1.28	43.94	17.10	1.41	40.04	13.70	1.13	40.93
Potassium	39.10	1	1.88	0.0481	1.65	1.60	0.0409	1.16	1.37	0.0350	1.27
Sodium	22.99	1	9.42	0.41	14.03	9.85	0.4285	12.19	6.90	0.3002	10.90
Iron	55.85	2	1.5700	0.0562	1.9246	0.0050	0.0002	0.0051	0.0050	0.0002	0.0065
Manganese	54.94	2	0.3680	0.0134	0.4585	0.29	0.0104	0.2962	0.19	0.0068	0.2458
Ammonia-N	14.01	1	0.0314	0.0022	0.0767	0.0795	0.0057	0.1615	0.0342	0.0024	0.0886
	Total Cations (meq/L)			**2.92**			**3.51**			**2.75**	
Anion Parameters	Molecular Weight (g/mol)	n									
Alkalinity, Total	--		0.0000			0.0000			0.0000		
Carbonate	60.00	2	0.0747	0.0025	0.0902	0.0774	0.0026	0.0768	0.1251	0.0042	0.1694
Bicarbonate	61.01	1	115	1.89	68.26	150	2.46	73.14	111	1.82	73.77
Chloride	35.45	1	10.90	0.3075	11.13	2.73	0.0770	2.29	11.80	0.3329	13.53
Nitrate-N	14.01	1	0.0050	0.0004	0.0129	0.0050	0.0004	0.0106	0.0050	0.0004	0.0145
Sulfate	96.06	2	27.20	0.57	20.51	39.50	0.8224	24.4814	14.80	0.3081	12.5208
	Total Anions (meq/L)			**2.76**			**3.36**			**2.46**	
	Total Ions (meq/L)			**5.68**			**6.87**			**5.22**	
	Cation/Anion Ratio			**1.06**			**1.05**			**1.12**	
	Percent Difference			**2.81**			**2.26**			**5.63**	

Figure D-8a: Trilinear Diagram

Cedar Hills Regional Landfill 4th Quarter 2025

Regional Aquifer Wells – Upgradient

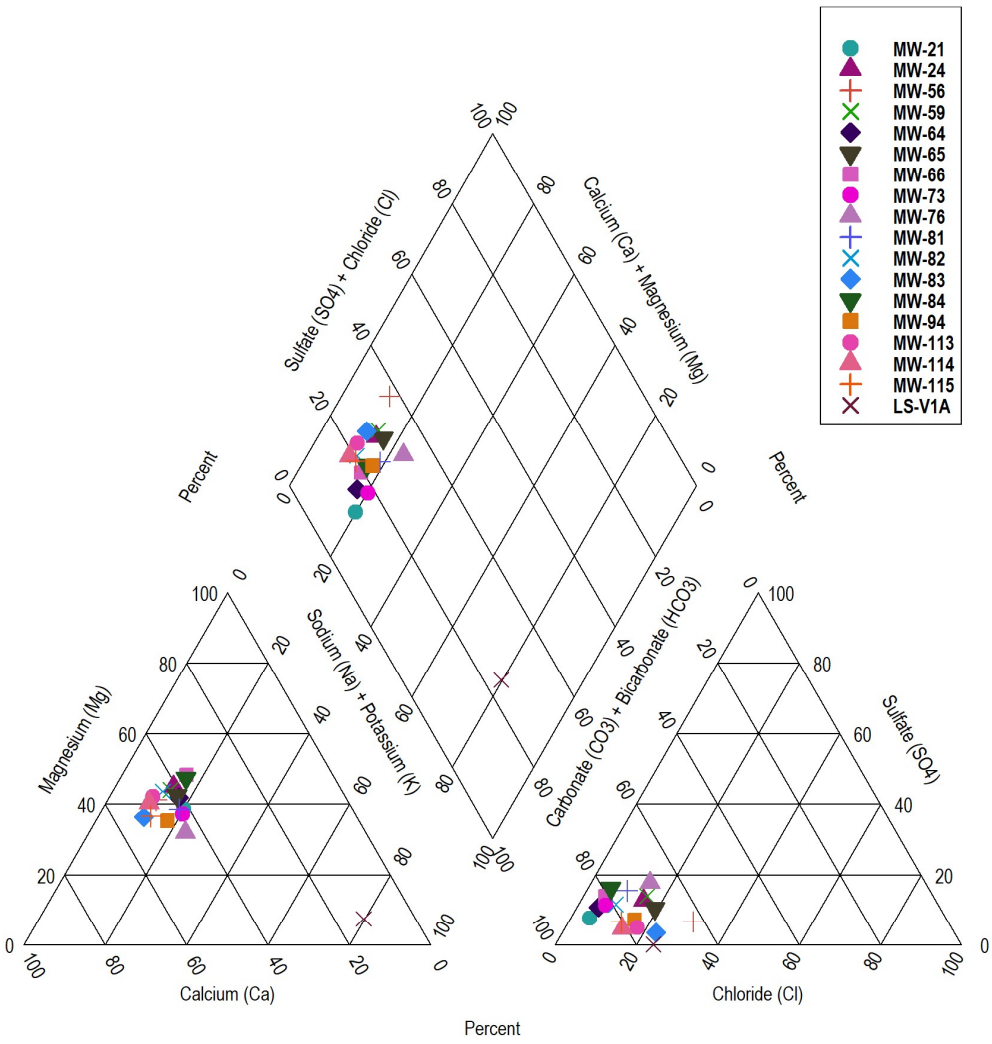
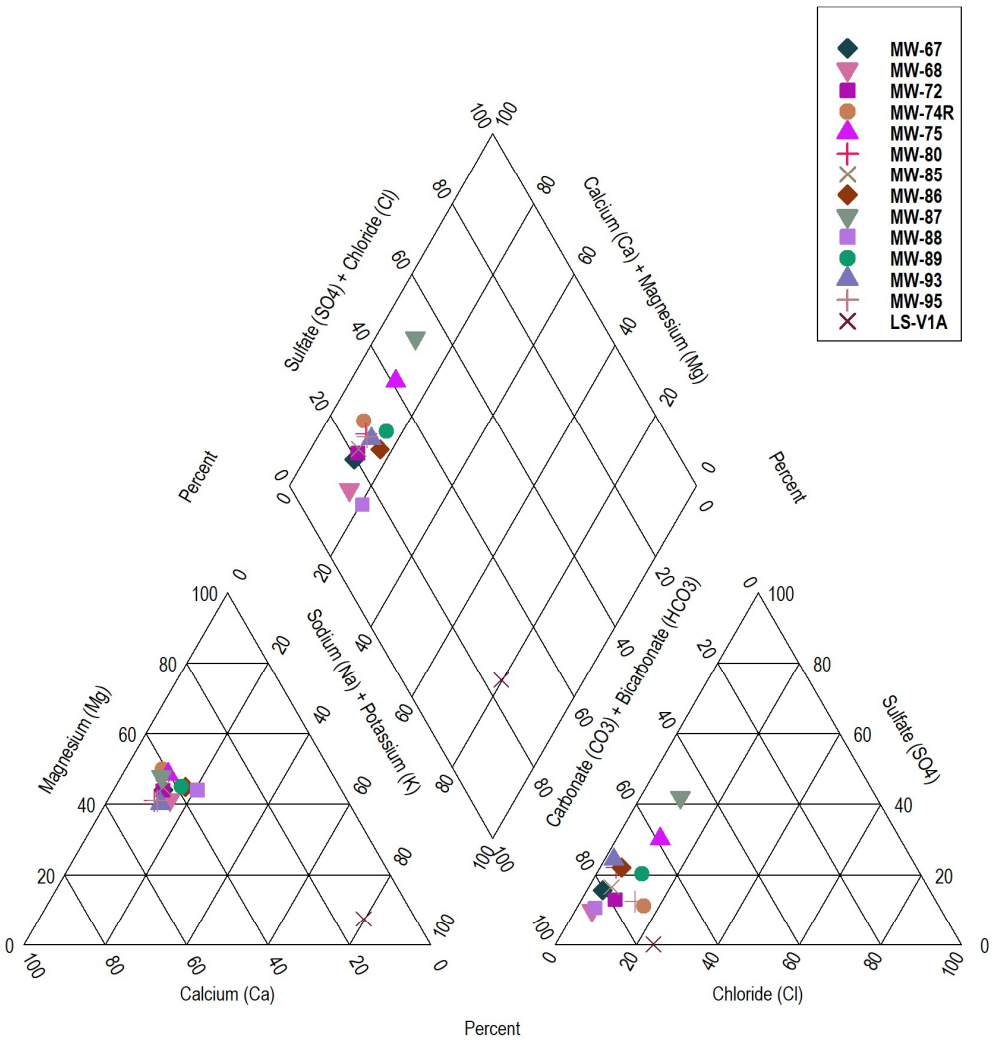


Figure D-8b: Trilinear Diagram

Cedar Hills Regional Landfill 4th Quarter 2025

Regional Aquifer Wells – Downgradient



APPENDIX E

Groundwater Standards
And
2025 Prediction Limits

National Primary Drinking Water Regulations

Contaminant	MCL or TT[1] (mg/L)[2]	Potential health effects from long-term[3] exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L)[2]
Acrylamide	TT[4]	Nervous system or blood problems; increased risk of cancer	Added to water during sewage/ wastewater treatment	zero
Alachlor	0.002	Eye, liver, kidney, or spleen problems; anemia; increased risk of cancer	Runoff from herbicide used on row crops	zero
Alpha/photon emitters	15 picocuries per Liter (pCi/L)	Increased risk of cancer	Erosion of natural deposits of certain minerals that are radioactive and may emit a form of radiation known as alpha radiation	zero
Antimony	0.006	Increase in blood cholesterol; decrease in blood sugar	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder	0.006
Arsenic	0.010	Skin damage or problems with circulatory systems, and may have increased risk of getting cancer	Erosion of natural deposits; runoff from orchards; runoff from glass & electronics production wastes	0
Asbestos (fibers >10 micrometers)	7 million fibers per Liter (MFL)	Increased risk of developing benign intestinal polyps	Decay of asbestos cement in water mains; erosion of natural deposits	7 MFL
Atrazine	0.003	Cardiovascular system or reproductive problems	Runoff from herbicide used on row crops	0.003
Barium	2	Increase in blood pressure	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	2
Benzene	0.005	Anemia; decrease in blood platelets; increased risk of cancer	Discharge from factories; leaching from gas storage tanks and landfills	zero
Benzo(a)pyrene (PAHs)	0.0002	Reproductive difficulties; increased risk of cancer	Leaching from linings of water storage tanks and distribution lines	zero
Beryllium	0.004	Intestinal lesions	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries	0.004
Beta photon emitters	4 millirems per year	Increased risk of cancer	Decay of natural and man-made deposits of certain minerals that are radioactive and may emit forms of radiation known as photons and beta radiation	zero
Bromate	0.010	Increased risk of cancer	Byproduct of drinking water disinfection	zero
Cadmium	0.005	Kidney damage	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints	0.005
Carbofuran	0.04	Problems with blood, nervous system, or reproductive system	Leaching of soil fumigant used on rice and alfalfa	0.04

LEGEND



Contaminant	MCL or TT[1] (mg/L)[2]	Potential health effects from long-term[3] exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L)[2]
Carbon tetrachloride	0.005	Liver problems; increased risk of cancer	Discharge from chemical plants and other industrial activities	**zero**
Chloramines (as Cl_2)	MRDL=4.0[1]	Eye/nose irritation; stomach discomfort; anemia	Water additive used to control microbes	**MRDLG=4[1]**
Chlordane	0.002	Liver or nervous system problems; increased risk of cancer	Residue of banned termiticide	**zero**
Chlorine (as Cl_2)	MRDL=4.0[1]	Eye/nose irritation; stomach discomfort	Water additive used to control microbes	**MRDLG=4[1]**
Chlorine dioxide (as ClO_2)	MRDL=0.8[1]	Anemia; infants, young children, and fetuses of pregnant women: nervous system effects	Water additive used to control microbes	**MRDLG=0.8[1]**
Chlorite	1.0	Anemia; infants, young children, and fetuses of pregnant women: nervous system effects	Byproduct of drinking water disinfection	**0.8**
Chlorobenzene	0.1	Liver or kidney problems	Discharge from chemical and agricultural chemical factories	**0.1**
Chromium (total)	0.1	Allergic dermatitis	Discharge from steel and pulp mills; erosion of natural deposits	**0.1**
Copper	TT[5]; Action Level=1.3	Short-term exposure: Gastrointestinal distress. Long-term exposure: Liver or kidney damage. People with Wilson's Disease should consult their personal doctor if the amount of copper in their water exceeds the action level	Corrosion of household plumbing systems; erosion of natural deposits	**1.3**
Cryptosporidium	TT[7]	Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste	**zero**
Cyanide (as free cyanide)	0.2	Nerve damage or thyroid problems	Discharge from steel/metal factories; discharge from plastic and fertilizer factories	**0.2**
2,4-D	0.07	Kidney, liver, or adrenal gland problems	Runoff from herbicide used on row crops	**0.07**
Dalapon	0.2	Minor kidney changes	Runoff from herbicide used on rights of way	**0.2**
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	Reproductive difficulties; increased risk of cancer	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards	**zero**
o-Dichlorobenzene	0.6	Liver, kidney, or circulatory system problems	Discharge from industrial chemical factories	**0.6**
p-Dichlorobenzene	0.075	Anemia; liver, kidney, or spleen damage; changes in blood	Discharge from industrial chemical factories	**0.075**
1,2-Dichloroethane	0.005	Increased risk of cancer	Discharge from industrial chemical factories	**zero**

LEGEND DISINFECTANT | DISINFECTION BYPRODUCT | INORGANIC CHEMICAL | MICROORGANISM | ORGANIC CHEMICAL | RADIONUCLIDES

Contaminant	MCL or TT[1] (mg/L)[2]	Potential health effects from long-term[3] exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L)[2]
1,1-Dichloroethylene	0.007	Liver problems	Discharge from industrial chemical factories	**0.007**
cis-1,2-Dichloroethylene	0.07	Liver problems	Discharge from industrial chemical factories	**0.07**
trans-1,2, Dichloroethylene	0.1	Liver problems	Discharge from industrial chemical factories	**0.1**
Dichloromethane	0.005	Liver problems; increased risk of cancer	Discharge from industrial chemical factories	**zero**
1,2-Dichloropropane	0.005	Increased risk of cancer	Discharge from industrial chemical factories	**zero**
Di(2-ethylhexyl) adipate	0.4	Weight loss, liver problems, or possible reproductive difficulties	Discharge from chemical factories	**0.4**
Di(2-ethylhexyl) phthalate	0.006	Reproductive difficulties; liver problems; increased risk of cancer	Discharge from rubber and chemical factories	**zero**
Dinoseb	0.007	Reproductive difficulties	Runoff from herbicide used on soybeans and vegetables	**0.007**
Dioxin (2,3,7,8-TCDD)	0.00000003	Reproductive difficulties; increased risk of cancer	Emissions from waste incineration and other combustion; discharge from chemical factories	**zero**
Diquat	0.02	Cataracts	Runoff from herbicide use	**0.02**
Endothall	0.1	Stomach and intestinal problems	Runoff from herbicide use	**0.1**
Endrin	0.002	Liver problems	Residue of banned insecticide	**0.002**
Epichlorohydrin	TT[4]	Increased cancer risk; stomach problems	Discharge from industrial chemical factories; an impurity of some water treatment chemicals	**zero**
Ethylbenzene	0.7	Liver or kidney problems	Discharge from petroleum refineries	**0.7**
Ethylene dibromide	0.00005	Problems with liver, stomach, reproductive system, or kidneys; increased risk of cancer	Discharge from petroleum refineries	**zero**
Fecal coliform and *E. coli*	MCL[6]	Fecal coliforms and *E. coli* are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes may cause short term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, and people with severely compromised immune systems.	Human and animal fecal waste	**zero[6]**

LEGEND

DISINFECTANT | DISINFECTION BYPRODUCT | INORGANIC CHEMICAL | MICROORGANISM | ORGANIC CHEMICAL | RADIONUCLIDES

Contaminant	MCL or TT[1] (mg/L)[2]	Potential health effects from long-term[3] exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L)[2]
Fluoride	4.0	Bone disease (pain and tenderness of the bones); children may get mottled teeth	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories	**4.0**
Giardia lamblia	TT[7]	Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste	**zero**
Glyphosate	0.7	Kidney problems; reproductive difficulties	Runoff from herbicide use	**0.7**
Haloacetic acids (HAA5)	0.060	Increased risk of cancer	Byproduct of drinking water disinfection	**n/a[9]**
Heptachlor	0.0004	Liver damage; increased risk of cancer	Residue of banned termiticide	**zero**
Heptachlor epoxide	0.0002	Liver damage; increased risk of cancer	Breakdown of heptachlor	**zero**
Heterotrophic plate count (HPC)	TT[7]	HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of bacteria in drinking water, the better maintained the water system is.	HPC measures a range of bacteria that are naturally present in the environment	**n/a**
Hexachlorobenzene	0.001	Liver or kidney problems; reproductive difficulties; increased risk of cancer	Discharge from metal refineries and agricultural chemical factories	**zero**
Hexachloro-cyclopentadiene	0.05	Kidney or stomach problems	Discharge from chemical factories	**0.05**
Lead	TT[5]; Action Level=0.015	Infants and children: Delays in physical or mental development; children could show slight deficits in attention span and learning abilities; Adults: Kidney problems; high blood pressure	Corrosion of household plumbing systems; erosion of natural deposits	**zero**
Legionella	TT[7]	Legionnaire's Disease, a type of pneumonia	Found naturally in water; multiplies in heating systems	**zero**
Lindane	0.0002	Liver or kidney problems	Runoff/leaching from insecticide used on cattle, lumber, and gardens	**0.0002**
Mercury (inorganic)	0.002	Kidney damage	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and croplands	**0.002**
Methoxychlor	0.04	Reproductive difficulties	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, and livestock	**0.04**
Nitrate (measured as Nitrogen)	10	Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	**10**

LEGEND

DISINFECTANT | DISINFECTION BYPRODUCT | INORGANIC CHEMICAL | MICROORGANISM | ORGANIC CHEMICAL | RADIONUCLIDES

Contaminant	MCL or TT[1] (mg/L)[2]	Potential health effects from long-term[3] exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L)[2]
Nitrite (measured as Nitrogen)	1	Infants below the age of six months who drink water containing nitrite in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	1
Oxamyl (Vydate)	0.2	Slight nervous system effects	Runoff/leaching from insecticide used on apples, potatoes, and tomatoes	0.2
Pentachlorophenol	0.001	Liver or kidney problems; increased cancer risk	Discharge from wood-preserving factories	zero
Picloram	0.5	Liver problems	Herbicide runoff	0.5
Polychlorinated biphenyls (PCBs)	0.0005	Skin changes; thymus gland problems; immune deficiencies; reproductive or nervous system difficulties; increased risk of cancer	Runoff from landfills; discharge of waste chemicals	zero
Radium 226 and Radium 228 (combined)	5 pCi/L	Increased risk of cancer	Erosion of natural deposits	zero
Selenium	0.05	Hair or fingernail loss; numbness in fingers or toes; circulatory problems	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines	0.05
Simazine	0.004	Problems with blood	Herbicide runoff	0.004
Styrene	0.1	Liver, kidney, or circulatory system problems	Discharge from rubber and plastic factories; leaching from landfills	0.1
Tetrachloroethylene	0.005	Liver problems; increased risk of cancer	Discharge from factories and dry cleaners	zero
Thallium	0.002	Hair loss; changes in blood; kidney, intestine, or liver problems	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories	0.0005
Toluene	1	Nervous system, kidney, or liver problems	Discharge from petroleum factories	1
Total Coliforms	5.0 percent[8]	Coliforms are bacteria that indicate that other, potentially harmful bacteria may be present. See fecal coliforms and *E. coli*	Naturally present in the environment	zero
Total Trihalomethanes (TTHMs)	0.080	Liver, kidney, or central nervous system problems; increased risk of cancer	Byproduct of drinking water disinfection	n/a[9]
Toxaphene	0.003	Kidney, liver, or thyroid problems; increased risk of cancer	Runoff/leaching from insecticide used on cotton and cattle	zero
2,4,5-TP (Silvex)	0.05	Liver problems	Residue of banned herbicide	0.05
1,2,4-Trichlorobenzene	0.07	Changes in adrenal glands	Discharge from textile finishing factories	0.07

LEGEND

DISINFECTANT | DISINFECTION BYPRODUCT | INORGANIC CHEMICAL | MICROORGANISM | ORGANIC CHEMICAL | RADIONUCLIDES

Contaminant	MCL or TT[1] (mg/L)[2]	Potential health effects from long-term[3] exposure above the MCL	Common sources of contaminant in drinking water	Public Health Goal (mg/L)[2]
1,1,1-Trichloroethane	0.2	Liver, nervous system, or circulatory problems	Discharge from metal degreasing sites and other factories	**0.2**
1,1,2-Trichloroethane	0.005	Liver, kidney, or immune system problems	Discharge from industrial chemical factories	**0.003**
Trichloroethylene	0.005	Liver problems; increased risk of cancer	Discharge from metal degreasing sites and other factories	**zero**
Turbidity	TT[7]	Turbidity is a measure of the cloudiness of water. It is used to indicate water quality and filtration effectiveness (e.g., whether disease-causing organisms are present). Higher turbidity levels are often associated with higher levels of disease-causing microorganisms such as viruses, parasites, and some bacteria. These organisms can cause short term symptoms such as nausea, cramps, diarrhea, and associated headaches.	Soil runoff	**n/a**
Uranium	30µg/L	Increased risk of cancer, kidney toxicity	Erosion of natural deposits	**zero**
Vinyl chloride	0.002	Increased risk of cancer	Leaching from PVC pipes; discharge from plastic factories	**zero**
Viruses (enteric)	TT[7]	Short-term exposure: Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste	**zero**
Xylenes (total)	10	Nervous system damage	Discharge from petroleum factories; discharge from chemical factories	**10**

LEGEND DISINFECTANT | DISINFECTION BYPRODUCT | INORGANIC CHEMICAL | MICROORGANISM | ORGANIC CHEMICAL | RADIONUCLIDES

NOTES

1 Definitions
- **Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.
- **Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to MCLGs as feasible using the best available treatment technology and taking cost into consideration. MCLs are enforceable standards.
- **Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.
- **Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.
- **Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

2 Units are in milligrams per liter (mg/L) unless otherwise noted. Milligrams per liter are equivalent to parts per million (ppm).

3 Health effects are from long-term exposure unless specified as short-term exposure.

4 Each water system must certify annually, in writing, to the state (using third-party or manufacturers certification) that when it uses acrylamide and/or epichlorohydrin to treat water, the combination (or product) of dose and monomer level does not exceed the levels specified, as follows: Acrylamide = 0.05 percent dosed at 1 mg/L (or equivalent); Epichlorohydrin = 0.01 percent dosed at 20 mg/L (or equivalent).

5 Lead and copper are regulated by a Treatment Technique that requires systems to control the corrosiveness of their water. If more than 10 percent of tap water samples exceed the action level, water systems must take additional steps. For copper, the action level is 1.3 mg/L, and for lead is 0.015 mg/L.

6 A routine sample that is fecal coliform-positive or E. coli-positive triggers repeat samples--if any repeat sample is total coliform-positive, the system has an acute MCL violation. A routine sample that is total coliform-positive and fecal coliform-negative or E. coli-negative triggers repeat samples--if any repeat sample is fecal coliform-positive or E. coli-positive, the system has an acute MCL violation. See also Total Coliforms.

7 EPA's surface water treatment rules require systems using surface water or ground water under the direct influence of surface water to (1) disinfect their water, and (2) filter their water or meet criteria for avoiding filtration so that the following contaminants are controlled at the following levels:
- ***Cryptosporidium*:** 99 percent removal for systems that filter. Unfiltered systems are required to include Cryptosporidium in their existing watershed control provisions.
- **Giardia lamblia:** 99.9 percent removal/inactivation
- **Viruses:** 99.9 percent removal/inactivation
- ***Legionella*:** No limit, but EPA believes that if *Giardia* and viruses are removed/inactivated, according to the treatment techniques in the surface water treatment rule, *Legionella* will also be controlled.
- **Turbidity:** For systems that use conventional or direct filtration, at no time can turbidity (cloudiness of water) go higher than 1 nephelometric turbidity unit (NTU), and samples for turbidity must be less than or equal to 0.3 NTU in at least 95 percent of the samples in any month. Systems that use filtration other than the conventional or direct filtration must follow state limits, which must include turbidity at no time exceeding 5 NTU.
- **HPC:** No more than 500 bacterial colonies per milliliter
- **Long Term 1 Enhanced Surface Water Treatment:** Surface water systems or ground water systems under the direct influence of surface water serving fewer than 10,000 people must comply with the applicable Long Term 1 Enhanced Surface Water Treatment Rule provisions (e.g. turbidity standards, individual filter monitoring, *Cryptosporidium* removal requirements, updated watershed control requirements for unfiltered systems).
- **Long Term 2 Enhanced Surface Water Treatment:** This rule applies to all surface water systems or ground water systems under the direct influence of surface water. The rule targets additional *Cryptosporidium* treatment requirements for higher risk systems and includes provisions to reduce risks from uncovered finished water storages facilities and to ensure that the systems maintain microbial protection as they take steps to reduce the formation of disinfection byproducts. (Monitoring start dates are staggered by system size. The largest systems (serving at least 100,000 people) will begin monitoring in October 2006 and the smallest systems (serving fewer than 10,000 people) will not begin monitoring until October 2008. After completing monitoring and determining their treatment bin, systems generally have three years to comply with any additional treatment requirements.)
- **Filter Backwash Recycling:** The Filter Backwash Recycling Rule requires systems that recycle to return specific recycle flows through all processes of the system's existing conventional or direct filtration system or at an alternate location approved by the state.

8 No more than 5.0 percent samples total coliform-positive in a month. (For water systems that collect fewer than 40 routine samples per month, no more than one sample can be total coliform-positive per month.) Every sample that has total coliform must be analyzed for either fecal coliforms or E. coli. If two consecutive TC-positive samples, and one is also positive for E. coli or fecal coliforms, system has an acute MCL violation.

9 Although there is no collective MCLG for this contaminant group, there are individual MCLGs for some of the individual contaminants:
- **Haloacetic acids:** dichloroacetic acid (zero); trichloroacetic acid (0.3 mg/L)
- **Trihalomethanes:** bromodichloromethane (zero); bromoform (zero); dibromochloromethane (0.06 mg/L)

NATIONAL SECONDARY DRINKING WATER REGULATION

National Secondary Drinking Water Regulations are non-enforceable guidelines regarding contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to water systems but does not require systems to comply. However, some states may choose to adopt them as enforceable standards.

Contaminant	Secondary Maximum Contaminant Level
Aluminum	0.05 to 0.2 mg/L
Chloride	250 mg/L
Color	15 (color units)
Copper	1.0 mg/L
Corrosivity	Noncorrosive
Fluoride	2.0 mg/L
Foaming Agents	0.5 mg/L
Iron	0.3 mg/L
Manganese	0.05 mg/L
Odor	3 threshold odor number
pH	6.5-8.5
Silver	0.10 mg/L
Sulfate	250 mg/L
Total Dissolved Solids	500 mg/L
Zinc	5 mg/L

FOR MORE INFORMATION ON EPA'S SAFE DRINKING WATER:

visit: **epa.gov/safewater**

call: **(800) 426-4791**

ADDITIONAL INFORMATION:

To order additional posters or other ground water and drinking water publications, please contact the National Service Center for Environmental Publications at: **(800) 490-9198**, or email: **nscep@bps-lmit.com**.

Table E-2
Water Quality Standards
for Groundwaters of the State of Washington

Analyte	CAS No.	Groundwater Quality Criterion*	Units
I. PRIMARY AND SECONDARY CONTAMINANTS AND RADIONUCLIDES			
A. Primary Contaminants			
Barium, total	7440-39-3	1	mg/L
Cadmium, total	7440-43-9	0.005	mg/L
Chromium, total	7440-47-3	0.05	mg/L
Lead, total	7439-92-1	0.015	mg/L
Mercury, total	7439-97-6	0.002	mg/L
Selenium, total	7782-49-2	0.01	mg/L
Silver, total	7440-22-4	0.05	mg/L
Fluoride	16984-48-8	4	mg/L
Nitrate (as N)	14797-55-8	10	mg/L
Endrin	72-20-8	0.2	ug/L
Methoxychlor	72-43-5	40	ug/L
1,1,1-Trichloroethane	71-55-6	200	ug/L
2,4-D	94-75-7	70	ug/L
2,4,5-TP	93-72-1	100	ug/L
Total Coliform Bacteria		1/100	mL
B. Secondary Contaminants			
Copper, total	7440-50-8	1	mg/L
Iron, total	7439-89-6	0.3	mg/L
Manganese, total	7439-96-5	0.05	mg/L
Zinc, total	7440-66-6	5	mg/L
Chloride	16887-00-6	250	mg/L
Sulfate	14808-79-8	250	mg/L
Total Dissolved Solids		500	mg/L
Foaming Agents		0.5	mg/L
pH	12408-02-5	6.5-8.5	units
Corrosivity		non-corrosive	
Color		15	color units
Odor-Threshold		3	threshold odor units
C. Radionuclides and Radioactivity			
Gross Alpha particle activity		15	pCi/L
Gross Beta particle activity		50	pCi/L
Tritium	10028-17-8	20,000	pCi/L
Strontium	7440-24-6	8	pCi/L
Radium 226 & 228		5	pCi/L
Radium 266	13982-63-3	3	pCi/L
II. CARCINOGENS			
1,1-Dichloroethane	75-34-3	1	ug/L
1,2-Dichloroethane	107-06-2	0.5	ug/L
1,2-Dichloropropane	78-87-5	0.6	ug/L
1,2-Dimethylhydrazine	540-73-8	60	ug/L
1,2-Diphenylhydrazine	122-66-7	0.09	ug/L
1,3-Dichloropropene tot.	542-75-6	0.2	ug/L
1,4-Dichlorobenzene	106-46-7	4	ug/L
1,4-Dioxane	123-91-1	7	ug/L
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	0.0000006	ug/L
2,4,6-Trichlorophenol	88-06-2	4	ug/L
2,4-Dinitrotoluene	121-14-2	0.1	ug/L
2,4-Toluenediamine	95-80-7	0.002	ug/L
2,6-Dinitrotoluene	606-20-2	0.1	ug/L
2-Methoxy-5-nitroanaline	99-59-2	2	ug/L
2-Methylaniline	95-53-4	0.2	ug/L
2-Methylaniline hydrochloride	636-21-5	0.5	ug/L
3,3'-Dichlorobenzidine	91-94-1	0.2	ug/L
3,3'-Dimethoxybenzidine	119-90-4	6	ug/L
3,3-Dimethylbenzidine	119-93-7	0.007	ug/L
4,4'-Methylene bis(N,N'-dimethyl) aniline	101-61-1	2	ug/L
4-Chloro-2-methyl analine	95-69-2	0.1	ug/L
4-Chloro-2-methyl analine hydrochloride	3165-93-3	0.2	ug/L
Acrylamide	79-06-1	0.02	ug/L
Acrylonitrile	107-13-1	0.07	ug/L
Aldrin	309-00-2	0.005	ug/L
Aniline	62-53-3	14	ug/L
Aramite	140-57-8	3	ug/L
Arsenic, total	7440-38-2	0.00005	mg/L
Azobenzene	103-33-3	0.7	ug/L
Benzene	71-43-2	1	ug/L

Table E-2
Water Quality Standards
for Groundwaters of the State of Washington

	Analyte	CAS No.	Groundwater Quality Criterion*	Units
II. (CONT.)	Benzidine	92-87-5	0.0004	ug/L
	Benzo(a)pyrene	50-32-8	0.008	ug/L
	Benzotrichloride	98-07-7	0.007	ug/L
	Benzyl chloride	100-44-7	0.5	ug/L
	Bis(2-ethylhexyl)phthalate	117-81-7	6	ug/L
	Bis(chloroethyl)ether	111-44-4	0.07	ug/L
	Bis(chloromethyl)ether	542-88-1	0.0004	ug/L
	Bromodichloromethane	75-27-4	0.3	ug/L
	Bromoform	75-25-2	5	ug/L
	Carbazole	86-74-8	5	ug/L
	Carbon Tetrachlrodie	56-23-5	0.3	ug/L
	Chlordane	5103-71-9	0.06	ug/L
	Chlorodibromomethane	124-48-1	0.5	ug/L
	Chloroform	67-66-3	7	ug/L
	Chlorthalonil	1897-45-6	30	ug/L
	DDT (includes DDE and DDD)	50-29-3, 72-55-9, and 72-54-8	0.3	ug/L
	Diallate	2303-16-4	1	ug/L
	Dichlorovos	62-73-7	0.3	ug/L
	Dieldrin	60-57-1	0.005	ug/L
	Direct Black 38	1937-37-7	0.009	ug/L
	Direct Blule 6	2602-46-2	0.009	ug/L
	Direct Brown 95	16071-86-6	0.009	ug/L
	Epichlorohydrin	106-89-8	8	ug/L
	Ethyl acrylate	140-88-5	2	ug/L
	Ethylene dibrtomide	106-93-4	0.001	ug/L
	Ethylene thiourea	96-45-7	2	ug/L
	Folpet	133-07-3	20	ug/L
	Furazolidone	67-45-8	0.02	ug/L
	Furium	531-82-8	0.002	ug/L
	Furmecyclox	60568-05-0	3	ug/L
	Heptachlor	76-44-8	0.02	ug/L
	Heptachlor epoxide	1024-57-3	0.009	ug/L
	Hexachlorobenzene	118-74-1	0.05	ug/L
	Hexachlorocyclohexane (alpha)	319-84-6	0.001	ug/L
	Hexachlorocyclohexane (technical)	608-73-1	0.05	ug/L
	Hexachlorodibenzo-p-dioxin, mix	34465-46-8	0.00001	ug/L
	Hydrazine/hydrazine sulfate	1-2/10034-93-2	0.03	ug/L
	Lindane	58-89-9	0.06	ug/L
	Methylene chloride	75-09-2	5	ug/L
	Mirex	2385-85-5	0.05	ug/L
	Nitrofurazone	59-87-0	0.06	ug/L
	N-Nitrosodiethanolamine	1116-54-7	0.03	ug/L
	N-Nitrosodiethylamine	55-18-5	0.0005	ug/L
	N-Nitrosodimethylamine	62-75-9	0.002	ug/L
	N-Nitroso-di-n-butylamine	924-16-3	0.02	ug/L
	N-Nitroso-di-n-propylamine	621-64-7	0.01	ug/L
	N-Nitrosodiphenylamine	86-30-6	17	ug/L
	N-Nitroso-N-methylethylylamine	10595-95-6	0.004	ug/L
	N-Nitrosopyrrolidine	930-55-2	0.04	ug/L
	o-Chloronitrobenzene	88-73-3	3	ug/L
	o-Phenylenediamine	95-54-5	0.005	ug/L
	o-Toluidine	95-53-4	0.2	ug/L
	p,a,a,a-Tetrachlorotoluene	5216-25-1	0.004	ug/L
	PAHs [Benzo(a)pyrene]		0.01	ug/L
	PBBs	59536-65-1	0.01	ug/L
	PCBs c	27323-18-8	0.01	ug/L
	p-Chloronitrobenzene	100-00-5	5	ug/L
	Propylene oxide	75-56-9	0.01	ug/L
	Tetrachloroethylene	127-18-4	0.8	ug/L
	Toxaphene C	8001-35-2	0.08	ug/L
	Trichloroethylene (TCE)	79-01-6	3	ug/L
	Trimethyl phosphate	512-56-1	2	ug/L
	Vinyl chloride	75-01-4	0.02	ug/L

NOTES:
pCi/L=picocuries per liter
mg/L=milligrams per liter
ug/L=micrograms per liter
*Ground Water Quality Criteria = 173-200 WAC Water Quality Standards for Ground Waters of the State of Washington

Table E-3
CEDAR HILLS REGIONAL LANDFILL
Perched Zone Prediction Limit Values

	Parameter	Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Cobalt	Total Copper	Total Lead	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Vanadium	Total Zinc
Well	**Units**	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
MW-30A	Limit	1	0.862	8.09	1	2	2.5	3	10.3	1	5	1	3	1	3.31	18.8
MW-47	Limit	1	11.3	46.4	1	2	5	1.5	10.5	1.43	5	1	3	1	3.17	168
MW-62	Limit	1	0.589	3.49	1	2	2.5	1.5	1.98	1	5	1	3	1	2.12	4
MW-102	Limit	1	1.27	33.7	0.1	0.2	18.7	7.41	13.5	4.15	5	1	3	1	8.41	20.1
MW-103	Limit	1	12.7	55.9	0.1	0.2	18.6	14.1	17.7	6.52	12.6	1	3	1	14.9	29.6
MW-107	Limit	0.445	22.2	25.4	0.1	0.261	2.03	5.42	49.3	0.199	11.9	0.5	0.0453	0.1	2.18	9.27
MW-108	Limit	0.446	2.43	20.6	0.1	0.05	1.19	0.187	3.02	0.395	1	0.5	0.04	0.1	5.11	4.16
MW-109[1]	Limit	1.84	138	292	1.27	0.506	282	3.33	70.0	6.33	31.7	4.42	0.405	0.759	934	10.7
MW-110	Limit	0.3	19.77	54.7	0.101	0.173	1.68	6.78	3.34	0.476	10	0.5	0.04	0.1	5.25	5.56
MW-111	Limit	0.3	2.36	12.6	0.1	0.05	3.84	0.467	3.77	0.609	3.53	0.5	0.04	0.1	5.5	8.72
MW-112	Limit	0.3	3.86	11.2	0.1	0.05	1.07	0.138	0.739	0.1	0.636	0.5	0.04	0.1	1.51	1.55
MW-101	Limit	1	13.5	35.9	1	2	2.5	1.5	4.16	1.09	5	1	3	1	3.87	7.29

	Parameter	Nitrate as N	1,1-Dichloro-ethane	1,2-Dichloro-benzene	1,1-Dichloro-ethene	1,2-Dichloro-ethane	1,2-Dichloro-propane	1,4-Dichloro-benzene	Benzene	Chloro-benzene	*cis* -1,2-Dichloro-ethene	Dichloro-difluoro-methane	Tetrachloro-ethene (PCE)	Toluene	*trans* -1,2-Dichloro-ethene	Trichloro-ethene (TCE)	Vinyl Chloride
Well	**Units**	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	*ug/L*	ug/L	ug/L
MW-30A	Limit	20.6	2.60	1	2	0.2	0.2	0.2	0.2	0.2	6.54	0.2	1	0.2	0.2	1.32	0.02
MW-47	Limit	0.024	1.00	1	2	0.441	0.2	0.2	0.36	0.2	11	8.29	1	0.2	0.408	0.23	8.21
MW-62	Limit	6.68	8.95	0.2	0.2	0.2	0.2	0.2	0.2	0.2	9.80	0.2	0.2	0.518	0.2	0.32	0.02
MW-102	Limit	2.82	0.439	1	2	0.2	0.2	0.2	0.2	0.2	0.651	0.2	1	0.717	0.2	0.2	0.02
MW-103	Limit	0.0562	0.2	1	2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1	0.72	0.2	0.2	0.0882
MW-107	Limit	5.91	0.166	1	2	0.1	0.1	3.90	0.636	1.93	0.347	0.2	1	0.1	0.119	0.1	1.56
MW-108	Limit	0.985	0.1	1	2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	0.122	0.1	0.1	0.01
MW-109[1]	Limit	0.5	1	10	20	1	1	1.94	2.39	2.65	1	1	10	1553	1	1	0.451
MW-110	Limit	0.016	0.432	1.49	2	0.414	0.328	0.320	0.832	1.68	7.44	0.2	1	0.138	0.432	0.158	0.373
MW-111	Limit	2.8	0.1	1	2	0.1	0.1	0.1	0.1	0.1	0.279	0.2	1	0.26	0.1	0.13	0.0113
MW-112	Limit	0.982	0.1	1	2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	1	0.1	0.1	0.1	0.01
MW-101	Limit	0.062	0.2	0.2	0.2	0.233	0.2	0.2	0.2	0.2	0.277	0.2	0.2	0.2	0.2	0.2	0.633

Table E-4
CEDAR HLLS REGIONAL LANDFILL
Regional Aquifer Prediction Limit Values

	Parameter	Total Antimony	Total Arsenic	Total Barium	Total Beryllium	Total Cadmium	Total Chromium	Total Cobalt	Total Copper	Total Lead	Total Nickel	Total Selenium	Total Silver	Total Thallium	Total Vanadium	Total Zinc	Nitrate as N	*cis*-1,2-Dichloro-ethene	Tetrachloro-ethene (PCE)	Trichloro-ethene (TCE)	Vinyl Chloride
Well	**Units**	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
MW-21	Limit	1	1.19	6.60	1	2	5	3	2	1	10	1	3	1	2	4	0.11	0.2	0.2	0.2	0.02
MW-24	Limit	1	0.63	2.46	1	2	5	3	2	1	10	1	3	1	2	4	0.13	0.34	0.2	0.2	0.0276
MW-56	Limit	1	2.53	47.8	1	2	7.55	6.11	17.7	3.3	8.39	1	6.94	1	18.1	23.5	2.78	1.67	0.2	0.2	0.02
MW-59	Limit	1	1	5.45	1	2	5	3	2	1	5	1	3	1	2	7.48	0.029	1.48	0.2	0.2	0.02
MW-64	Limit	1	10	29.9	1	2	5	3.85	5.12	1	15.5	1	3	1	6.06	38.5	0.121	0.2	0.2	0.2	0.02
MW-65	Limit	1	2.56	8.74	1	2	5	3	2	1	5	1	3	1	2	4	0.05	0.2	0.2	0.2	0.093
MW-66	Limit	1	0.8	6.49	1	2	5	3	4.66	1	5	1.04	3	1	1.02	2.28	0.907	0.2	0.2	0.2	0.02
MW-73	Limit	1	1.51	22.5	1	2	2.5	3	3.63	5.19	5	1.6	3	1	4.13	7.85	2.01	0.2	0.2	0.2	0.02
MW-76	Limit	1	0.5	5.15	1	2	5.89	3	3.01	1	5	1	3	1	1	4	4.14	2.29	0.601	13.1	0.02
MW-81	Limit	1	0.625	4.87	1	2	5	3	2	1	5	1.04	3	1	2.53	8.95	1.73	0.2	0.2	0.2	0.02
MW-82	Limit	1	0.5	3.76	1	2	3.53	3	1	1	6.52	1	3	1	1.58	2	1.43	0.2	0.2	7.35	0.02
MW-83	Limit	1	0.5	15.1	1	2	62.8	1.5	7.71	1	9.66	1	3	1	1.15	4	6.90	0.2	0.2	2.66	0.02
MW-84	Limit	1	0.5	5.64	1	2	5	3	2	1	8.31	0.986	3	1	1	19.6	0.617	0.2	0.2	0.2	0.02
MW-93	Limit	1	1.74	10.8	1	2	5	1.5	2	1	5	1	3	1	2.67	20.9	0.0549	0.2	0.2	0.2	0.02
MW-94	Limit	1	0.5	5.42	1	2	5	1.5	5.1	1	5	1	3	1	1.46	4	4.08	0.2	0.2	3.178	0.02
MW-95	Limit	1	1.11	5.25	1	2	5	1.5	2	1	5	1	3	1	1	4	0.05	0.2	0.2	0.2	0.02
MW-113	Limit	0.3	0.71	4.18	0.1	0.05	0.312	0.206	0.2	0.1	0.627	0.5	0.04	0.1	0.271	2.43	0.01	0.1	0.1	0.1	0.01
MW-114	Limit	0.3	0.354	2.38	0.1	0.05	0.429	3.67	0.567	0.1	0.724	0.5	0.04	0.1	1.37	1.2	2.59	0.1	0.1	13.3	0.01
MW-115	Limit	0.3	0.328	1.54	0.1	0.05	0.853	0.265	0.392	0.1	1.14	0.5	0.04	0.1	0.86	5.47	2.14	0.1	0.117	5.78	0.01
MW-67	Limit	1	17.5	35.2	1	2	5	1.5	2	1	5	1	3	1	5.22	4	0.75	0.2	0.2	0.2	0.02
MW-68	Limit	1	249	19.7	1	2	5	1.5	5.86	1	5	1	3	1	3.7	4	0.011	0.2	1	0.2	0.02
MW-72	Limit	1	0.5	16.2	1	2	5	3	3.31	1.04	5	1	3	1	2	20.1	0.029	0.2	0.2	0.2	0.02
MW-74R	Limit	1	1.45	15.9	1	2	5	3	1	1	5	1.04	3	1	1.12	4	0.684	0.2	0.2	0.2	0.02
MW-75	Limit	1	0.603	16.4	1	2	5	3	2	1	10	1	3	1	2	4	0.017	0.2	0.2	0.2	0.02
MW-80	Limit	1	39.2	23	1	2	5	3	2	1	10	1	3	1	2	11.7	0.035	0.2	1	0.2	0.02
MW-85	Limit	1	0.772	8.41	1	2	5	3	2	1	5	1.33	3	1	1.24	4	1.63	0.2	0.2	0.2	0.02
MW-86	Limit	1	19.4	8.36	1	2	5	3	5.47	1	5	1.7	3	1	3.36	4.04	570	0.2	0.2	0.2	0.02
MW-87	Limit	1.5	308	200	2.28	2	8.2	1.5	12.2	4.3	5	8.99	3	1	57.3	17.1	0.0803	0.2	0.2	0.2	0.02
MW-88	Limit	1	1.12	2.44	1	2	2.5	3	2	1	10	0.691	3	1	3.00	4	1.7	0.2	0.2	0.2	0.02
MW-89	Limit	1	26.6	25.6	1	2	5	3	2	1	10	1	3	1	1.35	34.0	0.05	0.2	0.2	0.2	0.04
MW-100	Limit	1	19.0	11.2	1	2	9.03	1.5	2.26	1	5	1	3	1	2	9.22	300	0.2	0.2	0.2	0.02

APPENDIX F

Groundwater Exceedances and Detections

Table F-1
Perched Zones: Summary of Groundwater Quality Criteria Exceedances

January 01, 2025 to March 31, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
East Perched Zone						
pH, Field	pH units	MW-EB6	1/21/2025	6.13	MCL2; SGWC2	< 6.5
		MW-30A	1/14/2025	6.33		
		MW-62	1/13/2025	6.13		
		MW-102	1/16/2025	6.45		
		MW-107	1/21/2025	5.80		
		MW-110	1/16/2025	6.48		
		MW-111	1/16/2025	5.63		
Spec Cond, Field	umhos/cm	MW-47	1/15/2025	814.00	SGWC2	700
		MW-109	1/15/2025	2830.00		
Total Dissolved Solids	mg/L	MW-47	1/15/2025	523.00	MCL2; SGWC2	500
		MW-109	1/15/2025	2330.00		
Arsenic, Total	µg/L	MW-109	1/15/2025	48.80	MCL1; SGWC1	10[1]; 0.05
		MW-EB6	1/21/2025	0.96	SGWC1	0.05
		MW-30A	1/14/2025	0.50		
		MW-47	1/15/2025	3.24		
		MW-62	1/13/2025	0.18		
		MW-102	1/16/2025	0.32		
		MW-103	3/25/2025	8.64		
		MW-107	1/21/2025	5.14		
		MW-108	1/16/2025	1.74		
		MW-110	1/16/2025	5.11		
		MW-111	1/16/2025	0.48		
		MW-112	1/21/2025	2.74		
Chromium, Total	mg/L	MW-109	1/15/2025	0.26	MCL1; SGWC1	0.1; 0.05
Iron, Total	mg/L	MW-47	1/15/2025	3.31	MCL2; SGWC2	0.3
		MW-102	1/16/2025	0.41		
		MW-107	1/21/2025	2.16		
		MW-109	1/15/2025	32.40		
		MW-110	1/16/2025	0.64		
Manganese, Total	µg/L	MW-47	1/15/2025	1270 D	MCL2; SGWC2	50[1]; 50
		MW-107	1/21/2025	826 D		
		MW-109	1/15/2025	4240.00		
		MW-110	1/16/2025	2630 D		
Sodium, Total	mg/L	MW-47	1/15/2025	20.10	MCL1; SGWC1	20
		MW-108	1/16/2025	31.50		
		MW-109	1/15/2025	1140.00		
		MW-110	1/16/2025	28.20		
		MW-112	1/21/2025	38.50 D		
1,1-Dichloroethane	µg/L	MW-30A	1/14/2025	1.82	SGWC1	1
Vinyl Chloride	µg/L	MW-47	1/15/2025	3.52 D	MCL1; SGWC1	2; 0.02
		MW-109	1/15/2025	0.130 DJT	SGWC1	0.02
		MW-110	1/16/2025	0.104 D		

Table F-1
Perched Zones: Summary of Groundwater Quality Criteria Exceedances

January 01, 2025 to March 31, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
South Solid Waste Area Perched Zone						
Arsenic, Total	µg/L	MW-101	1/8/2025	10.00	MCL1; SGWC1	10[1]; 0.05
Iron, Total	mg/L	MW-101	1/8/2025	0.51	MCL2; SGWC2	0.3
Manganese, Total	µg/L	MW-101	1/8/2025	1040 D	MCL2; SGWC2	50[1]; 50
Vinyl Chloride	µg/L	MW-101	1/8/2025	0.131 D	SGWC1	0.02

MCL1 = National Primary Drinking Water Regulation Maximum Contaminant Level.

MCL2 = National Secondary Drinking Water Regulation Maximum Contaminant Level.

SGWC1 = Washington State Primary Groundwater Quality Criteria.

SGWC2 = Washington State Secondary Groundwater Quality Criteria.

[1]MCL2 for manganese is 0.05 mg/L. Converted standards to µg/L in the table.

Natural background for arsenic in the Puget Sound Basin is 8 µg/L (Ecology, 2022).

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-1
Perched Zones: Summary of Groundwater Quality Criteria Exceedances

April 1, 2025 to June 30, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
East Perched Zone						
pH, Field	pH units	MW-30A	4/21/2025	6.44	MCL2; SGWC2	< 6.5
		MW-62	4/23/2025	5.87		
		MW-102	4/21/2025	6.39		
		MW-107	4/16/2025	6.06		
		MW-110	4/16/2025	6.38		
		MW-111	4/16/2025	5.77		
Spec Cond, Field	umhos/cm	MW-47	4/17/2025	781	SGWC2	700
		MW-109	4/18/2025	5238		
Total Dissolved Solids	mg/L	MW-109	4/18/2025	3220	MCL2; SGWC2	500
Arsenic, Total	µg/L	MW-109	4/18/2025	105	MCL1; SGWC1	10[1]; 0.05
		MW-EB6	4/21/2025	0.79	SGWC1	0.05
		MW-30A	4/21/2025	0.468		
		MW-47	4/17/2025	1.75		
		MW-62	4/23/2025	0.142		
		MW-102	4/21/2025	0.253		
		MW-103	5/22/2025	8.73		
		MW-107	4/16/2025	8.4		
		MW-108	4/22/2025	1.45		
		MW-110	4/16/2025	5.07		
		MW-111	4/16/2025	0.336		
		MW-112	4/16/2025	2.31		
Chromium, Total	mg/L	MW-109	4/18/2025	0.239	MCL1; SGWC1	0.1; 0.05
Iron, Total	mg/L	MW-47	4/17/2025	2.29	MCL2; SGWC2	0.3
		MW-107	4/16/2025	3.04		
		MW-109	4/18/2025	28.4		
		MW-110	4/16/2025	0.718		
Manganese, Total	µg/L	MW-47	4/17/2025	1830 D	MCL2; SGWC2	50[1]; 50
		MW-107	4/16/2025	1270 D		
		MW-109	4/18/2025	3900		
		MW-110	4/16/2025	3990 D		
Sodium, Total	mg/L	MW-108	4/22/2025	35.1	MCL1; SGWC1	20
		MW-109	4/18/2025	1260		
		MW-110	4/16/2025	25.5		
		MW-112	4/16/2025	33.8		
1,1-Dichloroethane	µg/L	MW-30A	4/21/2025	2.1	SGWC1	1
Vinyl Chloride	µg/L	MW-47	4/17/2025	3.01 D	MCL1; SGWC1	2; 0.02
		MW-109	4/18/2025	1.23 D	SGWC1	0.02
		MW-110	4/16/2025	0.168		

Table F-1
Perched Zones: Summary of Groundwater Quality Criteria Exceedances

April 1, 2025 to June 30, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
South Solid Waste Area Perched Zone						
Arsenic, Total	µg/L	MW-101	4/23/2025	13	SGWC1	0.05
Iron, Total	mg/L	MW-101	4/23/2025	0.605	MCL2; SGWC2	0.3
Manganese, Total	µg/L	MW-101	4/23/2025	1030	MCL2; SGWC2	50[1]; 50
Vinyl Chloride	µg/L	MW-101	4/23/2025	0.253	SGWC1	0.02

[1]MCL1 for arsenic is 0.010 mg/L. MCL2 for manganese is 0.05 mg/L. Converted standards to µg/L in the table.

MCL1 = National Primary Drinking Water Regulation Maximum Contaminant Level.

MCL2 = National Secondary Drinking Water Regulation Maximum Contaminant Level.

SGWC1 = Washington State Primary Groundwater Quality Criteria.

SGWC2 = Washington State Secondary Groundwater Quality Criteria.

Natural background for arsenic in the Puget Sound Basin is 8 µg/L (Ecology, 2022).

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-1
Perched Zones: Summary of Groundwater Quality Criteria Exceedances

July 1, 2025 to September 30, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
East Perched Zone						
pH, Field	pH units	MW-30A	7/28/2025	6.33	MCL2; SGWC2	< 6.5
		MW-102	7/17/2025	6.34		
		MW-107	7/17/2025	5.45		
		MW-110	7/21/2025	6.42		
Spec Cond, Field	umhos/cm	MW-47	7/29/2025	868.2	SGWC2	700
		MW-109	7/22/2025	1432		
Total Dissolved Solids	mg/L	MW-47	7/29/2025	552	MCL2; SGWC2	500
Arsenic, Total	µg/L	MW-109	7/22/2025	50.4	MCL1; SGWC1	10[1]; 0.05
		MW-30A	7/28/2025	0.495	SGWC1	0.05
		MW-47	7/29/2025	0.865		
		MW-102	7/17/2025	0.364		
		MW-103	7/29/2025	0.694		
		MW-107	7/17/2025	3.6		
		MW-110	7/21/2025	4.96		
		MW-112	7/22/2025	2.19		
Iron, Total	mg/L	MW-47	7/29/2025	0.924	MCL2; SGWC2	0.3
		MW-102	7/17/2025	0.707		
		MW-107	7/17/2025	2.21		
		MW-109	7/22/2025	15.7		
		MW-110	7/21/2025	1.5		
Manganese, Total	µg/L	MW-47	7/29/2025	774	MCL2; SGWC2	50[1]; 50
		MW-103	7/29/2025	57.1		
		MW-107	7/17/2025	796		
		MW-109	7/22/2025	2650		
		MW-110	7/21/2025	5250		
Sodium, Total	mg/L	MW-109	7/22/2025	181	MCL1; SGWC1	20
		MW-110	7/21/2025	29		
		MW-112	7/22/2025	23.8		
1,1-Dichloroethane	µg/L	MW-30A	7/28/2025	1.95	SGWC1	1
Vinyl Chloride	µg/L	MW-47	7/29/2025	3.23	MCL1; SGWC1	2; 0.02
		MW-109	7/22/2025	0.155	SGWC1	0.02
		MW-110	7/21/2025	0.17		

Table F-1
Perched Zones: Summary of Groundwater Quality Criteria Exceedances

July 1, 2025 to September 30, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
South Solid Waste Area Perched Zone						
Arsenic, Total	µg/L	MW-101	7/16/2025	11.4	MCL1; SGWC1	10[1]; 0.05
Iron, Total	mg/L	MW-101	7/16/2025	0.62	MCL2; SGWC2	0.3
Manganese, Total	µg/L	MW-101	7/16/20258	1140	MCL2; SGWC2	50[1]; 50
Vinyl Chloride	µg/L	MW-101	7/16/2025	0.213	SGWC1	0.02

[1]MCL1 for arsenic is 0.010 mg/L. MCL2 for manganese is 0.05 mg/L. Converted standards to µg/L in the table.

MCL1 = National Primary Drinking Water Regulation Maximum Contaminant Level.

MCL2 = National Secondary Drinking Water Regulation Maximum Contaminant Level.

SGWC1 = Washington State Primary Groundwater Quality Criteria.

SGWC2 = Washington State Secondary Groundwater Quality Criteria.

Natural background for arsenic in the Puget Sound Basin is 8 µg/L (Ecology, 2022).

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-1
Perched Zones: Summary of Groundwater Quality Criteria Exceedances

October 1, 2025 to December 31, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
East Perched Zone						
pH, Field	pH units	MW-30A	10/27/2025	6.17	MCL2; SGWC2	< 6.5
		MW-107	10/22/2025	5.32		
		MW-110	10/20/2025	6.36		
Spec Cond, Field	umhos/cm	MW-47	10/27/2025	866	SGWC2	700
		MW-47	10/29/2025	866		
Total Dissolved Solids	mg/L	MW-47	10/27/2025	540	MCL2; SGWC2	500
Arsenic, Total	µg/L	MW-110	10/20/2025	16.1	MCL1; SGWC1	10[1]; 0.05
		MW-30A	10/27/2025	0.503		
		MW-47	10/27/2025	0.693		
		MW-103	10/21/2025	8		
		MW-107	10/22/2025	2.2		
Iron, Total	mg/L	MW-47	10/27/2025	0.523	MCL2; SGWC2	0.3
		MW-107	10/22/2025	2.13		
		MW-110	10/20/2025	3.68		
Manganese, Total	µg/L	MW-47	10/27/2025	722	MCL2; SGWC2	50[1]; 50
		MW-107	10/22/2025	878 D		
		MW-110	10/20/2025	5370 D		
1,1-Dichloroethane	µg/L	MW-30A	10/27/2025	3	SGWC1	1
Vinyl Chloride	µg/L	MW-47	10/27/2025	2.87 D	MCL1; SGWC1	2; 0.02
		MW-30A	10/27/2025	0.045 D	SGWC1	0.02
		MW-107	10/22/2025	0.042 D		
		MW-110	10/20/2025	0.133 D		
South Solid Waste Area Perched Zone						
Arsenic, Total	µg/L	MW-101	10/27/2025	2.7	SGWC1	0.05
Manganese, Total	µg/L	MW-101	10/27/2025	801	MCL2; SGWC2	50[1]; 50
Vinyl Chloride	µg/L	MW-101	10/27/2025	0.199	SGWC1	0.02

[1]MCL1 for arsenic is 0.010 mg/L. MCL2 for manganese is 0.05 mg/L. Converted standards to µg/L in the table.

MCL1 = National Primary Drinking Water Regulation Maximum Contaminant Level.

MCL2 = National Secondary Drinking Water Regulation Maximum Contaminant Level.

SGWC1 = Washington State Primary Groundwater Quality Criteria.

SGWC2 = Washington State Secondary Groundwater Quality Criteria.

Natural background for arsenic in the Puget Sound Basin is 8 µg/L (Ecology, 2022).

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-2
Regional Aquifer: Summary of Groundwater Quality Criteria Exceedances

January 01, 2025 to March 31, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
Upgradient						
pH, Field	pH units	MW-83	1/13/2025	6.41	MCL2; SGWC2	< 6.5
		MW-94	1/13/2025	6.47		
Arsenic, Total	µg/L	MW-59	1/7/2025	0.395	SGWC1	0.05
		MW-66	1/8/2025	0.697		
		MW-81	1/14/2025	0.506		
		MW-83	1/13/2025	0.328		
		MW-84	1/8/2025	0.333		
		MW-94	1/13/2025	0.096		
		MW-113	1/8/2025	0.587		
		MW-114	1/14/2025	0.277		
		MW-115	1/7/2025	0.163		
Iron, Total	mg/L	MW-59	1/7/2025	4.76	MCL2; SGWC2	0.3
		MW-113	1/8/2025	1.62		
Manganese, Total	µg/L	MW-59	1/7/2025	133	MCL2; SGWC2	50[1]; 50
		MW-83	1/13/2025	75.7		
		MW-113	1/8/2025	489 D		
Trichloroethene	µg/L	MW-114	1/14/2025	8.91	MCL1; SGWC1	5; 3
		MW-115	1/7/2025	4.98	SGWC1	3
Downgradient						
Arsenic, Total	µg/L	MW-68	1/21/2025	58.5	MCL1; SGWC1	10[1]; 0.05
		MW-72	1/13/2025	0.215	SGWC1	0.05
		MW-74R	1/13/2025	0.348		
		MW-75	1/18/2025	0.418		
		MW-80	1/21/2025	3.19		
		MW-85	1/14/2025	0.704		
		MW-87	1/13/2025	1.2		
Iron, Total	mg/L	MW-68	1/21/2025	4.83	MCL2; SGWC2	0.3
		MW-72	1/13/2025	5.28		
		MW-75	1/18/2025	3.56		
		MW-80	1/21/2025	2.55		
		MW-87	1/13/2025	5.75		

Table F-2
Regional Aquifer: Summary of Groundwater Quality Criteria Exceedances

January 01, 2025 to March 31, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
Downgradient						
Manganese, Total	µg/L	MW-68	1/21/2025	393	MCL2; SGWC2	50[1]; 50
		MW-72	1/13/2025	339		
		MW-74R	1/13/2025	126		
		MW-75	1/18/2025	309		
		MW-80	1/21/2025	378		
		MW-87	1/13/2025	530 D		

MCL1 = National Primary Drinking Water Regulation Maximum Contaminant Level.

MCL2 = National Secondary Drinking Water Regulation Maximum Contaminant Level.

SGWC1 = Washington State Primary Groundwater Quality Criteria.

SGWC2 = Washington State Secondary Groundwater Quality Criteria.

[1]MCL2 for manganese is 0.05 mg/L. Converted standards to µg/L in the table.

Natural background for arsenic in the Puget Sound Basin is 8 µg/L (Ecology, 2022).

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-2
Regional Aquifer: Summary of Groundwater Quality Criteria Exceedances

April 1, 2025 to June 30, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
Upgradient						
pH, Field	pH units	MW-76	4/2/2025	6.25	MCL2; SGWC2	< 6.5
Arsenic, Total	µg/L	MW-21	4/23/2025	1.090	SGWC1	0.05
		MW-24	4/2/2025	0.578		
		MW-56	4/2/2025	0.078		
		MW-59	4/3/2025	0.384		
		MW-64	4/14/2025	1.350		
		MW-65	4/3/2025	0.864		
		MW-66	4/23/2025	0.684		
		MW-73	4/23/2025	0.721		
		MW-76	4/9/2025	0.220		
		MW-81	4/10/2025	0.528		
		MW-82	4/2/2025	0.327		
		MW-83	4/2/2025	0.331		
		MW-84	4/10/2025	0.340		
		MW-94	4/2/2025	0.106		
		MW-113	4/3/2025	0.578		
		MW-114	4/3/2025	0.270		
		MW-115	4/9/2025	0.173		
Iron, Total	mg/L	MW-21	4/23/2025	3.33	MCL2; SGWC2	0.3
		MW-24	4/2/2025	3.34		
		MW-59	4/3/2025	4.51		
		MW-65	4/3/2025	6.46		
		MW-72	4/24/2025	5.68		
		MW-113	4/3/2025	1.46		
Manganese, Total	µg/L	MW-21	4/23/2025	134	MCL2; SGWC2	50[1]; 50
		MW-24	4/2/2025	113		
		MW-56	4/2/2025	173		
		MW-59	4/3/2025	136		
		MW-64	4/14/2025	134		
		MW-65	4/3/2025	322		
		MW-93	4/29/2025	350		
		MW-95	4/9/2025	197		
		MW-113	4/3/2025	467		
Trichloroethene	µg/L	MW-76	4/9/2025	6.56	MCL1; SGWC1	5; 3
		MW-82	4/2/2025	4.28		
		MW-114	4/3/2025	10.40	SGWC1	3
		MW-115	4/9/2025	4.66		
Vinyl Chloride	µg/L	MW-54	4/11/2025	0.034 D	SGWC1	0.02
		MW-65	4/3/2025	0.032 D		

Table F-2
Regional Aquifer: Summary of Groundwater Quality Criteria Exceedances

April 1, 2025 to June 30, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
Downgradient						
Arsenic, Total	µg/L	MW-68	4/16/2025	26.8	MCL1; SGWC1	10[1]; 0.05
		MW-67	4/14/2025	2.74	SGWC1	0.05
		MW-72	4/24/2025	0.202		
		MW-74R	4/7/2025	0.323		
		MW-75	4/7/2025	0.387		
		MW-80	4/16/2025	3.36		
		MW-85	4/7/2025	0.677		
		MW-86	4/10/2025	1.23		
		MW-87	4/24/2025	0.753		
		MW-88	4/10/2025	1.03		
		MW-89	4/10/2025	1.12		
		MW-93	4/29/2025	1.46		
		MW-95	4/9/2025	0.987		
		MW-100	4/29/2025	1.97		
Iron, Total	mg/L	MW-67	4/14/2025	2.85 D	MCL2; SGWC2	0.3
		MW-68	4/16/2025	1.67		
		MW-75	4/7/2025	3.3		
		MW-80	4/16/2025	2.67		
		MW-86	4/10/2025	1.24 D		
		MW-87	4/24/2025	5.23		
		MW-89	4/10/2025	2.23 D		
		MW-100	4/29/2025	2.4		
Manganese, Total	µg/L	MW-67	4/14/2025	488	MCL2; SGWC2	50[1]; 50
		MW-68	4/16/2025	290		
		MW-72	4/24/2025	333		
		MW-74R	4/7/2025	157		
		MW-75	4/7/2025	296		
		MW-80	4/16/2025	384		
		MW-87	4/24/2025	512		
		MW-89	4/10/2025	378		
		MW-100	4/29/2025	118		

[1]MCL1 for arsenic is 0.010 mg/L. MCL2 for manganese is 0.05 mg/L. Converted standards to µg/L in the table.

MCL1 = National Primary Drinking Water Regulation Maximum Contaminant Level.

MCL2 = National Secondary Drinking Water Regulation Maximum Contaminant Level.

SGWC1 = Washington State Primary Groundwater Quality Criteria.

SGWC2 = Washington State Secondary Groundwater Quality Criteria.

Natural background for arsenic in the Puget Sound Basin is 8 µg/L (Ecology, 2022).

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-2
Regional Aquifer: Summary of Groundwater Quality Criteria Exceedances

July 1, 2025 to September 30, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
Upgradient						
pH, Field	pH units	MW-83	7/15/2025	6.48	MCL2; SGWC2	< 6.5
		MW-94	7/15/2025	6.40		
Arsenic, Total	µg/L	MW-59	7/15/2025	0.418	SGWC1	0.05
		MW-66	7/14/2025	0.685		
		MW-81	7/14/2025	0.565		
		MW-83	7/15/2025	0.33		
		MW-84	7/14/2025	0.326		
		MW-94	7/15/2025	0.0993		
		MW-113	7/14/2025	0.504		
		MW-114	7/14/2025	0.259		
		MW-115	7/14/2025	0.169		
Iron, Total	mg/L	MW-59	7/15/2025	5.18	MCL2; SGWC2	0.3
		MW-113	7/14/2025	1.35		
Manganese, Total	µg/L	MW-59	7/15/2025	130	MCL2; SGWC2	50[1]; 50
		MW-93	7/15/2025	289		
		MW-113	7/14/2025	452		
Trichloroethene	µg/L	MW-114	7/14/2025	10.20	MCL1; SGWC1	5; 3
		MW-115	7/14/2025	4.06	SGWC1	3
Downgradient						
Arsenic, Total	µg/L	MW-68	7/28/2025	23.5	MCL1; SGWC1	10[1]; 0.05
		MW-72	7/17/2025	0.425	SGWC1	0.05
		MW-74R	7/10/2025	0.328		
		MW-75	7/11/2025	0.414		
		MW-80	7/28/2025	3.17		
		MW-85	7/14/2025	0.696		
		MW-87	7/10/2025	0.654		
Iron, Total	mg/L	MW-68	7/28/2025	1.85	MCL2; SGWC2	0.3
		MW-72	7/17/2025	8.11		
		MW-74R	7/10/2025	0.327		
		MW-75	7/11/2025	3.5		
		MW-80	7/28/2025	2.64		
		MW-87	7/10/2025	5.19		

Table F-2
Regional Aquifer: Summary of Groundwater Quality Criteria Exceedances

July 1, 2025 to September 30, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
Downgradient						
Manganese, Total	µg/L	MW-68	7/28/2025	307	MCL2; SGWC2	50[1]; 50
		MW-72	7/17/2025	364		
		MW-74R	7/10/2025	152		
		MW-75	7/11/2025	294		
		MW-80	7/28/2025	398		
		MW-87	7/10/2025	512		

[1]MCL1 for arsenic is 0.010 mg/L. MCL2 for manganese is 0.05 mg/L. Converted standards to µg/L in the table.

MCL1 = National Primary Drinking Water Regulation Maximum Contaminant Level.

MCL2 = National Secondary Drinking Water Regulation Maximum Contaminant Level.

SGWC1 = Washington State Primary Groundwater Quality Criteria.

SGWC2 = Washington State Secondary Groundwater Quality Criteria.

Natural background for arsenic in the Puget Sound Basin is 8 µg/L (Ecology, 2022).

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-2
Regional Aquifer: Summary of Groundwater Quality Criteria Exceedances

October 1, 2025 to December 31, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
Upgradient						
pH, Field	pH units	MW-76	10/8/2025	6.36	MCL2; SGWC2	< 6.5
		MW-82	10/8/2025	6.44		
		MW-83	10/9/2025	6.44		
		MW-94	10/9/2025	6.49		
		MW-115	10/8/2025	6.28		
Arsenic, Total	µg/L	MW-21	10/2/2025	1.030	SGWC1	0.05
		MW-24	10/15/2025	0.578		
		MW-56	10/15/2025	0.081		
		MW-59	10/15/2025	0.436		
		MW-60	10/15/2025	0.165		
		MW-64	10/15/2025	2.280		
		MW-65	10/15/2025	1.390		
		MW-66	10/15/2025	0.699		
		MW-73	10/2/2025	0.699		
		MW-76	10/8/2025	0.231		
		MW-81	10/6/2025	0.493		
		MW-82	10/8/2025	0.265		
		MW-83	10/9/2025	0.361		
		MW-84	10/16/2025	0.329		
		MW-94	10/9/2025	0.103		
		MW-95	10/8/2025	0.982		
		MW-113	10/8/2025	0.541		
		MW-114	10/8/2025	0.268		
		MW-115	10/8/2025	0.181		
Iron, Total	mg/L	MW-21	10/2/2025	2.86	MCL2; SGWC2	0.3
		MW-24	10/15/2025	3.74		
		MW-59	10/15/2025	4.86		
		MW-64	10/15/2025	0.48		
		MW-65	10/15/2025	7.17		
		MW-113	10/8/2025	1.48		
Manganese, Total	µg/L	MW-21	10/2/2025	124	MCL2; SGWC2	50[1]; 50
		MW-24	10/15/2025	124		
		MW-56	10/15/2025	219		
		MW-59	10/15/2025	116		
		MW-64	10/15/2025	224		
		MW-65	10/15/2025	333		
		MW-95	10/8/2025	131		
		MW-113	10/8/2025	489		
Trichloroethene	µg/L	MW-76	10/8/2025	5.87	MCL1; SGWC1	5; 3
		MW-114	10/8/2025	9.25		
		MW-82	10/8/2025	3.62	SGWC1	3
		MW-115	10/8/2025	4.06		
Vinyl Chloride	µg/L	MW-54	10/14/2025	0.038 D	SGWC1	0.02
		MW-65	10/15/2025	0.026 D		

Table F-2
Regional Aquifer: Summary of Groundwater Quality Criteria Exceedances

October 1, 2025 to December 31, 2025

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
Downgradient						
Arsenic, Total	µg/L	MW-68	10/21/2025	61	MCL1; SGWC1	10[1]; 0.05
		MW-67	10/6/2025	1.13	SGWC1	0.05
		MW-74R	10/16/2025	0.361		
		MW-75	10/16/2025	0.404		
		MW-80	10/22/2025	3.38		
		MW-85	10/6/2025	0.711		
		MW-87	10/16/2025	0.592		
		MW-88	10/2/2025	0.942		
		MW-89	10/2/2025	1.04		
Iron, Total	mg/L	MW-67	10/6/2025	0.411	MCL2; SGWC2	0.3
		MW-68	10/21/2025	0.363		
		MW-74R	10/16/2025	0.836		
		MW-75	10/16/2025	3.25		
		MW-80	10/22/2025	2.65		
		MW-86	10/16/2025	1.3		
		MW-87	10/16/2025	5.02		
		MW-89	10/2/2025	2.4		
Manganese, Total	µg/L	MW-67	10/6/2025	218	MCL2; SGWC2	50[1]; 50
		MW-68	10/6/2025	336		
		MW-74R	10/16/2025	283		
		MW-75	10/16/2025	307		
		MW-80	10/22/2025	396		
		MW-87	10/16/2025	538 D		
		MW-89	10/2/2025	376		

[1]MCL2 for manganese is 0.05 mg/L. Converted standards to µg/L in the table.

MCL1 = National Primary Drinking Water Regulation Maximum Contaminant Level.

MCL2 = National Secondary Drinking Water Regulation Maximum Contaminant Level.

SGWC1 = Washington State Primary Groundwater Quality Criteria.

SGWC2 = Washington State Secondary Groundwater Quality Criteria.

Natural background for arsenic in the Puget Sound Basin is 8 µg/L (Ecology, 2022).

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-3
Perched Zones: Summary of Intrawell Prediction Limit Exceedances

January 1, 2025 to March 31, 2025

Parameter	Units	Well ID	Sample Date	Sample Value	Prediction Limit (PL) Value
Antimony, Total	µg/L	MW-109	1/15/2025	3.00	1.84
Chromium, Total	µg/L	MW-112	1/21/2025	1.54	1.07
Selenium, Total	µg/L	MW-109	1/15/2025	4.94	4.42
		MW-112	1/21/2025	0.59	0.5

April 01, 2025 - June 30, 2025

Parameter	Units	Well ID	Sample Date	Sample Value	Prediction Limit (PL) Value
Selenium, Total	µg/L	MW-108	4/22/2025	0.548	0.5

July 1, 2025 to September 30, 2025

Parameter	Units	Well ID	Sample Date	Sample Value	Prediction Limit (PL) Value
None during 3rd Quarter 2025					

October 1, 2025 to December 31, 2025

Parameter	Units	Well ID	Sample Date	Sample Value	Prediction Limit (PL) Value
Barium, Total	µg/L	MW-30A	10/27/2025	11.3	8.09
1,1-Dichloroethane	µg/L	MW-30A	10/27/2025	3	2.59
Vinyl Chloride	µg/L	MW-30A	10/27/2025	0.0447 D	0.02

See Appendix A for Unit Definitions

Table F-4
Regional Aquifer: Summary of Intrawell Prediction Limit Exceedances

January 1, 2025 to March 31, 2025

Parameter	Units	Well ID	Sample Date	Sample Value	Prediction Limit (PL) Value
Cis-1,2-Dichloroethene	µg/L	MW-59	1/7/2025	1.67	1.48

April 01, 2025 - June 30, 2025

Parameter	Units	Well ID	Sample Date	Sample Value	Prediction Limit (PL) Value
Chromium, Total	ug/L	MW-82	4/2/2025	4.88	3.53
Zinc, Total	ug/L	MW-82	4/2/2025	2.59	2
Cis-1,2-Dichloroethene	µg/L	MW-59	4/3/2025	1.59	1.48

July 1, 2025 to September 30, 2025

Parameter	Units	Well ID	Sample Date	Sample Value	Prediction Limit (PL) Value
Barium, Total	ug/L	MW-72	7/17/2025	17.2	16.2
Selenium, Total	ug/L	MW-66	7/14/2025	1.05	1.04
Zinc, Total	µg/L	MW-72	7/17/2025	23.2	20.1

October 1, 2025 to December 31, 2025

Parameter	Units	Well ID	Sample Date	Sample Value	Prediction Limit (PL) Value
Barium	ug/L	MW-24	10/15/2025	2.67	2.46
		MW-65	10/15/2025	9.12	8.74
		MW-74R	10/16/2025	22.0	15.9

See Appendix B for Unit Definitions

Table F-8
Perched Zones: Summary of Volatile Organic Compound Detections

January 1, 2025 to March 31, 2025

Parameter	Units	Well	Sample Date	Sample Value
1,1-Dichloroethane	µg/L	MW-30A	1/14/2025	1.82
		MW-47	1/15/2025	0.58
		MW-62	1/13/2025	0.160 JT
		MW-110	1/16/2025	0.25
1,2-Dichloroethane	µg/L	MW-110	1/16/2025	0.180 JT
1,2-Dichlorobenzene	µg/L	MW-110	1/16/2025	0.73
1,2-Dichloropropane	µg/L	MW-110	1/16/2025	0.22
1,4-Dichlorobenzene	µg/L	MW-107	1/21/2025	0.170 JT
		MW-110	1/16/2025	0.140 JT
Benzene	µg/L	MW-110	1/16/2025	0.31
Chlorobenzene	µg/L	MW-110	1/16/2025	0.52
Chloroethane	µg/L	MW-47	1/15/2025	0.20
		MW-110	1/16/2025	0.100 JT
Cis-1,2-Dichloroethene	µg/L	MW-30A	1/14/2025	2.19
		MW-47	1/15/2025	1.93
		MW-62	1/13/2025	0.34
		MW-110	1/16/2025	4.08
		MW-111	1/16/2025	0.170 JT
Dichlorodifluoromethane	µg/L	MW-47	1/15/2025	2.93
Tetrachloroethene	µg/L	MW-30A	1/14/2025	0.110 JT
Toluene	µg/L	MW-109	1/15/2025	170.00
Trans-1,2-Dichloroethene	µg/L	MW-110	1/16/2025	0.130 JT
Trichloroethene	µg/L	MW-30A	1/14/2025	0.78
		MW-111	1/16/2025	0.100 JT
Vinyl Chloride	µg/L	MW-47	1/15/2025	3.52 D
		MW-109	1/15/2025	0.130 DJT
		MW-110	1/16/2025	0.104 D

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-8
Perched Zones: Summary of Volatile Organic Compound Detections

April 1, 2025 - June 30, 2025

Parameter	Units	Well	Sample Date	Sample Value
1,1-Dichloroethane	µg/L	MW-30A	4/21/2025	2.10
		MW-47	4/17/2025	0.78
		MW-62	4/23/2025	0.26
		MW-101	4/23/2025	0.12 JT
		MW-110	4/16/2025	0.26
1,2-Dichlorobenzene	µg/L	MW-110	4/16/2025	0.86
1,2-Dichloroethane	µg/L	MW-47	4/17/2025	0.15 JT
		MW-110	4/16/2025	0.23
1,2-Dichloropropane	µg/L	MW-110	4/16/2025	0.21
1,4-Dichlorobenzene	µg/L	MW-107	4/16/2025	0.24
		MW-110	4/16/2025	0.21
Benzene	µg/L	MW-109	4/18/2025	1.20
		MW-110	4/16/2025	0.48 JT
Chlorobenzene	µg/L	MW-110	4/16/2025	0.89
Chloroethane	µg/L	MW-47	4/17/2025	0.19 JT
		MW-110	4/16/2025	0.12 JT
Cis-1,2-Dichloroethene	ug/L	MW-30A	4/21/2025	1.82
		MW-47	4/17/2025	3.17
		MW-62	4/23/2025	0.4
		MW-101	4/23/2025	0.14 JT
		MW-110	4/16/2025	4.11
		MW-111	4/16/2025	0.11 JT
Dichlorodifluoromethane	µg/L	MW-47	4/17/2025	2.68
Tetrachloroethene	ug/L	MW-76	4/9/2025	0.29
Toluene	µg/L	MW-109	4/18/2025	458
Trans-1,2-Dichloroethene	µg/L	MW-110	4/16/2025	0.203
Trichloroethene	ug/L	MW-30A	4/21/2025	0.682
		MW-110	4/16/2025	0.1 JT

Table F-8
Perched Zones: Summary of Volatile Organic Compound Detections

April 1, 2025 - June 30, 2025

Parameter	Units	Well	Sample Date	Sample Value
Vinyl Chloride	ug/L	MW-30A	4/21/2025	0.01 DJT
		MW-47	4/17/2025	3.01 D
		MW-101	4/23/2025	0.253 D
		MW-109	4/18/2025	1.23 D
		MW-110	4/16/2025	0.168 D

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-8
Perched Zones: Summary of Volatile Organic Compound Detections

July 1, 2025 to September 30, 2025

Parameter	Units	Well	Sample Date	Sample Value
1,1-Dichloroethane	µg/L	MW-30A	7/28/2025	1.95
		MW-47	7/29/2025	0.495
		MW-101	7/16/2025	0.11 JT
		MW-102	7/17/2025	0.12 JT
		MW-110	7/21/2025	0.212
1,1-Dichlorobenzene	µg/L	MW-109	7/22/2025	0.314
		MW-110	7/21/2025	0.823
1,2-Dichloroethane	µg/L	MW-101	7/16/2025	0.17 JT
		MW-110	7/21/2025	0.226
1,2-Dichloropropane	µg/L	MW-110	7/21/2025	0.2 JT
1,4-Dichlorobenzene	µg/L	MW-107	7/17/2025	0.12 JT
		MW-109	7/22/2025	0.694
		MW-110	7/21/2025	0.18 JT
Benzene	µg/L	MW-109	7/22/2025	0.544
		MW-110	7/21/2025	0.503
Chlorobenzene	µg/L	MW-109	7/22/2025	0.659
		MW-110	7/21/2025	0.952
Chloroethane	µg/L	MW-47	7/29/2025	0.15 JT
		MW-101	7/16/2025	0.11 JT
		MW-110	7/21/2025	0.1 JT
Cis-1,2-Dichloroethene	µg/L	MW-30A	7/28/2025	1.88
		MW-47	7/29/2025	1.12
		MW-101	7/16/2025	0.21
		MW-109	7/22/2025	0.15 JT
		MW-110	7/21/2025	4.32
Dichlorodifluoromethane	µg/L	MW-47	7/29/2025	2.21
Ethylbenzene	µg/L	MW-109	7/22/2025	0.18 JT
M & P Xylene	µg/L	MW-109	7/22/2025	0.17 JT
Tetrachloroethene	µg/L	MW-30A	7/28/2025	0.12 JT
Toluene	µg/L	MW-109	7/22/2025	2.77

Table F-8
Perched Zones: Summary of Volatile Organic Compound Detections

July 1, 2025 to September 30, 2025

Parameter	Units	Well	Sample Date	Sample Value
Trans-1,2-Dichloroethene	µg/L	MW-110	7/21/2025	0.224
Trichloroethene	µg/L	MW-110	7/21/2025	0.11 JT
		MW-30A	7/28/2025	0.72
Vinyl Chloride	µg/L	MW-47	7/29/2025	3.23 D
		MW-101	7/16/2025	0.213 D
		MW-109	7/22/2025	0.155 D
		MW-110	7/21/2025	0.17 D

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-8
Perched Zones: Summary of Volatile Organic Compound Detections

October 1, 2025 to December 31, 2025

Parameter	Units	Well	Sample Date	Sample Value
1,1-Dichloroethane	µg/L	MW-30A	10/27/2025	3
		MW-47	10/27/2025	0.566
		MW-101	10/27/2025	0.12 JT
		MW-110	10/20/2025	0.19 JT
1,1-Dichlorobenzene	µg/L	MW-110	10/20/2025	0.852
1,2-Dichloroethane	µg/L	MW-101	10/27/2025	0.12 JT
		MW-110	10/20/2025	0.15 JT
1,2-Dichloropropane	µg/L	MW-110	10/20/2025	0.17 JT
1,4-Dichlorobenzene	µg/L	MW-110	10/20/2025	0.17 JT
Benzene	µg/L	MW-110	10/20/2025	0.492
Chlorobenzene	µg/L	MW-110	10/20/2025	1
Chloroethane	µg/L	MW-47	10/27/2025	0.16 JT
		MW-101	10/27/2025	0.11 JT
Cis-1,2-Dichloroethene	µg/L	MW-30A	10/27/2025	4.72
		MW-47	10/27/2025	1.1
		MW-101	10/27/2025	0.217
		MW-110	10/20/2025	3.3
Dichlorodifluoromethane	µg/L	MW-47	10/27/2025	2.4
Trans-1,2-Dichloroethene	µg/L	MW-30A	10/27/2025	0.14 JT
		MW-110	10/20/2025	0.16 JT
Trichloroethene	µg/L	MW-30A	10/27/2025	0.46
		MW-110	10/20/2025	0.1 JT
Vinyl Chloride	µg/L	MW-30A	10/27/2025	0.0447 D
		MW-47	10/27/2025	2.87 D
		MW-101	10/27/2025	0.199 D
		MW-107	10/22/2025	0.0419 D
		MW-110	10/20/2025	0.113 D

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-9
Regional Aquifer: Summary of Volatile Organic Compounds

January 1, 2025 to March 31, 2025

Parameter	Units	Well	Sample Date	Sample Value
Cis-1,2-Dichloroethene	µg/L	MW-59	1/17/2023	1.26
Trichloroethene	µg/L	MW-115	1/12/2023	4.77
		MW-114	1/12/2023	9.12
		MW-94	1/17/2023	1.87
		MW-83	1/17/2023	1.98

April 1, 2025 - June 30, 2025

Parameter	Units	Well	Sample Date	Sample Value
Cis-1,2-Dichloroethene	µg/L	MW-56	4/2/2025	1.09
		MW-59	4/3/2025	1.59
		MW-76	4/9/2025	0.228
Tetrachloroethene	µg/L	MW-76	4/9/2025	0.293 G
Trichloroethene	µg/L	MW-76	4/9/2025	6.56
		MW-82	4/2/2025	4.28
		MW-83	4/2/2025	1.8
		MW-94	4/2/2025	1.92
		MW-114	4/3/2025	10.4
		MW-115	4/9/2025	4.66
Vinyl Chloride	µg/L	MW-65	4/3/2025	0.0321 D

July 1, 2025 to September 30, 2025

Parameter	Units	Well	Sample Date	Sample Value
Cis-1,2-Dichloroethene	µg/L	MW-59	7/15/2025	1.48
Trichloroethene	µg/L	MW-83	7/15/2025	2.56
		MW-94	7/15/2025	1.96
		MW-114	7/14/2025	10.20
		MW-115	7/14/2025	4.36

Table F-9
Regional Aquifer: Summary of Volatile Organic Compounds

October 1, 2025 to December 31, 2025

Parameter	Units	Well	Sample Date	Sample Value
Cis-1,2-Dichloroethene	µg/L	MW-56	10/15/2025	0.966
		MW-59	10/15/2025	1.4
Tetrachloroethene	µg/L	MW-76	10/8/2025	0.376
Trichloroethene	µg/L	MW-76	10/8/2025	5.87
		MW-82	10/8/2025	3.62
		MW-83	10/9/2025	1.85
		MW-94	10/9/2025	1.8
		MW-114	10/8/2025	9.25
		MW-115	10/8/2025	4.06
Vinyl Chloride	µg/L	MW-65	10/15/2025	0.0263 D

See Appendix A for Data Qualifier Information and Unit Definitions

Table F-11
VTRP, Field, and Method Blank VOC Detections

January 1, 2025 to March 31, 2025

Parameter	Units	Well	Sample Date	Samlpe ID	Sample Value
Ethane	ug/L	METHOD BLANK	1/27/2025	1702467BLANK	0.95 J
Ethylene	ug/L	METHOD BLANK	1/27/2025	1702467BLANK	0.95 J
		METHOD BLANK	1/28/2025	1702995BLANK	0.9 J
Methane	ug/L	METHOD BLANK	1/15/2025	W109250115F	4 J

April 1, 2025 to June 30, 2025

Parameter	Units	Well	Sample Date	Samlpe ID	Sample Value
None during 2nd Quarter 2025					

July 1, 2025 to September 30, 2025

Parameter	Units	Well	Sample Date	Samlpe ID	Sample Value
Chloromethane	ug/L	VOA TRIP BLANK	7/21/2025	VTRP250721Y	0.482

October 1, 2025 to December 31, 2025

Parameter	Units	Well	Sample Date	Samlpe ID	Sample Value
None during 4th Quarter 2025					

MCL1 = National Primary Drinking Water Regulation Maximum Contaminant Level.

SGWC1 = Washington State Primary Groundwater Quality Criteria.

See Appendix A for Data Qualifier Information and Unit Definitions

APPENDIX G

Surface Water Data

Field Parameters
Conventional Parameters
Dissolved and Total Metals
Volatile Organic Compounds
Semi-volatile Organics
Pesticides & Herbicides
PFAS Parameters
Appendix III Parameters

Table G-1
Surface Water – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	mV	pH units	µmhos/cm	deg C	NTU
SW-A7W	2025-01-08	SA7W250108E	8.05	108.1	7.68	619	7.8	1.36
SW-E1	2025-01-14	SE1-250114Q	10.06	--	6.55	40.9	4.822	1.77
SW-TD1	2025-03-24	STD1250324-	10.45	--	7.21	73.5	11.226	4.51
SW-GS1	2025-01-31	SGS1250131P	--	--	7.25	--	5.2	8.14
SW-N4	2025-01-31	SN4-250131P	--	--	7.18	--	5.114	2.53
SW-SL3	2025-01-31	SSL3250131P	--	--	7.43	--	4.703	30.2
SW-SL3	2025-02-19	SSL3250219P	--	--	--	--	--	18.4

-- : Not part of sampling program.

Table G-1
Surface Water – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	pH units	µmhos/cm	deg C	NTU
SW-E1	2025-04-17	SE1-250417Q	9.06	6.62	44.1	7.168	5.05
SW-GS1	2025-05-19	SGS1250519P	--	6.95	--	11.774	2.74
SW-N4	2025-06-24	SN4-250624P	--	7.52	--	14.909	--

-- : Not part of sampling program.

Table G-1
Surface Water – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	pH units	µmhos/cm	deg C	NTU
SW-E1	2025-12-02	SE1-251202Q	7.401	5.59	44.6	3.6	16.7
SW-TD1	2025-10-01	STD1251001-	9.08	6.74	13.341	13.339	76.7
SW-GS1	2025-10-27	SGS1251027P	--	6.64	--	11.4	3.27
SW-N4	2025-10-27	SN4-251027P	--	6.75	--	9.286	78.2
SW-SL3	2025-11-03	SSL3251103P	--	6.53	--	10.093	16
SW-IN1	2025-10-01	SIN1251001P	--	7.25	--	15.029	20.1

-- : Not part of sampling program.

Table G-2
Surface Water – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Biological Oxygen Demand (5-day)	Chemical Oxygen Demand	Chloride
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	--	321	11.9	8.92	46.6	35.4
SW-E1	2025-01-14	SE1-250114Q	14.4	14.4	0.0047 T	--	--	1.76

Well	Sample Date	Sample ID	Coliforms, Fecal	Coliforms, Total	Cyanide	Fluoride	Hardness, Total	Nitrate + Nitrite as N
			cfu/100ml	cfu/100ml	mg/L	mg/L	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	390	3200	0.002 U	0.084 T	289	1.55
SW-E1	2025-01-14	SE1-250114Q	--	--	--	--	--	--

Well	Sample Date	Sample ID	Nitrate	Phosphorus, Soluble Reactive	Phosphorus, Total (As P)	Specific Conductance	Sulfate	Sulfide
			mg/L	mg/L	mg/L	µmhos/cm	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	--	0.222	0.277	823	53.2	0.012 T
SW-E1	2025-01-14	SE1-250114Q	0.236	--	--	44.4	1.54	--

Well	Sample Date	Sample ID	Total Dissolved Solids	Total Fats, Oils & Grease	Total Kjeldahl Nitrogen	Total Organic Carbon	Total Solids	Total Suspended Solids
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	--	2.7 U	13.6	17.2	--	1.7 T
SW-E1	2025-01-14	SE1-250114Q	40	--	--	3.29	41.3	1 U

Well	Sample Date	Sample ID	Total Volatile Solids	Volatile Suspended Solids
			mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	135	1.1 T
SW-E1	2025-01-14	SE1-250114Q	--	--

-- : Not part of sampling program.

Table G-2
Surface Water – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Total (as CaCO3)	Ammonia as N	Biological Oxygen Demand (5-day)	Chloride	Nitrate	Specific Conductance
			mg/L	mg/L	mg/L	mg/L	mg/L	µmhos/cm
SW-E1	2025-04-17	SE1-250417Q	18.1	0.0157	--	1.54	0.134	48.1
SW-GS1	2025-05-19	SGS1250519P	--	0.0461	2 U	--	--	--
SW-N4	2025-05-19	SN4-250519P	--	0.0037 T	2 U	--	--	--

Well	Sample Date	Sample ID	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
			mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-04-17	SE1-250417Q	1.03	37 T	3.41	45.3	14
SW-GS1	2025-05-19	SGS1250519P	--	--	--	--	1.5 T
SW-N4	2025-05-19	SN4-250519P	--	--	--	--	1.4 T

-- : Not part of sampling program.

Table G-2
Surface Water – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Total (as CaCO3)	Ammonia as N	Biological Oxygen Demand (5-day)	Chemical Oxygen Demand	Chloride	Cyanide
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	13.5	0.0077 T	--	--	2.34	0.002 U
SW-TD1	2025-10-01	STD1251001-	26	--	--	45.7	1.55	--
SW-GS1	2025-10-27	SGS1251027P	--	0.039	2 U	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	0.0587	2.34	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	0.0041 T	2 U	--	--	--

Well	Sample Date	Sample ID	Nitrate	Specific Conductance	Sulfate	Sulfide	Total Dissolved Solids	Total Organic Carbon
			mg/L	µmhos/cm	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	0.037 T	49.6	4.48	0.01 U	58.7	6.75
SW-TD1	2025-10-01	STD1251001-	--	--	12.5	--	--	15
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Total Solids	Total Suspended Solids
			mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	65	17.2
SW-TD1	2025-10-01	STD1251001-	--	--
SW-GS1	2025-10-27	SGS1251027P	--	0.51 T
SW-N4	2025-10-27	SN4-251027P	--	6.7
SW-SL3	2025-11-03	SSL3251103P	--	2.9

-- : Not part of sampling program.

Table G-3
Surface Water – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Aluminum, Dissolved	Aluminum, Total	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total
			mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.00859 BL	0.0208 BL	0.000418	0.000437	3.04	3.14
SW-E1	2025-01-14	SE1-250114Q	--	--	0.0003 U	0.0003 U	0.183	0.189
SW-GS1	2025-01-31	SGS1250131P	--	--	--	--	--	--
SW-N4	2025-01-31	SN4-250131P	--	--	--	--	--	--
SW-SL3	2025-01-31	SSL3250131P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	0.0373	0.0372	0.0001 U	0.0001 U	0.000074	0.000108
SW-E1	2025-01-14	SE1-250114Q	0.00298	0.00305	0.0001 U	0.0001 U	0.00005 U	0.00005 U
SW-GS1	2025-01-31	SGS1250131P	--	--	--	--	--	--
SW-N4	2025-01-31	SN4-250131P	--	--	--	--	--	--
SW-SL3	2025-01-31	SSL3250131P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Calcium, Dissolved	Calcium, Total	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	72.9	74.5	0.00264	0.00267	0.00212	0.00217
SW-E1	2025-01-14	SE1-250114Q	4.58	4.7	0.000237	0.000206	0.00005 U	0.00005 U
SW-GS1	2025-01-31	SGS1250131P	--	--	--	--	--	--
SW-N4	2025-01-31	SN4-250131P	--	--	--	--	--	--
SW-SL3	2025-01-31	SSL3250131P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Copper, Dissolved	Copper, Total	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	0.0083	0.00919	0.0329	0.0647	0.0001 U	0.0001 U
SW-E1	2025-01-14	SE1-250114Q	0.000758	0.000683	0.0381	0.0635	0.0001 U	0.0001 U
SW-GS1	2025-01-31	SGS1250131P	--	0.0032	--	--	--	--
SW-N4	2025-01-31	SN4-250131P	--	0.00679	--	--	--	--
SW-SL3	2025-01-31	SSL3250131P	--	0.00451	--	--	--	--

Table G-3
Surface Water – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	23.8	25	207	201	--	0.00005 U
SW-E1	2025-01-14	SE1-250114Q	1.03	1.01	3.61	9.43	0.00005 U	0.00005 U
SW-GS1	2025-01-31	SGS1250131P	--	--	--	--	--	--
SW-N4	2025-01-31	SN4-250131P	--	--	--	--	--	--
SW-SL3	2025-01-31	SSL3250131P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Nickel, Dissolved	Nickel, Total	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	0.00903	0.00928	11.2	11.7	0.0005 U	0.0005 U
SW-E1	2025-01-14	SE1-250114Q	0.00024	0.00024	0.452	0.45	0.0005 U	0.0005 U
SW-GS1	2025-01-31	SGS1250131P	--	--	--	--	--	--
SW-N4	2025-01-31	SN4-250131P	--	--	--	--	--	--
SW-SL3	2025-01-31	SSL3250131P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Silver, Dissolved	Silver, Total	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	0.00004 U	0.00004 U	35.6	37.2	0.000075 U	0.000075 U
SW-E1	2025-01-14	SE1-250114Q	0.00004 U	0.00004 U	2.57	2.36	0.000075 U	0.000075 U
SW-GS1	2025-01-31	SGS1250131P	--	--	--	--	--	--
SW-N4	2025-01-31	SN4-250131P	--	--	--	--	--	--
SW-SL3	2025-01-31	SSL3250131P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Tin, Dissolved	Tin, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-A7W	2025-01-08	SA7W250108E	0.0005 U	0.0005 U	0.00262	0.0027	0.00582	0.0083
SW-E1	2025-01-14	SE1-250114Q	--	--	0.000436	0.000445	0.00268	0.00173
SW-GS1	2025-01-31	SGS1250131P	--	--	--	--	--	0.0022 T
SW-N4	2025-01-31	SN4-250131P	--	--	--	--	--	0.0214
SW-SL3	2025-01-31	SSL3250131P	--	--	--	--	--	0.0107

Table G-3
Surface Water – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
SW-E1	2025-04-17	SE1-250417Q	0.0003 U	0.0003 U	0.253	0.296	0.0028	0.00364
SW-GS1	2025-05-19	SGS1250519P	--	--	--	--	--	--
SW-N4	2025-06-24	SN4-250624P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total	Calcium, Dissolved	Calcium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-04-17	SE1-250417Q	0.0001 U	0.0001 DU	0.00005 U	0.00005 U	5.06	5.1
SW-GS1	2025-05-19	SGS1250519P	--	--	--	--	--	--
SW-N4	2025-06-24	SN4-250624P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-04-17	SE1-250417Q	0.0002 U	0.000305	0.00005 U	0.000081	0.000577	0.000684
SW-GS1	2025-05-19	SGS1250519P	--	--	--	--	--	0.00329
SW-N4	2025-06-24	SN4-250624P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total	Magnesium, Dissolved	Magnesium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-04-17	SE1-250417Q	0.0527	0.131	0.0001 U	0.000172 D	1.11	1.11
SW-GS1	2025-05-19	SGS1250519P	--	--	--	--	--	--
SW-N4	2025-06-24	SN4-250624P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total	Nickel, Dissolved	Nickel, Total
			µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-04-17	SE1-250417Q	10.9	28	0.00005 U	0.00005 U	0.000212	0.000328
SW-GS1	2025-05-19	SGS1250519P	--	--	--	--	--	--
SW-N4	2025-06-24	SN4-250624P	--	--	--	--	--	--

Table G-3
Surface Water – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-04-17	SE1-250417Q	0.41	0.421	0.0005 U	0.0005 U	0.00004 U	0.00004 U
SW-GS1	2025-05-19	SGS1250519P	--	--	--	--	--	--
SW-N4	2025-06-24	SN4-250624P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total	Vanadium, Dissolved	Vanadium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-04-17	SE1-250417Q	2.69	2.64	0.000075 U	0.000075 DU	0.000347	0.000513
SW-GS1	2025-05-19	SGS1250519P	--	--	--	--	--	--
SW-N4	2025-06-24	SN4-250624P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L
SW-E1	2025-04-17	SE1-250417Q	0.000969	0.00162
SW-GS1	2025-05-19	SGS1250519P	--	0.0017 T
SW-N4	2025-06-24	SN4-250624P	--	0.0295

-- : Not part of sampling program.

Table G-3
Surface Water – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total	Barium, Dissolved	Barium, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	0.0003 U	0.0003 U	0.277	0.368	0.00486	0.0073
SW-TD1	2025-10-01	STD1251001-	--	--	--	--	--	--
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total	Calcium, Dissolved	Calcium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	0.0001 U	0.0001 U	0.00005 U	0.00005 U	5.27	5.34
SW-TD1	2025-10-01	STD1251001-	--	--	--	--	--	--
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total	Copper, Dissolved	Copper, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	0.000269	0.000502	0.000107	0.00027	0.00103	0.00125
SW-TD1	2025-10-01	STD1251001-	--	--	--	--	--	--
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	0.00289
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	0.00982
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	0.00766

Well	Sample Date	Sample ID	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total	Magnesium, Dissolved	Magnesium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	0.0845	0.335	0.000123	0.000378	1.2	1.09
SW-TD1	2025-10-01	STD1251001-	0.0493	2.12	--	--	--	--
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Table G-3
Surface Water – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total	Nickel, Dissolved	Nickel, Total
			µg/L	µg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	77.1	127	0.00005 U	0.00005 U	0.000322	0.000545
SW-TD1	2025-10-01	STD1251001-	--	--	--	--	--	--
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total	Silver, Dissolved	Silver, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	0.755	0.688	0.0005 U	0.0005 U	0.00004 U	0.00004 U
SW-TD1	2025-10-01	STD1251001-	--	--	--	--	--	--
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total	Tin, Dissolved	Tin, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	2.62	2.59	0.000075 U	0.000075 U	0.0005 U	0.0005 U
SW-TD1	2025-10-01	STD1251001-	--	--	--	--	--	--
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L
SW-E1	2025-12-02	SE1-251202Q	0.000869	0.0013	0.00245	0.00378
SW-TD1	2025-10-01	STD1251001-	--	--	--	--
SW-GS1	2025-10-27	SGS1251027P	--	--	--	0.0014 T
SW-N4	2025-10-27	SN4-251027P	--	--	--	0.0164
SW-SL3	2025-11-03	SSL3251103P	--	--	--	0.0065

Table G-4
Surface Water – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane	1,1,2,2-Tetra-chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U
SW-E1	2025-01-14	SE1-250114Q	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U

Well	Sample Date	Sample ID	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane	1,2,3-Trichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U
SW-E1	2025-01-14	SE1-250114Q	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U

Well	Sample Date	Sample ID	1,4-Dichloro-benzene	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Acetone	Acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.1 U	4 U	4 U	4 U	5.9	0.08 DU
SW-E1	2025-01-14	SE1-250114Q	0.1 U	4 U	4 U	4 U	4 U	0.05 DU

Well	Sample Date	Sample ID	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform	Bromo-methane	Carbon Disulfide
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U
SW-E1	2025-01-14	SE1-250114Q	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U

Table G-4
Surface Water – Volatile Organic Compounds

Well	Sample Date	Sample ID	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane	Chloroform	Chloro-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U
SW-E1	2025-01-14	SE1-250114Q	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U

Well	Sample Date	Sample ID	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U
SW-E1	2025-01-14	SE1-250114Q	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U
SW-E1	2025-01-14	SE1-250114Q	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U
SW-E1	2025-01-14	SE1-250114Q	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Well	Sample Date	Sample ID	Vinyl Chloride
			µg/L
SW-A7W	2025-01-08	SA7W250108E	0.01 DU
SW-E1	2025-01-14	SE1-250114Q	0.01 DU

Table G-4
Surface Water – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane	1,1,2,2-Tetra-chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-04-17	SE1-250417Q	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U

Well	Sample Date	Sample ID	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane	1,2,3-Trichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-04-17	SE1-250417Q	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.2 U

Well	Sample Date	Sample ID	1,4-Dichloro-benzene	2-Butanone	2-Hexanone	4-Methyl-2-pentanone	Acetone	Acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-04-17	SE1-250417Q	0.1 U	4 U	4 U	4 U	4 U	0.05 DU

Well	Sample Date	Sample ID	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform	Bromo-methane	Carbon Disulfide
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-04-17	SE1-250417Q	0.1 U	0.1 U	0.2 U	0.2 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane	Chloroform	Chloro-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-04-17	SE1-250417Q	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U	0.2 U

Table G-4
Surface Water – Volatile Organic Compounds

Well	Sample Date	Sample ID	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-04-17	SE1-250417Q	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-04-17	SE1-250417Q	0.2 U	2 U	0.1 U	0.1 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-04-17	SE1-250417Q	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Well	Sample Date	Sample ID	Vinyl Chloride
			µg/L
SW-E1	2025-04-17	SE1-250417Q	0.01 DU

Table G-4
Surface Water – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.1 U

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.2 U	0.1 U	0.1 U	0.1 U	4 U	4 U

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	5 DU	0.2 U	0.1 U	4 U	4 U	10 DU

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	2.5 U	0.05 DU	0.1 U	0.1 U	0.2 U	0.2 U

Table G-4
Surface Water – Volatile Organic Compounds

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.1 U	0.1 U	0.2 U	0.1 U	0.2 U	0.1 U

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.1 U	0.2 U	0.2 U	0.1 U	0.2 U	0.1 U

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.2 U	0.1 U	0.1 U	0.2 U	0.5 U	0.5 U

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	2 U	0.1 U	5 U	0.1 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.1 U	0.2 U	2.5 U	0.1 U	0.1 U	0.2 U

Well	Sample Date	Sample ID	Vinyl Chloride
			µg/L
SW-E1	2025-12-02	SE1-251202Q	0.01 DU

Table G-5
Surface Water - Semi-volatiles

Well	Sample Date	Sample ID	Benzoic Acid	Phenol
			µg/L	µg/L
SW-E1	2025-04-17	SE1-250417Q	--	--
SW-GS1	2025-05-19	SGS1250519P	9.7 U	0.49 U
SW-N4	2025-05-19	SN4-250519P	10 U	0.5 U

-- : Not part of sampling program.

Table G-5
Surface Water - Semi-volatiles

Well	Sample Date	Sample ID	1,2-Dichloro-benzene	1,2-Diphenyl hydrazine	1,2,4-Trichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	2-Chloro-naphthalene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.1 U	0.21 U	0.52 U	0.1 U	0.1 U	0.52 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Nitro-aniline	2-Nitro-phenol	2,2-Oxybis (1-Chloro-propane)
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.52 U	0.024 U	0.52 U	1 U	0.21 U	0.52 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	2,4-Dichloro-phenol	2,4-Dimethyl-phenol	2,4-Dinitro-phenol	2,4-Dinitro-toluene	2,4,5-Trichloro-phenol	2,4,6-Trichloro-phenol
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.52 U	2.1 U	10 U	1 U	1 U	1 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Table G-5
Surface Water - Semi-volatiles

Well	Sample Date	Sample ID	2,6-Dinitro-toluene	3-Nitro-aniline	3,3-Dichloro-benzidine	4-Bromo-phenyl Phenyl Ether	4-Chloro-3-Methyl-phenol	4-Chlorophenyl Phenyl Ether
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	1 U	1 U	0.21 U	0.52 U	0.52 U	0.52 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	4-Nitro-aniline	4-Nitro-phenol	4,6-Dinitro-2-Methyl-phenol	Acena-phthylene	Acena-pthalene	Anthra-cene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	5.2 U	5.2 U	1 U	0.024 U	0.024 U	0.048 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Benzo(A) Anthra-cene	Benzo(A) Pyrene	Benzo (G,H,I) Perylene	Benzoic Acid	Benzyl Alcohol	Bis (2-Chloroethoxy) Methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.048 U	0.00762 U	0.048 U	10 U	5.2 U	0.52 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	9.7 U	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	11 U	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	9.4 U	--	--

Table G-5
Surface Water - Semi-volatiles

Well	Sample Date	Sample ID	Bis (2-Chloroethyl) Ether	Bis (2-Ethylhexyl) Phthalate	Butyl-benzyl-phthalate	Chrysene	Di-N-Butyl-phthalate	Di-N-Octyl Phthalate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.0729 U	0.48 U	0.95 U	0.048 U	0.95 U	0.95 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Dibenzo(A,H) Anthracene	Dibenzo-furan	Diethyl-phthalate	Dimethyl-phthalate	Fluor-anthene	Fluorene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.048 U	0.52 U	0.48 U	0.95 U	0.048 U	0.048 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexachloro-cyclo-pentadiene	Hexa-chloro-ethane	Indeno(1, 2,3-C,D) Pyrene	Isophorone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.21 U	2.1 U	5.2 U	5.2 U	0.048 U	0.52 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Table G-5
Surface Water - Semi-volatiles

Well	Sample Date	Sample ID	N-Nitroso-dimethyl-amine	N-Nitroso-diphenyl-amine	N-Nitroso-dipropyl-amine	Naph-thalene	Nitro-benzene	P-Chloro-aniline
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.52 U	0.52 U	0.52 U	0.024 U	0.52 U	1 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Penta-chloro-phenol	Phenanthrene	Phenol	Pyrene
			µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	1.04 U	0.048 U	0.52 U	0.048 U
SW-GS1	2025-10-27	SGS1251027P	--	--	0.49 U	--
SW-N4	2025-10-27	SN4-251027P	--	--	0.55 U	--
SW-SL3	2025-11-03	SSL3251103P	--	--	0.47 U	--

-- : Not part of sampling program.

Table G-6
Surface Water – Pesticides & Herbicides

Well	Sample Date	Sample ID	2,4-D	2,4,5-T	2,4,5-TP Silvex	4,4'DDD	4,4'DDE	4,4'DDT
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.05 U	0.05 U	0.05 U	0.005 U	0.005 U	0.005 U

Well	Sample Date	Sample ID	Aldrin	Alpha BHC	Alpha Chlordane	Aroclor 1016	Aroclor 1221	Aroclor 1232
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.005 U	0.005 U	0.005 U	0.025 U	0.025 U	0.025 U

Well	Sample Date	Sample ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Beta BHC	Delta BHC
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.025 U	0.025 U	0.025 U	0.025 U	0.00969	0.005 U

Well	Sample Date	Sample ID	Dieldrin	Dinoseb	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin Aldehyde
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U

Well	Sample Date	Sample ID	Endrin	Heptachlor Epoxide	Heptachlor	Isodrin	Lindane (Gamma BHC)	Methoxy-chlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.025 U

Well	Sample Date	Sample ID	Total Aroclors	Toxaphene	Trans-Chlordane
			µg/L	µg/L	µg/L
SW-A7W	2025-01-08	SA7W250108E	0.025 U	0.25 U	0.005 U

Table G-6
Surface Water – Pesticides & Herbicides

Well	Sample Date	Sample ID	2,4-D	2,4,5-T	2,4,5-TP Silvex	4,4'DDD	4,4'DDE	4,4'DDT
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.05 U	0.05 U	0.05 U	0.00472 U	0.00472 U	0.00472 U

Well	Sample Date	Sample ID	Aldrin	Alpha BHC	Alpha Chlordane	Aroclor 1016	Aroclor 1221	Aroclor 1232
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.00472 U	0.00472 U	0.00472 U	0.00625 U	0.00625 U	0.00625 U

Well	Sample Date	Sample ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Beta BHC	Delta BHC
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.00625 U	0.00625 U	0.00625 U	0.00625 U	0.00472 U	0.00472 U

Well	Sample Date	Sample ID	Dieldrin	Dinoseb	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin Aldehyde
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.00472 U	0.05 U	0.00472 U	0.00472 U	0.00472 U	0.00472 U

Well	Sample Date	Sample ID	Endrin	Heptachlor Epoxide	Heptachlor	Isodrin	Lindane (Gamma BHC)	Methoxy-chlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.00472 U	0.00472 U	0.00472 U	0.00472 U	0.00472 U	0.0236 U

Well	Sample Date	Sample ID	Total Aroclors	Toxaphene	Trans-Chlordane
			µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.00625 U	0.236 U	0.00472 U

Table G-7
Surface Water - PFAS

Well	Sample Date	Sample ID	Hfpo-Da	Pfbs	Pfhxs	Pfna	Pfoa	Pfos
			pg/L	pg/L	pg/L	pg/L	pg/L	pg/L
SW-GS1	2025-01-31	SGS1250131P	4950	13600	10600	4550	68000	13300
SW-N4	2025-01-31	SN4-250131P	5730	5850	8090	12000	98100	137000
SW-SL3	2025-01-31	SSL3250131P	4950	1440 J	1560	9170	45400	22900

Table G-7
Surface Water - PFAS

Well	Sample Date	Sample ID	Hfpo-Da	Pfbs	Pfhxs	Pfna	Pfoa	Pfos
			ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
SW-GS1	2025-05-19	SGS1250519P	4 U	10.5	11.8	5.03	65.3	20.3
SW-N4	2025-05-19	SN4-250519P	4.1 U	5.58	8.3	6.37	61.3	80.4

Table G-7
Surface Water - PFAS

Well	Sample Date	Sample ID	Hfpo-Da	Pfbs	Pfhxs	Pfna	Pfoa	Pfos
			ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
SW-GS1	2025-10-27	SGS1251027P	1.9 U	16.6	14.5	5.5	73.8	19.4
SW-N4	2025-10-27	SN4-251027P	1.9 U	6.94	3.49	9.7	152	19
SW-SL3	2025-11-03	SSL3251103P	1.8 U	2.85	3.67	6.35	63.3	20.5
SW-IN1	2025-10-01	SIN1251001P	1.9 U	15.3	3.24	8.7	101	14.9
SW-IS1	2025-10-24	SIS1251024D	7.9 U	6.3 T	4.4 T	6.5 T	48.7	12.8
SW-IS1	2025-10-24	SIS1251024P	2 U	7.42 D	4.2 DT	7.2 DT	50.1 D	15.7 D
SW-IS2	2025-11-07	SIS2251107P	2 U	2.95	3.92	7.69	72.3	23.8

Table G-8
Surface Water - Appendix III Parameters

Well	Sample Date	Sample ID	3-,4-Methylphenol Mixture	Alpha-Terpineol
			µg/L	µg/L
SW-GS1	2025-05-19	SGS1250519P	0.49 U	0.49 U
SW-N4	2025-05-19	SN4-250519P	0.5 U	0.5 U

Table G-8
Surface Water - Appendix III Parameters

Well	Sample Date	Sample ID	1-Naphthyl-amine	1,2,4,5-Tetrachloro-benzene	1,3,5-Trinitro-benzene	1,4-Naphtho-quinone	2-Acetylamino-fluorene	2-Naphthyl-amine
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	5.2 U	1 U	1 U	2.1 U	2.1 U	5.2 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	2,3,7,8-TCDD, Total	2,6-Dichloro-phenol	3-,4-Methylphenol Mixture	3-Methyl-chlora-nthrene	3,3'-Dimethyl-benzidine	4-Amino-biphenyl
			pg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	5.74	0.52 U	0.52 U	0.52 U	2.1 U	2.1 U
SW-GS1	2025-10-27	SGS1251027P	--	--	0.49 U	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	0.55 U	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	0.47 U	--	--	--

Well	Sample Date	Sample ID	4-Dimethyl-aminoazo-benzene	5-Nitro-O-Toluidine	7,12-Dimethyl-benz(A) Anthracene	Aceto-phenone	Alpha-Terpineol	Aniline
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	1 U	5.2 U	0.52 U	0.52 U	0.52 U	1 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	0.49 U	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	0.55 U	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	0.47 U	--

Table G-8
Surface Water - Appendix III Parameters

Well	Sample Date	Sample ID	Benzo(B,J,K) Fluorant	Chlord-econe (Kepone)	Chloro-benzilate	Chloro-phenols	Chloroprene	Cis-Diallate
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.048 U	2.1 U	0.52 U	1 U	0.2 U	0.0381 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Cyanide	Cygon	Diallate	Di-phenyl-amine	Disulfoton	Ethyl Meth-acrylate
			mg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.002 U	0.0952 U	0.0381 U	0.52 U	0.0381 U	0.2 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Ethyl Methane-sulfonate	Famphur	Fluorene	Hexachloropropene	Isosafrole	M-Dinitro-benzene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.52 U	0.0381 U	0.048 U	2.1 U	0.52 U	1 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Metha-pyrilene	Methyl Methane-sulfonate	Methyl Parathion	N-Nitroso-di-N-Butylamine	N-Nitroso-methylethal-amine	N-Nitroso-piper-idine
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	1 U	0.52 U	0.0381 U	0.521 U	1.04 U	1 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Table G-8
Surface Water - Appendix III Parameters

Well	Sample Date	Sample ID	N-Nitroso-pyrrol-idine	O-Toluidine	O,O-Diethyl O-Pyrazinyl Phosphoro-thioate	O,O,O-Triethyl Phosphoro-thioate	P-Phenylene-diamine	Parathion
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	1 U	0.208 U	0.0381 U	0.0381 U	10.4 GU	0.0381 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Penta-chloro-benzene	Penta-chloro-nitro-benzene	Phenacetin	Phent-ermine	Phorate	Propio-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.52 U	1 U	1 U	5.2 GU	0.0381 U	5 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--	--	--	--

Well	Sample Date	Sample ID	Prop-yzamide	Safrole	Trans-Diallate
			µg/L	µg/L	µg/L
SW-E1	2025-12-02	SE1-251202Q	0.0381 U	1 U	0.0381 U
SW-GS1	2025-10-27	SGS1251027P	--	--	--
SW-N4	2025-10-27	SN4-251027P	--	--	--
SW-SL3	2025-11-03	SSL3251103P	--	--	--

-- : Not part of sampling program.

APPENDIX H

Leachate Data

Field Parameters
Conventional Parameters
Dissolved and Total Metals
Volatile Organic Compounds
Pesticides & Herbicides

Table H-1
Leachate – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	Dissolved Sulfide, Field	pH, Field	Specific Conductance, Field	Temperature, Field
			mg/L	ppm	pH units	µmhos/cm	deg C
LS-LEPS	2025-01-07	LEPS250107P	--	<0.1	8.39	4725	9.4
LS-LEPS	2025-01-22	LEPS250122M	9.11	--	8.36	6194	7.4
LS-LEPS	2025-01-22	LEPS250122P	--	<0.1	8.36	6194	5.4
LS-LEPS	2025-01-28	LEPS250128P	--	<0.1	8.53	6327	4.8
LS-LEPS	2025-02-06	LEPS250206M	NA	<0.1	8.42	8189	7.2
LS-LEPS	2025-02-06	LEPS250206P	--	<0.1	8.42	8189	7.2
LS-LEPS	2025-02-11	LEPS250211P	--	<0.1	8.45	8509	7.5
LS-LEPS	2025-02-18	LEPS250218P	--	<0.1	8.26	8198	8.8
LS-LEPS	2025-02-25	LEPS250225P	--	<0.1	8.33	7060	12.9
LS-LEPS	2025-03-04	LEPS250304P	--	<0.1	8.25	5507	12
LS-LEPS	2025-03-12	LEPS250312P	0.7	<0.1	8.29	5239	11.4
LS-LEPS	2025-03-18	LEPS250318P	--	<0.1	8.23	5344	11.1
LS-LEPS	2025-03-25	LEPS250325M	2.03	--	8.24	4918	13.1
LS-LEPS	2025-03-25	LEPS250325P	--	<0.1	8.24	4918	13.1

Table H-1
Leachate – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	Dissolved Sulfide, Field	pH, Field	Specific Conductance, Field	Temperature, Field
			mg/L	ppm	pH units	µmhos/cm	deg C
LS-V1A	2025-01-22	LV1A250122M	8.83	--	8.31	7236	7.6
LS-V1A	2025-02-26	LV1A250206M	9.93	--	7.4	2921	7
LS-V1A	2025-03-25	LV1A250325M	8.47	--	7.19	1433	15.6
LS-CSW	2025-01-02	LCSW250102I	3.08	--	7.38	515	6.3
LS-CSW	2025-03-27	LCSW250327I	2.7	--	7.09	797	10.9
LS-PS4	2025-01-02	LP4-250102I	9.32	--	7.63	1622	12.4
LS-PS4	2025-02-04	LP4-250204I	9.99	--	7.45	658	9.9
LS-PS4	2025-03-27	LP4-250327I	36.9	--	6.72	437.6	12.8
LS-PS1A	2025-01-02	LP1A250102I	5.03	--	7.21	1232	12.9
LS-PS1A	2025-02-04	LP1A250204I	7.3	--	7.11	1769	11.3
LS-PS1A	2025-03-27	LP1A250327I	8.9	--	6.63	717	11.9
LS-PS2A	2025-01-22	LP2A250122M	10.31	--	6.49	223	7.9
LS-PS2A	2025-02-06	LP2A250206M	10.09	--	5.75	96.6	7.4
LS-PS2A	2025-03-25	LP2A250325M	10.34	--	5.59	77.5	11.6
LS-A567	2025-01-02	L567250102I	0.32	--	7.84	17728	28.8
LS-A567	2025-02-04	L567250204I	0.5	--	7.84	19615	30.5
LS-A567	2025-03-27	L567250327I	0.28	--	7.58	17446	30
LS-MH46N	2025-01-22	L46N250122D	2.38	--	7.2	6258	22.2
LS-MH46N	2025-01-22	L46N250122M	2.38	--	7.2	6258	22.2
LS-MH46N	2025-02-06	L46N250206M	1.59	--	7.14	6862	22.1
LS-MH46N	2025-03-25	L46N250325M	3.43	--	7.11	6451	24.2

-- : Not part of sampling program.

Table H-1
Leachate – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	Dissolved Sulfide, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	ppm	mV	pH units	µmhos/cm	deg C	NTU
LS-LEPS	2025-04-01	LEPS250401P	--	<0.1	--	8.23	3596	10.9	--
LS-LEPS	2025-04-08	LEPS250408P	--	<0.1	--	8.17	4330	13.7	--
LS-LEPS	2025-04-14	LEPS250414D	--	<0.1	--	8.2	4715	15.4	--
LS-LEPS	2025-04-14	LEPS250414M	4	--	--	8.2	4175	15.4	--
LS-LEPS	2025-04-14	LEPS250414P	--	<0.1	--	8.2	4715	15.4	--
LS-LEPS	2025-04-22	LEPS250422P	--	<0.1	--	8.28	4746	15	--
LS-LEPS	2025-04-29	LEPS250429P	--	<0.1	--	8.28	5311	13.5	--
LS-LEPS	2025-05-06	LEPS250506M	0.23	--	--	8.4	6679	15.7	--
LS-LEPS	2025-05-06	LEPS250506P	--	<0.1	--	8.4	6679	15.7	--
LS-LEPS	2025-05-12	LEPS250512P	--	<0.1	--	8.49	7290	14.4	--
LS-LEPS	2025-05-19	LEPS250519P	--	<0.1	--	8.58	7948	15.2	--
LS-LEPS	2025-05-27	LEPS250527P	--	<0.1	--	8.42	8878	18.4	--
LS-LEPS	2025-06-02	LEPS250602D	--	<0.1	--	8.59	9829	15.3	--
LS-LEPS	2025-06-02	LEPS250602I2	5.01	--	50.4	8.47	9648	17.4	347
LS-LEPS	2025-06-02	LEPS250602M	0.19	--	--	8.59	9829	15.3	--
LS-LEPS	2025-06-02	LEPS250602P	--	<0.1	--	8.59	9829	15.3	--
LS-LEPS	2025-06-09	LEPS250609P	--	<0.1	--	8.38	10240	21.9	--
LS-LEPS	2025-06-16	LEPS250616P	--	<0.1	--	8.59	10918	17.9	--
LS-LEPS	2025-06-23	LEPS250623P	--	<0.1	--	8.53	11731	18.7	--
LS-LEPS	2025-06-30	LEPS250630P	--	<0.1	--	8.49	12876	22.5	--

Table H-1
Leachate – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	Dissolved Sulfide, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	ppm	mV	pH units	µmhos/cm	deg C	NTU
LS-V1A	2025-04-15	LV1A250415M	4.74	--	--	7.98	3197	14.6	--
LS-V1A	2025-05-06	LV1A250506M	3.52	--	--	8.31	19476	24.3	--
LS-V1A	2025-06-02	LV1A250602I2	4.98	--	24.4	8.13	10171	18.3	329
LS-V1A	2025-06-03	LV1A250603M	1.97	--	--	8.14	19061	22.9	--
LS-CSW	2025-04-14	LCSW250414I	3.65	--	-58.7	7.57	654	13.3	57.2
LS-CSW	2025-06-02	LCSW250602I	3.65	--	128.3	7.87	3748	13.1	421
LS-CSW	2025-06-02	LCSW250602I2	3.65	--	128.3	7.87	3748	13.1	421
LS-PS4	2025-04-14	LP4-250414I	9.59	--	27.5	7.54	1557	13.1	18.3
LS-PS4	2025-05-07	LP4-250507I	7.75	--	29	7.84	5267	15.5	52.8
LS-PS4	2025-06-02	LP4-250602I	6.68	--	33.3	7.58	5284	16.5	73.7
LS-PS4	2025-06-02	LP4-250602I2	6.68	--	33.3	7.58	5284	16.5	73.7
LS-PS1A	2025-04-14	LP1A250414I	9.04	--	95.4	7.15	845	12.3	3.5
LS-PS1A	2025-05-07	LP1A250507I	5.8	--	75.2	7.27	1884	14.8	4.83
LS-PS1A	2025-06-02	LP1A250602D	3.56	--	16.5	7.83	5981	19	13.5
LS-PS1A	2025-06-02	LP1A250602I	3.56	--	16.5	7.83	5981	19	13.5
LS-PS1A	2025-06-02	LP1A250602I2	3.56	--	16.5	7.83	5981	19	13.5
LS-PS2A	2025-04-15	LP2A250415M	9.74	--	--	6	86.4	13.1	--
LS-PS2A	2025-05-05	LP2A250505M	9.82	--	--	5.95	111.8	12.1	--
LS-PS2A	2025-06-04	LP2A250604M	8.51	--	--	5.94	110.9	13.3	--
LS-A567	2025-04-14	L567250414I	0.48	--	-41.5	7.84	17834	28.2	104
LS-A567	2025-05-07	L567250507I	0.95	--	-7.6	7.87	20908	25.9	88
LS-A567	2025-06-02	L567250602I	1.17	--	-29.4	7.98	22668	30.3	72
LS-A567	2025-06-02	L567250602I2	1.17	--	-29.4	7.98	22668	30.3	72
LS-MH46N	2025-04-15	L46N250415M	3.2	--	--	7	5924	25.6	--
LS-MH46N	2025-05-05	L46N250505M	2.85	--	--	7.18	6186	22.5	--
LS-MH46N	2025-06-04	L46N250604M	1.81	--	--	7.04	8150	23.7	--

-- : Not part of sampling program.

Table H-1
Leachate – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	Dissolved Sulfide, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	ppm	mV	pH units	µmhos/cm	deg C	NTU
LS-LEPS	2025-07-08	LEPS250708M	--	--	--	8.66	13329	20.2	--
LS-LEPS	2025-07-08	LEPS250708P	--	<0.1	--	8.66	13329	20.2	--
LS-LEPS	2025-07-15	LEPS250715P	--	<0.1	--	8.59	13957	21.3	--
LS-LEPS	2025-07-16	LEPS250716P	--	<0.1	--	--	--	--	--
LS-LEPS	2025-07-17	LEPS250717E	--	<0.1	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	<0.1	--	8.64	14835	18.6	--
LS-LEPS	2025-07-24	LEPS250724E	--	<0.1	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	0.3	--	8.6	15091	20.7	--
LS-LEPS	2025-08-05	LEPS250805M	0.06	--	--	8.54	16001	22	--
LS-LEPS	2025-08-07	LEPS250807P	--	<0.1	--	8.68	15733	18	--
LS-LEPS	2025-08-12	LEPS250812P	--	<0.1	--	8.55	16257	22.9	--
LS-LEPS	2025-08-19	LEPS250819P	--	<0.1	--	8.67	16132	20.5	--
LS-LEPS	2025-09-09	LEPS250909M	0.06	--	--	8.66	16688	19.5	--
LS-LEPS	2025-09-23	LEPS250923P	--	<0.1	--	8.71	17315	17.3	--
LS-LEPS	2025-09-29	LEPS250929P	--	<0.1	--	8.71	16854	17.1	--
LS-V1A	2025-07-09	LV1A250709M	0.2	--	--	8.22	22173	22.7	--
LS-V1A	2025-08-05	LV1A250805M	1.73	--	--	7.92	19481	22.3	--
LS-V1A	2025-09-09	LV1A250909M	0.09	--	--	7.99	24529	23.5	--
LS-PS4	2025-07-10	LP4-250710I	7.37	--	132.1	8.01	5234	17.1	90.8
LS-PS4	2025-08-07	LP4-250807I	7.89	--	147.4	7.85	955	17	70.6
LS-PS1A	2025-07-10	LP1A250710I	3.65	--	132.3	8.11	8794	17.6	6.54
LS-PS1A	2025-08-07	LP1A250807I	0.81	--	-110.1	7.91	8619	18.9	12.6
LS-PS2A	2025-07-09	LP2A250709M	9.05	--	--	4.45	244.8	14	--
LS-PS2A	2025-08-05	LP2A250805M	9.15	--	--	3.26	466.9	15.2	--
LS-PS2A	2025-09-09	LP2A250909M	6.74	--	--	5.9	304.3	15.7	--
LS-A567	2025-07-10	L567250710I	0.72	--	5.9	8.08	26.059	32.6	167
LS-A567	2025-08-07	L567250807I	0.15	--	-17.2	8.12	27440	29.9	191
LS-A567	2025-09-11	L567250911I	0.48	--	-16.8	7.81	28036	28.5	213
LS-MH46N	2025-07-09	L46N250709M	2.16	--	--	7.19	10010	22	--
LS-MH46N	2025-08-05	L46N250805M	1.38	--	--	7.15	10959	25.6	--
LS-MH46N	2025-09-09	L46N250909M	3.6	--	--	7.25	10857	21.8	--

-- : Not part of sampling program.

Table H-1
Leachate – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	Dissolved Sulfide, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	ppm	mV	pH units	µmhos/cm	deg C	NTU
LS-LEPS	2025-10-07	LEPS251007M	4.72	--	--	8.66	17238	15.6	--
LS-LEPS	2025-10-07	LEPS251007P	--	<0.1	--	8.66	17238	15.6	--
LS-LEPS	2025-10-14	LEPS251014P	--	<0.1	--	8.78	17820	11.9	--
LS-LEPS	2025-10-21	LEPS251021P	--	--	--	8.83	18823.9	11.803	--
LS-LEPS	2025-10-23	LEPS251023E	--	<0.1	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	<0.1	--	8.5	17107	12	--
LS-LEPS	2025-11-04	LEPS251104P	--	<0.1	--	8.62	11364	11.6	--
LS-LEPS	2025-11-12	LEPS251112M	6.02	--	--	8.43	6449	12.7	--
LS-LEPS	2025-11-12	LEPS251112P	--	<0.1	--	8.43	6449	12.7	--
LS-LEPS	2025-11-17	LEPS251117P	--	<0.1	--	8.36	4615	9.7	--
LS-LEPS	2025-11-24	LEPS251124P	--	<0.1	--	8.3	4843	10.7	--
LS-LEPS	2025-12-02	LEPS251202P	--	<0.1	--	8.53	5239	8.7	--
LS-LEPS	2025-12-09	LEPS251209M	1.87	--	--	8.4	5852	11.3	--
LS-LEPS	2025-12-09	LEPS251209P	--	<0.1	--	8.4	5852	11.3	--
LS-LEPS	2025-12-10	LEPS251210I2	4.42	--	89.7	8.3	5380	12.9	204
LS-LEPS	2025-12-16	LEPS251215D	--	<0.1	--	8.27	4138	12.5	--
LS-LEPS	2025-12-16	LEPS251215P	--	<0.1	--	8.27	4138	12.5	--
LS-LEPS	2025-12-18	LEPS251218P	--	<0.1	--	8.18	3698	10.6	--
LS-LEPS	2025-12-22	LEPS251222P	--	<0.1	--	8.19	3632	8.8	--
LS-LEPS	2025-12-31	LEPS251231P	--	<0.1	--	8.45	4781	8.6	--

Table H-1
Leachate – Field Parameters

Well	Sample Date	Sample ID	Dissolved Oxygen, Field	Dissolved Sulfide, Field	ORP, Field	pH, Field	Specific Conductance, Field	Temperature, Field	Turbidity, Field
			mg/L	ppm	mV	pH units	µmhos/cm	deg C	NTU
LS-V1A	2025-10-07	LV1A251007M	5.06	--	--	8.29	21881	18.6	--
LS-V1A	2025-11-13	LV1A251113M	7.31	--	--	8.11	6317	16	--
LS-V1A	2025-12-10	LV1A251210M	9.38	--	--	7.88	3926	14.8	--
LS-V1A	2025-12-10	LV1A251210I2	9.38	--	--	7.88	3926	14.8	--
LS-CSW	2025-11-12	LCSW251112I	6.69	--	96	7.36	257.8	11	13.3
LS-CSW	2025-12-09	LCSW251209I	3.85	--	94.8	7.31	355	10	756
LS-CSW	2025-12-09	LCSW251209I2	3.85	--	94.8	7.31	355	10	756
LS-PS4	2025-10-09	LP4-251009I	6.45	--	109.5	7.66	1176	16.3	81.1
LS-PS4	2025-11-12	LP4-251112I	9.47	--	53.9	6.58	175.4	12.6	26.3
LS-PS4	2025-12-09	LP4-251209I	10.49	--	55.3	6.89	387.6	11.7	25.6
LS-PS4	2025-12-09	LP4-251209I2	10.49	--	55.3	6.89	387.6	11.7	25.6
LS-PS1A	2025-10-09	LP1A251009I	2.86	--	43.3	7.87	10830	17.2	8.92
LS-PS1A	2025-11-12	LP1A251112I	8.76	--	117.8	6.58	399.6	13.1	3.54
LS-PS1A	2025-12-09	LP1A251209I	9.78	--	64.7	6.65	369.7	12.4	6.12
LS-PS1A	2025-12-09	LP1A251209I2	9.78	--	64.7	6.65	369.7	12.4	6.12
LS-PS2A	2025-10-07	LP2A251007M	7.69	--	--	4.32	683	13.5	--
LS-PS2A	2025-11-13	LP2A251113M	9.34	--	--	6.06	78.2	13.5	--
LS-PS2A	2025-12-10	LP2A251210M	9.21	--	--	5.95	74.4	12.1	--
LS-A567	2025-10-09	L567251009I	0.1	--	-349.7	7.75	27579	30.1	247
LS-A567	2025-11-12	L567251112I	0.12	--	-188.1	7.79	24985	28.9	186
LS-A567	2025-12-09	L567251209I	0.35	--	-220.9	7.75	21233	30.8	276
LS-A567	2025-12-09	L567251209I2	0.35	--	-220.9	7.75	21233	30.8	276
LS-MH46N	2025-10-07	L46N251007M	1.67	--	--	7.03	11239	18.8	--
LS-MH46N	2025-11-13	L46N251113M	1.85	--	--	7.19	11108	17.5	--
LS-MH46N	2025-12-10	L46N251210M	1.72	--	--	7.17	8767	22	--

-- : Not part of sampling program.

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Biological Oxygen Demand (5-day)	Chemical Oxygen Demand
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-01-07	LEPS250107P	--	--	--	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	--	--	--	--	--
LS-LEPS	2025-01-22	LEPS250122M	--	--	2570	--	437	1610
LS-LEPS	2025-01-22	LEPS250122P	--	--	--	443	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	--	--	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	--	--	3590	--	401	1840
LS-LEPS	2025-02-06	LEPS250206P	--	--	--	673	--	--
LS-LEPS	2025-02-11	LEPS250211P	--	--	--	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	--	--	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	--	--	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	--	--	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	--	--	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	--	--	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	--	--	2170	--	405	1480
LS-LEPS	2025-03-25	LEPS250325P	--	--	--	419	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Biological Oxygen Demand (5-day)	Chemical Oxygen Demand
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	--	--	4570	933	1580	3290
LS-V1A	2025-02-26	LV1A250206M	--	--	4200	846	2050	3850
LS-V1A	2025-03-25	LV1A250325M	--	--	2310	484	1450	2510
LS-CSW	2025-01-02	LCSW250102I	200	1 U	200	26.2	130	257
LS-CSW	2025-03-27	LCSW250327I	341	1 U	341	30.9	455	763
LS-PS4	2025-01-02	LP4-250102I	433	1 U	433	123	447	510
LS-PS4	2025-02-04	LP4-250204I	236	1 U	236	240	17.3	63.5
LS-PS4	2025-03-27	LP4-250327I	297	1 U	297	48.4	93.8	390
LS-PS1A	2025-01-02	LP1A250102I	401	1 U	401	74.6	22.7	180
LS-PS1A	2025-02-04	LP1A250204I	604	1 U	604	105	33.7	251
LS-PS1A	2025-03-27	LP1A250327I	249	1 U	249	43.7	11.4	107
LS-PS2A	2025-01-22	LP2A250122M	--	--	67.9	9.86	12.3	23.4
LS-PS2A	2025-02-06	LP2A250206M	--	--	39.2	0.524	2 U	13 T
LS-PS2A	2025-03-25	LP2A250325M	--	--	29.7	0.257	2 U	23.5
LS-A567	2025-01-02	L567250102I	7510	1 U	7510	1660	368	3100 S
LS-A567	2025-02-04	L567250204I	8660	1 U	8660	1720	615	3560 S
LS-A567	2025-03-27	L567250327I	7600	1 U	7600	1580	419	2960
LS-MH46N	2025-01-22	L46N250122D	--	--	1910	352	42	957
LS-MH46N	2025-01-22	L46N250122M	--	--	1910	364	46.9	967
LS-MH46N	2025-02-06	L46N250206M	--	--	2120	384	50.5	1050
LS-MH46N	2025-03-25	L46N250325D	--	--	2030	402	34.6	994
LS-MH46N	2025-03-25	L46N250325M	--	--	2020	400	34.1	981

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Chloride	Coliforms, Fecal	Coliforms, Total	Cyanide	Fixed Suspended Solids	Fluoride
			mg/L	cfu/100ml	cfu/100ml	mg/L	mg/L	mg/L
LS-LEPS	2025-01-07	LEPS250107P	--	--	--	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	--	--	--	--	--
LS-LEPS	2025-01-22	LEPS250122M	566	29000	540000 C	0.0082 ST	--	1.2 T
LS-LEPS	2025-01-22	LEPS250122P	--	--	--	--	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	--	--	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	810	5300	64000	0.011 ST	--	4 U
LS-LEPS	2025-02-06	LEPS250206P	--	--	--	--	--	--
LS-LEPS	2025-02-11	LEPS250211P	--	--	--	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	--	--	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	--	--	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	--	--	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	--	--	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	--	--	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	503	8000	61000	0.008 SU	--	1.2 T
LS-LEPS	2025-03-25	LEPS250325P	--	--	--	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Chloride	Coliforms, Fecal	Coliforms, Total	Cyanide	Fixed Suspended Solids	Fluoride
			mg/L	cfu/100ml	cfu/100ml	mg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	1050	52000	580000 C	0.011 ST	--	10 U
LS-V1A	2025-02-26	LV1A250206M	948	180000	600000 C	0.01 ST	--	10 U
LS-V1A	2025-03-25	LV1A250325M	569	42000	1300000	0.008 SU	--	20 U
LS-CSW	2025-01-02	LCSW250102I	35.1	--	--	--	7.4 T	1 U
LS-CSW	2025-03-27	LCSW250327I	67 T	--	--	--	22.9	5 U
LS-PS4	2025-01-02	LP4-250102I	30.2	--	--	--	46.5	0.24 T
LS-PS4	2025-02-04	LP4-250204I	49.6	--	--	--	1.7 U	0.23 T
LS-PS4	2025-03-27	LP4-250327I	52.8	--	--	--	12.5	0.4 U
LS-PS1A	2025-01-02	LP1A250102I	130	--	--	--	0.62 T	0.46 T
LS-PS1A	2025-02-04	LP1A250204I	218	--	--	--	0.51 U	1 U
LS-PS1A	2025-03-27	LP1A250327I	87.4	--	--	--	0.5 U	0.16 T
LS-PS2A	2025-01-22	LP2A250122M	7.23	1 U	1 U	0.0024 T	--	0.086 T
LS-PS2A	2025-02-06	LP2A250206M	1.24	1 U	80 C	0.002 U	--	0.066 T
LS-PS2A	2025-03-25	LP2A250325M	1.01	1 U	3	0.002 U	--	0.073 T
LS-A567	2025-01-02	L567250102I	1760	--	--	--	1.4 U	5.5 T
LS-A567	2025-02-04	L567250204I	2200	--	--	--	1.1 U	4 U
LS-A567	2025-03-27	L567250327I	1880	--	--	--	1.5 U	2 U
LS-MH46N	2025-01-22	L46N250122D	975	1 U	600	0.011 ST	--	2.2 T
LS-MH46N	2025-01-22	L46N250122M	962	1 U	620	0.011 ST	--	2.2 T
LS-MH46N	2025-02-06	L46N250206M	1060	1 U	3500	0.0089 ST	--	10 U
LS-MH46N	2025-03-25	L46N250325D	1020	1 U	39	0.008 SU	--	5 U
LS-MH46N	2025-03-25	L46N250325M	1030	1 U	81	0.008 SU	--	5 U

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Hardness, Total	Nitrate + Nitrite as N	Phosphorus, Soluble Reactive	Phosphorus, Total (As P), Total	Specific Conductance	Sulfate
			mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L
LS-LEPS	2025-01-07	LEPS250107P	--	--	--	3.03	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	--	--	3.34	--	--
LS-LEPS	2025-01-22	LEPS250122M	--	--	0.114	--	6360	38.8
LS-LEPS	2025-01-22	LEPS250122P	--	0.2 U	--	3.46	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	--	--	4.1	--	--
LS-LEPS	2025-02-06	LEPS250206M	--	--	0.231	--	8790	37.2
LS-LEPS	2025-02-06	LEPS250206P	--	0.11 T	--	4.18	--	--
LS-LEPS	2025-02-11	LEPS250211P	--	--	--	4.13	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	--	--	3.83	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	--	--	4	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	--	--	3.36	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	--	--	3.41	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	--	--	3.96	--	--
LS-LEPS	2025-03-25	LEPS250325M	--	--	0.566	--	5020	39.8
LS-LEPS	2025-03-25	LEPS250325P	--	0.1 U	--	3.54	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Hardness, Total	Nitrate + Nitrite as N	Phosphorus, Soluble Reactive	Phosphorus, Total (As P), Total	Specific Conductance	Sulfate
			mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L
LS-V1A	2025-01-22	LV1A250122M	--	0.693	3.49	5.57	11600	39.9
LS-V1A	2025-02-26	LV1A250206M	--	0.97	3.81	6.32	10600	53.1
LS-V1A	2025-03-25	LV1A250325M	--	0.543	1.57	4.88	5490	61.1
LS-CSW	2025-01-02	LCSW250102I	97.2	0.035 T	--	--	576	11.4
LS-CSW	2025-03-27	LCSW250327I	241	0.01 U	--	--	868	11 T
LS-PS4	2025-01-02	LP4-250102I	149	1.99	--	--	1310	20.1
LS-PS4	2025-02-04	LP4-250204I	259	3.39	--	--	734	32.7
LS-PS4	2025-03-27	LP4-250327I	125	1.54	--	--	847	17.4
LS-PS1A	2025-01-02	LP1A250102I	95.2	1.51	--	--	1380	13.3
LS-PS1A	2025-02-04	LP1A250204I	128	0.823	--	--	1920	13.3
LS-PS1A	2025-03-27	LP1A250327I	76.4	1.01	--	--	854	9.65
LS-PS2A	2025-01-22	LP2A250122M	--	0.687	0.016 T	0.996 U	176	13.2
LS-PS2A	2025-02-06	LP2A250206M	--	0.503	0.0104	0.1 U	110	8.75
LS-PS2A	2025-03-25	LP2A250325M	--	0.315	0.0176	0.988 U	88.5	5.45
LS-A567	2025-01-02	L567250102I	439	0.29 T	--	--	18600	18 T
LS-A567	2025-02-04	L567250204I	649	0.2 U	--	--	20800	28 T
LS-A567	2025-03-27	L567250327I	516	0.11 T	--	--	18400	15 T
LS-MH46N	2025-01-22	L46N250122D	--	0.02 U	2.39	2.85	6690	2 U
LS-MH46N	2025-01-22	L46N250122M	--	0.02 U	2.21	2.75	6680	2 U
LS-MH46N	2025-02-06	L46N250206M	--	0.05 U	2.45	3.04	7250	10 U
LS-MH46N	2025-03-25	L46N250325D	--	0.05 U	2.36	2.89	6010	2 T
LS-MH46N	2025-03-25	L46N250325M	--	0.05 U	2.2	2.9	6000	3.6 T

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Sulfide	Total Dissolved Solids	Total Fats, Oils & Grease	Total Kjeldahl Nitrogen	Total Organic Carbon	Total Solids
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-01-07	LEPS250107P	--	--	--	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	--	--	--	--	--
LS-LEPS	2025-01-22	LEPS250122M	0.5 T	--	2.6 U	516	535	--
LS-LEPS	2025-01-22	LEPS250122P	--	--	--	--	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	--	--	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	0.5 U	--	2.8 U	753	519	--
LS-LEPS	2025-02-06	LEPS250206P	--	--	--	--	--	--
LS-LEPS	2025-02-11	LEPS250211P	--	--	--	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	--	--	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	--	--	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	--	--	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	--	--	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	--	--	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	0.54 T	--	14.8	487	527	--
LS-LEPS	2025-03-25	LEPS250325P	--	--	--	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Sulfide	Total Dissolved Solids	Total Fats, Oils & Grease	Total Kjeldahl Nitrogen	Total Organic Carbon	Total Solids
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	0.59 T	--	2.8 U	978	1160	--
LS-V1A	2025-02-26	LV1A250206M	0.26 T	--	9.3	879	1150	--
LS-V1A	2025-03-25	LV1A250325M	0.27 T	--	3.6 U	558	870	--
LS-CSW	2025-01-02	LCSW250102I	0.12 T	299	--	31.5	79.8	350
LS-CSW	2025-03-27	LCSW250327I	6.98	680	--	39.9	239	697
LS-PS4	2025-01-02	LP4-250102I	0.11 T	649	--	89.3 J	172	701
LS-PS4	2025-02-04	LP4-250204I	0.05 U	331	--	25.8 J	22.1	367
LS-PS4	2025-03-27	LP4-250327I	0.05 U	416	--	59	21.3	504
LS-PS1A	2025-01-02	LP1A250102I	0.02 T	568	--	76	57.8	587
LS-PS1A	2025-02-04	LP1A250204I	0.02 U	767	--	105	83	807
LS-PS1A	2025-03-27	LP1A250327I	0.021 T	351	--	46.4	37.7	377
LS-PS2A	2025-01-22	LP2A250122M	0.01 U	--	2.7 U	10.5	10.5	--
LS-PS2A	2025-02-06	LP2A250206M	0.05 U	--	3.2 U	0.987	6.76	--
LS-PS2A	2025-03-25	LP2A250325M	0.02 U	--	2.6 U	1.03	8.27	--
LS-A567	2025-01-02	L567250102I	3.9 T	7750	--	1740 S	968 S	8030
LS-A567	2025-02-04	L567250204I	5.73	8930 H	--	1700 S	1130 S	8770 H
LS-A567	2025-03-27	L567250327I	0.51 T	7550	--	1710	893	7930
LS-MH46N	2025-01-22	L46N250122D	0.751	--	2.8 U	362	338	--
LS-MH46N	2025-01-22	L46N250122M	1.37	--	2.9 U	384	332	--
LS-MH46N	2025-02-06	L46N250206M	0.66 T	--	2.8 T	398	357	--
LS-MH46N	2025-03-25	L46N250325D	1.31	--	2.8 U	436	339	--
LS-MH46N	2025-03-25	L46N250325M	1.41	--	3 U	434	322	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Total Suspended Solids	Total Volatile Solids	Volatile Suspended Solids
			mg/L	mg/L	mg/L
LS-LEPS	2025-01-07	LEPS250107P	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	--	--
LS-LEPS	2025-01-22	LEPS250122M	257	1330	234
LS-LEPS	2025-01-22	LEPS250122P	--	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	244	1460	212
LS-LEPS	2025-02-06	LEPS250206P	--	--	--
LS-LEPS	2025-02-11	LEPS250211P	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	149	1220	129
LS-LEPS	2025-03-25	LEPS250325P	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Total Suspended Solids	Total Volatile Solids	Volatile Suspended Solids
			mg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	40.7	2210	28.7
LS-V1A	2025-02-26	LV1A250206M	30.2	2170	21.8
LS-V1A	2025-03-25	LV1A250325M	58.9	1580	46.7
LS-CSW	2025-01-02	LCSW250102I	33.5	164	26.1
LS-CSW	2025-03-27	LCSW250327I	57.6	407	34.7
LS-PS4	2025-01-02	LP4-250102I	71.9	317	25.4
LS-PS4	2025-02-04	LP4-250204I	8.67	96	7.33
LS-PS4	2025-03-27	LP4-250327I	87.5	253	75
LS-PS1A	2025-01-02	LP1A250102I	4.1	161	3.49
LS-PS1A	2025-02-04	LP1A250204I	2.13	205	1.9 T
LS-PS1A	2025-03-27	LP1A250327I	2.01	110	1.6 T
LS-PS2A	2025-01-22	LP2A250122M	5	31 T	2.6 T
LS-PS2A	2025-02-06	LP2A250206M	2.12	32 T	1.1 T
LS-PS2A	2025-03-25	LP2A250325M	3.72	37 T	1.9 T
LS-A567	2025-01-02	L567250102I	18.7	2580	18.2
LS-A567	2025-02-04	L567250204I	11.5	2630 H	10.7
LS-A567	2025-03-27	L567250327I	16.7	2750 J	15.8
LS-MH46N	2025-01-22	L46N250122D	0.5 U	836	0.5 U
LS-MH46N	2025-01-22	L46N250122M	1 U	664	1 U
LS-MH46N	2025-02-06	L46N250206M	1.2 T	654	0.98 T
LS-MH46N	2025-03-25	L46N250325D	0.56 U	734	0.56 U
LS-MH46N	2025-03-25	L46N250325M	0.52 U	818	0.52 U

-- : Not part of sampling program.

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Biological Oxygen Demand (5-day)	Chemical Oxygen Demand
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	--	--	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	--	--	318	--	--
LS-LEPS	2025-04-14	LEPS250414M	--	--	900	--	189	1060
LS-LEPS	2025-04-14	LEPS250414P	--	--	--	314	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	--	--	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	--	--	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	--	--	2880	--	134 H	1280
LS-LEPS	2025-05-06	LEPS250506P	--	--	--	562	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	--	--	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	--	--	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	--	--	783	--	--
LS-LEPS	2025-06-02	LEPS250602M	--	--	4250	--	144	1730
LS-LEPS	2025-06-02	LEPS250602P	--	--	--	718	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	--	--	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	--	--	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	--	--	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Biological Oxygen Demand (5-day)	Chemical Oxygen Demand
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-06-30	LEPS250630P	--	--	--	--	--	--
LS-V1A	2025-04-15	LV1A250415M	--	--	1790	735	1300	2900
LS-V1A	2025-05-06	LV1A250506M	--	--	6600	2120 J	2360	5060
LS-V1A	2025-06-03	LV1A250603M	--	--	7300	1390	2990	6590
LS-CSW	2025-04-14	LCSW250414I	138	1 U	138	21.2	243	471
LS-CSW	2025-06-02	LCSW250602I	1120	1 U	1120	115	54.8	883
LS-PS4	2025-04-14	LP4-250414I	567	1 U	567	90.6	358	832
LS-PS4	2025-05-07	LP4-250507I	1950	1 U	1950	471	1400	2680
LS-PS4	2025-06-02	LP4-250602I	2000	1 U	2000	365	1300	2570
LS-PS1A	2025-04-14	LP1A250414I	292	1 U	292	47.6	14	119
LS-PS1A	2025-05-07	LP1A250507I	670	1 U	670	143	26.6	242
LS-PS1A	2025-06-02	LP1A250602D	2110	1 U	2110	367	63.2	825
LS-PS1A	2025-06-02	LP1A250602I	2090	1 U	2090	368	60.1	842
LS-PS2A	2025-04-15	LP2A250415M	--	--	33.8	0.226	2 U	13 T
LS-PS2A	2025-05-05	LP2A250505M	--	--	67	2.67	2 U	16 T
LS-PS2A	2025-06-04	LP2A250604M	--	--	18.4	6.44	2 U	15 T
LS-A567	2025-04-14	L567250414I	4020	1 U	4020	1590	440	3220 S
LS-A567	2025-05-07	L567250507I	9460	1 U	9460	1920	432	3720 S
LS-A567	2025-06-02	L567250602I	10200	1 U	10200	1900	377	4160 S
LS-MH46N	2025-04-15	L46N250415M	--	--	956	353	40.8	939
LS-MH46N	2025-05-05	L46N250505M	--	--	1960	393	35.8	943
LS-MH46N	2025-06-04	L46N250604M	--	--	2430	452	49.4	1260

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Chloride	Coliforms, Fecal	Coliforms, Total	Cyanide	Fixed Suspended Solids	Fluoride
			mg/L	cfu/100ml	cfu/100ml	mg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	--	--	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414M	359	6800	53000	0.008 SU	--	1.1 T
LS-LEPS	2025-04-14	LEPS250414P	--	--	--	--	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	--	--	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	--	--	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	606	760	19000	0.008 SU	--	1.3 T
LS-LEPS	2025-05-06	LEPS250506P	--	--	--	--	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	--	--	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	--	--	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602M	999	230 C	5600	0.01 ST	--	1.4 T
LS-LEPS	2025-06-02	LEPS250602P	--	--	--	--	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	--	--	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	--	--	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	--	--	--	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	--	--	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Chloride	Coliforms, Fecal	Coliforms, Total	Cyanide	Fixed Suspended Solids	Fluoride
			mg/L	cfu/100ml	cfu/100ml	mg/L	mg/L	mg/L
LS-V1A	2025-04-15	LV1A250415M	742	43000	420000	0.012 ST	--	10 U
LS-V1A	2025-05-06	LV1A250506M	1490	75000	620000 C	0.013 ST	--	2 U
LS-V1A	2025-06-03	LV1A250603M	1560	210000	2400000 C	0.0085 ST	--	40 U
LS-CSW	2025-04-14	LCSW250414I	37.8	--	--	--	11 T	0.2 U
LS-CSW	2025-06-02	LCSW250602I	524	--	--	--	82	1.2 T
LS-PS4	2025-04-14	LP4-250414I	62	--	--	--	3.3 T	1 U
LS-PS4	2025-05-07	LP4-250507I	424	--	--	--	9	1 U
LS-PS4	2025-06-02	LP4-250602I	300 T	--	--	--	7.6 T	20 U
LS-PS1A	2025-04-14	LP1A250414I	101	--	--	--	0.5 T	0.25 T
LS-PS1A	2025-05-07	LP1A250507I	228	--	--	--	0.5 U	0.33 T
LS-PS1A	2025-06-02	LP1A250602D	771	--	--	--	0.67 U	1.3 T
LS-PS1A	2025-06-02	LP1A250602I	778	--	--	--	0.5 U	1.3 T
LS-PS2A	2025-04-15	LP2A250415M	1.06	1 U	1 U	0.0024 T	--	0.073 T
LS-PS2A	2025-05-05	LP2A250505M	0.484	1 U	14000 C	0.002 U	--	0.079 T
LS-PS2A	2025-06-04	LP2A250604M	6.42	1 U	1 U	0.002 U	--	0.078 T
LS-A567	2025-04-14	L567250414I	1950	--	--	--	1.8 T	5.3 T
LS-A567	2025-05-07	L567250507I	2440	--	--	--	2.4 T	5.4 T
LS-A567	2025-06-02	L567250602I	2580	--	--	--	1.4 T	5.9 T
LS-MH46N	2025-04-15	L46N250415M	902	1 U	2500	0.0089 ST	--	2.3 T
LS-MH46N	2025-05-05	L46N250505M	976	1 U	18 C	0.008 SU	--	1.05
LS-MH46N	2025-06-04	L46N250604M	1240	1 U	1 U	0.008 SU	--	5 U

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Hardness, Total	Nitrate + Nitrite as N	Phosphorus, Soluble Reactive	Phosphorus, Total (As P), Total	Specific Conductance	Sulfate
			mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	--	--	2.63	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	--	--	2.82	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	0.02 U	--	3.33	--	--
LS-LEPS	2025-04-14	LEPS250414M	--	--	0.0771	--	4810	27.4
LS-LEPS	2025-04-14	LEPS250414P	--	0.02 U	--	3.43	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	--	--	2.43	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	--	--	2.8	--	--
LS-LEPS	2025-05-06	LEPS250506M	--	--	0.12 T	--	6620	29.3
LS-LEPS	2025-05-06	LEPS250506P	--	0.05 U	--	4.11	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	--	--	2.88	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	--	--	3.68	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	--	--	4.56	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	0.1 U	--	5.05	--	--
LS-LEPS	2025-06-02	LEPS250602M	--	--	0.487	--	10400	34.9
LS-LEPS	2025-06-02	LEPS250602P	--	0.2 U	--	5.23	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	--	--	5.66	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	--	--	6.94	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	--	--	7.02	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	--	--	9.22	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Hardness, Total	Nitrate + Nitrite as N	Phosphorus, Soluble Reactive	Phosphorus, Total (As P), Total	Specific Conductance	Sulfate
			mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L
LS-V1A	2025-04-15	LV1A250415M	--	0.227	3.24	5.27	9500	30.6
LS-V1A	2025-05-06	LV1A250506M	--	0.36 T	8.18	12.4	14700	50.1
LS-V1A	2025-06-03	LV1A250603M	--	0.439	5.49	10.7	17900	66
LS-CSW	2025-04-14	LCSW250414I	191	0.01 U	--	--	751	12.2
LS-CSW	2025-06-02	LCSW250602I	418	0.15 T	--	--	4080	180
LS-PS4	2025-04-14	LP4-250414I	161	1.85	--	--	1800	19.9
LS-PS4	2025-05-07	LP4-250507I	362	4.56	--	--	5050	44.5
LS-PS4	2025-06-02	LP4-250602I	358	2.22	--	--	5720	38.7
LS-PS1A	2025-04-14	LP1A250414I	75.4	1.19	--	--	1010	9.25
LS-PS1A	2025-05-07	LP1A250507I	124	0.909	--	--	1950	11
LS-PS1A	2025-06-02	LP1A250602D	285	0.311	--	--	6490	19.2
LS-PS1A	2025-06-02	LP1A250602I	288	0.313	--	--	6510	18.8
LS-PS2A	2025-04-15	LP2A250415M	--	0.433	0.0111	0.989 U	94.6	6.03
LS-PS2A	2025-05-05	LP2A250505M	--	0.746	0.0216	0.992 U	120	10.6
LS-PS2A	2025-06-04	LP2A250604M	--	2.46	0.00837	0.994 U	246	57
LS-A567	2025-04-14	L567250414I	608	0.22 T	--	--	20400	16 T
LS-A567	2025-05-07	L567250507I	520	0.4 U	--	--	20500	18 T
LS-A567	2025-06-02	L567250602I	502	0.41 T	--	--	24100	48 T
LS-MH46N	2025-04-15	L46N250415M	--	0.021 T	2.06	2.65	6800	2 U
LS-MH46N	2025-05-05	L46N250505M	--	0.05 U	2.3	2.9	6210	5 U
LS-MH46N	2025-06-04	L46N250604M	--	0.05 U	2.65	3.24	9070	5 U

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Sulfide	Total Dissolved Solids	Total Fats, Oils & Grease	Total Kjeldahl Nitrogen	Total Organic Carbon	Total Solids
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	--	--	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414M	0.36 T	--	4.7 T	360	367	--
LS-LEPS	2025-04-14	LEPS250414P	--	--	--	--	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	--	--	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	--	--	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	0.15 T	--	2.8 T	558	431	--
LS-LEPS	2025-05-06	LEPS250506P	--	--	--	--	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	--	--	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	--	--	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602M	0.1 U	--	2.9 U	884	645	--
LS-LEPS	2025-06-02	LEPS250602P	--	--	--	--	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	--	--	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	--	--	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	--	--	--	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	--	--	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Sulfide	Total Dissolved Solids	Total Fats, Oils & Grease	Total Kjeldahl Nitrogen	Total Organic Carbon	Total Solids
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-04-15	LV1A250415M	0.17 T	--	2.7 U	740	1010	--
LS-V1A	2025-05-06	LV1A250506M	0.58 T	--	4.9 T	1460 J	1820 S	--
LS-V1A	2025-06-03	LV1A250603M	1.4 T	--	3.3 T	1680	2280 S	--
LS-CSW	2025-04-14	LCSW250414I	0.18 T	432	--	29.6	157	532
LS-CSW	2025-06-02	LCSW250602I	1 U	2550	--	173	286	2620
LS-PS4	2025-04-14	LP4-250414I	0.25 U	473	--	118	278	536
LS-PS4	2025-05-07	LP4-250507I	0.18 T	2650	--	447	945	2920
LS-PS4	2025-06-02	LP4-250602I	0.25 U	2540	--	412	943	2770
LS-PS1A	2025-04-14	LP1A250414I	0.029 T	411	--	51.2	44.1	418
LS-PS1A	2025-05-07	LP1A250507I	0.05 U	803	--	120	80.3	817
LS-PS1A	2025-06-02	LP1A250602D	0.13 T	2580	--	427	278	2720
LS-PS1A	2025-06-02	LP1A250602I	0.18 T	2630	--	444	310	2730
LS-PS2A	2025-04-15	LP2A250415M	0.05 U	--	2.9 U	0.838	8.21	--
LS-PS2A	2025-05-05	LP2A250505M	0.05 U	--	2.8 U	3.17	7.76	--
LS-PS2A	2025-06-04	LP2A250604M	0.05 U	--	2.7 U	7.72	7.75	--
LS-A567	2025-04-14	L567250414I	1.7 T	7730	--	1640 S	1150 S	7940
LS-A567	2025-05-07	L567250507I	0.59 T	9430	--	1870 S	1240 S	9850
LS-A567	2025-06-02	L567250602I	0.79 T	10100	--	2130 S	1260 S	10400
LS-MH46N	2025-04-15	L46N250415M	0.524	--	2.8 U	359	328	--
LS-MH46N	2025-05-05	L46N250505M	0.738	--	2.8 U	382	359	--
LS-MH46N	2025-06-04	L46N250604M	1.02	--	3.5 T	519	431	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Total Suspended Solids	Total Volatile Solids	Volatile Suspended Solids
			mg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	--	--
LS-LEPS	2025-04-14	LEPS250414M	68	782	64
LS-LEPS	2025-04-14	LEPS250414P	--	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	136	1190	124
LS-LEPS	2025-05-06	LEPS250506P	--	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	--	--
LS-LEPS	2025-06-02	LEPS250602M	246	1790	228
LS-LEPS	2025-06-02	LEPS250602P	--	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Total Suspended Solids	Total Volatile Solids	Volatile Suspended Solids
			mg/L	mg/L	mg/L
LS-V1A	2025-04-15	LV1A250415M	37	1780	33
LS-V1A	2025-05-06	LV1A250506M	56	3840	52
LS-V1A	2025-06-03	LV1A250603M	120	4320	78
LS-CSW	2025-04-14	LCSW250414I	65.3	272	54.7
LS-CSW	2025-06-02	LCSW250602I	151	850	69
LS-PS4	2025-04-14	LP4-250414I	24.3	244	21
LS-PS4	2025-05-07	LP4-250507I	29	1640	20
LS-PS4	2025-06-02	LP4-250602I	34.8	1550	27.2
LS-PS1A	2025-04-14	LP1A250414I	2.4	108	1.9 T
LS-PS1A	2025-05-07	LP1A250507I	3.4	216	3.1
LS-PS1A	2025-06-02	LP1A250602D	4.13	780	3.87
LS-PS1A	2025-06-02	LP1A250602I	3.3	820	3.1
LS-PS2A	2025-04-15	LP2A250415M	1.1 T	38 T	0.7 T
LS-PS2A	2025-05-05	LP2A250505M	1 T	34 T	0.62 T
LS-PS2A	2025-06-04	LP2A250604M	0.5 U	54	0.5 U
LS-A567	2025-04-14	L567250414I	9.75	2860	8
LS-A567	2025-05-07	L567250507I	13.8	3470	11.5
LS-A567	2025-06-02	L567250602I	15	3520	13.6
LS-MH46N	2025-04-15	L46N250415M	0.5 U	688	0.5 U
LS-MH46N	2025-05-05	L46N250505M	0.5 U	684	0.5 U
LS-MH46N	2025-06-04	L46N250604M	0.5 U	1140	0.5 U

-- : Not part of sampling program.

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Biological Oxygen Demand (5-day)	Chemical Oxygen Demand
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-07-08	LEPS250708M	--	--	5750	--	81.9	1830
LS-LEPS	2025-07-08	LEPS250708P	--	--	--	1030 S	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	--	--	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	--	--	6850	--	95.7 G	2570
LS-LEPS	2025-08-07	LEPS250807P	--	--	--	1210 S	--	--
LS-LEPS	2025-08-12	LEPS250812P	--	--	--	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	--	--	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	--	--	7150	--	236	3250
LS-LEPS	2025-09-23	LEPS250923P	--	--	--	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	--	--	--	--	--
LS-V1A	2025-07-09	LV1A250709M	--	--	7430	1680	4490	9250
LS-V1A	2025-08-05	LV1A250805M	--	--	8830	2000	5690 G	11300 S
LS-V1A	2025-09-09	LV1A250909M	--	--	11400	2480	5280	11100 S
LS-PS4	2025-07-10	LP4-250710I	2340	1 U	2340	698	1170	3190
LS-PS4	2025-08-07	LP4-250807I	306	1 U	306	43.2	45.4	174
LS-PS1A	2025-07-10	LP1A250710I	3000	1 U	3000	581	95.1	1230
LS-PS1A	2025-08-07	LP1A250807I	2780	1 U	2780	594	63.5	1190
LS-PS2A	2025-07-09	LP2A250709M	--	--	1	4.54	2 U	17 T
LS-PS2A	2025-08-05	LP2A250805M	--	--	1	5.57	2 GU	19 T
LS-PS2A	2025-09-09	LP2A250909M	--	--	31.4	8.58	6.33	30.8
LS-A567	2025-07-10	L567250710I	11700	1 U	11700	2630	435	4910 S
LS-A567	2025-08-07	L567250807I	12000	1 U	12000	2580	419	4840 S
LS-A567	2025-09-11	L567250911I	12500	1 U	12500	2650	665	5130
LS-MH46N	2025-07-09	L46N250709M	--	--	2910	593	66.8	1570
LS-MH46N	2025-08-05	L46N250805M	--	--	3130	641	80.6 G	1710
LS-MH46N	2025-09-09	L46N250909M	--	--	3210	709	74.5	1740

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Chloride	Coliforms, Fecal	Coliforms, Total	Cyanide	Fixed Suspended Solids	Fluoride
			mg/L	cfu/100ml	cfu/100ml	mg/L	mg/L	mg/L
LS-LEPS	2025-07-08	LEPS250708M	1570	70 C	3100 C	0.017 ST	--	2 U
LS-LEPS	2025-07-08	LEPS250708P	--	--	--	--	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	--	--	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	1930	2000	9000 C	0.018 ST	--	2.9 T
LS-LEPS	2025-08-07	LEPS250807P	--	--	--	--	--	--
LS-LEPS	2025-08-12	LEPS250812P	--	--	--	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	--	--	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	2150	900 CU	1400	0.02 ST	--	2.8 T
LS-LEPS	2025-09-23	LEPS250923P	--	--	--	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	--	--	--	--	--
LS-V1A	2025-07-09	LV1A250709M	1700	670000	5700000 C	0.014 ST	--	40 U
LS-V1A	2025-08-05	LV1A250805M	2040	1600000	6500000 C	0.02 ST	--	40 U
LS-V1A	2025-09-09	LV1A250909M	2520	1100000	5500000 C	0.026 ST	--	40 U
LS-PS4	2025-07-10	LP4-250710I	462	--	--	--	20	20 U
LS-PS4	2025-08-07	LP4-250807I	89.2	--	--	--	17.6	0.42 T
LS-PS1A	2025-07-10	LP1A250710I	1220	--	--	--	0.63 U	2 T
LS-PS1A	2025-08-07	LP1A250807I	1140	--	--	--	1 T	5 U
LS-PS2A	2025-07-09	LP2A250709M	9.4	1 U	1 U	0.002 U	--	0.074 T
LS-PS2A	2025-08-05	LP2A250805M	12.2	1 U	1 U	0.002 U	--	0.073 T
LS-PS2A	2025-09-09	LP2A250909M	9.25	1 U	2700	0.002 U	--	0.061 T
LS-A567	2025-07-10	L567250710I	2920	--	--	--	3.4 U	2.6 T
LS-A567	2025-08-07	L567250807I	3070	--	--	--	1.4 T	3.6 T
LS-A567	2025-09-11	L567250911I	3160	--	--	--	2.5 U	10 U
LS-MH46N	2025-07-09	L46N250709M	1620	1 U	680	0.012 ST	--	5 U
LS-MH46N	2025-08-05	L46N250805M	1790	1 U	1200	0.01 ST	--	5.1 T
LS-MH46N	2025-09-09	L46N250909M	1880	1 U	160	0.011 ST	--	5.2 T

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Hardness, Total	Nitrate + Nitrite as N	Phosphorus, Soluble Reactive	Phosphorus, Total (As P), Total	Specific Conductance	Sulfate
			mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L
LS-LEPS	2025-07-08	LEPS250708M	--	--	3.86	--	13300	64
LS-LEPS	2025-07-08	LEPS250708P	--	0.5 SU	--	8.43	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	--	--	8.82	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	--	--	8.29	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	--	--	9.41	--	--
LS-LEPS	2025-08-05	LEPS250805M	--	--	1.5 T	6.99	15600	43.2
LS-LEPS	2025-08-07	LEPS250807P	--	0.2 SU	--	7.77	--	--
LS-LEPS	2025-08-12	LEPS250812P	--	--	--	7.91	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	--	--	7.66	--	--
LS-LEPS	2025-09-09	LEPS250909M	--	--	0.79 T	--	15900	36.8
LS-LEPS	2025-09-23	LEPS250923P	--	--	--	9.29	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	--	--	10.5	--	--
LS-V1A	2025-07-09	LV1A250709M	--	0.11 T	7.54	9.48	17500	95.6
LS-V1A	2025-08-05	LV1A250805M	--	0.2 U	2.9 T	11.2	19800	142
LS-V1A	2025-09-09	LV1A250909M	--	0.2 U	4.4	12.5	23400	98.2
LS-PS4	2025-07-10	LP4-250710I	415	0.486	--	--	6270	46.8
LS-PS4	2025-08-07	LP4-250807I	126	0.3	--	--	1010	19.4
LS-PS1A	2025-07-10	LP1A250710I	377	0.12 T	--	--	9060	37.8
LS-PS1A	2025-08-07	LP1A250807I	354	0.05 U	--	--	8440	37.2
LS-PS2A	2025-07-09	LP2A250709M	--	3.19	0.001 U	0.995 U	259	74.6
LS-PS2A	2025-08-05	LP2A250805M	--	3.78	0.05 U	0.992 U	468	124
LS-PS2A	2025-09-09	LP2A250909M	--	5.1	0.05 U	0.977 U	299	70.8
LS-A567	2025-07-10	L567250710I	496	0.27 T	--	--	25900	138
LS-A567	2025-08-07	L567250807I	565	0.28 T	--	--	25600	150
LS-A567	2025-09-11	L567250911I	583	0.28 T	--	--	26200	39
LS-MH46N	2025-07-09	L46N250709M	--	0.05 U	2.86	3.91	10000	0.5 U
LS-MH46N	2025-08-05	L46N250805M	--	0.12 T	3.27	3.4	10600	3.2 T
LS-MH46N	2025-09-09	L46N250909M	--	0.05 U	3.03	3.55	10800	2 U

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Sulfide	Total Dissolved Solids	Total Fats, Oils & Grease	Total Kjeldahl Nitrogen	Total Organic Carbon	Total Solids
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-07-08	LEPS250708M	0.41 T	--	2.8 U	1070	565	--
LS-LEPS	2025-07-08	LEPS250708P	--	--	--	--	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	--	--	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	0.1 U	--	2.5 T	1230	681	--
LS-LEPS	2025-08-07	LEPS250807P	--	--	--	--	--	--
LS-LEPS	2025-08-12	LEPS250812P	--	--	--	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	--	--	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	0.67 T	--	3 U	1330	876 S	--
LS-LEPS	2025-09-23	LEPS250923P	--	--	--	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	--	--	--	--	--
LS-V1A	2025-07-09	LV1A250709M	1.4 T	--	6.9 T	1690	3260 S	--
LS-V1A	2025-08-05	LV1A250805M	1.47	--	3 T	2070 S	3890 S	--
LS-V1A	2025-09-09	LV1A250909M	1.3 T	--	2.8 U	2370 S	3430 S	--
LS-PS4	2025-07-10	LP4-250710I	0.25 U	3280 J	--	482 J	1310	3590
LS-PS4	2025-08-07	LP4-250807I	0.1 U	420	--	49.6	47.6	517
LS-PS1A	2025-07-10	LP1A250710I	0.5 U	3840	--	655	393	3940
LS-PS1A	2025-08-07	LP1A250807I	0.74 T	3610	--	586	347	3570
LS-PS2A	2025-07-09	LP2A250709M	0.05 U	--	3 U	5.09	6.57	--
LS-PS2A	2025-08-05	LP2A250805M	0.05 U	--	2.8 U	6.38	7.18	--
LS-PS2A	2025-09-09	LP2A250909M	0.1 U	--	3.6 U	11.6	6.89	--
LS-A567	2025-07-10	L567250710I	1 T	11900	--	2530 S	1440 S	12000
LS-A567	2025-08-07	L567250807I	1	12000	--	2630 S	1440 S	12800
LS-A567	2025-09-11	L567250911I	1.8 T	13300	--	2610 S	1670 S	13400
LS-MH46N	2025-07-09	L46N250709M	2.73	--	3.7 U	595	497	--
LS-MH46N	2025-08-05	L46N250805M	1.09	--	3.4 U	635	511	--
LS-MH46N	2025-09-09	L46N250909M	1.5 T	--	11.4	673	534	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Total Suspended Solids	Total Volatile Solids	Volatile Suspended Solids
			mg/L	mg/L	mg/L
LS-LEPS	2025-07-08	LEPS250708M	364	2310	314
LS-LEPS	2025-07-08	LEPS250708P	--	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	310	2570	278
LS-LEPS	2025-08-07	LEPS250807P	--	--	--
LS-LEPS	2025-08-12	LEPS250812P	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	620	3590	548
LS-LEPS	2025-09-23	LEPS250923P	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	--	--
LS-V1A	2025-07-09	LV1A250709M	149	5660	107
LS-V1A	2025-08-05	LV1A250805M	70	6660	54
LS-V1A	2025-09-09	LV1A250909M	104	7390	85
LS-PS4	2025-07-10	LP4-250710I	65	2030	45
LS-PS4	2025-08-07	LP4-250807I	43.6	180 T	26
LS-PS1A	2025-07-10	LP1A250710I	3.13	1130	3.13
LS-PS1A	2025-08-07	LP1A250807I	3.8 T	888	2.8 T
LS-PS2A	2025-07-09	LP2A250709M	1.1 T	60	1 T
LS-PS2A	2025-08-05	LP2A250805M	1.2 T	80.7	0.9 T
LS-PS2A	2025-09-09	LP2A250909M	0.5 U	86	0.5 U
LS-A567	2025-07-10	L567250710I	14.5 J	4130	14.5 J
LS-A567	2025-08-07	L567250807I	28.6	3770	27.1
LS-A567	2025-09-11	L567250911I	16.5	4130	16.5
LS-MH46N	2025-07-09	L46N250709M	0.5 U	1230	0.5 U
LS-MH46N	2025-08-05	L46N250805M	0.5 U	1270	0.5 U
LS-MH46N	2025-09-09	L46N250909M	0.5 U	1410	0.5 U

-- : Not part of sampling program.

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Biological Oxygen Demand (5-day)	Chemical Oxygen Demand
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	--	--	8000	--	355	4010
LS-LEPS	2025-10-07	LEPS251007P	--	--	--	1340 S	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	--	--	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	--	--	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	--	--	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	--	--	2890	--	182	1370
LS-LEPS	2025-11-12	LEPS251112P	--	--	--	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	--	--	393	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	--	--	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	--	--	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	--	--	2500	--	242 L	1250
LS-LEPS	2025-12-13	LEPS251213P	--	--	--	--	--	--
LS-LEPS	2025-12-16	LEPS251215D	--	--	--	--	--	--
LS-LEPS	2025-12-16	LEPS251215P	--	--	--	--	--	--
LS-LEPS	2025-12-18	LEPS251218P	--	--	--	303	--	--
LS-LEPS	2025-12-22	LEPS251222P	--	--	--	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	--	--	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Bicarbonate	Alkalinity, Carbonate	Alkalinity, Total (as CaCO3)	Ammonia as N	Biological Oxygen Demand (5-day)	Chemical Oxygen Demand
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	--	--	10300	2320	5330	10500 S
LS-V1A	2025-11-13	LV1A251113M	--	--	2590	594	1820	3430
LS-V1A	2025-12-10	LV1A251210M	--	--	1560	318	604	1110
LS-CSW	2025-11-12	LCSW251112I	74.6	1 U	74.6	0.97 T	7.09 EL	39.7
LS-CSW	2025-12-09	LCSW251209I	129	1 U	129	14.8	135 L	257
LS-PS4	2025-10-09	LP4-251009I	817	1 U	817	21.5	185	245
LS-PS4	2025-11-12	LP4-251112I	57.4	1 U	57.4	5.46	5.85	65.6
LS-PS4	2025-12-09	LP4-251209I	180	1 U	180	53.1 J	29.4 L	23.5
LS-PS1A	2025-10-09	LP1A251009I	3870	1 U	3870	814	88.1	1570
LS-PS1A	2025-11-12	LP1A251112I	108	1 U	108	16.4	6.8	59.3
LS-PS1A	2025-12-09	LP1A251209I	118	1 U	118	13	7.99 L	48.3
LS-PS2A	2025-10-07	LP2A251007M	--	--	1	30.5	7.64	34.8
LS-PS2A	2025-11-13	LP2A251113M	--	--	23.5	0.5 U	2 U	26.1
LS-PS2A	2025-12-10	LP2A251210M	--	--	18.9	0.58 T	2 U	24.9
LS-A567	2025-10-09	L567251009I	13500	1 U	13500	2820	1460	7500 S
LS-A567	2025-11-12	L567251112I	11400	1 U	11400	2540	1440	5960 S
LS-A567	2025-12-09	L567251209I	9620	1 U	9620	2100	1780 L	9850 S
LS-MH46N	2025-10-07	L46N251007M	--	--	3410	701	92.1	1860
LS-MH46N	2025-11-13	L46N251113M	--	--	3330	732	103	1890
LS-MH46N	2025-12-10	L46N251210M	--	--	2560	549	83.5	1460

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Chloride	Coliforms, Fecal	Coliforms, Total	Cyanide	Fixed Suspended Solids	Fluoride
			mg/L	cfu/100ml	cfu/100ml	mg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	2280	300 C	9900 C	0.02 ST	--	2.9 T
LS-LEPS	2025-10-07	LEPS251007P	--	--	--	--	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	--	--	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	--	--	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	--	--	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	688	12000 C	85000 C	0.008 SU	--	2.1 T
LS-LEPS	2025-11-12	LEPS251112P	--	--	--	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	--	--	--	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	--	--	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	--	--	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	524	8000	100000	0.008 SU	--	0.4 U
LS-LEPS	2025-12-13	LEPS251213P	--	--	--	--	--	--
LS-LEPS	2025-12-16	LEPS251215D	--	--	--	--	--	--
LS-LEPS	2025-12-16	LEPS251215P	--	--	--	--	--	--
LS-LEPS	2025-12-18	LEPS251218P	--	--	--	--	--	--
LS-LEPS	2025-12-22	LEPS251222P	--	--	--	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	--	--	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Chloride	Coliforms, Fecal	Coliforms, Total	Cyanide	Fixed Suspended Solids	Fluoride
			mg/L	cfu/100ml	cfu/100ml	mg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	2330	400000	5300000 C	0.026 ST	--	20 U
LS-V1A	2025-11-13	LV1A251113M	590	150000	800000 C	0.008 SU	--	20 U
LS-V1A	2025-12-10	LV1A251210M	307	56000	360000	0.008 U	--	0.4 U
LS-CSW	2025-11-12	LCSW251112I	16	--	--	--	6	0.21 T
LS-CSW	2025-12-09	LCSW251209I	22.3	--	--	--	246	0.4 U
LS-PS4	2025-10-09	LP4-251009I	25	--	--	--	16 T	0.52 T
LS-PS4	2025-11-12	LP4-251112I	8.32	--	--	--	2.82	0.24 T
LS-PS4	2025-12-09	LP4-251209I	3.96	--	--	--	12.8	0.062 T
LS-PS1A	2025-10-09	LP1A251009I	1470	--	--	--	1 U	2.2 T
LS-PS1A	2025-11-12	LP1A251112I	42.2	--	--	--	0.7 T	0.23 T
LS-PS1A	2025-12-09	LP1A251209I	31.4	--	--	--	1.4 T	0.2 T
LS-PS2A	2025-10-07	LP2A251007M	45.1	1 U	8800	0.0025 T	--	0.079 T
LS-PS2A	2025-11-13	LP2A251113M	1.34	1	30 C	0.002 U	--	0.076 T
LS-PS2A	2025-12-10	LP2A251210M	1.23	24	31	0.0021 T	--	0.076 T
LS-A567	2025-10-09	L567251009I	3100	--	--	--	107	40 U
LS-A567	2025-11-12	L567251112I	2780	--	--	--	5.2 T	20 U
LS-A567	2025-12-09	L567251209I	2330	--	--	--	10 U	20 U
LS-MH46N	2025-10-07	L46N251007M	1970	1 U	100 C	0.016 ST	--	5 U
LS-MH46N	2025-11-13	L46N251113M	1990	1 U	150 C	0.0088 ST	--	5.4 T
LS-MH46N	2025-12-10	L46N251210M	1420	1 U	2	0.0099 ST	--	5 U

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Hardness, Total	Nitrate + Nitrite as N	Phosphorus, Soluble Reactive	Phosphorus, Total (As P), Total	Specific Conductance	Sulfate
			mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L
LS-LEPS	2025-10-07	LEPS251007M	--	--	0.26 T	--	15800	29.4
LS-LEPS	2025-10-07	LEPS251007P	--	0.5 SU	--	9.82	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	--	--	9.21	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	--	--	7.9	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	--	--	8.69	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	--	--	5.34	--	--
LS-LEPS	2025-11-12	LEPS251112M	--	--	0.37 T	--	7130	35.7
LS-LEPS	2025-11-12	LEPS251112P	--	--	--	3.66	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	0.05 U	--	2.7	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	--	--	2.47	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	--	--	2.28	--	--
LS-LEPS	2025-12-09	LEPS251209M	--	--	0.1 U	--	6290	35.3
LS-LEPS	2025-12-13	LEPS251213P	--	--	--	2.45	--	--
LS-LEPS	2025-12-16	LEPS251215D	--	--	--	2.41	--	--
LS-LEPS	2025-12-16	LEPS251215P	--	--	--	2.48	--	--
LS-LEPS	2025-12-18	LEPS251218P	--	0.022 T	--	2.09	--	--
LS-LEPS	2025-12-22	LEPS251222P	--	--	--	2.11	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	--	--	2.74	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Hardness, Total	Nitrate + Nitrite as N	Phosphorus, Soluble Reactive	Phosphorus, Total (As P), Total	Specific Conductance	Sulfate
			mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L
LS-V1A	2025-10-07	LV1A251007M	--	0.31 T	6.46	13.3 D	20200	71.5
LS-V1A	2025-11-13	LV1A251113M	--	0.692	2 T	4	7000	47.4
LS-V1A	2025-12-10	LV1A251210M	--	0.13 T	0.866	1.94	4360	32
LS-CSW	2025-11-12	LCSW251112I	79.4	1.78	--	--	276	25.5
LS-CSW	2025-12-09	LCSW251209I	122	0.01 U	--	--	405	6.12
LS-PS4	2025-10-09	LP4-251009I	112	0.432	--	--	2010	22.7
LS-PS4	2025-11-12	LP4-251112I	55.9	0.831	--	--	182	12.1
LS-PS4	2025-12-09	LP4-251209I	75.6	1.49	--	--	557	7.28
LS-PS1A	2025-10-09	LP1A251009I	411	0.061 T	--	--	10600	53.3
LS-PS1A	2025-11-12	LP1A251112I	50.9	1.68	--	--	423	11.8
LS-PS1A	2025-12-09	LP1A251209I	54.8	1.57	--	--	429	12.6
LS-PS2A	2025-10-07	LP2A251007M	--	9.77	0.05 U	0.991 DU	658	200
LS-PS2A	2025-11-13	LP2A251113M	--	0.764	0.05 U	0.1 U	84.7	9.13
LS-PS2A	2025-12-10	LP2A251210M	--	0.482	0.05 U	1.01 U	80.2	10.9
LS-A567	2025-10-09	L567251009I	682	0.22 T	--	--	25000	60.2
LS-A567	2025-11-12	L567251112I	567	0.35 T	--	--	25400	31.7
LS-A567	2025-12-09	L567251209I	512	0.41 T	--	--	23400	21 T
LS-MH46N	2025-10-07	L46N251007M	--	0.13 T	2.8	4.14 D	10300	3.1 T
LS-MH46N	2025-11-13	L46N251113M	--	0.05 U	2.83	4.03	11800	12 T
LS-MH46N	2025-12-10	L46N251210M	--	0.05 U	2.28	3.28	9440	5 U

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Sulfide	Total Dissolved Solids	Total Fats, Oils & Grease	Total Kjeldahl Nitrogen	Total Organic Carbon	Total Solids
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	0.97 T	--	3.2 U	1660	632	--
LS-LEPS	2025-10-07	LEPS251007P	--	--	--	--	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	--	--	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	--	--	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	--	--	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	0.19 T	--	4.5 T	610	401	--
LS-LEPS	2025-11-12	LEPS251112P	--	--	--	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	--	--	--	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	--	--	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	--	--	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	0.143	--	3.3 T	513	239	--
LS-LEPS	2025-12-13	LEPS251213P	--	--	--	--	--	--
LS-LEPS	2025-12-16	LEPS251215D	--	--	--	--	--	--
LS-LEPS	2025-12-16	LEPS251215P	--	--	--	--	--	--
LS-LEPS	2025-12-18	LEPS251218P	--	--	--	--	--	--
LS-LEPS	2025-12-22	LEPS251222P	--	--	--	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	--	--	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Sulfide	Total Dissolved Solids	Total Fats, Oils & Grease	Total Kjeldahl Nitrogen	Total Organic Carbon	Total Solids
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	1.58	--	7.9 T	2240 S	3960 S	--
LS-V1A	2025-11-13	LV1A251113M	0.37 T	--	2.6 U	600	1100	--
LS-V1A	2025-12-10	LV1A251210M	0.025 T	--	3.1 T	376	294	--
LS-CSW	2025-11-12	LCSW251112I	0.05 U	167	--	2.31	13	182
LS-CSW	2025-12-09	LCSW251209I	0.02 U	519 J	--	19	61.7	603 J
LS-PS4	2025-10-09	LP4-251009I	0.032 T	2190	--	31.9	67.3	2260
LS-PS4	2025-11-12	LP4-251112I	0.01 U	108 J	--	7.64	11.7	162 J
LS-PS4	2025-12-09	LP4-251209I	0.01 U	251	--	1.92 J	5.71	277
LS-PS1A	2025-10-09	LP1A251009I	0.12 T	4850	--	784	552	4920
LS-PS1A	2025-11-12	LP1A251112I	0.01 T	206	--	18	20.4	231
LS-PS1A	2025-12-09	LP1A251209I	0.016 T	191	--	19.4	13	212
LS-PS2A	2025-10-07	LP2A251007M	0.05 U	--	3 U	33.7	13.4	--
LS-PS2A	2025-11-13	LP2A251113M	0.01 U	--	2.8 U	0.836	9.67	--
LS-PS2A	2025-12-10	LP2A251210M	0.01 U	--	2.6 U	1.26	8.2	--
LS-A567	2025-10-09	L567251009I	12.5	15000	--	2480 S	2800 S	15700
LS-A567	2025-11-12	L567251112I	2.48	11700	--	2530 S	1740 S	12400
LS-A567	2025-12-09	L567251209I	6.23	10100 J	--	2260 S	1700 S	11000
LS-MH46N	2025-10-07	L46N251007M	1.38	--	3.2 T	714	653	--
LS-MH46N	2025-11-13	L46N251113M	1.76	--	2.9 T	711	620	--
LS-MH46N	2025-12-10	L46N251210M	1.25	--	3.5 T	581	413	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Total Suspended Solids	Total Volatile Solids	Volatile Suspended Solids
			mg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	1000	4120	850
LS-LEPS	2025-10-07	LEPS251007P	--	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	176	1180	155
LS-LEPS	2025-11-12	LEPS251112P	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	200	836	184
LS-LEPS	2025-12-13	LEPS251213P	--	--	--
LS-LEPS	2025-12-16	LEPS251215D	--	--	--
LS-LEPS	2025-12-16	LEPS251215P	--	--	--
LS-LEPS	2025-12-18	LEPS251218P	--	--	--
LS-LEPS	2025-12-22	LEPS251222P	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	--	--

Table H-2
Leachate – Conventionals

Well	Sample Date	Sample ID	Total Suspended Solids	Total Volatile Solids	Volatile Suspended Solids
			mg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	37	8360 J	31
LS-V1A	2025-11-13	LV1A251113M	34	1760	27.3
LS-V1A	2025-12-10	LV1A251210M	111	790	25
LS-CSW	2025-11-12	LCSW251112I	8.8	74	2.8 T
LS-CSW	2025-12-09	LCSW251209I	283 J	130 T	37
LS-PS4	2025-10-09	LP4-251009I	139	1320	124
LS-PS4	2025-11-12	LP4-251112I	11.8 J	60	8.94
LS-PS4	2025-12-09	LP4-251209I	38.4	131	25.6
LS-PS1A	2025-10-09	LP1A251009I	1.8 T	1190	2.4 T
LS-PS1A	2025-11-12	LP1A251112I	1.8 T	71	1.1 T
LS-PS1A	2025-12-09	LP1A251209I	3.8	68	2.4
LS-PS2A	2025-10-07	LP2A251007M	1 U	96.7	1 U
LS-PS2A	2025-11-13	LP2A251113M	1.8 T	28 T	1.2 T
LS-PS2A	2025-12-10	LP2A251210M	2	37 T	1.3 T
LS-A567	2025-10-09	L567251009I	207	6360	100
LS-A567	2025-11-12	L567251112I	26	4290	20.8
LS-A567	2025-12-09	L567251209I	52 J	3840	44 J
LS-MH46N	2025-10-07	L46N251007M	0.5 U	1380	0.5 U
LS-MH46N	2025-11-13	L46N251113M	0.6 T	1450	0.6 T
LS-MH46N	2025-12-10	L46N251210M	0.7 T	1130	0.6 T

-- : Not part of sampling program.

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Aluminum, Dissolved	Aluminum, Total	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total
			mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
LS-LEPS	2025-01-02	LEPS250102P	--	--	--	--	--	39.7
LS-LEPS	2025-01-07	LEPS250107P	--	0.714	--	0.00589	--	41.2
LS-LEPS	2025-01-09	LEPS250109P	--	--	--	--	--	40.5
LS-LEPS	2025-01-18	LEPS250118P	--	0.604	--	0.00655	--	44.4
LS-LEPS	2025-01-22	LEPS250122M	0.152	--	0.00705	--	49	--
LS-LEPS	2025-01-22	LEPS250122P	--	0.819	--	0.00722	--	51.7
LS-LEPS	2025-01-24	LEPS250124P	--	--	--	--	--	54.8
LS-LEPS	2025-01-28	LEPS250128P	--	0.772	--	0.0079	--	59.9
LS-LEPS	2025-01-30	LEPS250130P	--	--	--	--	--	61.1
LS-LEPS	2025-02-05	LEPS250205P	--	--	--	--	--	71.7
LS-LEPS	2025-02-06	LEPS250206M	0.214	--	0.01	--	70	--
LS-LEPS	2025-02-06	LEPS250206P	--	0.634	--	0.00977	--	71.8
LS-LEPS	2025-02-11	LEPS250211P	--	0.602	--	0.0099	--	71.9
LS-LEPS	2025-02-13	LEPS250213P	--	--	--	--	--	72
LS-LEPS	2025-02-18	LEPS250218P	--	0.51 D	--	0.00955	--	74.9
LS-LEPS	2025-02-20	LEPS250220P	--	--	--	--	--	78.2
LS-LEPS	2025-02-25	LEPS250225P	--	0.822	--	0.00823	--	63.1
LS-LEPS	2025-02-27	LEPS250227P	--	--	--	--	--	58.6
LS-LEPS	2025-03-04	LEPS250304P	--	0.503	--	0.00666	--	49.5
LS-LEPS	2025-03-06	LEPS250306P	--	--	--	--	--	47.6
LS-LEPS	2025-03-12	LEPS250312P	--	0.423	--	0.00692	--	46.5
LS-LEPS	2025-03-13	LEPS250313P	--	--	--	--	--	50.5
LS-LEPS	2025-03-18	LEPS250318P	--	0.562	--	0.00661	--	49.7
LS-LEPS	2025-03-20	LEPS250320P	--	--	--	--	--	46.6
LS-LEPS	2025-03-25	LEPS250325M	0.164	--	0.00579	--	43.8	--
LS-LEPS	2025-03-25	LEPS250325P	--	0.402	--	0.00606	--	43.6
LS-LEPS	2025-03-27	LEPS250327P	--	--	--	--	--	39.5

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Aluminum, Dissolved	Aluminum, Total	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total
			mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
LS-V1A	2025-01-22	LV1A250122M	0.314	1.48	0.0107	0.0109	91.6	94.9
LS-V1A	2025-02-26	LV1A250206M	0.281	0.737 D	0.0112	0.0119	92	98.1
LS-V1A	2025-03-25	LV1A250325M	0.163	0.522	0.00529	0.00573	44.8	48.5
LS-CSW	2025-01-02	LCSW250102I	0.0495 U	0.611	0.00297 U	0.00292 U	2.33	2.59
LS-CSW	2025-03-27	LCSW250327I	0.0497 U	1.04	0.00298 U	0.00299 U	1.62	2.87
LS-PS4	2025-01-02	LP4-250102I	0.0996	0.658	0.00299 U	0.00299	17.7	17.8
LS-PS4	2025-02-04	LP4-250204I	0.099	0.283 D	0.00594	0.00658	34.6	37.2
LS-PS4	2025-03-27	LP4-250327I	0.0498 U	0.19	0.00299 U	0.00298 U	6.6	7.32
LS-PS1A	2025-01-02	LP1A250102I	0.0491 U	0.119	0.00391	0.00414	19.8	19.7
LS-PS1A	2025-02-04	LP1A250204I	0.0498 U	0.0669 D	0.00787	0.00777	29.8	30.5
LS-PS1A	2025-03-27	LP1A250327I	0.0498 U	0.0741	0.00299 U	0.00299 U	12.2	12.1
LS-PS2A	2025-01-22	LP2A250122M	--	0.066	--	0.00299 U	--	1.13
LS-PS2A	2025-02-06	LP2A250206M	--	0.0684 D	--	0.00077	--	0.972
LS-PS2A	2025-03-25	LP2A250325M	--	0.101	--	0.00296 U	--	0.984
LS-A567	2025-01-02	L567250102I	0.53	0.518	0.0128	0.0134	214	210
LS-A567	2025-02-04	L567250204I	0.671	0.756 D	0.0136	0.0113	234	239
LS-A567	2025-03-27	L567250327I	0.488	0.55	0.0116	0.0123	222	230
LS-MH46N	2025-01-22	L46N250122D	--	0.0493 U	--	0.00296 U	--	69.4
LS-MH46N	2025-01-22	L46N250122M	--	0.0487 U	--	0.00292 U	--	66.2
LS-MH46N	2025-02-06	L46N250206M	--	0.0503 DU	--	0.00302 U	--	76.9
LS-MH46N	2025-03-25	L46N250325D	--	0.0498 U	--	0.00299 U	--	72.5
LS-MH46N	2025-03-25	L46N250325M	--	0.0501 U	--	0.00301 U	--	72.7

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-01-02	LEPS250102P	--	--	--	--	--	--
LS-LEPS	2025-01-07	LEPS250107P	--	0.072	--	0.001 U	--	0.000501 U
LS-LEPS	2025-01-09	LEPS250109P	--	--	--	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	0.073	--	0.00101 U	--	0.000506 U
LS-LEPS	2025-01-22	LEPS250122M	0.0693	--	0.000988 U	--	0.000494 U	--
LS-LEPS	2025-01-22	LEPS250122P	--	0.0805	--	0.001 U	--	0.0005 U
LS-LEPS	2025-01-24	LEPS250124P	--	--	--	--	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	0.0926	--	0.000994 U	--	0.000497 U
LS-LEPS	2025-01-30	LEPS250130P	--	--	--	--	--	--
LS-LEPS	2025-02-05	LEPS250205P	--	--	--	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	0.0637	--	0.00101 U	--	0.000504 U	--
LS-LEPS	2025-02-06	LEPS250206P	--	0.0778	--	0.00101 U	--	0.000506 U
LS-LEPS	2025-02-11	LEPS250211P	--	0.0736	--	0.001 U	--	0.0005 U
LS-LEPS	2025-02-13	LEPS250213P	--	--	--	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	0.0783	--	0.001 U	--	0.000501 U
LS-LEPS	2025-02-20	LEPS250220P	--	--	--	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	0.0784	--	0.000985 U	--	0.000493 U
LS-LEPS	2025-02-27	LEPS250227P	--	--	--	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	0.0678	--	0.000978 U	--	0.000489 U
LS-LEPS	2025-03-06	LEPS250306P	--	--	--	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	0.0724	--	0.000999 U	--	0.000499 U
LS-LEPS	2025-03-13	LEPS250313P	--	--	--	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	0.0706	--	0.000998 U	--	0.000499 U
LS-LEPS	2025-03-20	LEPS250320P	--	--	--	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	0.0582	--	0.001 U	--	0.000501 U	--
LS-LEPS	2025-03-25	LEPS250325P	--	0.0682	--	0.000999 U	--	0.0005 U
LS-LEPS	2025-03-27	LEPS250327P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	0.118	0.133	0.000982 U	0.00101 U	0.000491 U	0.000503 U
LS-V1A	2025-02-26	LV1A250206M	0.105	0.132	0.001 U	0.00101 U	0.0005 U	0.000506 U
LS-V1A	2025-03-25	LV1A250325M	0.0484	0.0776	0.000996 U	0.000995 U	0.000498 U	0.000498 U
LS-CSW	2025-01-02	LCSW250102I	0.022	0.0227	0.000991 U	0.000975 U	0.000495 U	0.000487 U
LS-CSW	2025-03-27	LCSW250327I	0.0231	0.0288	0.000994 U	0.000997 U	0.000497 U	0.000498 U
LS-PS4	2025-01-02	LP4-250102I	0.0316	0.034	0.000997 U	0.000978 U	0.000498 U	0.000489 U
LS-PS4	2025-02-04	LP4-250204I	0.0518	0.0614	0.000991 U	0.001 U	0.000496 U	0.0005 U
LS-PS4	2025-03-27	LP4-250327I	0.0238	0.0264	0.000995 U	0.000994 U	0.000498 U	0.000497 U
LS-PS1A	2025-01-02	LP1A250102I	0.0457	0.0436	0.000981 U	0.000985 U	0.000491 U	0.000492 U
LS-PS1A	2025-02-04	LP1A250204I	0.0663	0.0684	0.000995 U	0.000999 U	0.000498 U	0.000499 U
LS-PS1A	2025-03-27	LP1A250327I	0.0286	0.0288	0.000996 U	0.000997 U	0.000498 U	0.000498 U
LS-PS2A	2025-01-22	LP2A250122M	--	0.0118	--	0.000996 U	--	0.000498 U
LS-PS2A	2025-02-06	LP2A250206M	--	0.00556	--	0.0001 U	--	0.000056
LS-PS2A	2025-03-25	LP2A250325M	--	0.00494 U	--	0.000988 U	--	0.000494 U
LS-A567	2025-01-02	L567250102I	0.278	0.268	0.001 U	0.00098 U	0.000502 U	0.00049 U
LS-A567	2025-02-04	L567250204I	0.306	0.331	0.000981 U	0.001 U	0.000491 U	0.000502 U
LS-A567	2025-03-27	L567250327I	0.271	0.274	0.000999 U	0.000998 U	0.0005 U	0.000499 U
LS-MH46N	2025-01-22	L46N250122D	--	0.225	--	0.000985 U	--	0.000493 U
LS-MH46N	2025-01-22	L46N250122M	--	0.216	--	0.000975 U	--	0.000487 U
LS-MH46N	2025-02-06	L46N250206M	--	0.263	--	0.00101 U	--	0.000503 U
LS-MH46N	2025-03-25	L46N250325D	--	0.232	--	0.000996 U	--	0.000498 U
LS-MH46N	2025-03-25	L46N250325M	--	0.228	--	0.001 U	--	0.000501 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Calcium, Dissolved	Calcium, Total	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-01-02	LEPS250102P	--	--	--	--	--	--
LS-LEPS	2025-01-07	LEPS250107P	--	74.1	--	0.0502	--	0.0119
LS-LEPS	2025-01-09	LEPS250109P	--	--	--	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	79.1	--	0.0572	--	0.0125
LS-LEPS	2025-01-22	LEPS250122M	80.2	--	0.0581	--	0.0135	--
LS-LEPS	2025-01-22	LEPS250122P	--	78.8	--	0.0609	--	0.0141
LS-LEPS	2025-01-24	LEPS250124P	--	--	--	--	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	82.1	--	0.0757	--	0.0159
LS-LEPS	2025-01-30	LEPS250130P	--	--	--	--	--	--
LS-LEPS	2025-02-05	LEPS250205P	--	--	--	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	62.5	--	0.0949	--	0.0188	--
LS-LEPS	2025-02-06	LEPS250206P	--	63	--	0.0915	--	0.0195
LS-LEPS	2025-02-11	LEPS250211P	--	62	--	0.0914	--	0.0195
LS-LEPS	2025-02-13	LEPS250213P	--	--	--	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	66.9	--	0.0908	--	0.0192
LS-LEPS	2025-02-20	LEPS250220P	--	--	--	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	64.7	--	0.0779	--	0.0169
LS-LEPS	2025-02-27	LEPS250227P	--	--	--	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	63.5	--	0.0598	--	0.0137
LS-LEPS	2025-03-06	LEPS250306P	--	--	--	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	74.3	--	0.0561	--	0.0127
LS-LEPS	2025-03-13	LEPS250313P	--	--	--	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	88.4	--	0.0598	--	0.0139
LS-LEPS	2025-03-20	LEPS250320P	--	--	--	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	86.7	--	0.0524	--	0.0124	--
LS-LEPS	2025-03-25	LEPS250325P	--	83.9	--	0.0534	--	0.0122
LS-LEPS	2025-03-27	LEPS250327P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Calcium, Dissolved	Calcium, Total	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	69.2	70.9	0.116	0.119	0.0238	0.0256
LS-V1A	2025-02-26	LV1A250206M	107	115	0.106	0.107	0.0217	0.0232
LS-V1A	2025-03-25	LV1A250325M	115	122	0.0576	0.065	0.0139	0.0146
LS-CSW	2025-01-02	LCSW250102I	28.4	27.4	0.00389	0.00557	0.0016	0.00201
LS-CSW	2025-03-27	LCSW250327I	73.1	73.3	0.00642	0.00869	0.00155	0.00352
LS-PS4	2025-01-02	LP4-250102I	36.6	36.5	0.0145	0.014	0.00264	0.00306
LS-PS4	2025-02-04	LP4-250204I	59	63	0.0284	0.0308	0.00487	0.00609
LS-PS4	2025-03-27	LP4-250327I	32.1	32.2	0.00558	0.00594	0.00139	0.00153
LS-PS1A	2025-01-02	LP1A250102I	23.2	23.8	0.00675	0.00658	0.00347	0.0035
LS-PS1A	2025-02-04	LP1A250204I	29.3	30.4	0.00995	0.00974	0.00582	0.00561
LS-PS1A	2025-03-27	LP1A250327I	19.2	19.3	0.00441	0.00544	0.0026	0.00264
LS-PS2A	2025-01-22	LP2A250122M	--	30	--	0.00199 U	--	0.000498 U
LS-PS2A	2025-02-06	LP2A250206M	--	11.8	--	0.00148	--	0.000362
LS-PS2A	2025-03-25	LP2A250325M	--	8.84	--	0.00242	--	0.000494 U
LS-A567	2025-01-02	L567250102I	60.3	58.7	0.207	0.182	0.0486	0.0513
LS-A567	2025-02-04	L567250204I	113	115	0.237	0.228	0.0553	0.0569
LS-A567	2025-03-27	L567250327I	92.1	92.2	0.198	0.2	0.052	0.0524
LS-MH46N	2025-01-22	L46N250122D	--	62	--	0.0494	--	0.0203
LS-MH46N	2025-01-22	L46N250122M	--	59.7	--	0.0473	--	0.0196
LS-MH46N	2025-02-06	L46N250206M	--	73.6	--	0.0556	--	0.0212
LS-MH46N	2025-03-25	L46N250325D	--	70.2	--	0.052	--	0.0209
LS-MH46N	2025-03-25	L46N250325M	--	71.4	--	0.0534	--	0.021

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Copper, Dissolved	Copper, Total	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-01-02	LEPS250102P	--	--	--	--	--	--
LS-LEPS	2025-01-07	LEPS250107P	--	0.00987	--	5.71	--	0.00146
LS-LEPS	2025-01-09	LEPS250109P	--	--	--	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	0.00793	--	5.35	--	0.00118
LS-LEPS	2025-01-22	LEPS250122M	0.00198 U	--	4.42	--	0.000988 U	--
LS-LEPS	2025-01-22	LEPS250122P	--	0.00963	--	5.69	--	0.00126
LS-LEPS	2025-01-24	LEPS250124P	--	--	--	--	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	0.00873	--	5.89	--	0.00119
LS-LEPS	2025-01-30	LEPS250130P	--	--	--	--	--	--
LS-LEPS	2025-02-05	LEPS250205P	--	--	--	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	0.0041	--	5.75	--	0.00101 U	--
LS-LEPS	2025-02-06	LEPS250206P	--	0.0079	--	6.06	--	0.00101 U
LS-LEPS	2025-02-11	LEPS250211P	--	0.00816	--	6.29	--	0.001 U
LS-LEPS	2025-02-13	LEPS250213P	--	--	--	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	0.00723	--	6.36 D	--	0.001 U
LS-LEPS	2025-02-20	LEPS250220P	--	--	--	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	0.00872	--	6.14	--	0.000997
LS-LEPS	2025-02-27	LEPS250227P	--	--	--	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	0.00748	--	5.17	--	0.000978 U
LS-LEPS	2025-03-06	LEPS250306P	--	--	--	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	0.007	--	5.36	--	0.000999 U
LS-LEPS	2025-03-13	LEPS250313P	--	--	--	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	0.00684	--	7.11	--	0.000998 U
LS-LEPS	2025-03-20	LEPS250320P	--	--	--	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	0.00245	--	6.99	--	0.001 U	--
LS-LEPS	2025-03-25	LEPS250325P	--	0.00558	--	7.88	--	0.000999 U
LS-LEPS	2025-03-27	LEPS250327P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Copper, Dissolved	Copper, Total	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	0.00337	0.0104	3.52	5.89	0.000982 U	0.0013
LS-V1A	2025-02-26	LV1A250206M	0.00331	0.00804	7.95	10.2 D	0.001 U	0.00131
LS-V1A	2025-03-25	LV1A250325M	0.00358	0.00761	6.34	11.3	0.000996 U	0.000995 U
LS-CSW	2025-01-02	LCSW250102I	0.00198 U	0.00674	1.06	1.7	0.000991 U	0.000975 U
LS-CSW	2025-03-27	LCSW250327I	0.00199 U	0.0118	0.989	4.63	0.000994 U	0.000997 U
LS-PS4	2025-01-02	LP4-250102I	0.0036	0.00809	1.41	2.45	0.000997 U	0.000978 U
LS-PS4	2025-02-04	LP4-250204I	0.00341	0.0075	4.25	9.42 D	0.000991 U	0.00134
LS-PS4	2025-03-27	LP4-250327I	0.00444	0.00877	1.37	2.33	0.000995 U	0.000994 U
LS-PS1A	2025-01-02	LP1A250102I	0.00571	0.00686	0.398	0.492	0.000981 U	0.000985 U
LS-PS1A	2025-02-04	LP1A250204I	0.00448	0.00515	0.674	0.813 D	0.000995 U	0.000999 U
LS-PS1A	2025-03-27	LP1A250327I	0.00701	0.00819	0.422	0.587	0.000996 U	0.000997 U
LS-PS2A	2025-01-22	LP2A250122M	--	0.0168	--	0.501	--	0.000996 U
LS-PS2A	2025-02-06	LP2A250206M	--	0.0169	--	0.585 D	--	0.0001 U
LS-PS2A	2025-03-25	LP2A250325M	--	0.0256	--	0.511	--	0.000988 U
LS-A567	2025-01-02	L567250102I	0.00201 U	0.00285	2.38	3.42	0.001 U	0.00121
LS-A567	2025-02-04	L567250204I	0.00196 U	0.0047	2.08	4.42 D	0.000981 U	0.00193
LS-A567	2025-03-27	L567250327I	0.002 U	0.00349	2.31	3.74	0.000999 U	0.00131
LS-MH46N	2025-01-22	L46N250122D	--	0.00197 U	--	1.7	--	0.000985 U
LS-MH46N	2025-01-22	L46N250122M	--	0.00195 U	--	2.26	--	0.000975 U
LS-MH46N	2025-02-06	L46N250206M	--	0.00201 U	--	1.91 D	--	0.00101 U
LS-MH46N	2025-03-25	L46N250325D	--	0.00199 U	--	1.86	--	0.000996 U
LS-MH46N	2025-03-25	L46N250325M	--	0.002 U	--	1.89	--	0.001 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
LS-LEPS	2025-01-02	LEPS250102P	--	--	--	--	--	--
LS-LEPS	2025-01-07	LEPS250107P	--	34	--	617	--	0.0001 U
LS-LEPS	2025-01-09	LEPS250109P	--	--	--	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	36.3	--	607	--	0.0001 U
LS-LEPS	2025-01-22	LEPS250122M	38.7	--	585	--	0.0001 U	--
LS-LEPS	2025-01-22	LEPS250122P	--	38.4	--	611	--	0.0001 U
LS-LEPS	2025-01-24	LEPS250124P	--	--	--	--	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	43.5	--	620	--	0.0001 U
LS-LEPS	2025-01-30	LEPS250130P	--	--	--	--	--	--
LS-LEPS	2025-02-05	LEPS250205P	--	--	--	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	54	--	282	--	0.0001 U	--
LS-LEPS	2025-02-06	LEPS250206P	--	50.5	--	368	--	0.0001 U
LS-LEPS	2025-02-11	LEPS250211P	--	50.7	--	366	--	0.0001 U
LS-LEPS	2025-02-13	LEPS250213P	--	--	--	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	51.7	--	424	--	0.0001 U
LS-LEPS	2025-02-20	LEPS250220P	--	--	--	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	45.4	--	517	--	0.0001 U
LS-LEPS	2025-02-27	LEPS250227P	--	--	--	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	33.8	--	679	--	0.0001 U
LS-LEPS	2025-03-06	LEPS250306P	--	--	--	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	34.7	--	851	--	0.0001 U
LS-LEPS	2025-03-13	LEPS250313P	--	--	--	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	35.7	--	845	--	0.000125 U
LS-LEPS	2025-03-20	LEPS250320P	--	--	--	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	33.4	--	602	--	0.0001 U	--
LS-LEPS	2025-03-25	LEPS250325P	--	34.2	--	641	--	0.0001 U
LS-LEPS	2025-03-27	LEPS250327P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	62.5	64.8	569	605	0.0001 U	0.0001 U
LS-V1A	2025-02-26	LV1A250206M	60.6	62.1	910	973	0.0001 U	0.0001 U
LS-V1A	2025-03-25	LV1A250325M	35.1	36.3	951	1060	0.0001 U	0.0001 U
LS-CSW	2025-01-02	LCSW250102I	6.87	7.01	358	362	0.0001 U	0.0001 U
LS-CSW	2025-03-27	LCSW250327I	13.6	14.1	612	640	0.0001 U	0.0001 U
LS-PS4	2025-01-02	LP4-250102I	15.1	14.1	472	466	0.0001 U	0.0001 U
LS-PS4	2025-02-04	LP4-250204I	24.8	24.8	782	806	0.0001 U	0.0001 U
LS-PS4	2025-03-27	LP4-250327I	10.7	10.8	432	450	0.0001 U	0.0001 U
LS-PS1A	2025-01-02	LP1A250102I	8.87	8.69	172	176	0.0001 U	0.0001 U
LS-PS1A	2025-02-04	LP1A250204I	12.7	12.6	275	271	0.0001 U	0.0001 U
LS-PS1A	2025-03-27	LP1A250327I	6.93	6.84	112	112	0.0001 U	0.0001 U
LS-PS2A	2025-01-22	LP2A250122M	--	7.07	--	89.7	--	0.0001 U
LS-PS2A	2025-02-06	LP2A250206M	--	4.28	--	63.4	--	0.0001 U
LS-PS2A	2025-03-25	LP2A250325M	--	3.33	--	28.8	--	0.0001 U
LS-A567	2025-01-02	L567250102I	72.7	71	447	427	0.0001 U	0.0001 U
LS-A567	2025-02-04	L567250204I	89.4	88	899	892	0.0001 U	0.0001 U
LS-A567	2025-03-27	L567250327I	69.2	69.5	729	744	0.0001 U	0.0001 U
LS-MH46N	2025-01-22	L46N250122D	--	33.8	--	518	--	0.0001 U
LS-MH46N	2025-01-22	L46N250122M	--	32.2	--	550	--	0.0001 U
LS-MH46N	2025-02-06	L46N250206M	--	38.8	--	594	--	0.0001 U
LS-MH46N	2025-03-25	L46N250325D	--	38.1	--	628	--	0.0001 U
LS-MH46N	2025-03-25	L46N250325M	--	38.3	--	637	--	0.0001 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Nickel, Dissolved	Nickel, Total	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-01-02	LEPS250102P	--	--	--	--	--	--
LS-LEPS	2025-01-07	LEPS250107P	--	0.0506	--	168	--	0.00501 U
LS-LEPS	2025-01-09	LEPS250109P	--	--	--	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	0.0549	--	185	--	0.00506 U
LS-LEPS	2025-01-22	LEPS250122M	0.0632	--	208	--	0.00494 U	--
LS-LEPS	2025-01-22	LEPS250122P	--	0.059	--	202	--	0.005 U
LS-LEPS	2025-01-24	LEPS250124P	--	--	--	--	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	0.0691	--	247	--	0.00497 U
LS-LEPS	2025-01-30	LEPS250130P	--	--	--	--	--	--
LS-LEPS	2025-02-05	LEPS250205P	--	--	--	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	0.085	--	304	--	0.00504 U	--
LS-LEPS	2025-02-06	LEPS250206P	--	0.084	--	292	--	0.00506 U
LS-LEPS	2025-02-11	LEPS250211P	--	0.083	--	290	--	0.005 U
LS-LEPS	2025-02-13	LEPS250213P	--	--	--	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	0.0808	--	300	--	0.00501 U
LS-LEPS	2025-02-20	LEPS250220P	--	--	--	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	0.0698	--	252	--	0.00493 U
LS-LEPS	2025-02-27	LEPS250227P	--	--	--	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	0.0564	--	172	--	0.00489 U
LS-LEPS	2025-03-06	LEPS250306P	--	--	--	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	0.0511	--	175	--	0.00499 U
LS-LEPS	2025-03-13	LEPS250313P	--	--	--	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	0.0549	--	170	--	0.00499 U
LS-LEPS	2025-03-20	LEPS250320P	--	--	--	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	0.0518	--	159	--	0.00501 U	--
LS-LEPS	2025-03-25	LEPS250325P	--	0.0495	--	168	--	0.005 U
LS-LEPS	2025-03-27	LEPS250327P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Nickel, Dissolved	Nickel, Total	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	0.102	0.106	379	386	0.00491 U	0.00503 U
LS-V1A	2025-02-26	LV1A250206M	0.0894	0.0945	342	360	0.005 U	0.00506 U
LS-V1A	2025-03-25	LV1A250325M	0.0569	0.0593	169	183	0.00498 U	0.00498 U
LS-CSW	2025-01-02	LCSW250102I	0.00643	0.00753	15.8	13.3 D	0.00495 U	0.00487 U
LS-CSW	2025-03-27	LCSW250327I	0.00978	0.0133	20.3	20.4	0.00497 U	0.00498 U
LS-PS4	2025-01-02	LP4-250102I	0.0108	0.0124	46.4	38.5 D	0.00498 U	0.00489 U
LS-PS4	2025-02-04	LP4-250204I	0.0187	0.0209	93.5	98.8	0.00496 U	0.005 U
LS-PS4	2025-03-27	LP4-250327I	0.00647	0.00764	19.2	18.9	0.00498 U	0.00497 U
LS-PS1A	2025-01-02	LP1A250102I	0.0143	0.0149	33.8	29.3 D	0.00491 U	0.00492 U
LS-PS1A	2025-02-04	LP1A250204I	0.0219	0.0213	47.7	50	0.00498 U	0.00499 U
LS-PS1A	2025-03-27	LP1A250327I	0.0104	0.0104	19	18.7	0.00498 U	0.00498 U
LS-PS2A	2025-01-22	LP2A250122M	--	0.00595	--	5.5	--	0.00498 U
LS-PS2A	2025-02-06	LP2A250206M	--	0.00641	--	1.42	--	0.0005 U
LS-PS2A	2025-03-25	LP2A250325M	--	0.0105	--	1.11	--	0.00494 U
LS-A567	2025-01-02	L567250102I	0.193	0.205	625	619 D	0.00502 U	0.0049 U
LS-A567	2025-02-04	L567250204I	0.222	0.224	687	697	0.00491 U	0.00502 U
LS-A567	2025-03-27	L567250327I	0.198	0.201	593	589	0.005 U	0.00499 U
LS-MH46N	2025-01-22	L46N250122D	--	0.08	--	211	--	0.00493 U
LS-MH46N	2025-01-22	L46N250122M	--	0.077	--	202	--	0.00487 U
LS-MH46N	2025-02-06	L46N250206M	--	0.0852	--	231	--	0.00503 U
LS-MH46N	2025-03-25	L46N250325D	--	0.0842	--	216	--	0.00498 U
LS-MH46N	2025-03-25	L46N250325M	--	0.0845	--	220	--	0.00501 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Silver, Dissolved	Silver, Total	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-01-02	LEPS250102P	--	--	--	--	--	--
LS-LEPS	2025-01-07	LEPS250107P	--	0.000401 U	--	434	--	0.000752 U
LS-LEPS	2025-01-09	LEPS250109P	--	--	--	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	0.000405 U	--	486	--	0.00076 U
LS-LEPS	2025-01-22	LEPS250122M	0.000395 U	--	546 D	--	0.000741 U	--
LS-LEPS	2025-01-22	LEPS250122P	--	0.0004 U	--	541	--	0.000751 U
LS-LEPS	2025-01-24	LEPS250124P	--	--	--	--	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	0.000397 U	--	640	--	0.000745 U
LS-LEPS	2025-01-30	LEPS250130P	--	--	--	--	--	--
LS-LEPS	2025-02-05	LEPS250205P	--	--	--	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	0.000404 U	--	807	--	0.000757 U	--
LS-LEPS	2025-02-06	LEPS250206P	--	0.000405 U	--	780	--	0.000759 U
LS-LEPS	2025-02-11	LEPS250211P	--	0.0004 U	--	766	--	0.000751 U
LS-LEPS	2025-02-13	LEPS250213P	--	--	--	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	0.000401 DU	--	792	--	0.000751 U
LS-LEPS	2025-02-20	LEPS250220P	--	--	--	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	0.000394 U	--	670	--	0.000739 U
LS-LEPS	2025-02-27	LEPS250227P	--	--	--	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	0.000391 U	--	523	--	0.000734 DU
LS-LEPS	2025-03-06	LEPS250306P	--	--	--	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	0.0004 U	--	473	--	0.000749 U
LS-LEPS	2025-03-13	LEPS250313P	--	--	--	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	0.000399 U	--	513	--	0.000749 U
LS-LEPS	2025-03-20	LEPS250320P	--	--	--	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	0.0004 U	--	490	--	0.000751 U	--
LS-LEPS	2025-03-25	LEPS250325P	--	0.0004 U	--	456	--	0.00075 U
LS-LEPS	2025-03-27	LEPS250327P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Silver, Dissolved	Silver, Total	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	0.000393 U	0.000403 U	1030 D	1010 D	0.000736 U	0.000755 U
LS-V1A	2025-02-26	LV1A250206M	0.0004 U	0.000405 U	916	951	0.00075 U	0.000759 U
LS-V1A	2025-03-25	LV1A250325M	0.000398 U	0.000398 U	517	521	0.000747 U	0.000747 U
LS-CSW	2025-01-02	LCSW250102I	0.000396 U	0.00039 U	38.1	36.1 D	0.000743 U	0.000731 U
LS-CSW	2025-03-27	LCSW250327I	0.000398 U	0.000399 U	55.3	55.6	0.000746 U	0.000748 U
LS-PS4	2025-01-02	LP4-250102I	0.000399 U	0.000391 U	132	122 D	0.000748 U	0.000733 U
LS-PS4	2025-02-04	LP4-250204I	0.000396 U	0.0004 U	271	267	0.000743 U	0.00075 U
LS-PS4	2025-03-27	LP4-250327I	0.000398 U	0.000398 U	64	64.4	0.000746 U	0.000746 U
LS-PS1A	2025-01-02	LP1A250102I	0.000392 U	0.000394 U	125	121 D	0.000736 U	0.000738 U
LS-PS1A	2025-02-04	LP1A250204I	0.000398 U	0.0004 U	187	185	0.000746 U	0.000749 U
LS-PS1A	2025-03-27	LP1A250327I	0.000398 U	0.000399 U	83.4	82.4	0.000747 U	0.000747 U
LS-PS2A	2025-01-22	LP2A250122M	--	0.000398 U	--	6.27 D	--	0.000747 U
LS-PS2A	2025-02-06	LP2A250206M	--	0.00004 U	--	2.64	--	0.000075 U
LS-PS2A	2025-03-25	LP2A250325M	--	0.000395 U	--	2.4	--	0.000741 U
LS-A567	2025-01-02	L567250102I	0.000402 U	0.000392 U	1930	1900 D	0.000754 U	0.000735 U
LS-A567	2025-02-04	L567250204I	0.000392 U	0.00401 DGU	2160	2110	0.000736 U	0.000753 U
LS-A567	2025-03-27	L567250327I	0.0004 U	0.000399 U	1900	1910	0.000749 U	0.000749 U
LS-MH46N	2025-01-22	L46N250122D	--	0.000394 U	--	717 D	--	0.000739 U
LS-MH46N	2025-01-22	L46N250122M	--	0.00039 U	--	719 D	--	0.000731 U
LS-MH46N	2025-02-06	L46N250206M	--	0.000402 DU	--	794	--	0.000754 U
LS-MH46N	2025-03-25	L46N250325D	--	0.000398 U	--	770	--	0.000747 U
LS-MH46N	2025-03-25	L46N250325M	--	0.000401 U	--	773	--	0.000752 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Tin, Dissolved	Tin, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-01-02	LEPS250102P	--	--	--	--	--	--
LS-LEPS	2025-01-07	LEPS250107P	--	0.00501 U	--	0.0149	--	0.21
LS-LEPS	2025-01-09	LEPS250109P	--	--	--	--	--	--
LS-LEPS	2025-01-18	LEPS250118P	--	0.00506 U	--	0.0163	--	0.158
LS-LEPS	2025-01-22	LEPS250122M	0.00499	--	0.0185	--	0.0554	--
LS-LEPS	2025-01-22	LEPS250122P	--	0.005 U	--	0.0177	--	0.185
LS-LEPS	2025-01-24	LEPS250124P	--	--	--	--	--	--
LS-LEPS	2025-01-28	LEPS250128P	--	0.00556	--	0.0226	--	0.159
LS-LEPS	2025-01-30	LEPS250130P	--	--	--	--	--	--
LS-LEPS	2025-02-05	LEPS250205P	--	--	--	--	--	--
LS-LEPS	2025-02-06	LEPS250206M	0.00776	--	0.0276	--	0.0722	--
LS-LEPS	2025-02-06	LEPS250206P	--	0.0069	--	0.0267	--	0.13
LS-LEPS	2025-02-11	LEPS250211P	--	0.00673	--	0.0263	--	0.129
LS-LEPS	2025-02-13	LEPS250213P	--	--	--	--	--	--
LS-LEPS	2025-02-18	LEPS250218P	--	0.00671	--	0.0271	--	0.135
LS-LEPS	2025-02-20	LEPS250220P	--	--	--	--	--	--
LS-LEPS	2025-02-25	LEPS250225P	--	0.00639	--	0.0232	--	0.133
LS-LEPS	2025-02-27	LEPS250227P	--	--	--	--	--	--
LS-LEPS	2025-03-04	LEPS250304P	--	0.00512	--	0.0175 D	--	0.156
LS-LEPS	2025-03-06	LEPS250306P	--	--	--	--	--	--
LS-LEPS	2025-03-12	LEPS250312P	--	0.00499 U	--	0.0161	--	0.186
LS-LEPS	2025-03-13	LEPS250313P	--	--	--	--	--	--
LS-LEPS	2025-03-18	LEPS250318P	--	0.00506	--	0.0175	--	0.192
LS-LEPS	2025-03-20	LEPS250320P	--	--	--	--	--	--
LS-LEPS	2025-03-25	LEPS250325M	0.00501 U	--	0.0155	--	0.0613	--
LS-LEPS	2025-03-25	LEPS250325P	--	0.005 U	--	0.0157	--	0.15
LS-LEPS	2025-03-27	LEPS250327P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Tin, Dissolved	Tin, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-01-22	LV1A250122M	0.0102	0.0102	0.0362	0.0393	0.086	0.195
LS-V1A	2025-02-26	LV1A250206M	0.00947	0.00872	0.0301	0.032	0.0929	0.233
LS-V1A	2025-03-25	LV1A250325M	0.00498 U	0.00568	0.0168	0.0188	0.0958	0.241
LS-CSW	2025-01-02	LCSW250102I	0.00495 U	0.00487 U	0.00194	0.00296	0.00982	0.0461
LS-CSW	2025-03-27	LCSW250327I	0.00497 U	0.00498 U	0.00251	0.00494	0.00497 U	0.204
LS-PS4	2025-01-02	LP4-250102I	0.00498 U	0.00489 U	0.00371	0.00441	0.0216	0.0472
LS-PS4	2025-02-04	LP4-250204I	0.00496 U	0.005 U	0.00701	0.00632	0.0188	0.14
LS-PS4	2025-03-27	LP4-250327I	0.00498 U	0.00497 U	0.0017	0.00214	0.0179	0.0277
LS-PS1A	2025-01-02	LP1A250102I	0.00491 U	0.00492 U	0.00705	0.00722	0.0256	0.026
LS-PS1A	2025-02-04	LP1A250204I	0.00498 U	0.00499 U	0.012	0.0105	0.0236	0.0257
LS-PS1A	2025-03-27	LP1A250327I	0.00498 U	0.00498 U	0.00489	0.00477	0.0193	0.0199
LS-PS2A	2025-01-22	LP2A250122M	--	0.00498 U	--	0.00218	--	0.0142
LS-PS2A	2025-02-06	LP2A250206M	--	0.0005 U	--	0.00185	--	0.0147
LS-PS2A	2025-03-25	LP2A250325M	--	0.00494 U	--	0.00239	--	0.014
LS-A567	2025-01-02	L567250102I	0.0253	0.0239	0.102	0.0997	0.058	0.214
LS-A567	2025-02-04	L567250204I	0.0285	0.0255	0.106	0.106	0.0379	0.361
LS-A567	2025-03-27	L567250327I	0.0261	0.0274	0.0955	0.0977	0.0571	0.214
LS-MH46N	2025-01-22	L46N250122D	--	0.00493 U	--	0.0586	--	0.00493 U
LS-MH46N	2025-01-22	L46N250122M	--	0.00487 U	--	0.0561	--	0.00487 U
LS-MH46N	2025-02-06	L46N250206M	--	0.00503 U	--	0.0627	--	0.00503 U
LS-MH46N	2025-03-25	L46N250325D	--	0.00498 U	--	0.0584	--	0.00498 U
LS-MH46N	2025-03-25	L46N250325M	--	0.00501 U	--	0.0594	--	0.00501 U

-- : Not part of sampling program.

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Aluminum, Dissolved	Aluminum, Total	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total
			mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
LS-LEPS	2025-04-01	LEPS250401P	--	0.55	--	0.00414	--	28.4
LS-LEPS	2025-04-06	LEPS250406P	--	--	--	--	--	27.5
LS-LEPS	2025-04-08	LEPS250408P	--	0.651	--	0.00412	--	30
LS-LEPS	2025-04-10	LEPS250410P	--	--	--	--	--	32.3
LS-LEPS	2025-04-14	LEPS250414D	--	0.943	--	0.00464	--	34.5
LS-LEPS	2025-04-14	LEPS250414M	0.118	--	0.00462	--	30	--
LS-LEPS	2025-04-14	LEPS250414P	--	0.98	--	0.00484	--	35
LS-LEPS	2025-04-17	LEPS250417P	--	--	--	--	--	34.3
LS-LEPS	2025-04-22	LEPS250422P	--	0.47	--	0.00543	--	35.8
LS-LEPS	2025-04-24	LEPS250424P	--	--	--	--	--	39.7
LS-LEPS	2025-04-29	LEPS250429P	--	0.345	--	0.00602	--	45.2
LS-LEPS	2025-05-01	LEPS250501P	--	--	--	--	--	47.3
LS-LEPS	2025-05-06	LEPS250506M	0.16	--	0.00748	--	56.5	--
LS-LEPS	2025-05-06	LEPS250506P	--	0.671	--	0.0079	--	59
LS-LEPS	2025-05-08	LEPS250508P	--	--	--	--	--	61.7
LS-LEPS	2025-05-12	LEPS250512P	--	0.343 D	--	0.00836	--	64.5
LS-LEPS	2025-05-14	LEPS250514P	--	--	--	--	--	70
LS-LEPS	2025-05-19	LEPS250519P	--	0.396	--	0.0101	--	79
LS-LEPS	2025-05-21	LEPS250521P	--	--	--	--	--	80.1
LS-LEPS	2025-05-27	LEPS250527P	--	0.439	--	0.0109	--	87.1
LS-LEPS	2025-05-28	LEPS250528P	--	--	--	--	--	89.2
LS-LEPS	2025-06-02	LEPS250602D	--	0.482	--	0.011	--	95.9
LS-LEPS	2025-06-02	LEPS250602M	0.202	--	0.0118	--	96.6	--
LS-LEPS	2025-06-02	LEPS250602P	--	0.509	--	0.012	--	94.4
LS-LEPS	2025-06-04	LEPS250604P	--	--	--	--	--	99.4
LS-LEPS	2025-06-09	LEPS250609P	--	0.55	--	0.0128	--	104
LS-LEPS	2025-06-11	LEPS250611P	--	--	--	--	--	108
LS-LEPS	2025-06-16	LEPS250616P	--	0.676	--	0.0131	--	110
LS-LEPS	2025-06-18	LEPS250618P	--	--	--	--	--	115
LS-LEPS	2025-06-23	LEPS250623P	--	0.527	--	0.0141	--	121
LS-LEPS	2025-06-25	LEPS250625P	--	--	--	--	--	123
LS-LEPS	2025-06-30	LEPS250630P	--	1.42	--	0.0174	--	134

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Aluminum, Dissolved	Aluminum, Total	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total
			mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
LS-V1A	2025-04-15	LV1A250415M	0.232	0.506	0.00775	0.00787	64.6	70.7
LS-V1A	2025-05-06	LV1A250506M	0.517	0.751	0.0151	0.0159	161	182
LS-V1A	2025-06-03	LV1A250603M	0.532	2.07	0.0167	0.0174	156	162
LS-CSW	2025-04-14	LCSW250414I	0.0499 U	0.577	0.00299 U	0.00298 U	1.88	2.55
LS-CSW	2025-06-02	LCSW250602I	0.0754	7.2	0.00371	0.00472	16.9	25.5
LS-PS4	2025-04-14	LP4-250414I	0.0528	0.146	0.003 U	0.00304	12.2	13.7
LS-PS4	2025-05-07	LP4-250507I	0.185	0.44	0.0127	0.0131	62.6	64.5
LS-PS4	2025-06-02	LP4-250602I	0.144	0.281	0.00879	0.00946	48.3	49.9
LS-PS1A	2025-04-14	LP1A250414I	0.0498 U	0.0718	0.00299 U	0.00299 U	13	14.2
LS-PS1A	2025-05-07	LP1A250507I	0.0498 U	0.0495 U	0.00612	0.00609	35	35.1
LS-PS1A	2025-06-02	LP1A250602D	0.0502 U	0.0505	0.0205	0.0208	134	134
LS-PS1A	2025-06-02	LP1A250602I	0.0501 U	0.0501 U	0.0201	0.0207	131	132
LS-PS2A	2025-04-15	LP2A250415M	--	0.0726	--	0.00297 U	--	0.877
LS-PS2A	2025-05-05	LP2A250505M	--	0.06	--	0.00297 U	--	2.85
LS-PS2A	2025-06-04	LP2A250604M	--	0.0497 U	--	0.00298 U	--	2.35
LS-A567	2025-04-14	L567250414I	0.574	0.711	0.0135	0.015	219	236
LS-A567	2025-05-07	L567250507I	0.724	0.724	0.0186	0.0191	295	298
LS-A567	2025-06-02	L567250602I	0.755	0.782	0.0153	0.0163	289	284
LS-MH46N	2025-04-15	L46N250415M	--	0.0512 U	--	0.00307 U	--	69
LS-MH46N	2025-05-05	L46N250505M	--	0.0506 U	--	0.00304 U	--	78
LS-MH46N	2025-06-04	L46N250604M	--	0.0545	--	0.00302 U	--	94.6

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	0.0548	--	0.001 U	--	0.0005 U
LS-LEPS	2025-04-06	LEPS250406P	--	--	--	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	0.0576	--	0.00101 U	--	0.000504 U
LS-LEPS	2025-04-10	LEPS250410P	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	0.0763 D	--	0.00101 U	--	0.000507 U
LS-LEPS	2025-04-14	LEPS250414M	0.0553	--	0.00101 U	--	0.000507 U	--
LS-LEPS	2025-04-14	LEPS250414P	--	0.0614 D	--	0.00101 U	--	0.000506 U
LS-LEPS	2025-04-17	LEPS250417P	--	--	--	--	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	0.064	--	0.00101 U	--	0.000504 U
LS-LEPS	2025-04-24	LEPS250424P	--	--	--	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	0.0702	--	0.00101 U	--	0.000503 U
LS-LEPS	2025-05-01	LEPS250501P	--	--	--	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	0.0665	--	0.00101 U	--	0.000506 U	--
LS-LEPS	2025-05-06	LEPS250506P	--	0.0864	--	0.001 U	--	0.000502 U
LS-LEPS	2025-05-08	LEPS250508P	--	--	--	--	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	0.0707	--	0.00102 U	--	0.000512 U
LS-LEPS	2025-05-14	LEPS250514P	--	--	--	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	0.0565	--	0.00101 U	--	0.000504 U
LS-LEPS	2025-05-21	LEPS250521P	--	--	--	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	0.0479	--	0.000978 U	--	0.000489 U
LS-LEPS	2025-05-28	LEPS250528P	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	0.0567	--	0.00101 U	--	0.000503 U
LS-LEPS	2025-06-02	LEPS250602M	0.029	--	0.001 U	--	0.000502 U	--
LS-LEPS	2025-06-02	LEPS250602P	--	0.0566	--	0.001 U	--	0.0005 U
LS-LEPS	2025-06-04	LEPS250604P	--	--	--	--	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	0.0522	--	0.000998 U	--	0.000499 U
LS-LEPS	2025-06-11	LEPS250611P	--	--	--	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	0.0531	--	0.000985 U	--	0.000492 U
LS-LEPS	2025-06-18	LEPS250618P	--	--	--	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	0.0592	--	0.00101 U	--	0.000503 U
LS-LEPS	2025-06-25	LEPS250625P	--	--	--	--	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	0.1	--	0.001 U	--	0.0005 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-04-15	LV1A250415M	0.0974	0.104	0.00102 U	0.00101 U	0.000511 U	0.000507 U
LS-V1A	2025-05-06	LV1A250506M	0.197	0.233	0.00101 U	0.00101 U	0.000505 U	0.000505 U
LS-V1A	2025-06-03	LV1A250603M	0.169	0.218	0.001 U	0.001 U	0.000501 U	0.000502 U
LS-CSW	2025-04-14	LCSW250414I	0.023	0.0257	0.000997 U	0.000994 U	0.000499 U	0.000497 U
LS-CSW	2025-06-02	LCSW250602I	0.0472	0.201	0.001 U	0.00101 U	0.000501 U	0.000507 U
LS-PS4	2025-04-14	LP4-250414I	0.029	0.032	0.001 U	0.001 U	0.0005 U	0.0005 U
LS-PS4	2025-05-07	LP4-250507I	0.108	0.117	0.001 U	0.001 U	0.000501 U	0.000501 U
LS-PS4	2025-06-02	LP4-250602I	0.0763	0.0863	0.001 U	0.00101 U	0.000501 U	0.000503 U
LS-PS1A	2025-04-14	LP1A250414I	0.0302	0.0297 D	0.000996 U	0.000997 U	0.000498 U	0.000498 U
LS-PS1A	2025-05-07	LP1A250507I	0.0679	0.0686	0.000995 U	0.000989 U	0.000498 U	0.000495 U
LS-PS1A	2025-06-02	LP1A250602D	0.227	0.227	0.001 U	0.00101 U	0.000502 U	0.000504 U
LS-PS1A	2025-06-02	LP1A250602I	0.229	0.23	0.001 U	0.001 U	0.000501 U	0.000501 U
LS-PS2A	2025-04-15	LP2A250415M	--	0.00495 U	--	0.000989 U	--	0.000495 U
LS-PS2A	2025-05-05	LP2A250505M	--	0.00496 U	--	0.000992 U	--	0.000496 U
LS-PS2A	2025-06-04	LP2A250604M	--	0.00528	--	0.000994 U	--	0.000497 U
LS-A567	2025-04-14	L567250414I	0.293	0.316	0.00102 U	0.00101 U	0.000509 U	0.000506 U
LS-A567	2025-05-07	L567250507I	0.364	0.363	0.001 U	0.001 U	0.0005 U	0.000502 U
LS-A567	2025-06-02	L567250602I	0.386	0.406	0.001 U	0.000995 U	0.0005 U	0.000497 U
LS-MH46N	2025-04-15	L46N250415M	--	0.21	--	0.00102 U	--	0.000512 U
LS-MH46N	2025-05-05	L46N250505M	--	0.237	--	0.00101 U	--	0.000506 U
LS-MH46N	2025-06-04	L46N250604M	--	0.374	--	0.00101 U	--	0.000503 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Calcium, Dissolved	Calcium, Total	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	73.9	--	0.037	--	0.00914
LS-LEPS	2025-04-06	LEPS250406P	--	--	--	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	72.6	--	0.042	--	0.00967
LS-LEPS	2025-04-10	LEPS250410P	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	83.1	--	0.041	--	0.0104
LS-LEPS	2025-04-14	LEPS250414M	79.8	--	0.0396	--	0.00926	--
LS-LEPS	2025-04-14	LEPS250414P	--	84.3	--	0.0419	--	0.0104
LS-LEPS	2025-04-17	LEPS250417P	--	--	--	--	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	75.2	--	0.0466	--	0.0106
LS-LEPS	2025-04-24	LEPS250424P	--	--	--	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	83.5	--	0.0523	--	0.0116
LS-LEPS	2025-05-01	LEPS250501P	--	--	--	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	78.9	--	0.0677	--	0.0147	--
LS-LEPS	2025-05-06	LEPS250506P	--	87.4	--	0.0716	--	0.0154
LS-LEPS	2025-05-08	LEPS250508P	--	--	--	--	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	72.1	--	0.0793	--	0.0163
LS-LEPS	2025-05-14	LEPS250514P	--	--	--	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	60.5	--	0.0915	--	0.0195
LS-LEPS	2025-05-21	LEPS250521P	--	--	--	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	57.3	--	0.106	--	0.0217
LS-LEPS	2025-05-28	LEPS250528P	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	59.5	--	0.115	--	0.0242
LS-LEPS	2025-06-02	LEPS250602M	46	--	0.115	--	0.0237	--
LS-LEPS	2025-06-02	LEPS250602P	--	58	--	0.116	--	0.0243
LS-LEPS	2025-06-04	LEPS250604P	--	--	--	--	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	52.7	--	0.126	--	0.0256
LS-LEPS	2025-06-11	LEPS250611P	--	--	--	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	47	--	0.134	--	0.0282
LS-LEPS	2025-06-18	LEPS250618P	--	--	--	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	49	--	0.147	--	0.0294
LS-LEPS	2025-06-25	LEPS250625P	--	--	--	--	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	67.7	--	0.166	--	0.0332

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Calcium, Dissolved	Calcium, Total	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-04-15	LV1A250415M	94.7	98.7	0.0905	0.0897	0.0182	0.0201
LS-V1A	2025-05-06	LV1A250506M	101	102	0.216	0.254	0.0418	0.0523
LS-V1A	2025-06-03	LV1A250603M	141	145	0.198	0.207	0.041	0.0426
LS-CSW	2025-04-14	LCSW250414I	54.1	56.6	0.00401	0.00494	0.00145	0.00229
LS-CSW	2025-06-02	LCSW250602I	89.5	102	0.0395	0.0764	0.0204	0.027
LS-PS4	2025-04-14	LP4-250414I	39.1	40.9	0.00976	0.00919	0.00217	0.00238
LS-PS4	2025-05-07	LP4-250507I	85.1	84.6	0.0574	0.0589	0.00985	0.0102
LS-PS4	2025-06-02	LP4-250602I	83.2	84.4	0.0408	0.0415	0.00762	0.00789
LS-PS1A	2025-04-14	LP1A250414I	18.5	18.9	0.00455	0.00464	0.00235	0.00255
LS-PS1A	2025-05-07	LP1A250507I	30.4	29.9	0.00977	0.00968	0.0052	0.00516
LS-PS1A	2025-06-02	LP1A250602D	65.9	63.7	0.0309	0.0302	0.0176	0.0174
LS-PS1A	2025-06-02	LP1A250602I	65	64	0.0305	0.032	0.0175	0.0177
LS-PS2A	2025-04-15	LP2A250415M	--	9.41	--	0.00198 U	--	0.000495 U
LS-PS2A	2025-05-05	LP2A250505M	--	10.7	--	0.00198 U	--	0.000496 U
LS-PS2A	2025-06-04	LP2A250604M	--	13	--	0.00199 U	--	0.000497 U
LS-A567	2025-04-14	L567250414I	87.8	108	0.218	0.235	0.0529	0.057
LS-A567	2025-05-07	L567250507I	83.5	81.9	0.267	0.267	0.0653	0.0664
LS-A567	2025-06-02	L567250602I	74.5	71.4	0.296	0.288	0.0715	0.0697
LS-MH46N	2025-04-15	L46N250415M	--	62.6	--	0.0458	--	0.0191
LS-MH46N	2025-05-05	L46N250505M	--	66.6	--	0.051	--	0.0198
LS-MH46N	2025-06-04	L46N250604M	--	81	--	0.0632	--	0.0269

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Copper, Dissolved	Copper, Total	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	0.00692	--	6.27	--	0.001 U
LS-LEPS	2025-04-06	LEPS250406P	--	--	--	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	0.00662	--	5.79	--	0.00101 U
LS-LEPS	2025-04-10	LEPS250410P	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	0.00889	--	7.66	--	0.00114
LS-LEPS	2025-04-14	LEPS250414M	0.00203 U	--	4.87	--	0.00101 U	--
LS-LEPS	2025-04-14	LEPS250414P	--	0.00807	--	7.84	--	0.00101 U
LS-LEPS	2025-04-17	LEPS250417P	--	--	--	--	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	0.00456	--	5.98	--	0.00101 U
LS-LEPS	2025-04-24	LEPS250424P	--	--	--	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	0.00446	--	6.39	--	0.00101 U
LS-LEPS	2025-05-01	LEPS250501P	--	--	--	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	0.00202 U	--	6.01	--	0.00101 U	--
LS-LEPS	2025-05-06	LEPS250506P	--	0.00712	--	7.35	--	0.00104
LS-LEPS	2025-05-08	LEPS250508P	--	--	--	--	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	0.00437	--	6.7 D	--	0.00102 U
LS-LEPS	2025-05-14	LEPS250514P	--	--	--	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	0.00461	--	7.13	--	0.00101 U
LS-LEPS	2025-05-21	LEPS250521P	--	--	--	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	0.0061	--	6.7	--	0.000978 U
LS-LEPS	2025-05-28	LEPS250528P	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	0.00811	--	7.17	--	0.00101 U
LS-LEPS	2025-06-02	LEPS250602M	0.00201 U	--	6	--	0.001 U	--
LS-LEPS	2025-06-02	LEPS250602P	--	0.00704	--	7.1	--	0.001 U
LS-LEPS	2025-06-04	LEPS250604P	--	--	--	--	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	0.00755	--	7.29	--	0.000998 U
LS-LEPS	2025-06-11	LEPS250611P	--	--	--	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	0.00714	--	6.85	--	0.000985 U
LS-LEPS	2025-06-18	LEPS250618P	--	--	--	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	0.00721	--	7.48	--	0.00116
LS-LEPS	2025-06-25	LEPS250625P	--	--	--	--	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	0.0137	--	10.5	--	0.00188

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Copper, Dissolved	Copper, Total	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-04-15	LV1A250415M	0.00236	0.00587	5.6	7.57	0.00102 U	0.00101 U
LS-V1A	2025-05-06	LV1A250506M	0.00202 U	0.00514	8.48	10.1	0.00101 U	0.00135
LS-V1A	2025-06-03	LV1A250603M	0.00505	0.016	10.6	17.5	0.001 U	0.0028
LS-CSW	2025-04-14	LCSW250414I	0.00199 U	0.00586	0.8	2.95	0.000997 U	0.000994 U
LS-CSW	2025-06-02	LCSW250602I	0.00384	0.0526	1.46	25.9	0.001 U	0.00714
LS-PS4	2025-04-14	LP4-250414I	0.00356	0.00736	2.37	3.48	0.001 U	0.001 U
LS-PS4	2025-05-07	LP4-250507I	0.00337	0.00741	6.75	9.16	0.001 U	0.001 U
LS-PS4	2025-06-02	LP4-250602I	0.00421	0.00931	7.23	9.6	0.001 U	0.00101 U
LS-PS1A	2025-04-14	LP1A250414I	0.00662	0.00781	0.246	0.401	0.000996 U	0.000997 U
LS-PS1A	2025-05-07	LP1A250507I	0.00395	0.00456	0.527	0.688	0.000995 U	0.000989 U
LS-PS1A	2025-06-02	LP1A250602D	0.00201 U	0.00219	1.06	1.38	0.001 U	0.00101 U
LS-PS1A	2025-06-02	LP1A250602I	0.002 U	0.00228	1.09	1.43	0.001 U	0.001 U
LS-PS2A	2025-04-15	LP2A250415M	--	0.0214	--	0.658	--	0.000989 U
LS-PS2A	2025-05-05	LP2A250505M	--	0.0171	--	0.622	--	0.000992 U
LS-PS2A	2025-06-04	LP2A250604M	--	0.0129	--	0.312	--	0.000994 U
LS-A567	2025-04-14	L567250414I	0.00204 U	0.00417	2.37	4.69	0.00102 U	0.0016
LS-A567	2025-05-07	L567250507I	0.0045	0.00503	6.01	6	0.00171	0.00192
LS-A567	2025-06-02	L567250602I	0.00314	0.00506	3.82	3.78	0.00124	0.00194
LS-MH46N	2025-04-15	L46N250415M	--	0.00205 U	--	1.91	--	0.00102 U
LS-MH46N	2025-05-05	L46N250505M	--	0.00202 U	--	1.9	--	0.00101 U
LS-MH46N	2025-06-04	L46N250604M	--	0.00201 U	--	2.01	--	0.00101 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	26.5	--	622	--	0.0001 U
LS-LEPS	2025-04-06	LEPS250406P	--	--	--	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	28.8	--	634	--	0.0001 U
LS-LEPS	2025-04-10	LEPS250410P	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	28.5	--	711	--	0.0001 U
LS-LEPS	2025-04-14	LEPS250414M	29.7	--	647	--	0.0001 U	--
LS-LEPS	2025-04-14	LEPS250414P	--	28.9	--	725	--	0.0001 U
LS-LEPS	2025-04-17	LEPS250417P	--	--	--	--	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	31.7	--	614	--	0.0001 U
LS-LEPS	2025-04-24	LEPS250424P	--	--	--	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	31.9	--	639	--	0.0001 U
LS-LEPS	2025-05-01	LEPS250501P	--	--	--	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	40.1	--	360	--	0.0001 U	--
LS-LEPS	2025-05-06	LEPS250506P	--	39.4	--	705	--	0.0001 U
LS-LEPS	2025-05-08	LEPS250508P	--	--	--	--	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	45	--	338 D	--	0.0001 U
LS-LEPS	2025-05-14	LEPS250514P	--	--	--	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	52.6	--	209	--	0.0001 U
LS-LEPS	2025-05-21	LEPS250521P	--	--	--	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	51.7	--	175	--	0.0001 U
LS-LEPS	2025-05-28	LEPS250528P	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	56.9	--	251	--	0.0001 U
LS-LEPS	2025-06-02	LEPS250602M	57.6	--	49.1 D	--	0.0001 U	--
LS-LEPS	2025-06-02	LEPS250602P	--	57.6	--	253	--	0.0001 U
LS-LEPS	2025-06-04	LEPS250604P	--	--	--	--	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	64.4	--	223	--	0.0001 U
LS-LEPS	2025-06-11	LEPS250611P	--	--	--	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	60.9	--	227	--	0.0001 U
LS-LEPS	2025-06-18	LEPS250618P	--	--	--	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	70.3	--	241	--	0.0001 U
LS-LEPS	2025-06-25	LEPS250625P	--	--	--	--	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	77.4	--	574	--	0.0001 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
LS-V1A	2025-04-15	LV1A250415M	49.8	49.6	833	863	0.0001 U	0.0001 U
LS-V1A	2025-05-06	LV1A250506M	91.7	105	845	751	0.0001 U	0.0001
LS-V1A	2025-06-03	LV1A250603M	92.2	90.4	1220 D	1280	0.0001 U	0.0001 U
LS-CSW	2025-04-14	LCSW250414I	12.3	12.1	487	503	0.0001 U	0.0001 U
LS-CSW	2025-06-02	LCSW250602I	35.6	39.6	451 D	815	0.000105	0.000453
LS-PS4	2025-04-14	LP4-250414I	15.2	14.3	584	602	0.0001 U	0.0001 U
LS-PS4	2025-05-07	LP4-250507I	36.9	36.6	1300	1330	0.0001 U	0.0001 U
LS-PS4	2025-06-02	LP4-250602I	36.7	35.6	1280 D	1310	0.0001 U	0.0001 U
LS-PS1A	2025-04-14	LP1A250414I	7.11	6.86	88.1	91.1	0.0001 U	0.0001 U
LS-PS1A	2025-05-07	LP1A250507I	11.7	11.9	228	228	0.0001 U	0.0001 U
LS-PS1A	2025-06-02	LP1A250602D	31.7	30.5	622 D	596	0.0001 U	0.0001 U
LS-PS1A	2025-06-02	LP1A250602I	31.7	31.2	618 D	613	0.0001 U	0.0001 U
LS-PS2A	2025-04-15	LP2A250415M	--	3.32	--	21.3	--	0.0001 U
LS-PS2A	2025-05-05	LP2A250505M	--	4.06	--	13.6	--	0.0001 U
LS-PS2A	2025-06-04	LP2A250604M	--	4.92	--	21	--	0.0001 U
LS-A567	2025-04-14	L567250414I	72.1	81.8	681	869	0.0001 U	0.0001 U
LS-A567	2025-05-07	L567250507I	75.7	76.6	591	575	0.0001 U	0.0001 U
LS-A567	2025-06-02	L567250602I	83.7	78.5	540 D	505	0.0001 U	0.0001 U
LS-MH46N	2025-04-15	L46N250415M	--	34.6	--	591	--	0.0001 U
LS-MH46N	2025-05-05	L46N250505M	--	35.1	--	654	--	0.0001 U
LS-MH46N	2025-06-04	L46N250604M	--	43	--	683	--	0.0001 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Nickel, Dissolved	Nickel, Total	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	0.0355	--	119	--	0.005 U
LS-LEPS	2025-04-06	LEPS250406P	--	--	--	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	0.0389	--	132	--	0.00504 U
LS-LEPS	2025-04-10	LEPS250410P	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	0.0431	--	144	--	0.00507 U
LS-LEPS	2025-04-14	LEPS250414M	0.0415	--	138	--	0.00507 U	--
LS-LEPS	2025-04-14	LEPS250414P	--	0.0428	--	144	--	0.00506 U
LS-LEPS	2025-04-17	LEPS250417P	--	--	--	--	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	0.0434	--	153	--	0.00504 U
LS-LEPS	2025-04-24	LEPS250424P	--	--	--	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	0.0487	--	155	--	0.00503 U
LS-LEPS	2025-05-01	LEPS250501P	--	--	--	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	0.0643	--	224	--	0.00506 U	--
LS-LEPS	2025-05-06	LEPS250506P	--	0.0633	--	216	--	0.00502 U
LS-LEPS	2025-05-08	LEPS250508P	--	--	--	--	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	0.0684	--	248	--	0.00512 U
LS-LEPS	2025-05-14	LEPS250514P	--	--	--	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	0.0788	--	306	--	0.00504 U
LS-LEPS	2025-05-21	LEPS250521P	--	--	--	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	0.0911	--	320	--	0.00489 U
LS-LEPS	2025-05-28	LEPS250528P	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	0.1	--	370	--	0.00503 U
LS-LEPS	2025-06-02	LEPS250602M	0.102	--	398	--	0.00502 U	--
LS-LEPS	2025-06-02	LEPS250602P	--	0.0995	--	357	--	0.005 U
LS-LEPS	2025-06-04	LEPS250604P	--	--	--	--	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	0.104	--	396	--	0.00499 U
LS-LEPS	2025-06-11	LEPS250611P	--	--	--	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	0.114	--	417	--	0.00492 U
LS-LEPS	2025-06-18	LEPS250618P	--	--	--	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	0.121	--	472	--	0.00503 U
LS-LEPS	2025-06-25	LEPS250625P	--	--	--	--	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	0.133	--	496	--	0.005 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Nickel, Dissolved	Nickel, Total	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-04-15	LV1A250415M	0.077	0.0818	289	302	0.00511 U	0.00507 U
LS-V1A	2025-05-06	LV1A250506M	0.176	0.216	663	777	0.00505 U	0.00549
LS-V1A	2025-06-03	LV1A250603M	0.165	0.172	664	629	0.00501 U	0.00502 U
LS-CSW	2025-04-14	LCSW250414I	0.00846	0.00975	17.8	19.1	0.00499 U	0.00497 U
LS-CSW	2025-06-02	LCSW250602I	0.0886	0.102	119	128	0.00501 U	0.00507 U
LS-PS4	2025-04-14	LP4-250414I	0.00875	0.00939	36.8	38.1	0.005 U	0.005 U
LS-PS4	2025-05-07	LP4-250507I	0.0355	0.0363	156	155	0.00501 U	0.00501 U
LS-PS4	2025-06-02	LP4-250602I	0.0247	0.0262	130	140	0.00501 U	0.00503 U
LS-PS1A	2025-04-14	LP1A250414I	0.0106	0.0116	22.7	24.2	0.00498 U	0.00498 U
LS-PS1A	2025-05-07	LP1A250507I	0.0218	0.0218	47.6	47.9	0.00498 U	0.00495 U
LS-PS1A	2025-06-02	LP1A250602D	0.069	0.0681	150	155	0.00502 U	0.00504 U
LS-PS1A	2025-06-02	LP1A250602I	0.0679	0.0692	147	160	0.00501 U	0.00501 U
LS-PS2A	2025-04-15	LP2A250415M	--	0.00643	--	1.39	--	0.00495 U
LS-PS2A	2025-05-05	LP2A250505M	--	0.00546	--	1.41	--	0.00496 U
LS-PS2A	2025-06-04	LP2A250604M	--	0.00464	--	2.94	--	0.00497 U
LS-A567	2025-04-14	L567250414I	0.205	0.219	620	651	0.00509 U	0.00506 U
LS-A567	2025-05-07	L567250507I	0.247	0.248	729	733	0.005 U	0.00502 U
LS-A567	2025-06-02	L567250602I	0.269	0.264	848	766	0.00504	0.00497 U
LS-MH46N	2025-04-15	L46N250415M	--	0.0766	--	203	--	0.00512 U
LS-MH46N	2025-05-05	L46N250505M	--	0.0793	--	206	--	0.00506 U
LS-MH46N	2025-06-04	L46N250604M	--	0.109	--	252	--	0.00503 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Silver, Dissolved	Silver, Total	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	0.0004 U	--	314	--	0.00075 DU
LS-LEPS	2025-04-06	LEPS250406P	--	--	--	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	0.000403 U	--	349	--	0.000756 U
LS-LEPS	2025-04-10	LEPS250410P	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	0.000405 U	--	395	--	0.00076 U
LS-LEPS	2025-04-14	LEPS250414M	0.000405 U	--	382	--	0.00076 U	--
LS-LEPS	2025-04-14	LEPS250414P	--	0.000405 U	--	396	--	0.000759 U
LS-LEPS	2025-04-17	LEPS250417P	--	--	--	--	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	0.000403 U	--	420	--	0.000756 U
LS-LEPS	2025-04-24	LEPS250424P	--	--	--	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	0.000402 U	--	464	--	0.000754 U
LS-LEPS	2025-05-01	LEPS250501P	--	--	--	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	0.000405 U	--	642	--	0.000759 U	--
LS-LEPS	2025-05-06	LEPS250506P	--	0.000401 U	--	615	--	0.000752 U
LS-LEPS	2025-05-08	LEPS250508P	--	--	--	--	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	0.000409 U	--	685	--	0.000767 U
LS-LEPS	2025-05-14	LEPS250514P	--	--	--	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	0.000403 U	--	820	--	0.000756 U
LS-LEPS	2025-05-21	LEPS250521P	--	--	--	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	0.000391 U	--	912	--	0.000734 U
LS-LEPS	2025-05-28	LEPS250528P	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	0.000403 U	--	969	--	0.000755 U
LS-LEPS	2025-06-02	LEPS250602M	0.000402 U	--	1040	--	0.000753 U	--
LS-LEPS	2025-06-02	LEPS250602P	--	0.0004 U	--	970	--	0.00075 U
LS-LEPS	2025-06-04	LEPS250604P	--	--	--	--	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	0.000399 U	--	1090	--	0.000748 DU
LS-LEPS	2025-06-11	LEPS250611P	--	--	--	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	0.000394 U	--	1140	--	0.000739 U
LS-LEPS	2025-06-18	LEPS250618P	--	--	--	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	0.000403 U	--	1230	--	0.000755 U
LS-LEPS	2025-06-25	LEPS250625P	--	--	--	--	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	0.0004 U	--	1350	--	0.00075 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Silver, Dissolved	Silver, Total	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-04-15	LV1A250415M	0.000408 U	0.000406 U	766	814	0.000766 U	0.00076 U
LS-V1A	2025-05-06	LV1A250506M	0.000404 U	0.000404 U	1750	2050	0.000757 U	0.000758 U
LS-V1A	2025-06-03	LV1A250603M	0.000401 U	0.000402 U	1680	1700	0.000752 U	0.000754 U
LS-CSW	2025-04-14	LCSW250414I	0.000399 U	0.000398 U	42.6	44.8	0.000748 U	0.000746 U
LS-CSW	2025-06-02	LCSW250602I	0.000401 U	0.000405 U	503	502	0.000752 U	0.00076 U
LS-PS4	2025-04-14	LP4-250414I	0.0004 U	0.0004 U	107	115	0.00075 U	0.00075 U
LS-PS4	2025-05-07	LP4-250507I	0.0004 U	0.0004 U	469	467	0.000751 U	0.000751 U
LS-PS4	2025-06-02	LP4-250602I	0.000401 U	0.000402 U	421	412	0.000752 U	0.000754 U
LS-PS1A	2025-04-14	LP1A250414I	0.000398 U	0.000399 U	86.3	93.1	0.000747 U	0.000748 U
LS-PS1A	2025-05-07	LP1A250507I	0.000398 U	0.000396 U	197	198	0.000746 U	0.000742 U
LS-PS1A	2025-06-02	LP1A250602D	0.000401 U	0.000403 U	660	639	0.000753 U	0.000755 U
LS-PS1A	2025-06-02	LP1A250602I	0.0004 U	0.0004 U	661	659	0.000751 U	0.000751 U
LS-PS2A	2025-04-15	LP2A250415M	--	0.000396 U	--	2.93	--	0.000742 U
LS-PS2A	2025-05-05	LP2A250505M	--	0.000397 U	--	2.72	--	0.000744 U
LS-PS2A	2025-06-04	LP2A250604M	--	0.000398 U	--	8.44	--	0.000745 U
LS-A567	2025-04-14	L567250414I	0.000407 U	0.000405 U	1940	2120	0.000764 U	0.000759 U
LS-A567	2025-05-07	L567250507I	0.0004 U	0.000402 U	2370	2390	0.00075 U	0.000753 U
LS-A567	2025-06-02	L567250602I	0.0004 U	0.000398 U	2670 D	2510 D	0.00075 U	0.000746 U
LS-MH46N	2025-04-15	L46N250415M	--	0.00041 U	--	715	--	0.000768 U
LS-MH46N	2025-05-05	L46N250505M	--	0.000405 U	--	745	--	0.000759 U
LS-MH46N	2025-06-04	L46N250604M	--	0.000403 U	--	930	--	0.000755 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Tin, Dissolved	Tin, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-04-01	LEPS250401P	--	0.005 U	--	0.0114	--	0.148
LS-LEPS	2025-04-06	LEPS250406P	--	--	--	--	--	--
LS-LEPS	2025-04-08	LEPS250408P	--	0.00504 U	--	0.0131	--	0.133
LS-LEPS	2025-04-10	LEPS250410P	--	--	--	--	--	--
LS-LEPS	2025-04-14	LEPS250414D	--	0.00507 U	--	0.0142	--	0.154
LS-LEPS	2025-04-14	LEPS250414M	0.00507 U	--	0.0114 D	--	0.0277	--
LS-LEPS	2025-04-14	LEPS250414P	--	0.00506 U	--	0.0145	--	0.152
LS-LEPS	2025-04-17	LEPS250417P	--	--	--	--	--	--
LS-LEPS	2025-04-22	LEPS250422P	--	0.00504 U	--	0.0136	--	0.0956
LS-LEPS	2025-04-24	LEPS250424P	--	--	--	--	--	--
LS-LEPS	2025-04-29	LEPS250429P	--	0.00503 U	--	0.0155	--	0.0999
LS-LEPS	2025-05-01	LEPS250501P	--	--	--	--	--	--
LS-LEPS	2025-05-06	LEPS250506M	0.0059	--	0.0204	--	0.0329	--
LS-LEPS	2025-05-06	LEPS250506P	--	0.00544	--	0.0212	--	0.157
LS-LEPS	2025-05-08	LEPS250508P	--	--	--	--	--	--
LS-LEPS	2025-05-12	LEPS250512P	--	0.0073	--	0.0231	--	0.097
LS-LEPS	2025-05-14	LEPS250514P	--	--	--	--	--	--
LS-LEPS	2025-05-19	LEPS250519P	--	0.00697	--	0.0272	--	0.107
LS-LEPS	2025-05-21	LEPS250521P	--	--	--	--	--	--
LS-LEPS	2025-05-27	LEPS250527P	--	0.0104	--	0.0316	--	0.125
LS-LEPS	2025-05-28	LEPS250528P	--	--	--	--	--	--
LS-LEPS	2025-06-02	LEPS250602D	--	0.00841	--	0.0328	--	0.151
LS-LEPS	2025-06-02	LEPS250602M	0.00987	--	0.0342	--	0.0531	--
LS-LEPS	2025-06-02	LEPS250602P	--	0.00921	--	0.0329	--	0.148
LS-LEPS	2025-06-04	LEPS250604P	--	--	--	--	--	--
LS-LEPS	2025-06-09	LEPS250609P	--	0.0106	--	0.0374	--	0.147
LS-LEPS	2025-06-11	LEPS250611P	--	--	--	--	--	--
LS-LEPS	2025-06-16	LEPS250616P	--	0.00852 D	--	0.0387	--	0.16
LS-LEPS	2025-06-18	LEPS250618P	--	--	--	--	--	--
LS-LEPS	2025-06-23	LEPS250623P	--	0.0118	--	0.0429	--	0.18
LS-LEPS	2025-06-25	LEPS250625P	--	--	--	--	--	--
LS-LEPS	2025-06-30	LEPS250630P	--	0.0097 G	--	0.0489	--	0.297

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Tin, Dissolved	Tin, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-04-15	LV1A250415M	0.00799	0.00783	0.0256 D	0.0272	0.0615	0.177
LS-V1A	2025-05-06	LV1A250506M	0.0184	0.0214	0.0632	0.079	0.065	0.203
LS-V1A	2025-06-03	LV1A250603M	0.018	0.0152	0.0545	0.0605	0.138	0.389
LS-CSW	2025-04-14	LCSW250414I	0.00499 U	0.00497 U	0.00255 D	0.00333	0.00499 U	0.0944
LS-CSW	2025-06-02	LCSW250602I	0.00501 U	0.00767 G	0.0127	0.0389	0.0448	0.624
LS-PS4	2025-04-14	LP4-250414I	0.005 U	0.005 U	0.00245 D	0.00296	0.0179	0.0274
LS-PS4	2025-05-07	LP4-250507I	0.00824	0.00872	0.0126	0.0134	0.0214	0.053
LS-PS4	2025-06-02	LP4-250602I	0.00501 U	0.00503 U	0.00774	0.00855	0.0279	0.0736
LS-PS1A	2025-04-14	LP1A250414I	0.00498 U	0.00498 U	0.00577 D	0.00541	0.0163	0.0194
LS-PS1A	2025-05-07	LP1A250507I	0.00498 U	0.00495 U	0.012	0.012	0.015	0.016
LS-PS1A	2025-06-02	LP1A250602D	0.00502 U	0.00504 U	0.0385	0.0378	0.00671	0.00774
LS-PS1A	2025-06-02	LP1A250602I	0.00501 U	0.00501 U	0.0385	0.0393	0.00685	0.00726
LS-PS2A	2025-04-15	LP2A250415M	--	0.00495 U	--	0.00202	--	0.0136
LS-PS2A	2025-05-05	LP2A250505M	--	0.00496 U	--	0.00223	--	0.0143
LS-PS2A	2025-06-04	LP2A250604M	--	0.00497 U	--	0.000767	--	0.0186
LS-A567	2025-04-14	L567250414I	0.0319	0.0339	0.0984 D	0.102	0.0707	0.237
LS-A567	2025-05-07	L567250507I	0.0406	0.0422	0.123	0.124	0.221	0.257
LS-A567	2025-06-02	L567250602I	0.0449	0.0458	0.135	0.132	0.108	0.191
LS-MH46N	2025-04-15	L46N250415M	--	0.00512 U	--	0.0518	--	0.00512 U
LS-MH46N	2025-05-05	L46N250505M	--	0.00506 U	--	0.0584	--	0.00506 U
LS-MH46N	2025-06-04	L46N250604M	--	0.00503 U	--	0.0767	--	0.00503 U

-- : Not part of sampling program.

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Aluminum, Dissolved	Aluminum, Total	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total
			mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
LS-LEPS	2025-07-02	LEPS250702P	--	--	--	--	--	132
LS-LEPS	2025-07-08	LEPS250708M	0.516	--	0.0179	--	149	--
LS-LEPS	2025-07-08	LEPS250708P	--	1.04	--	0.0158	--	142
LS-LEPS	2025-07-10	LEPS250710P	--	--	--	--	--	140
LS-LEPS	2025-07-15	LEPS250715P	--	1.17	--	0.0159	--	149
LS-LEPS	2025-07-17	LEPS250717P	--	--	--	--	--	149
LS-LEPS	2025-07-22	LEPS250722P	--	0.707	--	0.0169	--	159
LS-LEPS	2025-07-24	LEPS250724P	--	--	--	--	--	168
LS-LEPS	2025-07-29	LEPS250729P	--	1.12	--	0.0183	--	173
LS-LEPS	2025-07-31	LEPS250731P	--	--	--	--	--	171
LS-LEPS	2025-08-05	LEPS250805M	0.277	0.418	0.0181	0.0195	169	171
LS-LEPS	2025-08-07	LEPS250807P	--	0.631	--	0.018	--	168
LS-LEPS	2025-08-12	LEPS250812P	--	0.618	--	0.0194	--	180
LS-LEPS	2025-08-14	LEPS250814P	--	--	--	--	--	182
LS-LEPS	2025-08-19	LEPS250819P	--	0.682	--	0.0178	--	179
LS-LEPS	2025-08-21	LEPS250821D	--	--	--	--	--	178
LS-LEPS	2025-08-21	LEPS250821P	--	--	--	--	--	179
LS-LEPS	2025-09-09	LEPS250909M	0.349	--	0.0191	--	188	--
LS-LEPS	2025-09-23	LEPS250923P	--	0.888	--	0.0205	--	197
LS-LEPS	2025-09-25	LEPS250925P	--	--	--	--	--	200
LS-LEPS	2025-09-29	LEPS250929P	--	1.14	--	0.0215	--	205

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Aluminum, Dissolved	Aluminum, Total	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total
			mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
LS-V1A	2025-07-09	LV1A250709M	0.572	1.22	0.0243	0.0238	200	203
LS-V1A	2025-08-05	LV1A250805M	0.67	1.12	0.023	0.0248	227	229
LS-V1A	2025-09-09	LV1A250909M	0.847	1.23	0.0225	0.0187	236	244
LS-PS4	2025-07-10	LP4-250710I	0.226	0.509	0.0148	0.0144	77.1	75.5
LS-PS4	2025-08-07	LP4-250807I	0.0499 U	0.831	0.00339	0.00385	21	21.1
LS-PS1A	2025-07-10	LP1A250710I	0.0509 U	0.0507 U	0.0311	0.0291	209	203
LS-PS1A	2025-08-07	LP1A250807I	0.05 U	0.1	0.0297	0.0314	201	196
LS-PS2A	2025-07-09	LP2A250709M	--	0.0527	--	0.00298 U	--	1.98
LS-PS2A	2025-08-05	LP2A250805M	--	0.101	--	0.00298 U	--	2.26
LS-PS2A	2025-09-09	LP2A250909M	--	0.0488 U	--	0.00593	--	14.3
LS-A567	2025-07-10	L567250710I	0.978	1.06	0.0203	0.0194	298	301
LS-A567	2025-08-07	L567250807I	0.94	1.04	0.0168	0.0178	286	276
LS-A567	2025-09-11	L567250911I	1.16	1.32	0.0113	0.0114	259	273
LS-MH46N	2025-07-09	L46N250709M	--	0.0506 U	--	0.00303 U	--	102
LS-MH46N	2025-08-05	L46N250805M	--	0.0504 U	--	0.00302 U	--	99
LS-MH46N	2025-09-09	L46N250909M	--	0.0494 U	--	0.00296 U	--	100

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-07-02	LEPS250702P	--	--	--	--	--	--
LS-LEPS	2025-07-08	LEPS250708M	0.0441	--	0.000997 U	--	0.000498 U	--
LS-LEPS	2025-07-08	LEPS250708P	--	0.0977	--	0.000992 U	--	0.000496 U
LS-LEPS	2025-07-10	LEPS250710P	--	--	--	--	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	0.11	--	0.000971 U	--	0.000486 U
LS-LEPS	2025-07-17	LEPS250717P	--	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	0.0838	--	0.000993 U	--	0.000497 U
LS-LEPS	2025-07-24	LEPS250724P	--	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	0.114	--	0.00101 U	--	0.000503 U
LS-LEPS	2025-07-31	LEPS250731P	--	--	--	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	0.027	0.0661	0.000996 U	0.000997 U	0.000498 U	0.000499 U
LS-LEPS	2025-08-07	LEPS250807P	--	0.0876	--	0.00097 U	--	0.00048 U
LS-LEPS	2025-08-12	LEPS250812P	--	0.0823	--	0.00099 U	--	0.00049 U
LS-LEPS	2025-08-14	LEPS250814P	--	--	--	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	0.086	--	0.001 U	--	0.0005 U
LS-LEPS	2025-08-21	LEPS250821D	--	--	--	--	--	--
LS-LEPS	2025-08-21	LEPS250821P	--	--	--	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	0.0229	--	0.000996 U	--	0.000498 U	--
LS-LEPS	2025-09-23	LEPS250923P	--	0.0971	--	0.00099 U	--	0.00049 U
LS-LEPS	2025-09-25	LEPS250925P	--	--	--	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	0.108	--	0.001 U	--	0.0005 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-07-09	LV1A250709M	0.186	0.263	0.00101 U	0.00101 U	0.000506 U	0.000505 U
LS-V1A	2025-08-05	LV1A250805M	0.161	0.273	0.000999 U	0.001 U	0.000499 U	0.000501 U
LS-V1A	2025-09-09	LV1A250909M	0.254	0.354	0.000994 U	0.000973 U	0.000497 U	0.000486 U
LS-PS4	2025-07-10	LP4-250710I	0.0644	0.0904	0.00102 U	0.00101 U	0.000508 U	0.000506 U
LS-PS4	2025-08-07	LP4-250807I	0.0246	0.0333	0.000997 U	0.000985 U	0.000499 U	0.000493 U
LS-PS1A	2025-07-10	LP1A250710I	0.323	0.333	0.00102 U	0.00101 U	0.000509 U	0.000507 U
LS-PS1A	2025-08-07	LP1A250807I	0.287	0.29	0.000999 U	0.00102 U	0.0005 U	0.000508 U
LS-PS2A	2025-07-09	LP2A250709M	--	0.00497 U	--	0.000995 U	--	0.000497 U
LS-PS2A	2025-08-05	LP2A250805M	--	0.00591	--	0.000992 U	--	0.000496 U
LS-PS2A	2025-09-09	LP2A250909M	--	0.00783	--	0.000977 U	--	0.000488 U
LS-A567	2025-07-10	L567250710I	0.354	0.389	0.001 U	0.000997 U	0.000501 U	0.000499 U
LS-A567	2025-08-07	L567250807I	0.358	0.355	0.001 U	0.00101 U	0.000501 U	0.000504 U
LS-A567	2025-09-11	L567250911I	0.398	0.393	0.000995 U	0.001 U	0.000498 U	0.000501 U
LS-MH46N	2025-07-09	L46N250709M	--	0.445	--	0.00101 U	--	0.000506 U
LS-MH46N	2025-08-05	L46N250805M	--	0.443	--	0.00101 U	--	0.000504 U
LS-MH46N	2025-09-09	L46N250909M	--	0.471	--	0.000988 U	--	0.000494 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Calcium, Dissolved	Calcium, Total	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-07-02	LEPS250702P	--	--	--	--	--	--
LS-LEPS	2025-07-08	LEPS250708M	42.5	--	0.178	--	0.036	--
LS-LEPS	2025-07-08	LEPS250708P	--	67	--	0.175	--	0.0359
LS-LEPS	2025-07-10	LEPS250710P	--	--	--	--	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	72.7	--	0.18	--	0.0372
LS-LEPS	2025-07-17	LEPS250717P	--	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	59.3	--	0.203	--	0.0395
LS-LEPS	2025-07-24	LEPS250724P	--	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	70.8	--	0.216	--	0.0408
LS-LEPS	2025-07-31	LEPS250731P	--	--	--	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	30.2	43.9	0.218	0.216	0.041	0.043
LS-LEPS	2025-08-07	LEPS250807P	--	52.4	--	0.213	--	0.0421
LS-LEPS	2025-08-12	LEPS250812P	--	54.2	--	0.224	--	0.042
LS-LEPS	2025-08-14	LEPS250814P	--	--	--	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	53.2	--	0.222	--	0.0431
LS-LEPS	2025-08-21	LEPS250821D	--	--	--	--	--	--
LS-LEPS	2025-08-21	LEPS250821P	--	--	--	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	29.5	--	0.244	--	0.0447	--
LS-LEPS	2025-09-23	LEPS250923P	--	53.5	--	0.244	--	0.047
LS-LEPS	2025-09-25	LEPS250925P	--	--	--	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	57.7	--	0.264	--	0.0485

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Calcium, Dissolved	Calcium, Total	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-07-09	LV1A250709M	170	171	0.199	0.205	0.0382	0.0417
LS-V1A	2025-08-05	LV1A250805M	195	199	0.219	0.23	0.0448	0.0476
LS-V1A	2025-09-09	LV1A250909M	165	169	0.307	0.297	0.0515	0.0552
LS-PS4	2025-07-10	LP4-250710I	98.9	95.5	0.0677	0.0656	0.0109	0.0115
LS-PS4	2025-08-07	LP4-250807I	30.9	30.9	0.00366	0.0051	0.00266	0.00306
LS-PS1A	2025-07-10	LP1A250710I	82.1	81.8	0.0479	0.0475	0.0269	0.0264
LS-PS1A	2025-08-07	LP1A250807I	74.3	73.2	0.0426	0.0436	0.0254	0.0257
LS-PS2A	2025-07-09	LP2A250709M	--	15.1	--	0.00199 U	--	0.000497 U
LS-PS2A	2025-08-05	LP2A250805M	--	20.3	--	0.00198 U	--	0.00159
LS-PS2A	2025-09-09	LP2A250909M	--	21.2	--	0.00195 U	--	0.000488 U
LS-A567	2025-07-10	L567250710I	58.6	55.5 D	0.357	0.375	0.0747	0.0723 D
LS-A567	2025-08-07	L567250807I	59.2	58.9	0.357	0.352	0.0762	0.0773
LS-A567	2025-09-11	L567250911I	61.8	59.7	0.37	0.361	0.0749	0.0806
LS-MH46N	2025-07-09	L46N250709M	--	94.7	--	0.0826	--	0.0325
LS-MH46N	2025-08-05	L46N250805M	--	93.7	--	0.0826	--	0.0347
LS-MH46N	2025-09-09	L46N250909M	--	99.3	--	0.0872	--	0.0368

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Copper, Dissolved	Copper, Total	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-07-02	LEPS250702P	--	--	--	--	--	--
LS-LEPS	2025-07-08	LEPS250708M	0.00779	--	8.61	--	0.00141	--
LS-LEPS	2025-07-08	LEPS250708P	--	0.0133	--	10.1	--	0.00216
LS-LEPS	2025-07-10	LEPS250710P	--	--	--	--	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	0.0112	--	9.5	--	0.00179
LS-LEPS	2025-07-17	LEPS250717P	--	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	0.00674	--	8.64	--	0.00126
LS-LEPS	2025-07-24	LEPS250724P	--	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	0.00967	--	10.6	--	0.00173
LS-LEPS	2025-07-31	LEPS250731P	--	--	--	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	0.00199 U	0.00542	7.15	8.96	0.000996 U	0.00123
LS-LEPS	2025-08-07	LEPS250807P	--	0.0067 T	--	9.68	--	0.0015 T
LS-LEPS	2025-08-12	LEPS250812P	--	0.0058 T	--	9.63	--	0.0013 T
LS-LEPS	2025-08-14	LEPS250814P	--	--	--	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	0.0059 T	--	9.09	--	0.0013 T
LS-LEPS	2025-08-21	LEPS250821D	--	--	--	--	--	--
LS-LEPS	2025-08-21	LEPS250821P	--	--	--	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	0.0026	--	7.81	--	0.000996 U	--
LS-LEPS	2025-09-23	LEPS250923P	--	0.0064 T	--	12	--	0.0016 T
LS-LEPS	2025-09-25	LEPS250925P	--	--	--	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	0.0077 T	--	13.9	--	0.0017 T

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Copper, Dissolved	Copper, Total	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-07-09	LV1A250709M	0.0032	0.0102	21	35.7	0.00101 U	0.00239
LS-V1A	2025-08-05	LV1A250805M	0.00343	0.0105	22.8	41	0.000999 U	0.00246
LS-V1A	2025-09-09	LV1A250909M	0.00228	0.00823	27.2	33.3	0.000994 U	0.0027
LS-PS4	2025-07-10	LP4-250710I	0.00415	0.00876	12.1	16.2	0.00102 U	0.00101 U
LS-PS4	2025-08-07	LP4-250807I	0.00474	0.00992	0.489	2	0.000997 U	0.000985 U
LS-PS1A	2025-07-10	LP1A250710I	0.00282	0.00404	1.16	1.19	0.00102 U	0.00101 U
LS-PS1A	2025-08-07	LP1A250807I	0.002 U	0.00352	0.947	1.96	0.000999 U	0.00102 U
LS-PS2A	2025-07-09	LP2A250709M	--	0.0134	--	0.724	--	0.000995 U
LS-PS2A	2025-08-05	LP2A250805M	--	0.0155	--	2.21	--	0.000992 U
LS-PS2A	2025-09-09	LP2A250909M	--	0.0127	--	0.0977 U	--	0.000977 U
LS-A567	2025-07-10	L567250710I	0.00476	0.00974	6.04	6.71	0.00187	0.00319
LS-A567	2025-08-07	L567250807I	0.00857	0.0223	5.35	5.88	0.00166	0.00319
LS-A567	2025-09-11	L567250911I	0.00268	0.00657	3.53	5.71	0.00126	0.00291
LS-MH46N	2025-07-09	L46N250709M	--	0.00202 U	--	2.62	--	0.00101 U
LS-MH46N	2025-08-05	L46N250805M	--	0.00202 U	--	2.23	--	0.00101 U
LS-MH46N	2025-09-09	L46N250909M	--	0.00198 U	--	2.22	--	0.000988 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
LS-LEPS	2025-07-02	LEPS250702P	--	--	--	--	--	--
LS-LEPS	2025-07-08	LEPS250708M	82.2	--	172	--	0.0001 U	--
LS-LEPS	2025-07-08	LEPS250708P	--	82.4	--	554	--	0.0001 U
LS-LEPS	2025-07-10	LEPS250710P	--	--	--	--	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	78	--	599	--	0.0001 U
LS-LEPS	2025-07-17	LEPS250717P	--	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	90.1	--	323	--	0.0001 U
LS-LEPS	2025-07-24	LEPS250724P	--	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	94.8	--	544	--	0.0001 U
LS-LEPS	2025-07-31	LEPS250731P	--	--	--	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	98.3	99.4	27.4	207	0.0001 U	0.0001 U
LS-LEPS	2025-08-07	LEPS250807P	--	98.7	--	331	--	0.0001 U
LS-LEPS	2025-08-12	LEPS250812P	--	106	--	302	--	0.0001 U
LS-LEPS	2025-08-14	LEPS250814P	--	--	--	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	95.3	--	286	--	0.0001 U
LS-LEPS	2025-08-21	LEPS250821D	--	--	--	--	--	--
LS-LEPS	2025-08-21	LEPS250821P	--	--	--	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	101	--	7.59	--	0.0001 U	--
LS-LEPS	2025-09-23	LEPS250923P	--	111	--	302	--	0.0001 U
LS-LEPS	2025-09-25	LEPS250925P	--	--	--	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	115	--	357	--	0.0001 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
LS-V1A	2025-07-09	LV1A250709M	107	97.7	1380	1480	0.0001 U	0.0001 U
LS-V1A	2025-08-05	LV1A250805M	119	118	1490	1730	0.0001 U	0.0001 U
LS-V1A	2025-09-09	LV1A250909M	138	140	1380	1460	0.0001 U	0.0001 U
LS-PS4	2025-07-10	LP4-250710I	47.6	42.9	1130	1140	0.0001 U	0.0001 U
LS-PS4	2025-08-07	LP4-250807I	11.6	11.9	445	472	0.0001 U	0.0001 U
LS-PS1A	2025-07-10	LP1A250710I	46.8	41.9	723	719	0.0001 U	0.0001 U
LS-PS1A	2025-08-07	LP1A250807I	42	41.7	1070	1130	0.0001 U	0.0001 U
LS-PS2A	2025-07-09	LP2A250709M	--	6.05	--	37.2	--	0.0001 U
LS-PS2A	2025-08-05	LP2A250805M	--	8.64	--	145	--	0.0001 U
LS-PS2A	2025-09-09	LP2A250909M	--	8.14	--	55.6	--	0.0001 U
LS-A567	2025-07-10	L567250710I	100	86.7 D	546	582	0.0001 U	0.0001 U
LS-A567	2025-08-07	L567250807I	103	102	496	484	0.0001 U	0.0001 U
LS-A567	2025-09-11	L567250911I	102	105	495	469	0.0001 U	0.0001 U
LS-MH46N	2025-07-09	L46N250709M	--	47.4	--	691	--	0.0001 U
LS-MH46N	2025-08-05	L46N250805M	--	53.7	--	620	--	0.0001 U
LS-MH46N	2025-09-09	L46N250909M	--	58.2	--	590	--	0.0001 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Nickel, Dissolved	Nickel, Total	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-07-02	LEPS250702P	--	--	--	--	--	--
LS-LEPS	2025-07-08	LEPS250708M	0.145	--	560	--	0.00498 U	--
LS-LEPS	2025-07-08	LEPS250708P	--	0.146	--	532	--	0.00496 U
LS-LEPS	2025-07-10	LEPS250710P	--	--	--	--	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	0.151	--	567	--	0.00486 U
LS-LEPS	2025-07-17	LEPS250717P	--	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	0.161	--	639	--	0.00497 U
LS-LEPS	2025-07-24	LEPS250724P	--	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	0.166	--	658	--	0.00503 U
LS-LEPS	2025-07-31	LEPS250731P	--	--	--	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	0.17	0.169	715	711	0.00498 U	0.00499 U
LS-LEPS	2025-08-07	LEPS250807P	--	0.169	--	688	--	0.0048 U
LS-LEPS	2025-08-12	LEPS250812P	--	0.175	--	724	--	0.0049 U
LS-LEPS	2025-08-14	LEPS250814P	--	--	--	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	0.175	--	710	--	0.005 U
LS-LEPS	2025-08-21	LEPS250821D	--	--	--	--	--	--
LS-LEPS	2025-08-21	LEPS250821P	--	--	--	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	0.19	--	795	--	0.00498 U	--
LS-LEPS	2025-09-23	LEPS250923P	--	0.19	--	775	--	0.0049 U
LS-LEPS	2025-09-25	LEPS250925P	--	--	--	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	0.195	--	801	--	0.005 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Nickel, Dissolved	Nickel, Total	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-07-09	LV1A250709M	0.146	0.154	658	648	0.00506 U	0.00505 U
LS-V1A	2025-08-05	LV1A250805M	0.178	0.18	761	761	0.00499 U	0.00501 U
LS-V1A	2025-09-09	LV1A250909M	0.201	0.208	969	960	0.00497 U	0.00486 U
LS-PS4	2025-07-10	LP4-250710I	0.0366	0.038	216	191	0.00508 U	0.00506 U
LS-PS4	2025-08-07	LP4-250807I	0.0106	0.0114	23	22.5	0.00499 U	0.00493 U
LS-PS1A	2025-07-10	LP1A250710I	0.0988	0.0964	251	238	0.00509 U	0.00507 U
LS-PS1A	2025-08-07	LP1A250807I	0.088	0.0851	218	224	0.005 U	0.00508 U
LS-PS2A	2025-07-09	LP2A250709M	--	0.00517	--	2.46	--	0.00497 U
LS-PS2A	2025-08-05	LP2A250805M	--	0.00534	--	3.69	--	0.00496 U
LS-PS2A	2025-09-09	LP2A250909M	--	0.00537	--	3.07	--	0.00488 U
LS-A567	2025-07-10	L567250710I	0.306	0.304 D	957	891 D	0.00501 U	0.00679
LS-A567	2025-08-07	L567250807I	0.317	0.314	983	999	0.00501 U	0.00559
LS-A567	2025-09-11	L567250911I	0.306	0.32	1040	1010 D	0.00546	0.00501 U
LS-MH46N	2025-07-09	L46N250709M	--	0.13	--	315	--	0.00506 U
LS-MH46N	2025-08-05	L46N250805M	--	0.134	--	338	--	0.00504 U
LS-MH46N	2025-09-09	L46N250909M	--	0.145	--	349	--	0.00494 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Silver, Dissolved	Silver, Total	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-07-02	LEPS250702P	--	--	--	--	--	--
LS-LEPS	2025-07-08	LEPS250708M	0.000399 U	--	1500	--	0.000748 U	--
LS-LEPS	2025-07-08	LEPS250708P	--	0.000397 U	--	1460	--	0.000744 U
LS-LEPS	2025-07-10	LEPS250710P	--	--	--	--	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	0.000388 U	--	1520	--	0.000728 DU
LS-LEPS	2025-07-17	LEPS250717P	--	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	0.000397 U	--	1670	--	0.000745 U
LS-LEPS	2025-07-24	LEPS250724P	--	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	0.000402 U	--	1700	--	0.000754 U
LS-LEPS	2025-07-31	LEPS250731P	--	--	--	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	0.000398 U	0.000399 U	1950	1870	0.000747 U	0.000748 U
LS-LEPS	2025-08-07	LEPS250807P	--	0.00039 U	--	1830	--	0.00073 DU
LS-LEPS	2025-08-12	LEPS250812P	--	0.0004 U	--	1850	--	0.00074 U
LS-LEPS	2025-08-14	LEPS250814P	--	--	--	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	0.0004 U	--	1860	--	0.00075 DU
LS-LEPS	2025-08-21	LEPS250821D	--	--	--	--	--	--
LS-LEPS	2025-08-21	LEPS250821P	--	--	--	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	0.000399 U	--	2100	--	0.000747 U	--
LS-LEPS	2025-09-23	LEPS250923P	--	0.0004 U	--	2130	--	0.00074 U
LS-LEPS	2025-09-25	LEPS250925P	--	--	--	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	0.0004 U	--	2190	--	0.00075 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Silver, Dissolved	Silver, Total	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-07-09	LV1A250709M	0.000405 U	0.000404 U	1800	1740	0.00076 U	0.000757 U
LS-V1A	2025-08-05	LV1A250805M	0.000399 U	0.000401 U	2130	2070	0.000749 U	0.000751 U
LS-V1A	2025-09-09	LV1A250909M	0.000397 U	0.000389 U	2550 D	2530 D	0.000745 U	0.000729 U
LS-PS4	2025-07-10	LP4-250710I	0.000406 U	0.000405 U	595	535	0.000761 U	0.000759 U
LS-PS4	2025-08-07	LP4-250807I	0.000399 U	0.000394 U	83.9	83.3	0.000748 U	0.000739 U
LS-PS1A	2025-07-10	LP1A250710I	0.000407 U	0.000405 U	994	964	0.000763 U	0.00076 U
LS-PS1A	2025-08-07	LP1A250807I	0.0004 U	0.000406 U	894	872	0.00075 U	0.000762 U
LS-PS2A	2025-07-09	LP2A250709M	--	0.000398 U	--	5.82	--	0.000746 U
LS-PS2A	2025-08-05	LP2A250805M	--	0.000397 U	--	9.66	--	0.000744 U
LS-PS2A	2025-09-09	LP2A250909M	--	0.000391 U	--	7.3	--	0.000732 U
LS-A567	2025-07-10	L567250710I	0.000401 U	0.000399 U	2880 D	2780 D	0.000752 U	0.000748 U
LS-A567	2025-08-07	L567250807I	0.000401 U	0.000403 U	2940 D	2960	0.000752 U	0.000756 U
LS-A567	2025-09-11	L567250911I	0.000398 U	0.0004 U	3120 D	3090 D	0.000746 U	0.000751 U
LS-MH46N	2025-07-09	L46N250709M	--	0.000405 U	--	1120	--	0.000759 U
LS-MH46N	2025-08-05	L46N250805M	--	0.000403 U	--	1170	--	0.000756 U
LS-MH46N	2025-09-09	L46N250909M	--	0.000395 U	--	1290	--	0.000741 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Tin, Dissolved	Tin, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-07-02	LEPS250702P	--	--	--	--	--	--
LS-LEPS	2025-07-08	LEPS250708M	0.0165	--	0.0535	--	0.162	--
LS-LEPS	2025-07-08	LEPS250708P	--	0.0106	--	0.0528	--	0.323
LS-LEPS	2025-07-10	LEPS250710P	--	--	--	--	--	--
LS-LEPS	2025-07-15	LEPS250715P	--	0.0127 G	--	0.0561	--	0.284
LS-LEPS	2025-07-17	LEPS250717P	--	--	--	--	--	--
LS-LEPS	2025-07-22	LEPS250722P	--	0.0106	--	0.0617	--	0.188
LS-LEPS	2025-07-24	LEPS250724P	--	--	--	--	--	--
LS-LEPS	2025-07-29	LEPS250729P	--	0.011 G	--	0.0658 D	--	0.248
LS-LEPS	2025-07-31	LEPS250731P	--	--	--	--	--	--
LS-LEPS	2025-08-05	LEPS250805M	0.0175	0.0149	0.0713 D	0.0654	0.0604	0.117 D
LS-LEPS	2025-08-07	LEPS250807P	--	0.012 GT	--	0.0636	--	0.174
LS-LEPS	2025-08-12	LEPS250812P	--	0.014 T	--	0.0677	--	0.161
LS-LEPS	2025-08-14	LEPS250814P	--	--	--	--	--	--
LS-LEPS	2025-08-19	LEPS250819P	--	0.0156 DG	--	0.0709 D	--	0.155
LS-LEPS	2025-08-21	LEPS250821D	--	--	--	--	--	--
LS-LEPS	2025-08-21	LEPS250821P	--	--	--	--	--	--
LS-LEPS	2025-09-09	LEPS250909M	0.0195	--	0.0766	--	0.0363	--
LS-LEPS	2025-09-23	LEPS250923P	--	0.0152 DG	--	0.0784 D	--	0.178
LS-LEPS	2025-09-25	LEPS250925P	--	--	--	--	--	--
LS-LEPS	2025-09-29	LEPS250929P	--	0.0157 G	--	0.0778	--	0.199

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Tin, Dissolved	Tin, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-07-09	LV1A250709M	0.0209	0.0183	0.0576	0.0624	0.129	0.382
LS-V1A	2025-08-05	LV1A250805M	0.0224	0.0206	0.0618 D	0.0633	0.125	0.416 D
LS-V1A	2025-09-09	LV1A250909M	0.0277	0.0231	0.0949	0.0945 D	0.098	0.264
LS-PS4	2025-07-10	LP4-250710I	0.00754	0.00739	0.0115	0.0118	0.0276	0.0725
LS-PS4	2025-08-07	LP4-250807I	0.00499 U	0.00493 U	0.00415 D	0.00556	0.0125	0.0284 D
LS-PS1A	2025-07-10	LP1A250710I	0.00509 U	0.00507 U	0.0565	0.0588	0.0134	0.0306
LS-PS1A	2025-08-07	LP1A250807I	0.005 U	0.00508 U	0.0548 D	0.0545	0.00602	0.00925 D
LS-PS2A	2025-07-09	LP2A250709M	--	0.00497 U	--	0.000746 U	--	0.0268
LS-PS2A	2025-08-05	LP2A250805M	--	0.00496 U	--	0.00101	--	0.0526 D
LS-PS2A	2025-09-09	LP2A250909M	--	0.00488 U	--	0.000732 DU	--	0.0603
LS-A567	2025-07-10	L567250710I	0.0519	0.049	0.146	0.158	0.207	0.396
LS-A567	2025-08-07	L567250807I	0.0499	0.0485	0.148 D	0.139	0.215	0.357 D
LS-A567	2025-09-11	L567250911I	0.0393	0.0392	0.145	0.142 D	0.198	0.496
LS-MH46N	2025-07-09	L46N250709M	--	0.00506 U	--	0.105	--	0.00578
LS-MH46N	2025-08-05	L46N250805M	--	0.00504 U	--	0.105	--	0.00504 DU
LS-MH46N	2025-09-09	L46N250909M	--	0.00494 U	--	0.109 D	--	0.00746

-- : Not part of sampling program.

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Aluminum, Dissolved	Aluminum, Total	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total
			mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	0.72	--	0.022	--	201	--
LS-LEPS	2025-10-07	LEPS251007P	--	1.11	--	0.0213	--	207
LS-LEPS	2025-10-08	LEPS251008P	--	--	--	--	--	220
LS-LEPS	2025-10-09	LEPS251009P	--	--	--	--	--	215
LS-LEPS	2025-10-10	LEPS251010P	--	--	--	--	--	210
LS-LEPS	2025-10-14	LEPS251014P	--	0.848	--	0.0223	--	206
LS-LEPS	2025-10-16	LEPS251016P	--	--	--	--	--	205
LS-LEPS	2025-10-21	LEPS251021P	--	0.745	--	0.0199	--	199
LS-LEPS	2025-10-23	LEPS251023P	--	--	--	--	--	203
LS-LEPS	2025-10-28	LEPS251028P	--	1.31	--	0.0189	--	186
LS-LEPS	2025-10-30	LEPS251030P	--	--	--	--	--	170
LS-LEPS	2025-11-04	LEPS251104P	--	1.31	--	0.0116	--	108
LS-LEPS	2025-11-05	LEPS251105P	--	--	--	--	--	103
LS-LEPS	2025-11-12	LEPS251112M	0.157	--	0.00723	--	59.8	--
LS-LEPS	2025-11-12	LEPS251112P	--	1.07	--	0.0073 T	--	60.3
LS-LEPS	2025-11-14	LEPS251114P	--	--	--	--	--	53.7
LS-LEPS	2025-11-17	LEPS251117P	--	1.36	--	0.0055 T	--	43.5
LS-LEPS	2025-11-19	LEPS251119P	--	--	--	--	--	39.9
LS-LEPS	2025-11-24	LEPS251124P	--	0.856	--	0.005 T	--	40.8
LS-LEPS	2025-11-26	LEPS251126P	--	--	--	--	--	40.7
LS-LEPS	2025-12-02	LEPS251202P	--	0.614	--	0.0054 T	--	41.9
LS-LEPS	2025-12-04	LEPS251204P	--	--	--	--	--	44
LS-LEPS	2025-12-09	LEPS251209M	0.158	--	0.00596	--	49.5	--
LS-LEPS	2025-12-09	LEPS251209P	--	--	--	--	--	48.5
LS-LEPS	2025-12-13	LEPS251213P	--	1.34	--	0.0044 T	--	36.8
LS-LEPS	2025-12-16	LEPS251215D	--	1.22	--	0.0043 T	--	34.5
LS-LEPS	2025-12-16	LEPS251215P	--	1.25	--	0.0045 T	--	34.8
LS-LEPS	2025-12-18	LEPS251218P	--	0.89	--	0.004 T	--	31.6
LS-LEPS	2025-12-22	LEPS251222P	--	1.62	--	0.0038 T	--	30.3
LS-LEPS	2025-12-24	LEPS251224P	--	--	--	--	--	32
LS-LEPS	2025-12-29	LEPS251229P	--	1.4	--	0.0048 T	--	38.6
LS-LEPS	2025-12-31	LEPS251231P	--	--	--	--	--	39.1

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Aluminum, Dissolved	Aluminum, Total	Antimony, Dissolved	Antimony, Total	Arsenic, Dissolved	Arsenic, Total
			mg/L	mg/L	mg/L	mg/L	µg/L	µg/L
LS-V1A	2025-10-07	LV1A251007M	0.706	1.07	0.0263	0.0268	255	261
LS-V1A	2025-11-13	LV1A251113M	0.174	1.23	0.00741	0.00832	65.8	74
LS-V1A	2025-12-10	LV1A251210M	0.429	6.04	0.00305 U	0.00303 U	25.7	29.5
LS-CSW	2025-11-12	LCSW251112I	0.0498 U	0.609 D	0.00299 U	0.000627	2.46	2.75
LS-CSW	2025-12-09	LCSW251209I	0.272	19.5	0.00297 U	0.00296 U	1.77	6.04
LS-PS4	2025-10-09	LP4-251009I	0.0496 U	0.643	0.00298 U	0.003 U	1.79	2.74
LS-PS4	2025-11-12	LP4-251112I	0.0872	0.123	0.00298 U	0.000481	0.783	0.943
LS-PS4	2025-12-09	LP4-251209I	0.0683	0.92	0.00296 U	0.00298 U	6.2	6.62
LS-PS1A	2025-10-09	LP1A251009I	0.0505 U	0.0559	0.0404	0.0399	255	248
LS-PS1A	2025-11-12	LP1A251112I	0.0497 U	0.119	0.00298 U	0.00146	4.96	5.73
LS-PS1A	2025-12-09	LP1A251209I	0.0513	0.2	0.00297 U	0.00298 U	4.6	5.06
LS-PS2A	2025-10-07	LP2A251007M	--	0.0495 U	--	0.0117	--	32.3
LS-PS2A	2025-11-13	LP2A251113M	--	0.144	--	0.000862	--	1.02
LS-PS2A	2025-12-10	LP2A251210M	--	0.24	--	0.00303 U	--	1.16
LS-A567	2025-10-09	L567251009I	1.15	1.26	0.013	0.0144	253	261
LS-A567	2025-11-12	L567251112I	1.02	1.14	0.0155	0.0166	290	307
LS-A567	2025-12-09	L567251209I	0.887	0.883	0.0173	0.018	254	246
LS-MH46N	2025-10-07	L46N251007M	--	0.0504 U	--	0.00302 U	--	104
LS-MH46N	2025-11-13	L46N251113M	--	0.0501 U	--	0.00301 U	--	102
LS-MH46N	2025-12-10	L46N251210M	--	0.0506 U	--	0.00304 U	--	90.3

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	0.07	--	0.000999 U	--	0.000499 U	--
LS-LEPS	2025-10-07	LEPS251007P	--	0.12	--	0.001 U	--	0.00051 U
LS-LEPS	2025-10-08	LEPS251008P	--	--	--	--	--	--
LS-LEPS	2025-10-09	LEPS251009P	--	--	--	--	--	--
LS-LEPS	2025-10-10	LEPS251010P	--	--	--	--	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	0.0966	--	0.001 U	--	0.00051 U
LS-LEPS	2025-10-16	LEPS251016P	--	--	--	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	0.0788	--	0.001 U	--	0.00051 U
LS-LEPS	2025-10-23	LEPS251023P	--	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	0.097	--	0.001 U	--	0.0005 U
LS-LEPS	2025-10-30	LEPS251030P	--	--	--	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	0.0789	--	0.001 U	--	0.0005 U
LS-LEPS	2025-11-05	LEPS251105P	--	--	--	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	0.0573	--	0.00101 U	--	0.000505 U	--
LS-LEPS	2025-11-12	LEPS251112P	--	0.0752	--	0.00098 U	--	0.00049 U
LS-LEPS	2025-11-14	LEPS251114P	--	--	--	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	0.0713	--	0.001 U	--	0.0005 U
LS-LEPS	2025-11-19	LEPS251119P	--	--	--	--	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	0.0697	--	0.001 U	--	0.0005 U
LS-LEPS	2025-11-26	LEPS251126P	--	--	--	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	0.0736	--	0.001 U	--	0.0005 U
LS-LEPS	2025-12-04	LEPS251204P	--	--	--	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	0.0759	--	0.00101 U	--	0.000506 U	--
LS-LEPS	2025-12-09	LEPS251209P	--	--	--	--	--	--
LS-LEPS	2025-12-13	LEPS251213P	--	0.0669	--	0.001 U	--	0.00051 U
LS-LEPS	2025-12-16	LEPS251215D	--	0.0639	--	0.001 U	--	0.00051 U
LS-LEPS	2025-12-16	LEPS251215P	--	0.0658	--	0.001 U	--	0.0005 U
LS-LEPS	2025-12-18	LEPS251218P	--	0.0611	--	0.001 U	--	0.0005 U
LS-LEPS	2025-12-22	LEPS251222P	--	0.0633	--	0.001 U	--	0.0005 U
LS-LEPS	2025-12-24	LEPS251224P	--	--	--	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	0.0715	--	0.001 U	--	0.00051 U
LS-LEPS	2025-12-31	LEPS251231P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Barium, Dissolved	Barium, Total	Beryllium, Dissolved	Beryllium, Total	Cadmium, Dissolved	Cadmium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	0.244	0.259	0.00101 U	0.000996 U	0.000503 U	0.000498 U
LS-V1A	2025-11-13	LV1A251113M	0.0747	0.103	0.00101 U	0.00101 U	0.000507 U	0.000506 U
LS-V1A	2025-12-10	LV1A251210M	0.0504	0.0724	0.00102 U	0.00101 U	0.000508 U	0.000505 U
LS-CSW	2025-11-12	LCSW251112I	0.0128	0.0174	0.000995 U	0.0001 U	0.000498 U	0.00005 U
LS-CSW	2025-12-09	LCSW251209I	0.0239	0.123	0.000989 U	0.000987 U	0.000494 U	0.000494 U
LS-PS4	2025-10-09	LP4-251009I	0.0106	0.018	0.000992 U	0.000999 U	0.000496 U	0.000499 U
LS-PS4	2025-11-12	LP4-251112I	0.0114	0.0149	0.000993 U	0.0001 U	0.000496 U	0.000096
LS-PS4	2025-12-09	LP4-251209I	0.0139	0.0183	0.000988 U	0.000995 U	0.000494 U	0.000497 U
LS-PS1A	2025-10-09	LP1A251009I	0.347	0.337	0.00101 U	0.000987 U	0.000505 U	0.000494 U
LS-PS1A	2025-11-12	LP1A251112I	0.0152	0.0167	0.000995 U	0.0001 U	0.000497 U	0.00005 U
LS-PS1A	2025-12-09	LP1A251209I	0.0147	0.0165	0.000989 U	0.000994 U	0.000494 U	0.000497 U
LS-PS2A	2025-10-07	LP2A251007M	--	0.0106	--	0.000991 U	--	0.000495 U
LS-PS2A	2025-11-13	LP2A251113M	--	0.00414	--	0.0001 U	--	0.000051
LS-PS2A	2025-12-10	LP2A251210M	--	0.00505 U	--	0.00101 U	--	0.000505 U
LS-A567	2025-10-09	L567251009I	0.376	0.379	0.00101 U	0.000966 U	0.000504 U	0.000483 U
LS-A567	2025-11-12	L567251112I	0.333	0.355	0.00101 U	0.000987 U	0.000503 U	0.000493 U
LS-A567	2025-12-09	L567251209I	0.263	0.267	0.000991 U	0.000992 U	0.000496 U	0.000496 U
LS-MH46N	2025-10-07	L46N251007M	--	0.498	--	0.00101 U	--	0.000504 U
LS-MH46N	2025-11-13	L46N251113M	--	0.513	--	0.001 U	--	0.000501 U
LS-MH46N	2025-12-10	L46N251210M	--	0.349	--	0.00101 U	--	0.000506 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Calcium, Dissolved	Calcium, Total	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	35.4	--	0.272	--	0.0499	--
LS-LEPS	2025-10-07	LEPS251007P	--	56.7	--	0.265	--	0.0492
LS-LEPS	2025-10-08	LEPS251008P	--	--	--	--	--	--
LS-LEPS	2025-10-09	LEPS251009P	--	--	--	--	--	--
LS-LEPS	2025-10-10	LEPS251010P	--	--	--	--	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	44.9	--	0.268	--	0.0492
LS-LEPS	2025-10-16	LEPS251016P	--	--	--	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	36.8	--	0.259	--	0.0479
LS-LEPS	2025-10-23	LEPS251023P	--	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	38.8	--	0.249	--	0.0464
LS-LEPS	2025-10-30	LEPS251030P	--	--	--	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	42.7	--	0.148	--	0.0286
LS-LEPS	2025-11-05	LEPS251105P	--	--	--	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	46.3	--	0.0799	--	0.0164	--
LS-LEPS	2025-11-12	LEPS251112P	--	49.8	--	0.0763	--	0.0163
LS-LEPS	2025-11-14	LEPS251114P	--	--	--	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	47.6	--	0.0557	--	0.0122
LS-LEPS	2025-11-19	LEPS251119P	--	--	--	--	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	51.8	--	0.0553	--	0.0117
LS-LEPS	2025-11-26	LEPS251126P	--	--	--	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	53.6	--	0.0557	--	0.012
LS-LEPS	2025-12-04	LEPS251204P	--	--	--	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	60.1	--	0.0605	--	0.0131	--
LS-LEPS	2025-12-09	LEPS251209P	--	--	--	--	--	--
LS-LEPS	2025-12-13	LEPS251213P	--	54.5	--	0.0483	--	0.0105
LS-LEPS	2025-12-16	LEPS251215D	--	53.1	--	0.0443	--	0.00972
LS-LEPS	2025-12-16	LEPS251215P	--	53.2	--	0.0449	--	0.00977
LS-LEPS	2025-12-18	LEPS251218P	--	52.2	--	0.0401	--	0.00872
LS-LEPS	2025-12-22	LEPS251222P	--	55.3	--	0.038	--	0.00877
LS-LEPS	2025-12-24	LEPS251224P	--	--	--	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	58.7	--	0.054	--	0.011
LS-LEPS	2025-12-31	LEPS251231P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Calcium, Dissolved	Calcium, Total	Chromium, Dissolved	Chromium, Total	Cobalt, Dissolved	Cobalt, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	99.9	105	0.255	0.233	0.0525	0.0542
LS-V1A	2025-11-13	LV1A251113M	68.8	76.8	0.061	0.0618	0.0151	0.0168
LS-V1A	2025-12-10	LV1A251210M	40.3	42.3	0.0412	0.0501	0.00771	0.0113
LS-CSW	2025-11-12	LCSW251112I	20.2	21.6	0.00199 U	0.00131	0.000804	0.00104
LS-CSW	2025-12-09	LCSW251209I	24.5	29.4	0.00305	0.0273	0.00167	0.00962
LS-PS4	2025-10-09	LP4-251009I	26.7	27.4	0.00198 U	0.00248	0.000496 U	0.000832
LS-PS4	2025-11-12	LP4-251112I	14.8	15.2	0.00347	0.00109	0.000496 U	0.000321
LS-PS4	2025-12-09	LP4-251209I	17.5	18.1	0.005	0.00625	0.00114	0.00151
LS-PS1A	2025-10-09	LP1A251009I	80.4	77.2	0.0587	0.0568	0.0322	0.0316
LS-PS1A	2025-11-12	LP1A251112I	12.2	13.4	0.00277	0.00292	0.00128	0.0014
LS-PS1A	2025-12-09	LP1A251209I	14	14.4	0.00269	0.00263	0.00101	0.00104
LS-PS2A	2025-10-07	LP2A251007M	--	30.2	--	0.00198 U	--	0.00121
LS-PS2A	2025-11-13	LP2A251113M	--	8.37	--	0.00185	--	0.000423
LS-PS2A	2025-12-10	LP2A251210M	--	7.46	--	0.00282	--	0.000505 U
LS-A567	2025-10-09	L567251009I	98.2	96	0.392	0.389	0.0761	0.0776
LS-A567	2025-11-12	L567251112I	84.3	86.6	0.342	0.304	0.0669	0.0673
LS-A567	2025-12-09	L567251209I	62.9	63.6	0.267	0.258	0.0589	0.0567
LS-MH46N	2025-10-07	L46N251007M	--	109	--	0.0841	--	0.0396
LS-MH46N	2025-11-13	L46N251113M	--	114	--	0.085	--	0.0398
LS-MH46N	2025-12-10	L46N251210M	--	80.3	--	0.0755	--	0.0281

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Copper, Dissolved	Copper, Total	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	0.00639	--	12.3	--	0.0016	--
LS-LEPS	2025-10-07	LEPS251007P	--	0.0081 T	--	14.1	--	0.0021 T
LS-LEPS	2025-10-08	LEPS251008P	--	--	--	--	--	--
LS-LEPS	2025-10-09	LEPS251009P	--	--	--	--	--	--
LS-LEPS	2025-10-10	LEPS251010P	--	--	--	--	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	0.0078 T	--	12.3	--	0.0021 T
LS-LEPS	2025-10-16	LEPS251016P	--	--	--	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	0.0062 T	--	11.1	--	0.0018 T
LS-LEPS	2025-10-23	LEPS251023P	--	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	0.0077 T	--	9.9	--	0.0021 T
LS-LEPS	2025-10-30	LEPS251030P	--	--	--	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	0.0088 T	--	6.72	--	0.0017 T
LS-LEPS	2025-11-05	LEPS251105P	--	--	--	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	0.00347	--	3.71	--	0.00101 U	--
LS-LEPS	2025-11-12	LEPS251112P	--	0.0095 T	--	4.77	--	0.0013 T
LS-LEPS	2025-11-14	LEPS251114P	--	--	--	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	0.0097 T	--	4.61	--	0.0012 T
LS-LEPS	2025-11-19	LEPS251119P	--	--	--	--	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	0.008 T	--	4.34	--	0.001 U
LS-LEPS	2025-11-26	LEPS251126P	--	--	--	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	0.0068 T	--	4.61	--	0.0011 T
LS-LEPS	2025-12-04	LEPS251204P	--	--	--	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	0.00219	--	4.65	--	0.00101 U	--
LS-LEPS	2025-12-09	LEPS251209P	--	--	--	--	--	--
LS-LEPS	2025-12-13	LEPS251213P	--	0.0094 T	--	5.1	--	0.0014 T
LS-LEPS	2025-12-16	LEPS251215D	--	0.0098 T	--	4.66	--	0.0012 T
LS-LEPS	2025-12-16	LEPS251215P	--	0.0094 T	--	4.79	--	0.0013 T
LS-LEPS	2025-12-18	LEPS251218P	--	0.0074 T	--	3.95	--	0.001 U
LS-LEPS	2025-12-22	LEPS251222P	--	0.0099 T	--	4.85	--	0.0014 T
LS-LEPS	2025-12-24	LEPS251224P	--	--	--	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	0.0099 T	--	4.56	--	0.0013 T
LS-LEPS	2025-12-31	LEPS251231P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Copper, Dissolved	Copper, Total	Iron, Dissolved	Iron, Total	Lead, Dissolved	Lead, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	0.00372	0.00777	8.95	11.7	0.00143	0.00288
LS-V1A	2025-11-13	LV1A251113M	0.00407	0.0112	5.26	8.82	0.00101 U	0.00168
LS-V1A	2025-12-10	LV1A251210M	0.00491	0.0251	2.32	9.5	0.00102 U	0.0033
LS-CSW	2025-11-12	LCSW251112I	0.00447	0.00522	0.0995 U	0.575	0.000995 U	0.00026
LS-CSW	2025-12-09	LCSW251209I	0.00198 U	0.0364	0.318	17.5	0.000989 U	0.00562
LS-PS4	2025-10-09	LP4-251009I	0.00447	0.013	0.182	2.03	0.000992 U	0.000999 U
LS-PS4	2025-11-12	LP4-251112I	0.0083	0.0131	0.386	0.918	0.000993 U	0.000522
LS-PS4	2025-12-09	LP4-251209I	0.0059	0.0152	0.709	1.8	0.000988 U	0.00118
LS-PS1A	2025-10-09	LP1A251009I	0.00202 U	0.00371	1.02	1.24	0.00101 U	0.000987 U
LS-PS1A	2025-11-12	LP1A251112I	0.0184	0.0191	0.18	0.429	0.000995 U	0.0001 U
LS-PS1A	2025-12-09	LP1A251209I	0.0122	0.0175	0.475	0.826	0.000989 U	0.000994 U
LS-PS2A	2025-10-07	LP2A251007M	--	0.0127	--	0.157	--	0.000991 U
LS-PS2A	2025-11-13	LP2A251113M	--	0.0258	--	0.423	--	0.0001 U
LS-PS2A	2025-12-10	LP2A251210M	--	0.0294	--	0.48	--	0.00101 U
LS-A567	2025-10-09	L567251009I	0.00202 U	0.00542	3.53	9.86	0.00101 U	0.00398
LS-A567	2025-11-12	L567251112I	0.00201 U	0.00462	4.87	8.48	0.00101 U	0.00271
LS-A567	2025-12-09	L567251209I	0.00389	0.00431	10.6	12	0.00276	0.003
LS-MH46N	2025-10-07	L46N251007M	--	0.00201 U	--	2.06	--	0.00101 U
LS-MH46N	2025-11-13	L46N251113M	--	0.00201 U	--	1.97	--	0.001 U
LS-MH46N	2025-12-10	L46N251210M	--	0.00203 U	--	2.04	--	0.00101 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	110	--	181	--	0.0001 U	--
LS-LEPS	2025-10-07	LEPS251007P	--	112	--	377	--	0.0001 U
LS-LEPS	2025-10-08	LEPS251008P	--	--	--	--	--	--
LS-LEPS	2025-10-09	LEPS251009P	--	--	--	--	--	--
LS-LEPS	2025-10-10	LEPS251010P	--	--	--	--	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	111	--	268	--	0.0001 U
LS-LEPS	2025-10-16	LEPS251016P	--	--	--	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	104	--	201	--	0.0001 U
LS-LEPS	2025-10-23	LEPS251023P	--	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	99.8	--	234	--	0.0001 U
LS-LEPS	2025-10-30	LEPS251030P	--	--	--	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	63	--	292	--	0.0001 U
LS-LEPS	2025-11-05	LEPS251105P	--	--	--	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	39.9	--	272	--	0.0001 U	--
LS-LEPS	2025-11-12	LEPS251112P	--	34.2	--	361	--	0.0001 U
LS-LEPS	2025-11-14	LEPS251114P	--	--	--	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	28.9	--	397	--	0.0001 U
LS-LEPS	2025-11-19	LEPS251119P	--	--	--	--	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	29.9	--	436	--	0.0001 U
LS-LEPS	2025-11-26	LEPS251126P	--	--	--	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	31	--	458	--	0.0001 U
LS-LEPS	2025-12-04	LEPS251204P	--	--	--	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	34.4	--	502	--	0.0001 U	--
LS-LEPS	2025-12-09	LEPS251209P	--	--	--	--	--	--
LS-LEPS	2025-12-13	LEPS251213P	--	28.3	--	582	--	0.0001 U
LS-LEPS	2025-12-16	LEPS251215D	--	25.8	--	535	--	0.0001 U
LS-LEPS	2025-12-16	LEPS251215P	--	26.8	--	544	--	0.0001 U
LS-LEPS	2025-12-18	LEPS251218P	--	24.1	--	529	--	0.0001 U
LS-LEPS	2025-12-22	LEPS251222P	--	24.3	--	591	--	0.0001 U
LS-LEPS	2025-12-24	LEPS251224P	--	--	--	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	28.8	--	589	--	0.0001 U
LS-LEPS	2025-12-31	LEPS251231P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Magnesium, Dissolved	Magnesium, Total	Manganese, Dissolved	Manganese, Total	Mercury, Dissolved	Mercury, Total
			mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	112	110	851	873	0.0001 U	0.0001 U
LS-V1A	2025-11-13	LV1A251113M	36.4	36.5	517	601	0.0001 U	0.0001 U
LS-V1A	2025-12-10	LV1A251210M	21.1	25.2	605	725	0.0001 U	0.0001 U
LS-CSW	2025-11-12	LCSW251112I	6.25	6.16	237	270	0.0001 U	0.0001 U
LS-CSW	2025-12-09	LCSW251209I	5.67	11.7	308	631	0.0001 U	0.0001 U
LS-PS4	2025-10-09	LP4-251009I	10	10.6	308	345	0.0001 U	0.0001 U
LS-PS4	2025-11-12	LP4-251112I	4.89	4.37	115	122	0.0001 U	0.0001 U
LS-PS4	2025-12-09	LP4-251209I	7.1	7.41	130	177	0.0001 U	0.0001 U
LS-PS1A	2025-10-09	LP1A251009I	55.2	52.9	583	562	0.0001 U	0.0001 U
LS-PS1A	2025-11-12	LP1A251112I	4.41	4.23	46.5	55.9	0.0001 U	0.0001 U
LS-PS1A	2025-12-09	LP1A251209I	4.41	4.57	80.6	87	0.0001 U	0.0001 U
LS-PS2A	2025-10-07	LP2A251007M	--	12.4	--	78.7	--	0.0001 U
LS-PS2A	2025-11-13	LP2A251113M	--	2.8	--	22.1	--	0.0001 U
LS-PS2A	2025-12-10	LP2A251210M	--	2.85	--	28.2	--	0.0001 U
LS-A567	2025-10-09	L567251009I	109	107	701	690	0.0001 U	0.0001 U
LS-A567	2025-11-12	L567251112I	94	85.2	567	557	0.0001 U	0.0001 U
LS-A567	2025-12-09	L567251209I	84.5	85.7	391	387	0.0001 U	0.0001 U
LS-MH46N	2025-10-07	L46N251007M	--	58	--	595	--	0.0001 U
LS-MH46N	2025-11-13	L46N251113M	--	56.7	--	560	--	0.0001 U
LS-MH46N	2025-12-10	L46N251210M	--	45.6	--	483	--	0.0001 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Nickel, Dissolved	Nickel, Total	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	0.201	--	822	--	0.00499 U	--
LS-LEPS	2025-10-07	LEPS251007P	--	0.199	--	813	--	0.0051 U
LS-LEPS	2025-10-08	LEPS251008P	--	--	--	--	--	--
LS-LEPS	2025-10-09	LEPS251009P	--	--	--	--	--	--
LS-LEPS	2025-10-10	LEPS251010P	--	--	--	--	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	0.199	--	798	--	0.0051 U
LS-LEPS	2025-10-16	LEPS251016P	--	--	--	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	0.193	--	781	--	0.0051 U
LS-LEPS	2025-10-23	LEPS251023P	--	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	0.187	--	744	--	0.005 U
LS-LEPS	2025-10-30	LEPS251030P	--	--	--	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	0.114	--	441	--	0.005 U
LS-LEPS	2025-11-05	LEPS251105P	--	--	--	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	0.0676	--	251	--	0.00505 U	--
LS-LEPS	2025-11-12	LEPS251112P	--	0.0675	--	246 D	--	0.0049 U
LS-LEPS	2025-11-14	LEPS251114P	--	--	--	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	0.0477	--	165	--	0.005 U
LS-LEPS	2025-11-19	LEPS251119P	--	--	--	--	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	0.0472	--	165	--	0.005 U
LS-LEPS	2025-11-26	LEPS251126P	--	--	--	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	0.049	--	169	--	0.005 U
LS-LEPS	2025-12-04	LEPS251204P	--	--	--	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	0.0546	--	193	--	0.00506 U	--
LS-LEPS	2025-12-09	LEPS251209P	--	--	--	--	--	--
LS-LEPS	2025-12-13	LEPS251213P	--	0.0414	--	140	--	0.0051 U
LS-LEPS	2025-12-16	LEPS251215D	--	0.0382	--	130	--	0.0051 U
LS-LEPS	2025-12-16	LEPS251215P	--	0.0386	--	131	--	0.005 U
LS-LEPS	2025-12-18	LEPS251218P	--	0.0351	--	121	--	0.005 U
LS-LEPS	2025-12-22	LEPS251222P	--	0.0344	--	110	--	0.005 U
LS-LEPS	2025-12-24	LEPS251224P	--	--	--	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	0.0449	--	149	--	0.0051 U
LS-LEPS	2025-12-31	LEPS251231P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Nickel, Dissolved	Nickel, Total	Potassium, Dissolved	Potassium, Total	Selenium, Dissolved	Selenium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	0.193	0.199	829	840	0.00503 U	0.00498 U
LS-V1A	2025-11-13	LV1A251113M	0.0584	0.0646	210	223	0.00507 U	0.00506 U
LS-V1A	2025-12-10	LV1A251210M	0.0331	0.0432	117	122	0.00508 U	0.00505 U
LS-CSW	2025-11-12	LCSW251112I	0.00355	0.00427	5.97	5.71	0.00498 U	0.0005 U
LS-CSW	2025-12-09	LCSW251209I	0.00471	0.0301	10.7	12.7	0.00494 U	0.00494 U
LS-PS4	2025-10-09	LP4-251009I	0.00192	0.00309	8.61	8.92	0.00496 U	0.00499 U
LS-PS4	2025-11-12	LP4-251112I	0.0028	0.0032	3.29	3.13	0.00496 U	0.0005 U
LS-PS4	2025-12-09	LP4-251209I	0.00499	0.00619	20.3	20	0.00494 U	0.00497 U
LS-PS1A	2025-10-09	LP1A251009I	0.114	0.111	300	290	0.00505 U	0.00494 U
LS-PS1A	2025-11-12	LP1A251112I	0.00821	0.0086	8.54	8.12	0.00497 U	0.0005 U
LS-PS1A	2025-12-09	LP1A251209I	0.00548	0.00599	7.88	8.18	0.00494 U	0.00497 U
LS-PS2A	2025-10-07	LP2A251007M	--	0.00718	--	9.59	--	0.00495 U
LS-PS2A	2025-11-13	LP2A251113M	--	0.00705	--	1.12	--	0.000604
LS-PS2A	2025-12-10	LP2A251210M	--	0.00706	--	1.26	--	0.00505 U
LS-A567	2025-10-09	L567251009I	0.306	0.311	996 D	969 D	0.00504 U	0.00483 U
LS-A567	2025-11-12	L567251112I	0.264	0.27	894	798 D	0.00503 U	0.00949
LS-A567	2025-12-09	L567251209I	0.237	0.234	764	755	0.00496 U	0.00496 U
LS-MH46N	2025-10-07	L46N251007M	--	0.151	--	360	--	0.00504 U
LS-MH46N	2025-11-13	L46N251113M	--	0.156	--	381	--	0.00501 U
LS-MH46N	2025-12-10	L46N251210M	--	0.108	--	285	--	0.00506 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Silver, Dissolved	Silver, Total	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	0.000399 U	--	2220	--	0.000749 U	--
LS-LEPS	2025-10-07	LEPS251007P	--	0.00041 U	--	2170	--	0.00077 U
LS-LEPS	2025-10-08	LEPS251008P	--	--	--	--	--	--
LS-LEPS	2025-10-09	LEPS251009P	--	--	--	--	--	--
LS-LEPS	2025-10-10	LEPS251010P	--	--	--	--	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	0.00041 U	--	2220	--	0.00077 U
LS-LEPS	2025-10-16	LEPS251016P	--	--	--	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	0.0004 U	--	2120	--	0.00076 U
LS-LEPS	2025-10-23	LEPS251023P	--	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	0.0004 U	--	1990	--	0.00075 DU
LS-LEPS	2025-10-30	LEPS251030P	--	--	--	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	0.0004 U	--	1170	--	0.00075 U
LS-LEPS	2025-11-05	LEPS251105P	--	--	--	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	0.000404 U	--	679	--	0.000757 U	--
LS-LEPS	2025-11-12	LEPS251112P	--	0.00039 U	--	670	--	0.00073 U
LS-LEPS	2025-11-14	LEPS251114P	--	--	--	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	0.0004 U	--	443	--	0.00076 U
LS-LEPS	2025-11-19	LEPS251119P	--	--	--	--	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	0.0004 U	--	440	--	0.00075 U
LS-LEPS	2025-11-26	LEPS251126P	--	--	--	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	0.0004 U	--	453	--	0.00076 U
LS-LEPS	2025-12-04	LEPS251204P	--	--	--	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	0.000405 U	--	523	--	0.000759 U	--
LS-LEPS	2025-12-09	LEPS251209P	--	--	--	--	--	--
LS-LEPS	2025-12-13	LEPS251213P	--	0.0004 U	--	388	--	0.00076 U
LS-LEPS	2025-12-16	LEPS251215D	--	0.0004 U	--	361	--	0.00076 U
LS-LEPS	2025-12-16	LEPS251215P	--	0.0004 U	--	364	--	0.00076 U
LS-LEPS	2025-12-18	LEPS251218P	--	0.0004 U	--	323	--	0.00075 U
LS-LEPS	2025-12-22	LEPS251222P	--	0.0004 U	--	297	--	0.00075 U
LS-LEPS	2025-12-24	LEPS251224P	--	--	--	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	0.00041 U	--	395	--	0.00076 U
LS-LEPS	2025-12-31	LEPS251231P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Silver, Dissolved	Silver, Total	Sodium, Dissolved	Sodium, Total	Thallium, Dissolved	Thallium, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	0.000402 U	0.000399 U	2300	2370 D	0.000755 U	0.000747 U
LS-V1A	2025-11-13	LV1A251113M	0.000405 U	0.000404 U	594	622	0.00076 U	0.000758 U
LS-V1A	2025-12-10	LV1A251210M	0.000406 U	0.000404 U	298	313	0.000762 U	0.000758 U
LS-CSW	2025-11-12	LCSW251112I	0.000398 U	0.00004 U	18.3	18.5	0.000746 U	0.000075 U
LS-CSW	2025-12-09	LCSW251209I	0.000396 U	0.000395 U	24	26.1	0.000742 U	0.00074 U
LS-PS4	2025-10-09	LP4-251009I	0.000397 U	0.000399 U	24.8	25.5	0.000744 U	0.000749 U
LS-PS4	2025-11-12	LP4-251112I	0.000397 U	0.000043	9.28	7.43	0.000745 U	0.000075 U
LS-PS4	2025-12-09	LP4-251209I	0.000395 U	0.000398 U	54.7	56.6	0.000741 U	0.000746 U
LS-PS1A	2025-10-09	LP1A251009I	0.000404 U	0.000395 U	1220	1200	0.000758 U	0.00074 U
LS-PS1A	2025-11-12	LP1A251112I	0.000398 U	0.00004 U	33.4	34.5	0.000746 U	0.000075 U
LS-PS1A	2025-12-09	LP1A251209I	0.000395 U	0.000398 U	26.8	27.7	0.000741 U	0.000746 U
LS-PS2A	2025-10-07	LP2A251007M	--	0.000396 U	--	30.9	--	0.000743 U
LS-PS2A	2025-11-13	LP2A251113M	--	0.00006	--	1.95	--	0.000075 U
LS-PS2A	2025-12-10	LP2A251210M	--	0.000404 U	--	2.29	--	0.000757 U
LS-A567	2025-10-09	L567251009I	0.000403 U	0.000386 U	2970 D	2920 D	0.000756 U	0.000724 U
LS-A567	2025-11-12	L567251112I	0.000403 U	0.000395 U	2490 D	2750 D	0.000755 U	0.00074 U
LS-A567	2025-12-09	L567251209I	0.000397 U	0.000397 U	2290	2270	0.000743 U	0.000744 U
LS-MH46N	2025-10-07	L46N251007M	--	0.000403 U	--	1310	--	0.000755 U
LS-MH46N	2025-11-13	L46N251113M	--	0.000401 U	--	1390	--	0.000752 U
LS-MH46N	2025-12-10	L46N251210M	--	0.000405 U	--	1060	--	0.000759 U

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Tin, Dissolved	Tin, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-LEPS	2025-10-07	LEPS251007M	0.0204	--	0.0838	--	0.13	--
LS-LEPS	2025-10-07	LEPS251007P	--	0.014 GT	--	0.0808	--	0.211
LS-LEPS	2025-10-08	LEPS251008P	--	--	--	--	--	--
LS-LEPS	2025-10-09	LEPS251009P	--	--	--	--	--	--
LS-LEPS	2025-10-10	LEPS251010P	--	--	--	--	--	--
LS-LEPS	2025-10-14	LEPS251014P	--	0.015 GT	--	0.0813 D	--	0.198
LS-LEPS	2025-10-16	LEPS251016P	--	--	--	--	--	--
LS-LEPS	2025-10-21	LEPS251021P	--	0.0153 G	--	0.0794	--	0.193
LS-LEPS	2025-10-23	LEPS251023P	--	--	--	--	--	--
LS-LEPS	2025-10-28	LEPS251028P	--	0.02 G	--	0.0782	--	0.221
LS-LEPS	2025-10-30	LEPS251030P	--	--	--	--	--	--
LS-LEPS	2025-11-04	LEPS251104P	--	0.0093 GT	--	0.0471	--	0.172
LS-LEPS	2025-11-05	LEPS251105P	--	--	--	--	--	--
LS-LEPS	2025-11-12	LEPS251112M	0.00732	--	0.0248	--	0.0869 D	--
LS-LEPS	2025-11-12	LEPS251112P	--	0.0066 T	--	0.0268 D	--	0.161
LS-LEPS	2025-11-14	LEPS251114P	--	--	--	--	--	--
LS-LEPS	2025-11-17	LEPS251117P	--	0.0056 T	--	0.0186 D	--	0.14
LS-LEPS	2025-11-19	LEPS251119P	--	--	--	--	--	--
LS-LEPS	2025-11-24	LEPS251124P	--	0.005 U	--	0.0172	--	0.135
LS-LEPS	2025-11-26	LEPS251126P	--	--	--	--	--	--
LS-LEPS	2025-12-02	LEPS251202P	--	0.0051 T	--	0.0171	--	0.123
LS-LEPS	2025-12-04	LEPS251204P	--	--	--	--	--	--
LS-LEPS	2025-12-09	LEPS251209M	0.00628	--	0.0181	--	0.0756	--
LS-LEPS	2025-12-09	LEPS251209P	--	--	--	--	--	--
LS-LEPS	2025-12-13	LEPS251213P	--	0.0051 U	--	0.016	--	0.135
LS-LEPS	2025-12-16	LEPS251215D	--	0.0051 U	--	0.0149	--	0.131
LS-LEPS	2025-12-16	LEPS251215P	--	0.005 U	--	0.0149	--	0.131
LS-LEPS	2025-12-18	LEPS251218P	--	0.005 U	--	0.0132	--	0.103
LS-LEPS	2025-12-22	LEPS251222P	--	0.005 U	--	0.0139	--	0.155
LS-LEPS	2025-12-24	LEPS251224P	--	--	--	--	--	--
LS-LEPS	2025-12-29	LEPS251229P	--	0.0051 U	--	0.0174 D	--	0.168
LS-LEPS	2025-12-31	LEPS251231P	--	--	--	--	--	--

Table H-3
Leachate – Metals (Dissolved and Total)

Well	Sample Date	Sample ID	Tin, Dissolved	Tin, Total	Vanadium, Dissolved	Vanadium, Total	Zinc, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
LS-V1A	2025-10-07	LV1A251007M	0.0311	0.0273	0.0683	0.0715 D	0.238	0.617
LS-V1A	2025-11-13	LV1A251113M	0.00805	0.00781	0.0182	0.0221	0.145 D	0.394
LS-V1A	2025-12-10	LV1A251210M	0.00508 U	0.00505 U	0.0127	0.0246	0.0296	0.131
LS-CSW	2025-11-12	LCSW251112I	0.00498 U	0.0005 U	0.00198	0.00312	0.00498 DU	0.00728
LS-CSW	2025-12-09	LCSW251209I	0.00494 U	0.00494 U	0.00236	0.0391	0.00494 U	0.0697
LS-PS4	2025-10-09	LP4-251009I	0.00496 U	0.00499 U	0.0013	0.00283	0.012	0.0417
LS-PS4	2025-11-12	LP4-251112I	0.00496 U	0.0005 U	0.000783	0.00102	0.0189 D	0.0331
LS-PS4	2025-12-09	LP4-251209I	0.00494 U	0.00497 U	0.0014	0.00357	0.0218	0.0437
LS-PS1A	2025-10-09	LP1A251009I	0.00505 U	0.00494 U	0.0689	0.0671	0.00867	0.00953
LS-PS1A	2025-11-12	LP1A251112I	0.00497 U	0.0005 U	0.00263	0.00342	0.0221 D	0.0235
LS-PS1A	2025-12-09	LP1A251209I	0.00494 U	0.00497 U	0.0018	0.00302	0.0121	0.0146
LS-PS2A	2025-10-07	LP2A251007M	--	0.00495 U	--	0.000743 DU	--	0.0606
LS-PS2A	2025-11-13	LP2A251113M	--	0.0005 U	--	0.00275	--	0.0125
LS-PS2A	2025-12-10	LP2A251210M	--	0.00505 U	--	0.00268	--	0.00901
LS-A567	2025-10-09	L567251009I	0.0579	0.057	0.14	0.139	0.0965	0.706
LS-A567	2025-11-12	L567251112I	0.0448	0.0446	0.117	0.118	0.186 D	0.558
LS-A567	2025-12-09	L567251209I	0.0387	0.0398	0.094	0.0897	0.642	0.721
LS-MH46N	2025-10-07	L46N251007M	--	0.00504 U	--	0.119 D	--	0.00504 U
LS-MH46N	2025-11-13	L46N251113M	--	0.00501 U	--	0.118	--	0.00501 U
LS-MH46N	2025-12-10	L46N251210M	--	0.00506 U	--	0.0866	--	0.00506 U

-- : Not part of sampling program.

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	2 U	2 U	2 U	2 U	4 U	2 U
LS-LEPS	2025-02-06	LEPS250206M	2 U	2 U	2 U	2 U	4 U	2 U
LS-LEPS	2025-03-25	LEPS250325M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-01-22	LV1A250122M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-02-26	LV1A250206M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-03-25	LV1A250325M	2 U	2 U	2 U	2 U	4 U	2 U
LS-PS2A	2025-01-22	LP2A250122M	1 U	1 U	1 U	1 U	2 U	1 U
LS-PS2A	2025-02-06	LP2A250206M	1 U	1 U	1 U	1 U	2 U	1 U
LS-PS2A	2025-03-25	LP2A250325M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-01-22	L46N250122D	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-01-22	L46N250122M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-02-06	L46N250206M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-03-25	L46N250325D	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-03-25	L46N250325M	1 U	1 U	1 U	1 U	2 U	1 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	4 U	4 U	4 U	2 U	2 U	2 U
LS-LEPS	2025-02-06	LEPS250206M	4 U	4 U	4 U	2 U	2 U	2 U
LS-LEPS	2025-03-25	LEPS250325M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-01-22	LV1A250122M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-02-26	LV1A250206M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-03-25	LV1A250325M	4 U	4 U	4 U	2 U	2.3 JT	2 U
LS-PS2A	2025-01-22	LP2A250122M	2 U	2 U	2 U	1 U	1 U	1 U
LS-PS2A	2025-02-06	LP2A250206M	2 U	2 U	2 U	1 U	1 U	1 U
LS-PS2A	2025-03-25	LP2A250325M	2 U	2 U	2 U	1 U	1 U	1 U
LS-MH46N	2025-01-22	L46N250122D	2 U	2 U	2 U	1.9 JT	1 U	1 U
LS-MH46N	2025-01-22	L46N250122M	2 U	2 U	2 U	2.14	1 U	1 U
LS-MH46N	2025-02-06	L46N250206M	2 U	2 U	2 U	1.6 JT	1 U	1 U
LS-MH46N	2025-03-25	L46N250325D	2 U	2 U	2 U	1.7 JT	1 U	1 U
LS-MH46N	2025-03-25	L46N250325M	2 U	2 U	2 U	1.7 JT	1 U	1 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	4 U	2 U	2 U	2 U	80 U	80 U
LS-LEPS	2025-02-06	LEPS250206M	4 U	2 U	2 U	2 U	80 U	80 U
LS-LEPS	2025-03-25	LEPS250325M	4 U	2 U	2 U	2 U	121	80 U
LS-V1A	2025-01-22	LV1A250122M	4 U	2 U	2 U	2 U	2920 D	80 U
LS-V1A	2025-02-26	LV1A250206M	4 U	2 U	2 U	2 U	4090 D	80 U
LS-V1A	2025-03-25	LV1A250325M	4 U	2 U	2 U	2 U	2220 D	80 U
LS-PS2A	2025-01-22	LP2A250122M	2 U	1 U	1 U	1 U	40 U	40 U
LS-PS2A	2025-02-06	LP2A250206M	2 U	1 U	1 U	1 U	40 U	40 U
LS-PS2A	2025-03-25	LP2A250325M	2 U	1 U	1 U	1 U	40 U	40 U
LS-MH46N	2025-01-22	L46N250122D	2 U	1 U	1 U	7.84	40 U	40 U
LS-MH46N	2025-01-22	L46N250122M	2 U	1 U	1 U	8.63	40 U	40 U
LS-MH46N	2025-02-06	L46N250206M	2 U	1 U	1 U	6.32	40 U	40 U
LS-MH46N	2025-03-25	L46N250325D	2 U	1 U	1 U	6.86	40 U	40 U
LS-MH46N	2025-03-25	L46N250325M	2 U	1 U	1 U	6.8	40 U	40 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	100 DU	4 U	2 U	80 U	1280	200 DU
LS-LEPS	2025-02-06	LEPS250206M	100 DU	4 U	2 U	80 U	647	200 DU
LS-LEPS	2025-03-25	LEPS250325M	100 DU	4 U	2 U	80 U	390	200 DU
LS-V1A	2025-01-22	LV1A250122M	136 D	4 U	2 U	80 U	3430 D	200 DU
LS-V1A	2025-02-26	LV1A250206M	202 D	4 U	2 U	80 U	4980 D	200 DU
LS-V1A	2025-03-25	LV1A250325M	100 DU	4 U	2 U	80 U	2170 D	200 DU
LS-PS2A	2025-01-22	LP2A250122M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-PS2A	2025-02-06	LP2A250206M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-PS2A	2025-03-25	LP2A250325M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-01-22	L46N250122D	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-01-22	L46N250122M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-02-06	L46N250206M	50 DU	2 U	1 U	40 U	43.8	100 DU
LS-MH46N	2025-03-25	L46N250325D	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-03-25	L46N250325M	50 DU	2 U	1 U	40 U	47.4	100 DU

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-LEPS	2025-02-06	LEPS250206M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-LEPS	2025-03-25	LEPS250325M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-01-22	LV1A250122M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-02-26	LV1A250206M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-03-25	LV1A250325M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-PS2A	2025-01-22	LP2A250122M	25 U	5 DU	1 U	1 U	2 U	2 U
LS-PS2A	2025-02-06	LP2A250206M	25 U	5 DU	1 U	1 U	2 U	2 U
LS-PS2A	2025-03-25	LP2A250325M	25 U	5 DU	1 U	1 U	2 U	2 U
LS-MH46N	2025-01-22	L46N250122D	25 U	5 DU	3.48	1 U	2 U	2 U
LS-MH46N	2025-01-22	L46N250122M	25 U	5 DU	3.54	1 U	2 U	2 U
LS-MH46N	2025-02-06	L46N250206M	25 U	5 DU	3.11	1 U	2 U	2 U
LS-MH46N	2025-03-25	L46N250325D	25 U	5 DU	2.62	1 U	2 U	2 U
LS-MH46N	2025-03-25	L46N250325M	25 U	5 DU	2.59	1 U	2 U	2 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	2 U	2 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-02-06	LEPS250206M	2 U	2 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-03-25	LEPS250325M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-01-22	LV1A250122M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-02-26	LV1A250206M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-03-25	LV1A250325M	2 U	2 U	4 U	2 U	4 U	2 U
LS-PS2A	2025-01-22	LP2A250122M	1 U	1 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-02-06	LP2A250206M	1 U	1 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-03-25	LP2A250325M	1 U	1 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-01-22	L46N250122D	1 U	1 U	2 U	1.8 JT	2 U	1 U
LS-MH46N	2025-01-22	L46N250122M	1 U	1 U	2 U	2 JT	2 U	1 U
LS-MH46N	2025-02-06	L46N250206M	1 U	1 U	2 U	1.5 JT	2 U	1 U
LS-MH46N	2025-03-25	L46N250325D	1 U	1 U	2 U	1.5 JT	2 U	1 U
LS-MH46N	2025-03-25	L46N250325M	1 U	1 U	2 U	1.5 JT	2 U	1 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	2 U	4 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-02-06	LEPS250206M	2 U	4 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-03-25	LEPS250325M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-01-22	LV1A250122M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-02-26	LV1A250206M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-03-25	LV1A250325M	2 U	4 U	4 U	2 U	4 U	2 U
LS-PS2A	2025-01-22	LP2A250122M	1 U	2 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-02-06	LP2A250206M	1 U	2 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-03-25	LP2A250325M	1 U	2 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-01-22	L46N250122D	1 U	2 U	2 U	2.3	2 U	1 U
LS-MH46N	2025-01-22	L46N250122M	1 U	2 U	2 U	2.48	2 U	1 U
LS-MH46N	2025-02-06	L46N250206M	1 U	2 U	2 U	1.5 JT	2 U	1 U
LS-MH46N	2025-03-25	L46N250325D	1 U	2 U	2 U	1.4 JT	2 U	1 U
LS-MH46N	2025-03-25	L46N250325M	1 U	2 U	2 U	1.5 JT	2 U	1 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	4 U	2 U	2 U	4 U	10 U	10 U
LS-LEPS	2025-02-06	LEPS250206M	4 U	2 U	2 U	4 U	10 U	10 U
LS-LEPS	2025-03-25	LEPS250325M	4 U	2 U	2 U	4 U	10 U	10 U
LS-V1A	2025-01-22	LV1A250122M	4 U	2.4 JT	5.41	4 U	10 U	10 U
LS-V1A	2025-02-26	LV1A250206M	4 U	2.9 JT	6.65	4 U	10 U	10 U
LS-V1A	2025-03-25	LV1A250325M	4 U	2 U	4.21	4 U	10 U	10 U
LS-PS2A	2025-01-22	LP2A250122M	2 U	1 U	1 U	2 U	5 U	5 U
LS-PS2A	2025-02-06	LP2A250206M	2 U	1 U	1 U	2 U	5 U	5 U
LS-PS2A	2025-03-25	LP2A250325M	2 U	1 U	1 U	2 U	5 U	5 U
LS-MH46N	2025-01-22	L46N250122D	2 U	36.3	35.2	2 U	5 U	5 U
LS-MH46N	2025-01-22	L46N250122M	2 U	38.6	37.7	2 U	5 U	5 U
LS-MH46N	2025-02-06	L46N250206M	2 U	27.9	24.2	2 U	5 U	5 U
LS-MH46N	2025-03-25	L46N250325D	2 U	27.5	22.8	2 U	5 U	5 U
LS-MH46N	2025-03-25	L46N250325M	2 U	26.6	21.7	2 U	5 U	5 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	40 U	2 U	100 U	2 U	2 GU	2 U
LS-LEPS	2025-02-06	LEPS250206M	40 U	2 U	100 U	2 U	2 U	2 U
LS-LEPS	2025-03-25	LEPS250325M	40 U	2 U	100 U	2 U	2 U	2 U
LS-V1A	2025-01-22	LV1A250122M	40 U	2.9 JT	100 U	2 U	2 GU	10.8
LS-V1A	2025-02-26	LV1A250206M	40 U	3.6 JT	100 U	2 U	2 U	11.6
LS-V1A	2025-03-25	LV1A250325M	40 U	2.3 JT	100 U	2 U	2 U	12.8
LS-PS2A	2025-01-22	LP2A250122M	20 U	1 U	50 U	1 U	1 GU	1 U
LS-PS2A	2025-02-06	LP2A250206M	20 U	1 U	50 U	1 U	1 U	1 U
LS-PS2A	2025-03-25	LP2A250325M	20 U	1 U	50 U	1 U	1 U	1 U
LS-MH46N	2025-01-22	L46N250122D	20 U	1.6 JT	50 U	1 U	1 GU	2.17
LS-MH46N	2025-01-22	L46N250122M	20 U	1.7 JT	50 U	1 U	1 GU	2.38
LS-MH46N	2025-02-06	L46N250206M	20 U	1.3 JT	50 U	1 U	1 U	2.08
LS-MH46N	2025-03-25	L46N250325D	20 U	1.2 JT	50 U	1 U	1 U	1.9 JT
LS-MH46N	2025-03-25	L46N250325M	20 U	1.2 JT	50 U	1 U	1 U	1.8 JT

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate	Vinyl Chloride
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-LEPS	2025-02-06	LEPS250206M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-LEPS	2025-03-25	LEPS250325M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-01-22	LV1A250122M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-02-26	LV1A250206M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-03-25	LV1A250325M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-PS2A	2025-01-22	LP2A250122M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-PS2A	2025-02-06	LP2A250206M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-PS2A	2025-03-25	LP2A250325M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-MH46N	2025-01-22	L46N250122D	1 U	2 U	25 U	1 U	1 U	2 U	4.09 D
LS-MH46N	2025-01-22	L46N250122M	1 U	2 U	25 U	1 U	1 U	2 U	4.28 D
LS-MH46N	2025-02-06	L46N250206M	1 U	2 U	25 U	1 U	1 U	2 U	3.31 D
LS-MH46N	2025-03-25	L46N250325D	1 U	2 U	25 U	1 U	1 U	2 U	2.93 D
LS-MH46N	2025-03-25	L46N250325M	1 U	2 U	25 U	1 U	1 U	2 U	2.99 D

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	2 U	2 U	2 U	2 U	4 U	2 U
LS-LEPS	2025-05-06	LEPS250506M	2 U	2 U	2 U	2 U	4 U	2 U
LS-LEPS	2025-06-02	LEPS250602M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-04-15	LV1A250415M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-05-06	LV1A250506M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-06-03	LV1A250603M	2 U	2 U	2 U	2 U	4 U	2 U
LS-PS2A	2025-04-15	LP2A250415M	1 U	1 U	1 U	1 U	2 U	1 U
LS-PS2A	2025-05-05	LP2A250505M	1 U	1 U	1 U	1 U	2 U	1 U
LS-PS2A	2025-06-04	LP2A250604M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-04-15	L46N250415M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-05-05	L46N250505M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-06-04	L46N250604M	1 U	1 U	1 U	1 U	2 U	1 U

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	4 U	4 U	4 U	2 U	2 U	2 U
LS-LEPS	2025-05-06	LEPS250506M	4 U	4 U	4 U	2 U	2 U	2 U
LS-LEPS	2025-06-02	LEPS250602M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-04-15	LV1A250415M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-05-06	LV1A250506M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-06-03	LV1A250603M	4 U	4 U	4 U	2 U	2 U	2 U
LS-PS2A	2025-04-15	LP2A250415M	2 U	2 U	2 U	1 U	1 U	1 U
LS-PS2A	2025-05-05	LP2A250505M	2 U	2 U	2 U	1 U	1 U	1 U
LS-PS2A	2025-06-04	LP2A250604M	2 U	2 U	2 U	1 U	1 U	1 U
LS-MH46N	2025-04-15	L46N250415M	2 U	2 U	2 U	2.27	1 U	1 U
LS-MH46N	2025-05-05	L46N250505M	2 U	2 U	2 U	1.4 JT	1 U	1 U
LS-MH46N	2025-06-04	L46N250604M	2 U	2 U	2 U	2.38	1 U	1 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	4 U	2 U	2 U	2 U	80 U	80 U
LS-LEPS	2025-05-06	LEPS250506M	4 U	2 U	2 U	2 U	80 U	80 U
LS-LEPS	2025-06-02	LEPS250602M	4 U	2 U	2 U	2 U	80 U	80 U
LS-V1A	2025-04-15	LV1A250415M	4 U	2 U	2 U	2 U	2240 D	80 U
LS-V1A	2025-05-06	LV1A250506M	4 U	2 U	2 U	2 U	3310 D	80 U
LS-V1A	2025-06-03	LV1A250603M	4 U	2 U	2 U	2 U	5400 D	80 U
LS-PS2A	2025-04-15	LP2A250415M	2 U	1 U	1 U	1 U	40 U	40 U
LS-PS2A	2025-05-05	LP2A250505M	2 U	1 U	1 U	1 U	40 U	40 U
LS-PS2A	2025-06-04	LP2A250604M	2 U	1 U	1 U	1 U	40 U	40 U
LS-MH46N	2025-04-15	L46N250415M	2 U	1 U	1 U	9.37	40 U	40 U
LS-MH46N	2025-05-05	L46N250505M	2 U	1 U	1 U	5.72	40 U	40 U
LS-MH46N	2025-06-04	L46N250604M	2 U	1 U	1 U	10.3	40 U	40 U

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	100 DU	4 U	2 U	80 U	80 U	200 DU
LS-LEPS	2025-05-06	LEPS250506M	100 DU	4 U	2 U	80 U	80 U	200 DU
LS-LEPS	2025-06-02	LEPS250602M	100 DU	4 U	2 U	80 U	80 U	200 DU
LS-V1A	2025-04-15	LV1A250415M	100 DU	4 U	2 U	80 U	2700 D	200 DU
LS-V1A	2025-05-06	LV1A250506M	100 DU	4 U	2 U	80 U	4110 D	200 DU
LS-V1A	2025-06-03	LV1A250603M	100 DU	4 U	2 U	80 U	5550 D	200 DU
LS-PS2A	2025-04-15	LP2A250415M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-PS2A	2025-05-05	LP2A250505M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-PS2A	2025-06-04	LP2A250604M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-04-15	L46N250415M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-05-05	L46N250505M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-06-04	L46N250604M	50 DU	2 U	1 U	40 U	40 U	100 DU

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-LEPS	2025-05-06	LEPS250506M	50 U	1 DU	2 U	2 U	4 U	4 U
LS-LEPS	2025-06-02	LEPS250602M	50 U	1 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-04-15	LV1A250415M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-05-06	LV1A250506M	50 U	1 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-06-03	LV1A250603M	50 U	1 DU	2 U	2 U	4 U	4 U
LS-PS2A	2025-04-15	LP2A250415M	25 U	5 DU	1 U	1 U	2 U	2 U
LS-PS2A	2025-05-05	LP2A250505M	25 U	0.5 DU	1 U	1 U	2 U	2 U
LS-PS2A	2025-06-04	LP2A250604M	25 U	0.5 DU	1 U	1 U	2 U	2 U
LS-MH46N	2025-04-15	L46N250415M	25 U	5 DU	3.15	1 U	2 U	2 U
LS-MH46N	2025-05-05	L46N250505M	25 U	0.5 DU	2	1 U	2 U	2 U
LS-MH46N	2025-06-04	L46N250604M	25 U	0.5 DU	3.31	1 U	2 U	2 U

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	2 U	2 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-05-06	LEPS250506M	2 U	2 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-06-02	LEPS250602M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-04-15	LV1A250415M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-05-06	LV1A250506M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-06-03	LV1A250603M	2 U	2 U	4 U	2 U	4 U	2 U
LS-PS2A	2025-04-15	LP2A250415M	1 U	1 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-05-05	LP2A250505M	1 U	1 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-06-04	LP2A250604M	1 U	1 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-04-15	L46N250415M	1 U	1 U	2 U	2 JT	2 U	1 U
LS-MH46N	2025-05-05	L46N250505M	1 U	1 U	2 U	1.1 JT	2 U	1 U
LS-MH46N	2025-06-04	L46N250604M	1 U	1 U	2 U	2.19	2 U	1 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	2 U	4 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-05-06	LEPS250506M	2 U	4 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-06-02	LEPS250602M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-04-15	LV1A250415M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-05-06	LV1A250506M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-06-03	LV1A250603M	2 U	4 U	4 U	2 U	4 U	2 U
LS-PS2A	2025-04-15	LP2A250415M	1 U	2 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-05-05	LP2A250505M	1 U	2 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-06-04	LP2A250604M	1 U	2 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-04-15	L46N250415M	1 U	2 U	2 U	2.19	2 U	1 U
LS-MH46N	2025-05-05	L46N250505M	1 U	2 U	2 U	1.4 JT	2 U	1 U
LS-MH46N	2025-06-04	L46N250604M	1 U	2 U	2 U	1.2 JT	2 U	1 U

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	4 U	2 U	2 U	4 U	10 U	10 U
LS-LEPS	2025-05-06	LEPS250506M	4 U	2 U	2 U	4 U	10 U	10 U
LS-LEPS	2025-06-02	LEPS250602M	4 U	2 U	2 U	4 U	10 U	10 U
LS-V1A	2025-04-15	LV1A250415M	4 U	2.2 JT	4.06	4 U	10 U	10 U
LS-V1A	2025-05-06	LV1A250506M	4 U	2.1 JT	4.01	4 U	10 U	10 U
LS-V1A	2025-06-03	LV1A250603M	4 U	2.6 JT	5.66	4 U	10 U	10 U
LS-PS2A	2025-04-15	LP2A250415M	2 U	1 U	1 U	2 U	5 U	5 U
LS-PS2A	2025-05-05	LP2A250505M	2 U	1 U	1 U	2 U	5 U	5 U
LS-PS2A	2025-06-04	LP2A250604M	2 U	1 U	1 U	2 U	5 U	5 U
LS-MH46N	2025-04-15	L46N250415M	2 U	37.5	33.9	2 U	5 U	5 U
LS-MH46N	2025-05-05	L46N250505M	2 U	22.1	18.6	2 U	5 U	5 U
LS-MH46N	2025-06-04	L46N250604M	2 U	38.8	25.6	2 U	5 U	5 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	40 U	2 U	100 U	2 U	2 U	2 U
LS-LEPS	2025-05-06	LEPS250506M	40 U	2 U	100 U	2 U	2 U	2 U
LS-LEPS	2025-06-02	LEPS250602M	40 U	2 U	100 U	2 U	2 U	2.5 JT
LS-V1A	2025-04-15	LV1A250415M	40 U	2.4 JT	100 U	2 U	2 U	10.7
LS-V1A	2025-05-06	LV1A250506M	40 U	2.4 JT	100 U	2 U	2 U	11
LS-V1A	2025-06-03	LV1A250603M	40 U	3.3 JT	100 U	2 U	2 U	11.8
LS-PS2A	2025-04-15	LP2A250415M	20 U	1 U	50 U	1 U	1 GU	1 U
LS-PS2A	2025-05-05	LP2A250505M	20 U	1 U	50 U	1 U	1 U	1 U
LS-PS2A	2025-06-04	LP2A250604M	20 U	1 U	50 U	1 U	1 U	1 U
LS-MH46N	2025-04-15	L46N250415M	20 U	1.5 JT	50 U	1 JT	1 U	2.23
LS-MH46N	2025-05-05	L46N250505M	20 U	1.1 JT	50 U	1 U	1 U	1.6 JT
LS-MH46N	2025-06-04	L46N250604M	20 U	1.8 JT	50 U	1 U	1 U	2.64

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate	Vinyl Chloride
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-LEPS	2025-05-06	LEPS250506M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-LEPS	2025-06-02	LEPS250602M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-04-15	LV1A250415M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-05-06	LV1A250506M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-06-03	LV1A250603M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-PS2A	2025-04-15	LP2A250415M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-PS2A	2025-05-05	LP2A250505M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-PS2A	2025-06-04	LP2A250604M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-MH46N	2025-04-15	L46N250415M	1 U	2 U	25 U	1 U	1 U	2 U	4.06 D
LS-MH46N	2025-05-05	L46N250505M	1 U	2 U	25 U	1 U	1 U	2 U	2.51 D
LS-MH46N	2025-06-04	L46N250604M	1 U	2 U	25 U	1 U	1 U	2 U	2.27 D

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	2 U	2 U	2 U	2 U	4 U	2 U
LS-LEPS	2025-08-05	LEPS250805M	2 U	2 U	2 U	2 U	4 U	2 U
LS-LEPS	2025-09-09	LEPS250909M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-07-09	LV1A250709M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-08-05	LV1A250805M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-09-09	LV1A250909M	2 U	2 U	2 U	2 U	4 U	2 U
LS-PS2A	2025-07-09	LP2A250709M	1 U	1 U	1 U	1 U	2 U	1 U
LS-PS2A	2025-08-05	LP2A250805M	1 U	1 U	1 U	1 U	2 U	1 U
LS-PS2A	2025-09-09	LP2A250909M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-07-09	L46N250709M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-08-05	L46N250805M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-09-09	L46N250909M	1 U	1 U	1 U	1 U	2 U	1 U

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	4 U	4 U	4 U	2 U	2 U	2 U
LS-LEPS	2025-08-05	LEPS250805M	4 U	4 U	4 U	2 U	2 U	2 U
LS-LEPS	2025-09-09	LEPS250909M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-07-09	LV1A250709M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-08-05	LV1A250805M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-09-09	LV1A250909M	4 U	4 U	4 U	2 U	2 U	2 U
LS-PS2A	2025-07-09	LP2A250709M	2 U	2 U	2 U	1 U	1 U	1 U
LS-PS2A	2025-08-05	LP2A250805M	2 U	2 U	2 U	1 U	1 U	1 U
LS-PS2A	2025-09-09	LP2A250909M	2 U	2 U	2 U	1 U	1 U	1 U
LS-MH46N	2025-07-09	L46N250709M	2 U	2 U	2 U	2.84	1 U	1 U
LS-MH46N	2025-08-05	L46N250805M	2 U	2 U	2 U	2.14	1 U	1 U
LS-MH46N	2025-09-09	L46N250909M	2 U	2 U	2 U	1.9 JT	1 U	1 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	4 U	2 U	2 U	2 U	80 U	80 U
LS-LEPS	2025-08-05	LEPS250805M	4 U	2 U	2 U	2 U	80 U	80 U
LS-LEPS	2025-09-09	LEPS250909M	4 U	2 U	2 U	2 U	80 U	80 U
LS-V1A	2025-07-09	LV1A250709M	4 U	2 U	2 U	2 U	5460 D	80 U
LS-V1A	2025-08-05	LV1A250805M	4 U	2 U	2 U	2 U	5670 D	80 U
LS-V1A	2025-09-09	LV1A250909M	4 U	2 U	2 U	2 U	5020 D	80 U
LS-PS2A	2025-07-09	LP2A250709M	2 U	1 U	1 U	1 U	40 U	40 U
LS-PS2A	2025-08-05	LP2A250805M	2 U	1 U	1 U	1 U	40 U	40 U
LS-PS2A	2025-09-09	LP2A250909M	2 U	1 U	1 U	1 U	40 U	40 U
LS-MH46N	2025-07-09	L46N250709M	2 U	1 U	1 U	11.4	40 U	40 U
LS-MH46N	2025-08-05	L46N250805M	2 U	1 U	1 U	9.28	40 U	40 U
LS-MH46N	2025-09-09	L46N250909M	2 U	1 U	1 U	6.95	40 U	40 U

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	100 DU	4 U	2 U	80 U	80 U	200 DU
LS-LEPS	2025-08-05	LEPS250805M	100 DU	4 U	2 U	80 U	80 U	200 DU
LS-LEPS	2025-09-09	LEPS250909M	100 DU	4 U	2 U	80 U	80 U	200 DU
LS-V1A	2025-07-09	LV1A250709M	215 D	4 U	2 U	80 U	7730 D	200 DU
LS-V1A	2025-08-05	LV1A250805M	277 D	4 U	2 U	80 U	7990 D	200 DU
LS-V1A	2025-09-09	LV1A250909M	194 D	4 U	2 U	80 U	8600 D	200 DU
LS-PS2A	2025-07-09	LP2A250709M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-PS2A	2025-08-05	LP2A250805M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-PS2A	2025-09-09	LP2A250909M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-07-09	L46N250709M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-08-05	L46N250805M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-09-09	L46N250909M	50 DU	2 U	1 U	40 U	40 U	100 DU

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-LEPS	2025-08-05	LEPS250805M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-LEPS	2025-09-09	LEPS250909M	50 GU	1 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-07-09	LV1A250709M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-08-05	LV1A250805M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-09-09	LV1A250909M	50 U	1 DU	2 U	2 U	4 U	4 U
LS-PS2A	2025-07-09	LP2A250709M	25 U	5 DU	1 U	1 U	2 U	2 U
LS-PS2A	2025-08-05	LP2A250805M	25 U	5 DU	1 U	1 U	2 U	2 U
LS-PS2A	2025-09-09	LP2A250909M	25 U	0.5 DU	1 U	1 U	2 U	2 U
LS-MH46N	2025-07-09	L46N250709M	25 U	5 DU	3.42	1 U	2 U	2 U
LS-MH46N	2025-08-05	L46N250805M	25 U	5 DU	2.84	1 U	2 U	2 U
LS-MH46N	2025-09-09	L46N250909M	25 U	0.5 DU	2.39	1 U	2 U	2 U

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	2 U	2 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-08-05	LEPS250805M	2 U	2 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-09-09	LEPS250909M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-07-09	LV1A250709M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-08-05	LV1A250805M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-09-09	LV1A250909M	2 U	2 U	4 U	2 U	4 U	2 U
LS-PS2A	2025-07-09	LP2A250709M	1 U	1 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-08-05	LP2A250805M	1 U	1 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-09-09	LP2A250909M	1 U	1 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-07-09	L46N250709M	1 U	1 U	2 U	2.36	2 U	1 U
LS-MH46N	2025-08-05	L46N250805M	1 U	1 U	2 U	1.9 JT	2 U	1 U
LS-MH46N	2025-09-09	L46N250909M	1 U	1 U	2 U	1.5 JT	2 U	1 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	2 U	4 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-08-05	LEPS250805M	2 U	4 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-09-09	LEPS250909M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-07-09	LV1A250709M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-08-05	LV1A250805M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-09-09	LV1A250909M	2 U	4 U	4 U	2 U	4 U	2 U
LS-PS2A	2025-07-09	LP2A250709M	1 U	2 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-08-05	LP2A250805M	1 U	2 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-09-09	LP2A250909M	1 U	2 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-07-09	L46N250709M	1 U	2 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-08-05	L46N250805M	1 U	2 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-09-09	L46N250909M	1 U	2 U	2 U	1 U	2 U	1 U

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	4 U	2 U	2 U	4 U	10 U	10 U
LS-LEPS	2025-08-05	LEPS250805M	4 U	2 U	2 U	4 U	10 U	10 U
LS-LEPS	2025-09-09	LEPS250909M	4 U	2 U	2 U	4 U	10 U	10 U
LS-V1A	2025-07-09	LV1A250709M	4 U	2 U	2.8 JT	4 U	10 U	10 U
LS-V1A	2025-08-05	LV1A250805M	4 U	2 U	4.08	4 U	10 U	10 U
LS-V1A	2025-09-09	LV1A250909M	4 U	3.7 JT	7.59	4 U	10 U	10 U
LS-PS2A	2025-07-09	LP2A250709M	2 U	1 U	1 U	2 U	5 U	5 U
LS-PS2A	2025-08-05	LP2A250805M	2 U	1 U	1 U	2 U	5 U	5 U
LS-PS2A	2025-09-09	LP2A250909M	2 U	1 U	1 U	2 U	5 U	5 U
LS-MH46N	2025-07-09	L46N250709M	2 U	42.9	26.6	2 U	5 U	5 U
LS-MH46N	2025-08-05	L46N250805M	2 U	34.1	21.2	2 U	5 U	5 U
LS-MH46N	2025-09-09	L46N250909M	2 U	26.2	16.3	2 U	5 U	5 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	40 U	2 U	100 U	2 U	2 U	2 U
LS-LEPS	2025-08-05	LEPS250805M	40 U	2 U	100 U	2 U	2 U	2 U
LS-LEPS	2025-09-09	LEPS250909M	40 U	2 U	100 U	2 U	2 U	2 U
LS-V1A	2025-07-09	LV1A250709M	40 U	2 U	100 U	2 U	2 U	5.25
LS-V1A	2025-08-05	LV1A250805M	40 U	2.4 JT	100 U	2 U	2 U	8.39
LS-V1A	2025-09-09	LV1A250909M	40 U	4.17	100 U	2 U	2 U	15.4
LS-PS2A	2025-07-09	LP2A250709M	20 U	1 U	50 U	1 U	1 U	1 U
LS-PS2A	2025-08-05	LP2A250805M	20 U	1 U	50 U	1 U	1 U	1 U
LS-PS2A	2025-09-09	LP2A250909M	22.1	1 U	50 U	1 U	1 U	1 U
LS-MH46N	2025-07-09	L46N250709M	20 U	2.24	50 U	1 JT	1 U	2.89
LS-MH46N	2025-08-05	L46N250805M	20 U	1.8 JT	50 U	1 U	1 U	2.23
LS-MH46N	2025-09-09	L46N250909M	20 U	1.7 JT	50 U	1 U	1 U	2 JT

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate	Vinyl Chloride
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-LEPS	2025-08-05	LEPS250805M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-LEPS	2025-09-09	LEPS250909M	2 U	4 U	50 U	2 U	2 U	4 GU	0.2 DU
LS-V1A	2025-07-09	LV1A250709M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-08-05	LV1A250805M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-09-09	LV1A250909M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-PS2A	2025-07-09	LP2A250709M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-PS2A	2025-08-05	LP2A250805M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-PS2A	2025-09-09	LP2A250909M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-MH46N	2025-07-09	L46N250709M	1 U	2 U	25 U	1 U	1 U	2 U	1.74 D
LS-MH46N	2025-08-05	L46N250805M	1 U	2 U	25 U	1 U	1 U	2 U	1.51 D
LS-MH46N	2025-09-09	L46N250909M	1 U	2 U	25 U	1 U	1 U	2 U	1.19 D

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,1-Dichloro-ethane	1,1-Dichloro-ethene	1,1-Dichloro-propene	1,1,1-Trichloro-ethane	1,1,1,2-Tetra-chloro-ethane	1,1,2-Trichloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	2 U	2 U	2 U	2 U	4 U	2 U
LS-LEPS	2025-11-12	LEPS251112M	2 U	2 U	2 U	2 U	4 U	2 U
LS-LEPS	2025-12-09	LEPS251209M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-10-07	LV1A251007M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-11-13	LV1A251113M	2 U	2 U	2 U	2 U	4 U	2 U
LS-V1A	2025-12-10	LV1A251210M	2 U	2 U	2 U	2 U	4 U	2 U
LS-PS2A	2025-10-07	LP2A251007M	1 U	1 U	1 U	1 U	2 U	1 U
LS-PS2A	2025-11-13	LP2A251113M	1 U	1 U	1 U	1 U	2 U	1 U
LS-PS2A	2025-12-10	LP2A251210M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-10-07	L46N251007M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-11-13	L46N251113M	1 U	1 U	1 U	1 U	2 U	1 U
LS-MH46N	2025-12-10	L46N251210M	1 U	1 U	1 U	1 U	2 U	1 U

Well	Sample Date	Sample ID	1,1,2,2-Tetra-chloro-ethane	1,2-Dibromo-3-chloro-propane	1,2-Dibromo-ethane	1,2-Dichloro-benzene	1,2-Dichloro-ethane	1,2-Dichloro-propane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	4 U	4 U	4 U	2 U	2 U	2 U
LS-LEPS	2025-11-12	LEPS251112M	4 U	4 U	4 U	2 U	2 U	2 U
LS-LEPS	2025-12-09	LEPS251209M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-10-07	LV1A251007M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-11-13	LV1A251113M	4 U	4 U	4 U	2 U	2 U	2 U
LS-V1A	2025-12-10	LV1A251210M	4 U	4 U	4 U	2 U	2 U	2 U
LS-PS2A	2025-10-07	LP2A251007M	2 U	2 U	2 U	1 U	1 U	1 U
LS-PS2A	2025-11-13	LP2A251113M	2 U	2 U	2 U	1 U	1 U	1 U
LS-PS2A	2025-12-10	LP2A251210M	2 U	2 U	2 U	1 U	1 U	1 U
LS-MH46N	2025-10-07	L46N251007M	2 U	2 U	2 U	2.52	1 U	1 U
LS-MH46N	2025-11-13	L46N251113M	2 U	2 U	2 U	2.32	1 U	1 U
LS-MH46N	2025-12-10	L46N251210M	2 U	2 U	2 U	2.03	1 U	1 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	1,2,3-Trichloro-propane	1,3-Dichloro-benzene	1,3-Dichloro-propane	1,4-Dichloro-benzene	2-Butanone	2-Hexanone
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	4 U	2 U	2 U	2 U	80 U	80 U
LS-LEPS	2025-11-12	LEPS251112M	4 U	2 U	2 U	2 U	80 U	80 U
LS-LEPS	2025-12-09	LEPS251209M	4 U	2 U	2 U	2 U	239	80 U
LS-V1A	2025-10-07	LV1A251007M	4 U	2 U	2 U	2 U	5650 D	80 U
LS-V1A	2025-11-13	LV1A251113M	4 U	2 U	2 U	2 U	1850 D	80 U
LS-V1A	2025-12-10	LV1A251210M	4 U	2 U	2 U	2 U	785	80 U
LS-PS2A	2025-10-07	LP2A251007M	2 U	1 U	1 U	1 U	40 U	40 U
LS-PS2A	2025-11-13	LP2A251113M	2 U	1 U	1 U	1 U	40 U	40 U
LS-PS2A	2025-12-10	LP2A251210M	2 U	1 U	1 U	1 U	40 U	40 U
LS-MH46N	2025-10-07	L46N251007M	2 U	1 U	1 U	9.29	40 U	40 U
LS-MH46N	2025-11-13	L46N251113M	2 U	1 U	1 U	9.47	40 U	40 U
LS-MH46N	2025-12-10	L46N251210M	2 U	1 U	1 U	10.1	40 U	40 U

Well	Sample Date	Sample ID	2-Methyl-1-Propanol	2,2-Dichloro-propane	3-Chloro-propene	4-Methyl-2-pentanone	Acetone	Aceto-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	100 DU	4 U	2 U	80 U	80 U	200 DU
LS-LEPS	2025-11-12	LEPS251112M	100 DU	4 U	2 U	80 U	80 U	200 DU
LS-LEPS	2025-12-09	LEPS251209M	100 DU	4 U	2 U	80 U	438	200 DU
LS-V1A	2025-10-07	LV1A251007M	146 D	4 U	2 U	80 U	9380 D	200 DU
LS-V1A	2025-11-13	LV1A251113M	100 DU	4 U	2 U	80 U	2610 D	200 DU
LS-V1A	2025-12-10	LV1A251210M	100 DU	4 U	2 U	80 U	727	200 DU
LS-PS2A	2025-10-07	LP2A251007M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-PS2A	2025-11-13	LP2A251113M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-PS2A	2025-12-10	LP2A251210M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-10-07	L46N251007M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-11-13	L46N251113M	50 DU	2 U	1 U	40 U	40 U	100 DU
LS-MH46N	2025-12-10	L46N251210M	50 DU	2 U	1 U	40 U	40 U	100 DU

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Acrolein	Acrylo-nitrile	Benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	50 U	1 DU	2 U	2 U	4 U	4 U
LS-LEPS	2025-11-12	LEPS251112M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-LEPS	2025-12-09	LEPS251209M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-10-07	LV1A251007M	50 U	1 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-11-13	LV1A251113M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-V1A	2025-12-10	LV1A251210M	50 U	10 DU	2 U	2 U	4 U	4 U
LS-PS2A	2025-10-07	LP2A251007M	25 U	0.5 DU	1 U	1 U	2 U	2 U
LS-PS2A	2025-11-13	LP2A251113M	25 U	5 DU	1 U	1 U	2 U	2 U
LS-PS2A	2025-12-10	LP2A251210M	25 U	5 DU	1 U	1 U	2 U	2 U
LS-MH46N	2025-10-07	L46N251007M	25 U	0.5 DU	2.82	1 U	2 U	2 U
LS-MH46N	2025-11-13	L46N251113M	25 U	5 DU	3.42	1 U	2 U	2 U
LS-MH46N	2025-12-10	L46N251210M	25 U	5 DU	2.93	1 U	2 U	2 U

Well	Sample Date	Sample ID	Bromo-methane	Carbon Disulfide	Carbon Tetra-chloride	Chloro-benzene	Chloro-dibromo-methane	Chloro-ethane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	2 U	2 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-11-12	LEPS251112M	2 U	2 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-12-09	LEPS251209M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-10-07	LV1A251007M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-11-13	LV1A251113M	2 U	2 U	4 U	2 U	4 U	2 U
LS-V1A	2025-12-10	LV1A251210M	2 U	2 U	4 U	2 U	4 U	2 U
LS-PS2A	2025-10-07	LP2A251007M	1 U	1 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-11-13	LP2A251113M	1 U	1 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-12-10	LP2A251210M	1 U	1 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-10-07	L46N251007M	1 U	1 U	2 U	2 JT	2 U	1 U
LS-MH46N	2025-11-13	L46N251113M	1 U	1 U	2 U	2.09	2 U	1 U
LS-MH46N	2025-12-10	L46N251210M	1 U	1 U	2 U	1.8 JT	2 U	1 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Chloroform	Chloro-methane	Chloroprene	Cis-1,2-Dichloro-ethene	Cis-1,3-Dichloro-propene	Dibromo-methane
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	2 U	4 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-11-12	LEPS251112M	2 U	4 U	4 U	2 U	4 U	2 U
LS-LEPS	2025-12-09	LEPS251209M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-10-07	LV1A251007M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-11-13	LV1A251113M	2 U	4 U	4 U	2 U	4 U	2 U
LS-V1A	2025-12-10	LV1A251210M	2 U	4 U	4 U	2 U	4 U	2 U
LS-PS2A	2025-10-07	LP2A251007M	1 U	2 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-11-13	LP2A251113M	1 U	2 U	2 U	1 U	2 U	1 U
LS-PS2A	2025-12-10	LP2A251210M	1 U	2 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-10-07	L46N251007M	1 U	2 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-11-13	L46N251113M	1 U	2 U	2 U	1 U	2 U	1 U
LS-MH46N	2025-12-10	L46N251210M	1 U	2 U	2 U	2.52	2 U	1 U

Well	Sample Date	Sample ID	Dichloro-difluoro-methane	Ethyl-benzene	M & P Xylene	Methyl Iodide	Methyl Meth-acrylate	Methyl-acrylo-nitrile
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	4 U	2 U	2 U	4 U	10 U	10 U
LS-LEPS	2025-11-12	LEPS251112M	4 U	2 U	2 U	4 U	10 U	10 U
LS-LEPS	2025-12-09	LEPS251209M	4 U	2 U	2 U	4 U	10 U	10 U
LS-V1A	2025-10-07	LV1A251007M	4 U	4.21	9.29	4 U	10 U	10 U
LS-V1A	2025-11-13	LV1A251113M	4 U	2.1 JT	4.39	4 U	10 U	10 U
LS-V1A	2025-12-10	LV1A251210M	4 U	2.4 JT	5.61	4 U	10 U	10 U
LS-PS2A	2025-10-07	LP2A251007M	2 U	1 U	1 U	2 U	5 U	5 U
LS-PS2A	2025-11-13	LP2A251113M	2 U	1 U	1 U	2 U	5 U	5 U
LS-PS2A	2025-12-10	LP2A251210M	2 U	1 U	1 U	2 U	5 U	5 U
LS-MH46N	2025-10-07	L46N251007M	2 U	35	22	2 U	5 U	5 U
LS-MH46N	2025-11-13	L46N251113M	2 U	41.9	27.9	2 U	5 U	5 U
LS-MH46N	2025-12-10	L46N251210M	2 U	38.5	42.1	2 U	5 U	5 U

Table H-4
Leachate – Volatile Organic Compounds

Well	Sample Date	Sample ID	Methylene Chloride	O-Xylene	Propio-nitrile	Styrene	Tetra-chloro-ethene	Toluene
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	40 U	2 U	100 U	2 U	2 U	2 U
LS-LEPS	2025-11-12	LEPS251112M	40 U	2 U	100 U	2 U	2 U	2 U
LS-LEPS	2025-12-09	LEPS251209M	40 U	2 U	100 U	2 U	2 U	2 U
LS-V1A	2025-10-07	LV1A251007M	40 U	5.12	100 U	2 U	2 U	15.5
LS-V1A	2025-11-13	LV1A251113M	40 U	2.2 JT	100 U	2 U	2 U	5.96
LS-V1A	2025-12-10	LV1A251210M	40 U	2.5 JT	100 U	2 U	2 U	15.5
LS-PS2A	2025-10-07	LP2A251007M	20 U	1 U	50 U	1 U	1 U	1 U
LS-PS2A	2025-11-13	LP2A251113M	20 U	1 U	50 U	1 U	1 U	1 U
LS-PS2A	2025-12-10	LP2A251210M	20 U	1 U	50 U	1 U	1 U	1 U
LS-MH46N	2025-10-07	L46N251007M	20 U	2.47	50 U	1 JT	1 U	2.49
LS-MH46N	2025-11-13	L46N251113M	20 U	2.88	50 U	1 U	1 U	3.45
LS-MH46N	2025-12-10	L46N251210M	20 U	2.9	50 U	1.1 JT	1 U	3.15

Well	Sample Date	Sample ID	Trans-1,2-Dichloro-ethene	Trans-1,3-Dichloro-propene	Trans-1,4-Dichloro-2-Butene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl Acetate	Vinyl Chloride
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-LEPS	2025-11-12	LEPS251112M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-LEPS	2025-12-09	LEPS251209M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-10-07	LV1A251007M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-11-13	LV1A251113M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-V1A	2025-12-10	LV1A251210M	2 U	4 U	50 U	2 U	2 U	4 U	0.2 DU
LS-PS2A	2025-10-07	LP2A251007M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-PS2A	2025-11-13	LP2A251113M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-PS2A	2025-12-10	LP2A251210M	1 U	2 U	25 U	1 U	1 U	2 U	0.1 DU
LS-MH46N	2025-10-07	L46N251007M	1 U	2 U	25 U	1 U	1 U	2 U	0.905 D
LS-MH46N	2025-11-13	L46N251113M	1 U	2 U	25 U	1 U	1 U	2 U	1.66 D
LS-MH46N	2025-12-10	L46N251210M	1 U	2 U	25 U	1 U	1 U	2 U	3.5 D

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	2,4-D	2,4,5-T	2,4,5-TP Silvex	4,4'DDD	4,4'DDE	4,4'DDT
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	1.76	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-LEPS	2025-02-06	LEPS250206M	2.41 J	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-LEPS	2025-03-25	LEPS250325M	2.01	1 U	1 U	0.025 U	0.025 U	0.025 U
LS-V1A	2025-01-22	LV1A250122M	2.05	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-V1A	2025-02-26	LV1A250206M	2.68 J	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-V1A	2025-03-25	LV1A250325M	2.8	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-PS2A	2025-01-22	LP2A250122M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-02-06	LP2A250206M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-03-25	LP2A250325M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-MH46N	2025-01-22	L46N250122D	1.27	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-MH46N	2025-01-22	L46N250122M	2.18 J	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-MH46N	2025-02-06	L46N250206M	3.53 J	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-MH46N	2025-03-25	L46N250325D	1 U	1 U	1 U	0.025 U	0.025 U	0.025 U
LS-MH46N	2025-03-25	L46N250325M	1 U	1 U	1 U	0.025 U	0.025 U	0.025 U

Well	Sample Date	Sample ID	Aldrin	Alpha BHC	Alpha Chlordane	Aroclor 1016	Aroclor 1221	Aroclor 1232
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-LEPS	2025-02-06	LEPS250206M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-LEPS	2025-03-25	LEPS250325M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-V1A	2025-01-22	LV1A250122M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-V1A	2025-02-26	LV1A250206M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-V1A	2025-03-25	LV1A250325M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-01-22	LP2A250122M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-02-06	LP2A250206M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-03-25	LP2A250325M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-MH46N	2025-01-22	L46N250122D	0.1 U	0.1 U	0.1 U	0.025 U	0.0604	0.025 U
LS-MH46N	2025-01-22	L46N250122M	0.1 U	0.1 U	0.1 U	0.025 U	0.0633	0.025 U
LS-MH46N	2025-02-06	L46N250206M	0.1 U	0.1 U	0.1 U	0.025 U	0.0538	0.025 U
LS-MH46N	2025-03-25	L46N250325D	0.025 U	0.025 U	0.025 U	0.025 U	0.0514	0.025 U
LS-MH46N	2025-03-25	L46N250325M	0.025 U	0.025 U	0.025 U	0.025 U	0.0486	0.025 U

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Beta BHC	Delta BHC
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	0.025 U	0.025 U	0.025 U	0.025 U	0.1 GU	0.1 GU
LS-LEPS	2025-02-06	LEPS250206M	0.025 U	0.025 U	0.025 U	0.025 GU	0.1 U	0.1 U
LS-LEPS	2025-03-25	LEPS250325M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-V1A	2025-01-22	LV1A250122M	0.0574	0.025 U	0.025 U	0.025 U	0.1 GU	0.1 GU
LS-V1A	2025-02-26	LV1A250206M	0.0473	0.025 U	0.025 U	0.025 GU	0.1 U	0.1 U
LS-V1A	2025-03-25	LV1A250325M	0.0389	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-PS2A	2025-01-22	LP2A250122M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-PS2A	2025-02-06	LP2A250206M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-PS2A	2025-03-25	LP2A250325M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-MH46N	2025-01-22	L46N250122D	0.138	0.025 U	0.025 U	0.025 U	0.1 GU	0.1 GU
LS-MH46N	2025-01-22	L46N250122M	0.117	0.025 U	0.025 U	0.025 U	0.1 GU	0.1 GU
LS-MH46N	2025-02-06	L46N250206M	0.141	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-MH46N	2025-03-25	L46N250325D	0.111	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 GU
LS-MH46N	2025-03-25	L46N250325M	0.107	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 GU

Well	Sample Date	Sample ID	Dieldrin	Dinoseb	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin Aldehyde
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-LEPS	2025-02-06	LEPS250206M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-LEPS	2025-03-25	LEPS250325M	0.025 U	1 U	0.025 U	0.025 U	0.025 U	0.025 GU
LS-V1A	2025-01-22	LV1A250122M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-V1A	2025-02-26	LV1A250206M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-V1A	2025-03-25	LV1A250325M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-PS2A	2025-01-22	LP2A250122M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-02-06	LP2A250206M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-03-25	LP2A250325M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-MH46N	2025-01-22	L46N250122D	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-MH46N	2025-01-22	L46N250122M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-MH46N	2025-02-06	L46N250206M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-MH46N	2025-03-25	L46N250325D	0.025 U	1 U	0.025 U	0.025 U	0.025 U	0.025 GU
LS-MH46N	2025-03-25	L46N250325M	0.025 U	1 U	0.025 U	0.025 U	0.025 U	0.025 GU

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	Endrin	Heptachlor Epoxide	Heptachlor	Isodrin	Lindane (Gamma BHC)	Methoxy-chlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-LEPS	2025-02-06	LEPS250206M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-LEPS	2025-03-25	LEPS250325M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U
LS-V1A	2025-01-22	LV1A250122M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-V1A	2025-02-26	LV1A250206M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-V1A	2025-03-25	LV1A250325M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-PS2A	2025-01-22	LP2A250122M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-PS2A	2025-02-06	LP2A250206M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-PS2A	2025-03-25	LP2A250325M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-MH46N	2025-01-22	L46N250122D	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-MH46N	2025-01-22	L46N250122M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-MH46N	2025-02-06	L46N250206M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-MH46N	2025-03-25	L46N250325D	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U
LS-MH46N	2025-03-25	L46N250325M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U

Well	Sample Date	Sample ID	Total Aroclors	Toxaphene	Trans-Chlordane
			µg/L	µg/L	µg/L
LS-LEPS	2025-01-22	LEPS250122M	0.025 U	5 U	0.1 GU
LS-LEPS	2025-02-06	LEPS250206M	0.025 U	5 U	0.1 U
LS-LEPS	2025-03-25	LEPS250325M	0.025 U	1.25 U	0.025 U
LS-V1A	2025-01-22	LV1A250122M	0.0574	5 U	0.1 GU
LS-V1A	2025-02-26	LV1A250206M	0.0473	5 U	0.1 U
LS-V1A	2025-03-25	LV1A250325M	0.0389	5 U	0.1 U
LS-PS2A	2025-01-22	LP2A250122M	0.025 U	0.5 U	0.01 U
LS-PS2A	2025-02-06	LP2A250206M	0.025 U	0.5 U	0.01 U
LS-PS2A	2025-03-25	LP2A250325M	0.025 U	0.5 U	0.01 U
LS-MH46N	2025-01-22	L46N250122D	0.1984	5 U	0.1 GU
LS-MH46N	2025-01-22	L46N250122M	0.1803	5 U	0.1 GU
LS-MH46N	2025-02-06	L46N250206M	0.1948	5 U	0.1 GU
LS-MH46N	2025-03-25	L46N250325D	0.1624	1.25 U	0.025 GU
LS-MH46N	2025-03-25	L46N250325M	0.1556	1.25 U	0.025 GU

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	2,4-D	2,4,5-T	2,4,5-TP Silvex	4,4'DDD	4,4'DDE	4,4'DDT
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	1.33	1 U	1 U	0.025 U	0.025 U	0.025 U
LS-LEPS	2025-05-06	LEPS250506M	1.56	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-LEPS	2025-06-02	LEPS250602M	1 U	1 U	1 U	0.1 GU	0.1 GU	0.1 GU
LS-V1A	2025-04-15	LV1A250415M	1.98	1 U	1 U	0.025 U	0.025 U	0.025 U
LS-V1A	2025-05-06	LV1A250506M	3.4 J	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-V1A	2025-06-03	LV1A250603M	2.97	1 U	1 U	0.1 GU	0.1 GU	0.1 GU
LS-PS2A	2025-04-15	LP2A250415M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-05-05	LP2A250505M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-06-04	LP2A250604M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-MH46N	2025-04-15	L46N250415M	4.74 J	1 U	1 U	0.025 U	0.025 U	0.025 U
LS-MH46N	2025-05-05	L46N250505M	1 U	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-MH46N	2025-06-04	L46N250604M	2.76 J	1 U	1 U	0.1 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	Aldrin	Alpha BHC	Alpha Chlordane	Aroclor 1016	Aroclor 1221	Aroclor 1232
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U
LS-LEPS	2025-05-06	LEPS250506M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-LEPS	2025-06-02	LEPS250602M	0.1 GU	0.1 U	0.1 GU	0.025 U	0.025 U	0.025 U
LS-V1A	2025-04-15	LV1A250415M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U
LS-V1A	2025-05-06	LV1A250506M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-V1A	2025-06-03	LV1A250603M	0.1 GU	0.1 U	0.1 GU	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-04-15	LP2A250415M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-05-05	LP2A250505M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-06-04	LP2A250604M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-MH46N	2025-04-15	L46N250415M	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U	0.025 U
LS-MH46N	2025-05-05	L46N250505M	0.1 U	0.1 U	0.1 U	0.025 U	0.0514 J	0.025 U
LS-MH46N	2025-06-04	L46N250604M	0.1 U	0.1 U	0.1 U	0.025 U	0.0591	0.025 U

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Beta BHC	Delta BHC
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 GU
LS-LEPS	2025-05-06	LEPS250506M	0.025 U	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-LEPS	2025-06-02	LEPS250602M	0.025 U	0.025 U	0.025 U	0.025 GU	0.1 GU	0.1 GU
LS-V1A	2025-04-15	LV1A250415M	0.0497	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 GU
LS-V1A	2025-05-06	LV1A250506M	0.0645	0.025 U	0.025 U	0.025 GU	0.1 U	0.1 U
LS-V1A	2025-06-03	LV1A250603M	0.0652	0.025 U	0.025 U	0.025 U	0.1 GU	0.1 GU
LS-PS2A	2025-04-15	LP2A250415M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-PS2A	2025-05-05	LP2A250505M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-PS2A	2025-06-04	LP2A250604M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-MH46N	2025-04-15	L46N250415M	0.0834	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 GU
LS-MH46N	2025-05-05	L46N250505M	0.087	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-MH46N	2025-06-04	L46N250604M	0.0871	0.025 U	0.025 U	0.025 U	0.1 GU	0.1 GU

Well	Sample Date	Sample ID	Dieldrin	Dinoseb	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin Aldehyde
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	0.025 U	1 U	0.025 U	0.025 U	0.025 U	0.025 GU
LS-LEPS	2025-05-06	LEPS250506M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-LEPS	2025-06-02	LEPS250602M	0.1 GU	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-V1A	2025-04-15	LV1A250415M	0.025 U	1 U	0.025 U	0.025 U	0.025 U	0.025 GU
LS-V1A	2025-05-06	LV1A250506M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-V1A	2025-06-03	LV1A250603M	0.1 GU	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-PS2A	2025-04-15	LP2A250415M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-05-05	LP2A250505M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-06-04	LP2A250604M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-MH46N	2025-04-15	L46N250415M	0.025 U	1 U	0.025 U	0.025 U	0.025 U	0.025 GU
LS-MH46N	2025-05-05	L46N250505M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U
LS-MH46N	2025-06-04	L46N250604M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	Endrin	Heptachlor Epoxide	Heptachlor	Isodrin	Lindane (Gamma BHC)	Methoxy-chlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U
LS-LEPS	2025-05-06	LEPS250506M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-LEPS	2025-06-02	LEPS250602M	0.1 U	0.1 U	0.1 GU	0.1 GU	0.1 U	0.5 U
LS-V1A	2025-04-15	LV1A250415M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U
LS-V1A	2025-05-06	LV1A250506M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-V1A	2025-06-03	LV1A250603M	0.1 U	0.1 U	0.1 GU	0.1 GU	0.1 U	0.5 U
LS-PS2A	2025-04-15	LP2A250415M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-PS2A	2025-05-05	LP2A250505M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-PS2A	2025-06-04	LP2A250604M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-MH46N	2025-04-15	L46N250415M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U
LS-MH46N	2025-05-05	L46N250505M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-MH46N	2025-06-04	L46N250604M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U

Well	Sample Date	Sample ID	Total Aroclors	Toxaphene	Trans-Chlordane
			µg/L	µg/L	µg/L
LS-LEPS	2025-04-14	LEPS250414M	0.025 U	1.25 U	0.025 GU
LS-LEPS	2025-05-06	LEPS250506M	0.025 U	5 U	0.1 GU
LS-LEPS	2025-06-02	LEPS250602M	0.025 U	5 U	0.1 GU
LS-V1A	2025-04-15	LV1A250415M	0.0497	1.25 U	0.025 GU
LS-V1A	2025-05-06	LV1A250506M	0.0645	5 U	0.1 GU
LS-V1A	2025-06-03	LV1A250603M	0.0652	5 U	0.1 GU
LS-PS2A	2025-04-15	LP2A250415M	0.025 U	0.5 U	0.01 U
LS-PS2A	2025-05-05	LP2A250505M	0.025 U	0.5 U	0.01 U
LS-PS2A	2025-06-04	LP2A250604M	0.025 U	0.5 U	0.01 U
LS-MH46N	2025-04-15	L46N250415M	0.0834	1.25 U	0.025 GU
LS-MH46N	2025-05-05	L46N250505M	0.1384	5 U	0.1 U
LS-MH46N	2025-06-04	L46N250604M	0.1462	5 U	0.1 GU

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	2,4-D	2,4,5-T	2,4,5-TP Silvex	4,4'DDD	4,4'DDE	4,4'DDT
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	1 U	1 U	1 U	0.1 GU	0.1 GU	0.1 GU
LS-LEPS	2025-08-05	LEPS250805M	1 U	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-LEPS	2025-09-09	LEPS250909M	1.74	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-V1A	2025-07-09	LV1A250709M	6.07	1 U	1 U	0.1 GU	0.1 GU	0.1 GU
LS-V1A	2025-08-05	LV1A250805M	5.58	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-V1A	2025-09-09	LV1A250909M	7.27	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-PS2A	2025-07-09	LP2A250709M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-08-05	LP2A250805M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-09-09	LP2A250909M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-MH46N	2025-07-09	L46N250709M	1.96 J	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-MH46N	2025-08-05	L46N250805M	1 U	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-MH46N	2025-09-09	L46N250909M	2.49	1 U	1 U	0.1 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	Aldrin	Alpha BHC	Alpha Chlordane	Aroclor 1016	Aroclor 1221	Aroclor 1232
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	0.1 GU	0.1 U	0.1 GU	0.025 U	0.025 U	0.025 U
LS-LEPS	2025-08-05	LEPS250805M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-LEPS	2025-09-09	LEPS250909M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-V1A	2025-07-09	LV1A250709M	0.1 GU	0.1 U	0.1 GU	0.025 U	0.025 U	0.025 U
LS-V1A	2025-08-05	LV1A250805M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-V1A	2025-09-09	LV1A250909M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-07-09	LP2A250709M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-08-05	LP2A250805M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-09-09	LP2A250909M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-MH46N	2025-07-09	L46N250709M	0.1 U	0.1 U	0.1 U	0.025 U	0.0665	0.025 U
LS-MH46N	2025-08-05	L46N250805M	0.1 U	0.1 U	0.1 U	0.025 U	0.0524	0.025 U
LS-MH46N	2025-09-09	L46N250909M	0.1 U	0.1 U	0.1 U	0.025 U	0.0582	0.025 U

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Beta BHC	Delta BHC
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	0.0446	0.025 U	0.025 U	0.025 U	0.1 GU	0.1 GU
LS-LEPS	2025-08-05	LEPS250805M	0.025 U	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-LEPS	2025-09-09	LEPS250909M	0.025 U	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-V1A	2025-07-09	LV1A250709M	0.0673	0.025 U	0.025 U	0.025 U	0.1 GU	0.1 GU
LS-V1A	2025-08-05	LV1A250805M	0.0407 J	0.025 U	0.0403 J	0.025 U	0.1 U	0.1 U
LS-V1A	2025-09-09	LV1A250909M	0.0871	0.025 U	0.025 U	0.025 GU	0.1 U	0.1 U
LS-PS2A	2025-07-09	LP2A250709M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-PS2A	2025-08-05	LP2A250805M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-PS2A	2025-09-09	LP2A250909M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-MH46N	2025-07-09	L46N250709M	0.156	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-MH46N	2025-08-05	L46N250805M	0.114	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-MH46N	2025-09-09	L46N250909M	0.109	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U

Well	Sample Date	Sample ID	Dieldrin	Dinoseb	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin Aldehyde
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-LEPS	2025-08-05	LEPS250805M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-LEPS	2025-09-09	LEPS250909M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-V1A	2025-07-09	LV1A250709M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-V1A	2025-08-05	LV1A250805M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-V1A	2025-09-09	LV1A250909M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-PS2A	2025-07-09	LP2A250709M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-08-05	LP2A250805M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-09-09	LP2A250909M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-MH46N	2025-07-09	L46N250709M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-MH46N	2025-08-05	L46N250805M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-MH46N	2025-09-09	L46N250909M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	Endrin	Heptachlor Epoxide	Heptachlor	Isodrin	Lindane (Gamma BHC)	Methoxy-chlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	0.1 U	0.1 U	0.1 U	0.1 GU	0.1 U	0.5 U
LS-LEPS	2025-08-05	LEPS250805M	0.1 U	0.1 U	0.1 U	0.1 GU	0.1 U	0.5 U
LS-LEPS	2025-09-09	LEPS250909M	0.1 U	0.1 U	0.1 U	0.1 GU	0.1 U	0.5 U
LS-V1A	2025-07-09	LV1A250709M	0.1 U	0.1 U	0.1 U	0.1 GU	0.1 U	0.5 U
LS-V1A	2025-08-05	LV1A250805M	0.1 U	0.1 U	0.1 U	0.1 GU	0.1 U	0.5 U
LS-V1A	2025-09-09	LV1A250909M	0.1 U	0.1 U	0.1 U	0.304 G	0.1 U	0.5 U
LS-PS2A	2025-07-09	LP2A250709M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-PS2A	2025-08-05	LP2A250805M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-PS2A	2025-09-09	LP2A250909M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-MH46N	2025-07-09	L46N250709M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-MH46N	2025-08-05	L46N250805M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-MH46N	2025-09-09	L46N250909M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U

Well	Sample Date	Sample ID	Total Aroclors	Toxaphene	Trans-Chlordane
			µg/L	µg/L	µg/L
LS-LEPS	2025-07-08	LEPS250708M	0.0446	5 U	0.1 GU
LS-LEPS	2025-08-05	LEPS250805M	0.025 U	5 U	0.1 GU
LS-LEPS	2025-09-09	LEPS250909M	0.025 U	5 U	0.1 U
LS-V1A	2025-07-09	LV1A250709M	0.0673	5 U	0.1 GU
LS-V1A	2025-08-05	LV1A250805M	0.081	5 U	0.1 GU
LS-V1A	2025-09-09	LV1A250909M	0.0871	5 U	0.1 U
LS-PS2A	2025-07-09	LP2A250709M	0.025 U	0.5 U	0.01 U
LS-PS2A	2025-08-05	LP2A250805M	0.025 U	0.5 U	0.01 U
LS-PS2A	2025-09-09	LP2A250909M	0.025 U	0.5 U	0.01 U
LS-MH46N	2025-07-09	L46N250709M	0.2225	5 U	0.1 U
LS-MH46N	2025-08-05	L46N250805M	0.1664	5 U	0.1 U
LS-MH46N	2025-09-09	L46N250909M	0.1672	5 U	0.1 U

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	2,4-D	2,4,5-T	2,4,5-TP Silvex	4,4'DDD	4,4'DDE	4,4'DDT
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	1.98	1 U	1 U	0.1 GU	0.1 GU	0.1 U
LS-LEPS	2025-11-12	LEPS251112M	2.01	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-LEPS	2025-12-09	LEPS251209M	1.46	1 U	1 U	0.025 GU	0.1 DU	0.025 U
LS-V1A	2025-10-07	LV1A251007M	3.38	1 U	1 U	0.1 GU	0.1 GU	0.1 U
LS-V1A	2025-11-13	LV1A251113M	3.45	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-V1A	2025-12-10	LV1A251210M	1.64	1 U	1 U	0.025 GU	0.1 DU	0.025 U
LS-PS2A	2025-10-07	LP2A251007M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-11-13	LP2A251113M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-12-10	LP2A251210M	1 U	1 U	1 U	0.01 U	0.01 U	0.01 U
LS-MH46N	2025-10-07	L46N251007M	2.89	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-MH46N	2025-11-13	L46N251113M	2.93 J	1 U	1 U	0.1 U	0.1 U	0.1 U
LS-MH46N	2025-12-10	L46N251210M	6.01	1 U	1 U	0.025 U	0.025 U	0.025 U

Well	Sample Date	Sample ID	Aldrin	Alpha BHC	Alpha Chlordane	Aroclor 1016	Aroclor 1221	Aroclor 1232
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	0.1 GU	0.1 U	0.1 GU	0.125 U	0.125 U	0.125 U
LS-LEPS	2025-11-12	LEPS251112M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-LEPS	2025-12-09	LEPS251209M	0.025 U	0.025 GU	0.025 GU	0.025 U	0.025 U	0.025 U
LS-V1A	2025-10-07	LV1A251007M	0.1 GU	0.1 U	0.1 GU	0.025 U	0.025 U	0.025 U
LS-V1A	2025-11-13	LV1A251113M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-V1A	2025-12-10	LV1A251210M	0.025 U	0.025 GU	0.025 GU	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-10-07	LP2A251007M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-11-13	LP2A251113M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-12-10	LP2A251210M	0.01 U	0.01 U	0.01 U	0.025 U	0.025 U	0.025 U
LS-MH46N	2025-10-07	L46N251007M	0.1 U	0.1 U	0.1 U	0.025 U	0.0655	0.025 U
LS-MH46N	2025-11-13	L46N251113M	0.1 U	0.1 U	0.1 U	0.025 U	0.025 U	0.025 U
LS-MH46N	2025-12-10	L46N251210M	0.025 U	0.025 U	0.025 U	0.025 U	0.0544	0.025 U

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Beta BHC	Delta BHC
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	0.125 U	0.125 U	0.125 U	0.125 GU	0.1 U	0.1 U
LS-LEPS	2025-11-12	LEPS251112M	0.025 U	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-LEPS	2025-12-09	LEPS251209M	0.025 U	0.025 U	0.025 U	0.025 GU	0.025 U	0.025 U
LS-V1A	2025-10-07	LV1A251007M	0.0454	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-V1A	2025-11-13	LV1A251113M	0.025 U	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-V1A	2025-12-10	LV1A251210M	0.0395	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
LS-PS2A	2025-10-07	LP2A251007M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-PS2A	2025-11-13	LP2A251113M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-PS2A	2025-12-10	LP2A251210M	0.025 U	0.025 U	0.025 U	0.025 U	0.01 U	0.01 U
LS-MH46N	2025-10-07	L46N251007M	0.0962	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-MH46N	2025-11-13	L46N251113M	0.103	0.025 U	0.025 U	0.025 U	0.1 U	0.1 U
LS-MH46N	2025-12-10	L46N251210M	0.103	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U

Well	Sample Date	Sample ID	Dieldrin	Dinoseb	Endosulfan I	Endosulfan II	Endosulfan Sulfate	Endrin Aldehyde
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	0.1 GU	1 U	0.1 GU	0.1 U	0.1 U	0.1 GU
LS-LEPS	2025-11-12	LEPS251112M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-LEPS	2025-12-09	LEPS251209M	0.025 GU	1 U	0.025 GU	0.025 GU	0.025 GU	0.025 GU
LS-V1A	2025-10-07	LV1A251007M	0.1 GU	1 U	0.1 GU	0.1 U	0.1 U	0.1 GU
LS-V1A	2025-11-13	LV1A251113M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-V1A	2025-12-10	LV1A251210M	0.025 GU	1 U	0.025 GU	0.025 GU	0.025 GU	0.025 GU
LS-PS2A	2025-10-07	LP2A251007M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-11-13	LP2A251113M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-PS2A	2025-12-10	LP2A251210M	0.01 U	1 U	0.01 U	0.01 U	0.01 U	0.01 U
LS-MH46N	2025-10-07	L46N251007M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-MH46N	2025-11-13	L46N251113M	0.1 U	1 U	0.1 U	0.1 U	0.1 U	0.1 GU
LS-MH46N	2025-12-10	L46N251210M	0.025 U	1 U	0.025 U	0.025 U	0.025 U	0.025 GU

Table H-6
Leachate – Pesticides, Herbicides, & PCBs

Well	Sample Date	Sample ID	Endrin	Heptachlor Epoxide	Heptachlor	Isodrin	Lindane (Gamma BHC)	Methoxy-chlor
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	0.1 GU	0.1 GU	0.1 GU	0.1 GU	0.1 U	0.5 GU
LS-LEPS	2025-11-12	LEPS251112M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-LEPS	2025-12-09	LEPS251209M	0.025 GU	0.025 GU	0.025 GU	0.025 U	0.025 GU	0.125 U
LS-V1A	2025-10-07	LV1A251007M	0.1 GU	0.1 GU	0.1 GU	0.1 GU	0.1 U	0.5 GU
LS-V1A	2025-11-13	LV1A251113M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-V1A	2025-12-10	LV1A251210M	0.025 GU	0.025 GU	0.025 GU	0.025 U	0.025 GU	0.125 U
LS-PS2A	2025-10-07	LP2A251007M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-PS2A	2025-11-13	LP2A251113M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-PS2A	2025-12-10	LP2A251210M	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.05 U
LS-MH46N	2025-10-07	L46N251007M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-MH46N	2025-11-13	L46N251113M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U
LS-MH46N	2025-12-10	L46N251210M	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.125 U

Well	Sample Date	Sample ID	Total Aroclors	Toxaphene	Trans-Chlordane
			µg/L	µg/L	µg/L
LS-LEPS	2025-10-07	LEPS251007M	0.125 U	5 U	0.1 U
LS-LEPS	2025-11-12	LEPS251112M	0.025 U	5 U	0.1 U
LS-LEPS	2025-12-09	LEPS251209M	0.025 U	1.25 U	0.1 DU
LS-V1A	2025-10-07	LV1A251007M	0.0454	5 U	0.1 U
LS-V1A	2025-11-13	LV1A251113M	0.025 U	5 U	0.1 U
LS-V1A	2025-12-10	LV1A251210M	0.0395	1.25 U	0.1 DU
LS-PS2A	2025-10-07	LP2A251007M	0.025 U	0.5 U	0.01 U
LS-PS2A	2025-11-13	LP2A251113M	0.025 U	0.5 U	0.01 U
LS-PS2A	2025-12-10	LP2A251210M	0.025 U	0.5 U	0.01 U
LS-MH46N	2025-10-07	L46N251007M	0.1617	5 U	0.1 U
LS-MH46N	2025-11-13	L46N251113M	0.103	5 U	0.1 U
LS-MH46N	2025-12-10	L46N251210M	0.1574	1.25 U	0.025 U

APPENDIX I

Top Deck Report

CEDAR HILLS REGIONAL LANDFILL
AREA 5 TOP DECK
MONITORING REPORT

Fourth Quarter 2025

King County

Department of Natural Resources and Parks
Solid Waste Division

April 2026

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AREA 5 TOP DECK MONITORING
QUARTERLY REPORT

FOUR QUARTER 2025

I. REPORT OVERVIEW

This report provides the quarterly performance analysis of the interim soil cover system over Area 5 in the Cedar Hills Regional Landfill (CHRLF). The intent of the report is to demonstrate that the top deck cover system is functioning to limit infiltration of rainwater, protect surface water quality, and control landfill gas emissions. Monitoring of surface emissions, leachate quantity, and stormwater quality is conducted, and results are presented in this report.

II. LEACHATE MONITORING

Leachate monitoring is performed to demonstrate that the landfill cover system is effectively limiting rainwater infiltration and therefore leachate production.

King County Solid Waste Division (KCSWD) is no longer able to monitor leachate volume solely from Area 5. KCSWD staff continues to evaluate leachate volumes collected throughout the landfill. Table 1 presents a historical account of leachate generation at the site since 1986. The evaluation accounts for variations in rainfall by normalizing the leachate flows in terms of gallons discharged per inch of rainfall. The flow has also been normalized relative to pounds of waste in-place. These normalized values for the entire site are also included in Table 1.

TABLE 1
CEDAR HILLS REGIONAL LANDFILL
LEACHATE PRODUCTION THROUGH 4th QUARTER OF 2025

Time	Leachate	Surface Area of Refuse	Refuse In Place	Precipitation	Flow			
(year)	(MG/yr)	(Acres)	(lbs)	(in/yr)	(gal/Acre/yr)	(gal/Acre/in)	(gal/lb/yr)	(gal/lb/in)
1986	163.03	138.5	11,328,841,100	54.79	1,177,112	21,484	0.0144	0.00026
1987	139.53	138.5	12,927,926,300	39.6	1,007,422	25,440	0.0108	0.00027
1988	169.67	161.9	14,525,504,000	48.63	1,048,009	21,551	0.0117	0.00024
1989	176	161.9	16,203,204,000	44.12	1,087,110	24,640	0.0109	0.00025
1990	294.75	161.9	17,965,254,000	71.6	1,820,594	25,427	0.0164	0.00023
1991	224.27	221.4	19,778,412,000	45.85	1,012,967	22,093	0.0113	0.00025
1992	156.46	221.4	21,454,600,000	38.64	706,694	18,289	0.0073	0.00019
1993	150.83	221.4	23,051,348,000	35.01	681,264	19,459	0.0065	0.00019
1994	159.8	221.4	24,657,528,000	38.55	721,764	18,723	0.0065	0.00017
1995	201.11	221.4	26,294,654,000	48.4	908,376	18,768	0.0076	0.00016
1996	243.03	221.4	27,946,704,000	57.08	1,097,714	19,231	0.0087	0.00015
1997	239.23	221.4	29,665,380,000	57.24	1,080,511	18,877	0.0081	0.00014
1998	202.8	221.4	31,432,828,000	42.82	916,006	21,392	0.0065	0.00015
1999	219.15	283.42	33,273,828,000	45.9	773,229	16,848	0.0066	0.00014
2000	148.82	283.42	35,167,828,000	33.15	525,102	15,840	0.0042	0.00013
2001	174.08	283.42	37,041,828,000	47.28	614,194	12,991	0.0047	0.0001
2002	133.4	283.42	38,919,828,000	35.13	470,690	13,399	0.0034	0.0001
2003	181.6	283.42	40,877,828,000	46.39	640,761	13,812	0.0044	0.0001
2004	185.72	328.72	42,889,828,000	34.08	564,983	16,578	0.0043	0.00013
2005	175.31	328.72	44,867,538,000	40.75	533,313	13,087	0.0039	0.0001
2006	264.95	328.72	46,820,938,000	52.94	806,009	15,225	0.0057	0.00011
2007	161.48	328.72	47,129,756,000	38.68	491,239	16,143	0.0034	0.000112
2008	126.02	328.72	48,990,990,000	42.32	383,366	9,059	0.0026	0.00006
2009	172.16	328.72	49,414,219,997	42.42	523,741	12,347	0.0035	0.00008
2010	199.4	335.72	51,076,043,997	49.25	593,959	12,060	0.0039	0.00008
2011	180.2	353.12*	52,701,411,694	51.05	510,308	9,996	0.0034	0.00007
2012	202.3	353.12*	54,315,239,773	58.16	572,972	9,852	0.0037	0.00006
2013	156.4	353.12*	55,933,569,773	47.77	442,923	9,272	0.0028	0.00006
2014	189.14	353.12*	57,638,062,970	64.07	535,631	8,360	0.0033	0.00005
2015	176.26	353.12*	59,401,111,988	51.39	499,159	9,713	0.0030	0.00006
2016	180.32	353.12*	61,277,452,914	51.43	510,659	9,929	0.0029	0.00006
2017	218.18	353.12*	63,183,738,844	57.54	617,853	10,738	0.0035	0.00006
2018	175.71	353.12*	64,999,044,304	33.83	497,597	14,709	0.0027	0.00008
2019	165.27	353.12*	66,781,588,304	45.71	468,018	10,239	0.0025	0.00005
2020	185.95	353.12*	68,272,638,304	51.63	526,603	10,200	0.0027	0.00005
2021	174.29	353.12*	70,076,050,304	48.30	493,572	10,903	0.0027	0.00006
2022	138.85	353.12*	71,806,362,304	47.63	393,202	10,363	0.0025	0.00005
2023	123.09	353.12*	73,476,828,304	40.69	348,565	8,566	0.0017	0.00004
2024	122.47	353.12*	74,744,592,304	41.60	299,026	8,337	0.0016	0.00004
2025	145.75	353.12*	76,411,968,304	47.25	412,750	8,735	0.0019	0.00004

* The 353.12 acre value was a plan view area calculated by AUTOCAD, using the area inquiry feature of a closed polyline.

III. SURFACE MONITORING

KCSWD's plan for monitoring the surface of the Area 5 Top Deck is comprised of three (3) components:

1. Landfill gas inspections and surface emissions monitoring.
2. Top Deck surface inspections; and,
3. Settlement monitoring.

The purpose of this monitoring is to detect any conditions affecting the cover system that may permit landfill gas emissions, leachate seeps, or excessive or differential settlement.

Each quarter, monthly Landfill Facility Site Inspections and preventative maintenance are carried out by KCSWD staff. All inspection reports and a summary of maintenance work performed can be viewed in Attachment I-1

Landfill Gas Inspections

Throughout the fourth quarter of 2025, KCSWD staff performed monthly inspections of the gas system, stormwater system, and cover system of Area 5. During the fourth quarter, erosion control measures continued to be maintained to mitigate runoff effects at the landfill.

Air Quality Criteria

Each quarter, surface emission monitoring is conducted across the Area 5 Top Deck and its side slopes to verify that methane gas emissions are below regulatory criteria. The fourth quarter of 2025 surface emission monitoring was conducted in October, November, and December of 2025. The results from the surface emission monitoring this quarter can be found in Attachment I-2

Top Deck Surface Inspections

Visual inspections for indications of leachate seeps are conducted each quarter by KCSWD personnel in conjunction with the surface emissions monitoring and monthly inspections. No indications of leachate seeps were recorded by KCSWD staff on the Area 5 interim cover system during the fourth quarter of 2025. Inspections conducted by Public Health noted downed trees to the east of CHRLF as well as odors along the west perimeter road near Area 8. These issues were addressed by SWD Operations.

Settlement Monitoring

Settlement of Area 5 is evaluated both through visual inspections and through topographic surveys at control points on the top deck. Due to the work for the closure of Area 7 and the opening of Area 8, all previously surveyed control points in Area 5 were covered. Monitoring location PMX2015 was added in 2015 as a replacement for PMX20074. Other alternate locations are currently being evaluated as survey control points in order to continue settlement monitoring within Area 5. Monitoring locations can be viewed in Figure I-1.

The most recent settlement levels for Area 5 were measured on December 18, 2025. The survey data is given in Table 2, and the settlement at each point is given in Table 3. Although settlement is still proceeding, progression is at a very low rate with no indication that any differential settlement is occurring, nor is there any concern with the interim cover system integrity.

TABLE 2
CEDAR HILLS REGIONAL LANDFILL
AREA 5 SURFACE SURVEY DATA THROUGH 4th QUARTER 2025

A5SM-1 [a]		A5SM-2		A5SM-3 [b]		PMX20074 [c]		PMX2015 [d]	
Date	**Elevation**	**Date**	**Elevation**	**Date**	**Elevation**	**Date**	**Elevation**	**Date**	**Elevation**
10/4/05	699.18	10/4/05	785.17	--	--	--	--	--	--
2/1/06	697.7	2/1/06	782.52	--	--	--	--	--	--
6/27/06	696.51	6/27/06	780.48	--	--	--	--	--	--
2/14/07	694.53	--	--	2/14/07	786.4	--	--	--	--
--	--	4/20/07	776.95	4/20/07	786.25	--	--	--	--
7/24/07	693.34	7/24/07	775.63	7/24/07	785.68	8/16/07	781.56	--	--
2/29/08	691.77	2/29/08	773.44	2/29/08	784.87	2/29/08	780.1	--	--
7/29/08	691.26	7/29/08	772.2	7/29/08	784.31	7/29/08	779.13	--	--
11/24/08	690.61	11/24/08	771.29	11/24/08	783.76	11/24/08	778.21	--	--
4/6/09	690.16	4/6/09	770.35	4/6/09	783.35	4/6/09	777.41	--	--
7/9/09	689.77	7/9/09	769.79	7/9/09	783.05	7/9/09	776.99	--	--
12/22/09	689.13	12/22/09	768.6	12/22/09	782.44	12/22/09	776.1	--	--
3/1/10	688.77	3/1/10	768.05	3/1/10	782.08	3/1/10	775.81	--	--
8/2/10	688.6	8/2/10	767.28	8/2/10	781.78	8/2/10	775.29	--	--
12/21/10	688.1	12/21/10	766.53	12/21/10	781.25	12/21/10	774.79	--	--
4/6/11	687.83	4/6/11	765.86	4/6/11	780.94	4/6/11	774.42	--	--
8/8/11	687.46	8/8/11	765.34	8/8/11	780.66	8/8/11	774.19	--	--
1/23/12	687.19	1/23/12	764.53	1/23/12	780.26	1/23/12	773.79	--	--
5/18/12	686.78	5/18/12	763.99	5/18/12	779.9	5/18/12	773.41	--	--
7/12/12	686.69	7/12/12	763.83	7/12/12	779.69	7/12/12	773.26	--	--
11/2/12	686.55	11/6/12	763.35	11/2/12	779.56	--	--	--	--
5/22/13	686.09	5/22/13	762.77	5/22/13	779.09	--	--	--	--
--	--	8/8/13	762.53	9/5/13	779.66	--	--	--	--
--	--	2/19/14	762.06	2/19/14	777.68	--	--	--	--
--	--	2/9/15	761.09	2/9/15	777.63	--	--	--	--
--	--	4/6/15	761.11	4/6/15	777.51	--	--	4/6/15	770.48
--	--	7/2/15	760.96	7/2/15	777.38	--	--	7/2/15	770.31
--	--	10/27/15	760.62	10/27/15	777.12	--	--	10/27/15	770.1
--	--	2/3/16	760.35	2/3/16	776.83	--	--	2/3/16	769.87
--	--	4/12/16	760.35	4/12/16	776.87	--	--	4/12/16	769.86
--	--	7/11/16	760.15	7/11/16	776.68	--	--	7/11/16	769.76
--	--	12/21/16	759.85	12/21/16	776.43	--	--	12/21/16	769.57
--	--	5/31/17	759.56	5/31/17	776.23	--	--	5/31/17	769.27
--	--	8/28/17	759.38	--	--	--	--	8/28/17	769.16
--	--	11/27/17	759.28	--	--	--	--	11/27/17	769
--	--	2/15/18	759.10	--	--	--	--	2/15/18	768.96
--	--	9/4/18	758.61	--	--	--	--	9/4/18	768.6
		12/15/18	758.55					12/15/18	768.6
--	--	2/10/19	758.44	--	--	--	--	2/10/19	768.54
--	--	10/31/19	757.94	--	--	--	--	10/31/19	768.17
--	--	3/3/20	757.71	--	--	--	--	3/3/20	767.98
--	--	5/28/20	757.63	--	--	--	--	5/28/20	767.91
--	--	8/12/20	757.49	--	--	--	--	8/12/20	767.83
--	--	11/19/20	757.36	--	--	--	--	11/19/20	767.67
		2/22/21	757.47					2/22/21	767.75
--	--	12/20/21	757.09	--	--	--	--	12/20/21	767.41
--	--	5/5/22	756.96	--	--	--	--	5/5/22	767.32
--	--	7/7/22	756.90	--	--	--	--	7/7/22	767.24
--	--	12/7/22	756.69	--	--	--	--	12/7/22	767.07
--	--	3/14/23	756.61	--	--	--	--	3/14/23	766.94
--	--	6/29/23	756.53	--	--	--	--	6/29/23	766.78
--	--	9/22/23	756.43	--	--	--	--	9/22/23	766.82
--	--	2/2/24	756.24	--	--	--	--	2/2/24	766.6
--	--	5/6/24	756.19	--	--	--	--	5/6/24	766.5
--	--	7/22/24	756.15	--	--	--	--	7/22/24	766.45
--	--	8/12/24	756.16	--	--	--	--	8/12/24	766.45
--	--	11/20/24	756.06	--	--	--	--	11/20/24	766.39
--	--	1/23/25	755.94	--	--	--	--	1/23/25	766.26
--	--	4/21/25	755.89	--	--	--	--	4/21/25	766.16
--	--	7/30/25	755.68	--	--	--	--	7/30/25	765.89
--	--	12/18/25	755.58	--	--	--	--	12/18/25	765.77

[a] A5SM-1 was destroyed by filling Area 7 during Lift 4.
[b] A5SM-3 NEW as of 2/14/2007. Destroyed by Area 8 excavation stockpile in 08/2017.
[c] PMX20074 was destroyed during Phase 3 of Area 6.
[d] PMX2015 NEW 04/06/2015; same location as PMX20074

TABLE 3

CEDAR HILLS REGIONAL LANDFILL

AREA 5 SETTLEMENT THROUGH 4th QUARTER 2025

Settlement Monitoring Locations	Units	SETTLEMENT DATE RANGE (MM/YYYY)																	
		6/06 - 7/07	7/07 - 7/08	7/08 - 7/09	7/09 - 8/10	8/10 - 8/11	8/11 - 7/12	7/12 - 5/13	5/13 - 2/14	2/14 - 2/15	2/15 - 2/16	2/16 - 5/17	5/17 - 2/18	2/18 - 2/19	2/19 - 3/20	5/20 - 12/21	12/21 - 3/23	3/23 - 5/24	5/24 - 12/25
[a] A5SM-1	Feet	3.17	2.08	1.49	1.17	1.14	0.77	0.60	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
A5SM-2	Feet	4.85	3.43	2.41	2.51	1.94	1.51	1.06	0.71	0.97	0.74	0.79	0.46	0.66	0.73	0.54	0.48	0.42	0.61
[b] A5SM-3	Feet	N/A	1.37	1.26	1.27	1.12	0.97	0.60	1.41	0.05	0.8	0.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[c] PMX20074	Feet	N/A	2.43	2.14	1.7	1.1	0.93	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
[d] PMX2015	Feet	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.6	0.31	0.42	0.56	0.5	0.47	0.44	0.73
Average Settlement for Area 5	Feet/Date Range	4.01	2.33	1.83	1.66	1.33	1.05	0.75	1.06	0.51	0.77	0.66	0.38	0.54	0.64	0.52	0.47	0.43	0.67
	Feet/Month	0.33	0.19	0.17	0.14	0.11	0.10	0.08	0.13	0.05	0.07	0.04	0.05	0.05	0.05	0.03	0.03	0.03	0.04

[a] A5SM-1 was destroyed by filling Area 7 during Lift 4.

b A5SM-3 NEW as of 2/14/07. Destroyed by Area 8 excavation stockpile in 08/17.

[c] PMX20074 was destroyed during Phase 3 of Area 6.

d PMX2015 NEW 04/06/15; it's the same location as PMX20074

IV. STORMWATER SAMPLING

Collection of Samples

A sample was collected from Area 5 Top Deck stormwater monitoring station SW-TD1 on October 1, 2025. Attempts were made to sample monitoring station SW-TD2, but during these attempts no flow was present and therefore no sample was taken (NST). Figure I-2 shows the Area 5 Top Deck stormwater monitoring station locations.

Fourth Quarter 2025 comparison stormwater samples were not taken, as monthly monitoring of surface water sites was discontinued as of January 1st, 2016 per the new Sampling & Analysis Plan (SAP) for the CHRLF. To address this lack of comparative data, the decision was made that the most recent full-year (2015) data available from surface water site SW-S1 would be averaged and used as the comparison basis.

SW-TD1 and SW-TD2 samples are collected and analyzed in accordance with the Area 5 Top Deck Stormwater Runoff Monitoring Plan.

Stormwater Sample Evaluation

Stormwater runoff monitoring locations, field measurements, and laboratory analyses evaluated in this report are intended to assess whether the stormwater runoff from the top deck has been contaminated by the underlying waste. Stormwater samples are collected either during or following significant storm events from four locations on or near the top deck of Area 5. These data are compared to surface water data collected from a location upstream of waste placement activities (monitoring location SW-S1 2015 averaged data).

Stormwater quality is also compared to the leachate quality as collected from the inflow into the aeration ponds (LV1A; formerly LAPI).

The analytes for the top deck stormwater runoff are iron, sulfate, chemical oxygen demand, total organic carbon, alkalinity, and chloride. The stormwater quality results are screened against existing surface water quality criteria (WAC 173-201A) and Benchmarks for the Washington State Industrial Stormwater General Permit. Applicable criteria/benchmarks are listed in Table 4.

TABLE 4

Water Quality Criteria/Benchmarks For Applicable Parameters

Parameter	Numerical Criterion	Source
pH	6.5 to 8.5	WAC 173-201A-200
	5 to 9	Industrial Stormwater General Permit
Turbidity	Less than 10 NTU above background if background turbidity is 50 NTU or less, or a 10% increase in turbidity when the background is > 50 NTU.	WAC 173-201A-200
	25 NTU	Industrial Stormwater General Permit
Temperature	20°C	WAC 173-201A-200
Iron	1.0 mg/L	EPA 440/5-86-001 Quality Criteria for Water 1986

A. RESULTS DISCUSSION

Field measurements and analytical results from the Area 5 Top Deck sampling during fourth quarter 2025 are summarized in Table 5. Comparison monitoring results from 2015 stormwater samples collected at location SW-S1 are averaged and presented in Table 6. Leachate results are presented in Table 7.

The following is a parameter-by-parameter of the top deck monitoring results. For each parameter, its importance in evaluating surface water, comparison to water quality criteria/benchmarks (Table 4) and to other onsite surface water (SW-S1), and comparison to representative leachate (LS-V1A) is discussed.

- **pH (Field)** result(s) for Area 5 Top Deck sample(s) were within the designated limits per the applicable water quality criteria, and were comparable to historic SW-S1 values. The benchmark range for pH is 6.5 to 8.5 standard pH Units.
- **Specific Conductance (Field)** result(s) for Area 5 Top Deck sample(s) were significantly lower than historic SW-S1 values, potentially due to dilution from recent rainfall. Based on specific conductance results of recent samples at SW-TD1, this low value is likely the result of measurement error in the field. There are no benchmarks or criteria for specific conductance.
- **Temperature (Field)** result(s) for Area 5 Top Deck sample(s) were below the designated limit per the applicable water quality criteria, and were comparable to historic SW-S1 values. Temperature criteria are established for the protection of aquatic life and vary between bodies of water based on use categories designated, per WAC 173-201A-200.
- **Turbidity (Field)** measurement(s) for Area 5 Top Deck sample(s) were above the designated water quality criteria, and higher than historic SW-S1 values. Turbidity criteria are established for the protection of aquatic life and vary between bodies of water based on use categories designated, per WAC 173-201A-200. The Industrial Stormwater General Permit (ISGP) benchmark for turbidity is 25 NTU.
- **Chemical Oxygen Demand** result(s) for Area 5 Top Deck sample(s) were higher than historic SW-S1 values, but were orders of magnitude lower than leachate values at LS-V1A. There are no benchmarks or criteria for COD.
- **Total Organic Carbon** result(s) for Area 5 Top Deck sample(s) were slightly higher than historic SW-S1 values, but were orders of magnitude lower than leachate values at LS-V1A. There are no benchmarks or criteria for TOC.
- **Total Alkalinity** result(s) for Area 5 Top Deck sample(s) were slightly higher than historic SW-S1 values, but were still within the typical range for surface water. There are no benchmarks or criteria for alkalinity.
- **Chloride** result(s) for Area 5 Top Deck sample(s) were lower than historic SW-S1 values. There are no benchmarks or criteria for chloride.
- **Sulfate** result(s) for the Area 5 Top Deck sample(s) were higher than historical SW-S1 values, but lower than results from leachate samples at LS-V1A. There are no benchmarks or criteria for sulfate.
- **Total iron** result(s) from Area 5 Top Deck sample(s) were higher than historical SW-S1 values, but lower than values for leachate samples collected at LS-V1A. The result was higher than the benchmark value for total iron.

B. RESULTS COMPARISON

The Top Deck stormwater runoff results for fourth quarter of 2025 were higher than background for some parameters, when compared to historical surface water samples collected from location SW-S1. Alkalinity, chemical oxygen demand, total organic carbon, total sulfate, and total iron (at SW-TD1) appeared to be slightly elevated. Results for turbidity and total iron exceeded the benchmark values for surface water quality. Results for specific conductance were lower than historic SW-S1 values but could be the result of field measurement error since they are significantly lower than recent samples collected at SW-TD1.

It is possible that the elevated results are due to erosion of stockpiled soils on top of Area 5. High turbidity and total iron results with relatively low chloride and alkalinity would support this. Upon comparison with surface water and leachate samples, overall, the runoff from the Top Deck much more closely resembles surface water than leachate.

Also considered during evaluation is the possible impact of landfill gas on water quality. Elevated alkalinity (i.e. over 150 mg/L) can indicate a landfill gas contribution to the sample (due to the dissolution of carbon dioxide in water). However, the fourth quarter sample from SW-TD1 did not have an excessively high alkalinity result, and the serpentine monitoring for LFG emissions did not show any detections in this area. Generally, analysis of the data indicates that landfill gas and leachate are not contributing to increases in surface water parameters; however, continued exposed soil runoff may be marginally impacting surface water quality.

TABLE 5
Area 5 Top Deck - 4Q2025 Stormwater Monitoring Results

Location	Date	Sample ID	Specific Conductance	pH units	Temp	Turbidity	Alkalinity	Chemical Oxygen Demand	Chloride	Dissolved Iron	Total Iron	Sulfate	Total Organic Carbon
			µmhos/cm	pH units	deg °C	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-TD1	10/1/2025	STD1251001-	13.341	6.74	13.339	76.7	26	45.7	1.55	0.0493	2.12	12.5	15
SW-TD2	No flow; no sample taken (NST)	--	--	--	--	--	--	--	--	--	--	--	--
SW-TD4	Destroyed during construction; NST	--	--	--	--	--	--	--	--	--	--	--	--
SW-TD6	Destroyed during construction; NST	--	--	--	--	--	--	--	--	--	--	--	--
		Average Value =	13.3	6.74	13.339	76.70	26.0	15.0	1.550	0.0493	2.120	12.50	15.00

U = UNDETECTED, ANALYTE CONCENTRSTION <MDL; T = ANALYTE CONCENTRATION >MDL & <RDL

TABLE 6
SW-S1 - 2015 Stormwater Comparison Monitoring Results

Location	Date	Sample ID	Specific Conductance (Field)	pH units (Field)	Temp (Field)	Turbidity (Field)	Alkalinity	Chemical Oxygen Demand	Chloride	Dissolved Iron	Total Iron	Sulfate	Total Organic Carbon
			µmhos/cm	pH units	deg °C	NTU	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SW-S1	1/20/2015	SS1-150120Q	55	7.32	6.7	1.07	11.3	5	2.28	0.012	0.02	2.15	3.27
SW-S1	2/23/2015	SS1-150223M	52	7.31	5.4	0.6	13.4	6.1	2.32	0.01	0.023	2.24	2.2
SW-S1	3/16/2015	SS1-150316M	49	7.13	8.8	2.14	11.9	8.4	1.7	0.027	0.05	1.86	3
SW-S1	4/22/2015	SS1-150422Q	49	6.83	9.4	3.16	17.5	5.7	2.18	0.014	0.029	1.85	2.78
SW-S1	5/19/2015	SS1-150519M	53	6.71	12.4	2.08	19.7	5.5	2.2	0.036	0.0582	0.919	3.34
SW-S1	11/18/2015	SS1-151118Q	65	6.44	8.1	0.42	8.11	9.2	2.69	0.014	0.018	3.32	4.47
SW-S1	12/14/2015	SS1-151214M	53	6.47	7	0.58	7.44	8.6	2.6	0.012	0.017	2.43	3.74
		Average Value =	54	6.89	8.3	1.4	12.8	6.9	2.3	0.018	0.03	2.1	3.3

U = UNDETECTED, ANALYTE CONCENTRATION <MDL

TABLE 7
Leachate Aeration Pond Inflow - 4Q2025 Monitoring Results

Location	Date	Sample ID	Specific Conductance (Field)	pH units (Field)	Temp (Field)	Turbidity (Field)	Alkalinity	Chemical Oxygen Demand	Chloride	Dissolved Iron	Total Iron	Sulfate	Total Organic Carbon
			µmhos/cm	pH units	deg °C	NTU	mg/L	mg/L	mg/L	ug/L	ug/L	mg/L	mg/L
LS-V1A	10/7/2025	LV1A251007M	21881	8.29	18.6	N/A	10300	10500 S	2330	3.52	5.89	71.5	3960 S
LS-V1A	11/13/2025	LV1A251113M	6317	8.11	16	N/A	2590	3430	590	7.95	10.2 D	47.4	1100
LS-V1A	12/10/2025	LV1A251210M	3926	7.88	14.8	N/A	1560	1110	307	6.34	11.3	32	294
		Average Value =	10708	8.09	16.5	N/A	4817	5013	1076	6	9	50.3	1785

U = UNDETECTED, ANALYTE CONCENTRSTION <MDL; T = ANALYTE CONCENTRATION >MDL & <RDL

V. CONCLUSION

A stormwater sample for the Area 5 Top Deck was collected at monitoring location SW-TD1 during the fourth quarter of 2025. Attempts were made to collect a sample from monitoring location SW-TD2, but no flow was present, and therefore no sample was collected. Field and analytical results from the fourth quarter sample exceeded their applicable water quality criteria (Table 4) for turbidity and total iron. When the overall results were compared to 2015 averaged surface water sampling data at SW-S1 (Table 6), and leachate effluent samples from LS-V1A (Table 7), the Top Deck stormwater runoff exhibited slightly higher than average values versus historical surface water samples for most parameters in the fourth quarter of 2025.

Figure I-2 shows the Area 5 Top Deck stormwater monitoring station locations of the Area 5.

The inspection reports for the fourth quarter of 2025 showed no issues with the cover system for Area 5 and no indication of LFG presence.

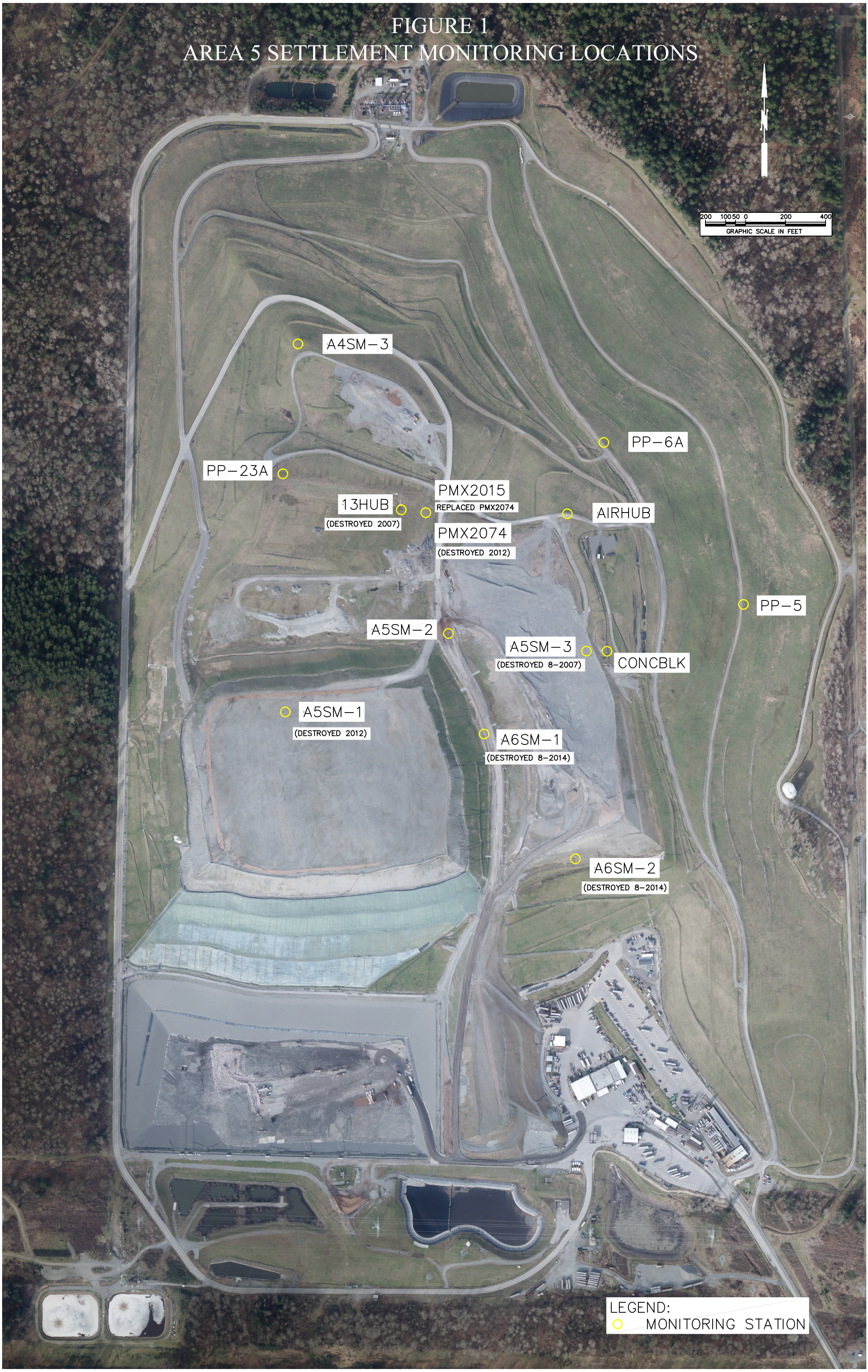
The most recent settlement levels for Area 5 were measured on December 18, 2025 and do not indicate any differential settlement. The survey data is given in Table 2, and the settlement at each point is given in Table 3.

The recent compliant historical performance trend for Area 5, coupled with ongoing inspection results verifying the integrity of the cover all provides evidence that the Area 5 Top Deck Interim Cover System continues to function to prevent interaction between refuse and storm water runoff.

Cedar Hills Regional Landfill
Area 5 Top Deck Report

FIGURES

FIGURE 1
AREA 5 SETTLEMENT MONITORING LOCATIONS



N

W — E

100 0 100 200

SCALE IN FEET

AREA 5 TOP DECK STORMWATER MONITORING STATION

STATION NUMBER	STATION DESCRIPTION
SW–A5TD1	NORTHEAST PORTION OF AREA 5 TOP DECK WHERE RUNOFF FROM THE TOP DECK EXITS AN 18–INCH CULVERT. SAMPLING TO BE PERFORMED AT THE OUTLET OF THE CULVERT.
SW–A5TD2	NORTH SLOPE OF AREA 5 WHERE RUNOFF, FROM THE NORTH SLOPE FLOWING IN A ROADSIDE DITCH, DRAINS INTO A 12–INCH CULVERT. SAMPLING TO BE PERFORMED AT THE OUTLET OF THE CULVERT.
SW–A5TD3*	WEST OF THE AREA 5 TOP DECK, WITHIN THE SCRAPER ROAD 5 ROADSIDE DITCH AT THE OUTLET END OF A TEMPORARY 12–INCH PIPE. THE TEMPORARY 12–INCH PIPE IS IN PLACE, BECAUSE THE WEST SIDESLOPE GEOMEMBRANE DOES NOT CURRENTLY HAVE COVER SOIL. ONCE THE COVER SOIL IS IN PLACE, THE PIPE WILL BE REMOVED AND THE SAMPLE LOCATION WILL NO LONGER BE SAMPLED.
SW–A5TD4	CENTER OF THE WEST PORTION OF AREA 5 TOP DECK WHERE RUNOFF FROM THE TOP DECK DRAINS INTO THE "VALLEY" RUNNING EAST TO WEST. SAMPLING TO BE PERFORMED AT THE INLET OF THE "VALLEY" DITCH.
SW–A5TD5*	THE OUTLET END OF A TEMPORARY 12–INCH HDPE PIPE THAT CONVEYS RUNOFF FROM THE SOUTHWEST CORNER OF THE AREA 5 TOP DECK. THE TEMPORARY 12–INCH PIPE IS IN PLACE, BECAUSE THE SOUTH SIDESLOPE GEOMEMBRANE DOES NOT CURRENTLY HAVE COVER SOIL. ONCE THE COVER SOIL IS IN PLACE, THE PIPE WILL BE REMOVED AND THE SAMPLE LOCATION WILL NO LONGER BE SAMPLED, BECAUSE FLOW IN THE ROADSIDE DITCH AT THIS LOCATION WILL NO LONGER CONTAIN RUNOFF FROM THE AREA 5 TOP DECK.
SW–A5TD6	WEST OF THE AREA 5 TOP DECK, WITHIN THE SCRAPER ROAD 5 ROADSIDE DITCH. THIS SAMPLE POINT RECEIVES TOP DECK FLOW FROM TWO SIDESLOPE DITCHES THAT INTERSECT AT THE SAMPLE LOCATION.

*STATIONS SW–A5TD3 AND SW–A5TD5 WERE TEMPORARY STORMWATER MONITORING STATIONS THAT CEASED TO EXIST AS OF JULY 16, 2007.

LEGEND:

STORMWATER MONITORING STATION

P:\ACAD\PROJECT\King County\Area Expansion Proposal\CARLA WORK\Figure 1.dwg Aug 01, 2007 - 3:18pm

Figure 1

Area 5 Top Deck Stormwater Monitoring Stations

Cedar Hills Regional Landfill
Area 5 Stage 4 Final Closure
King County, Washington

Cedar Hills Regional Landfill
Area 5 Top Deck Report

ATTACHMENT I-1

Inspection Reports

CHRLF Monthly Facility Inspections
PHSKC Solid Waste Inspections
CHRLF Monthly ISGP Inspections
Area 5 Maintenance Qtly Report
SWPPP Maintenance Qtly Report

Docusign Envelope ID: 7F159BF9-7EBE-4AE0-9A4C-BA3C0956B8F7

SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Samantha Peveto + Subrina Tahsin Date: 9/16/2025

Location: Cedar Hills Ambient Temperature: (80 ºF) Weather Condition: Sunny

ACTION CODES

A. Gas System	Good	Fair	Poor	C. Landfill Operations	Good	Fair	Poor	E. Roadway System	Good	Fair	Poor
1. Pipe Penetrations	x			**1.** Fueling Stations	x			**1.** Road Sweeping	x		
2. Collection Piping	x			**2.** Vehicle Wash Stations	x			**2.** Access Roads	x		
3. Extraction Wells	x			**3.** Equipment	x			**3.** Road Erosion	x		
4. Monitoring Probes	x			**4.** Boundary Fences	x			**4.** Road Pavement	x		
5. Valve Stations	x			**5.** Vegetation	x			**5.** Lane Striping	x		
6. North Flare Station	x			**6.** Landfill Cover	x						
7. Low-BTU Flare		x*		**7.** Drain Rock	x						
8. Noise Control	x			**8.** Air Quality	x			**F. Other Items**			
9. Air Compressors	x			**9.** Stockpiles	x						
				10. Vectors	x						
B. Leachate System				**11.** Litter	x						
1. Pump Station 1		x**		**12.** Dust Control	x						
2. Pump Station 2	x			**13.** Other							
3. Pump Station 3		x**									
4. Pump Station 4	x			**D. Stormwater System**							
5. Lagoon Facilities		x**		**1.** CSW Pond	x						
6. Lagoon Aerators		x**		**2.** North Siltation Pond		x***					
7. Collection System:				**3.** North SW Lagoon	x						
a. Collection Pipes	x			**4.** South SW Lagoon	x						
b. Force Mains	x			**5.** South Siltation Pond	x						
c. Manholes	x			**6.** Sand Filter		x***					
d. Cleanouts	x			**7.** CB/ Control Structures							
8. Generators	X (PS4)			**8.** Pipes/Culverts	x						
9. Extraction Wells	x			**9.** Trash Racks	x						
10. Valves/Cleanouts	x			**10.** Ditches		x***					
11. Groundwater	x			**11.** Best Management	x						
				12. Compliance Points	x						
				Other							

*Low-mmBTU HMI - has been out of service for an extended period. Tech-U is currently troubleshooting to determine repair needs.

**Pump Station 1 - Operating with only 1 of 3 pumps due to electrical malfunctions. CCRU is assisting Operations in gathering specifications for a replacement backup pump.
Pump Station 3 - Currently down one pump due to electrical issues. Evaluation and repair planning underway.
Lagoon Facilities - Isolation valve requires repair to restore full operational control.
Aerator is out of commission - replacement has been ordered and expected in early June 2025.

***North Siltation Pond - silt fence in pond needs replaced.
Sand Filter - vegetation removal needed in sand filter.
Ditches - Vegetation removal needed in asphalt ditches East of landfill (B5, C6, D6 on map).

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South Stormwater Siltation Lagoon



Contaminated Stormwater



SN1 - New welded lid for Access



Sand Filter -vegetation needs removed



Surface Water Ponding - West West Road.



SL3 -vegetation in bioswale



N4 Inlet Watch



N1 culvert inlet - cut vegetation around entrance



N1 culvert outlet



Steel Ditches around the hill need cleaning.



Open SW Ditch needs new covering for Safety



Surface Water Ponding - Top Deck

Docusign Envelope ID: 7F159BF9-7EBE-4AE0-9A4C-BA3C0956B8F7

AREA CODES (Cedar Hills):

Area 2/3 = A2/3	Area 7 = A7	East Main Hill = EMH	Southwest Main Hill = SWMH
Area 4 = A4	Area 8 = A8	Leachate Lagoon = LL	Stockpile = SP
Area 5 = A5	Central Pit = CP	North Flare Station = NFS	
Area 6 = A6	CSW Lagoon = CSW	Southeast Pit Area = SEPA	

State the needs of the repairs in the suggested remedy box.

1. *Emergency*
2. *Regulatory Priority*
3. *Safety Priority*
4. *Maintenance Priority*
    a. *Urgent*
    b. *Routine*
    c. *Deferred*

Overall site description day of site inspection:

Work in Progress:

Observations:
-The site is generally in good condition. Some ponding across top deck needs to be addressed.
-Contaminated Stormwater lagoon (CSW) and South Siltation Pond were recently receiving surface water - should plan on sediment removal for Summer 2026.
-Vegetation removal is needed in several of the asphalt-lined stormwater ditches; this appears to be in-progress, as some areas had signs of recent trimming/mowing. Vegetation removal is also needed around several surface water staff gages for improved access and visibility, as well as in the sand filter. Steel ditches on East Main Hill need vegetation removal.
-Welded lid access needed for SN1 and new covering for unnamed SW collection pipe on Area 6 South Slope.
-Leachate pump system is requiring some maintenance - working on getting specifications for pump replacement in Pump Station 1; Pump Station 3 having electrical issues.

Long Term Watch and Projects
-Slip-lining the N4 pipe for "new pipe replacement" - designs are complete, next steps pending RFP.
-Monitoring of N1 culvert erosion until permitting is completed and project can be executed; emergency repair work order going to executed to have expedited permit approval for repair for 2025/2026 wet season.

Potential Pollutant Sources Identified:
-No sources of potential stormwater pollution were identified during the inspection.

SWPPP Modifications Necessary? NO

Potential Pollutant Sources NO

If **Y**, *log changes in Appendix I of SWPPP*

Docusign Envelope ID: 7F159BF9-7EBE-4AE0-9A4C-BA3C0956B8F7

INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: 10/24/2025 SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

Based on professional judgment, which of the following statements is true: (select one)

☑ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

☐ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

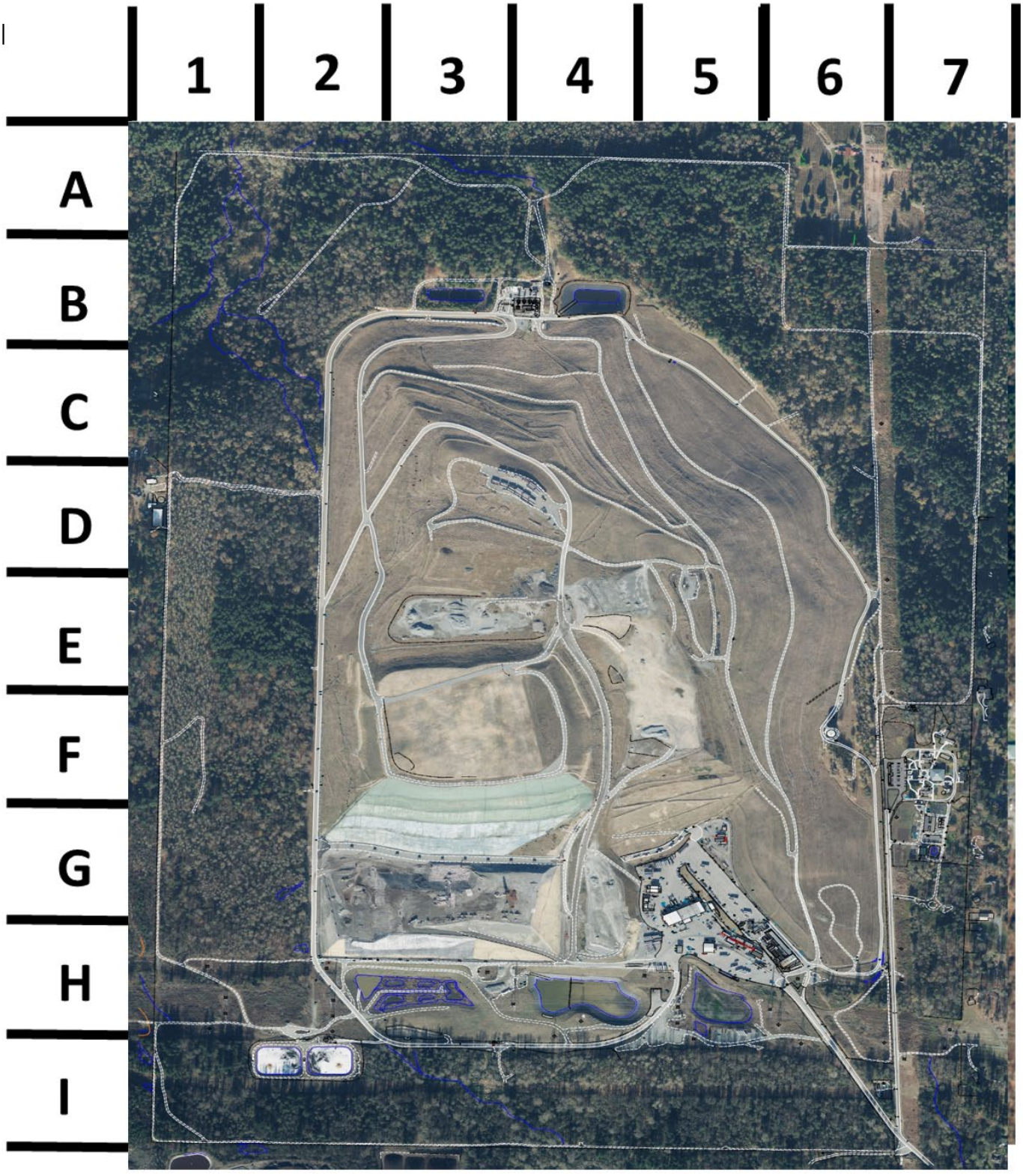
* Immediately notify Environmental Compliance Coordinator

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Printed name: Samantha Peveto

Signature: DocuSigned by: Samantha Peveto 2808F7B7EB4E4I9... Date: 10-24-2025

Docusign Envelope ID: 7F159BF9-7EBE-4AE0-9A4C-BA3C0956B8F7



SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Subrina Tahsin+Samantha Peveto+Andrew Jenkins Date: 12/19/2025

Location: Cedar Hills Ambient Temperature: (54 ºF) Weather Condition: Cloudy

ACTION CODES

A. Gas System	Good	Fair	Poor	C. Landfill Operations	Good	Fair	Poor	E. Roadway System	Good	Fair	Poor
1. Pipe Penetrations	x			**1.** Fueling Stations	x			**1.** Road Sweeping	x		
2. Collection Piping	x			**2.** Vehicle Wash Stations	x			**2.** Access Roads	x		
3. Extraction Wells	x			**3.** Equipment	x			**3.** Road Erosion	x		
4. Monitoring Probes	x			**4.** Boundary Fences	x			**4.** Road Pavement	x		
5. Valve Stations	x			**5.** Vegetation	x			**5.** Lane Striping	x		
6. North Flare Station	x			**6.** Landfill Cover	x						
7. Low-BTU Flare		x*		**7.** Drain Rock	x						
8. Noise Control	x			**8.** Air Quality	x			**F. Other Items**			
9. Air Compressors	x			**9.** Stockpiles	x						
				10. Vectors	x						
B. Leachate System				**11.** Litter	x						
1. Pump Station 1		x**		**12.** Dust Control	x						
2. Pump Station 2	x			**13.** Other	x						
3. Pump Station 3		x**									
4. Pump Station 4	x			**D. Stormwater System**							
5. Lagoon Facilities		x**		**1.** CSW Pond	x						
6. Lagoon Aerators		x**		**2.** North Siltation Pond		x***					
7. Collection System:				**3.** North SW Lagoon	x						
a. Collection Pipes	x			**4.** South SW Lagoon	x						
b. Force Mains	x			**5.** South Siltation Pond	x						
c. Manholes	x			**6.** Sand Filter		x***					
d. Cleanouts	x			**7.** CB/ Control Structures							
8. Generators	x (PS4)			**8.** Pipes/Culverts	x						
9. Extraction Wells	x			**9.** Trash Racks	x						
10. Valves/Cleanouts	x			**10.** Ditches		x***					
11. Groundwater	x			**11.** Best Management	x						
				12. Compliance Points	x						
				Other							

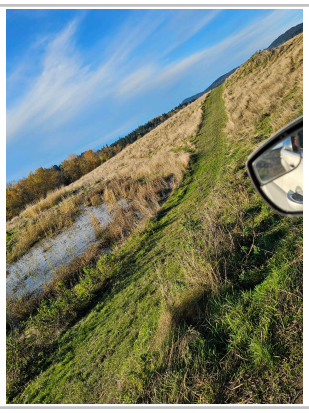
*Low-mmBTU HMI - has been out of service for an extended period. Tech-U is currently troubleshooting to determine repair needs.
**Pump Station 1 - Operating with only 1 of 3 pumps due to electrical malfunctions. CCRU is assisting Operations in gathering specifications for a replacement backup pump.
Pump Station 3 - Currently down one pump due to electrical issues. Evaluation and repair planning underway.
Lagoon Facilities - Isolation valve requires repair to restore full operational control.
Aerator is out of commission - replacement has been ordered and expected in early June 2025.
***North Siltation Pond - silt fence in pond needs replaced.
Sand Filter - vegetation removal needed in sand filter.
Ditches - Vegetation removal needed in asphalt ditches East of landfill (B5, C6, D6 on map).



Top Deck - Surface Water Ponding



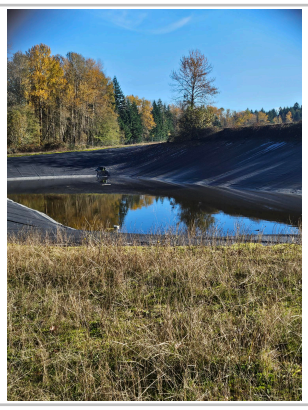
Surface water Ponding - south of RNG plant



Surface Water Ponding- near are



Surface water ponding - west perimeter road nea



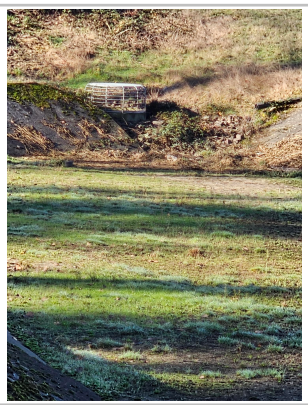
North Siltation Pond



North Siltation Pond



Fence - West perimeter road



ence - West perimeter road



South Stormwater Siltation lagoon



Sand Filter - vegetation needs removal



Water Structure needs lid - SE of the CSW



Contaminated Stormwater Pond (CSW)

AREA CODES (Cedar Hills):

Area 2/3 = A2/3	Area 7 = A7	East Main Hill = EMH	Southwest Main Hill = SWMH
Area 4 = A4	Area 8 = A8	Leachate Lagoon = LL	Stockpile = SP
Area 5 = A5	Central Pit = CP	North Flare Station = NFS	
Area 6 = A6	CSW Lagoon = CSW	Southeast Pit Area = SEPA	

State the needs of the repairs in the suggested remedy box.

1. *Emergency*
2. *Regulatory Priority*
3. *Safety Priority*
4. *Maintenance Priority*
    a. *Urgent*
    b. *Routine*
    c. *Deferred*

Overall site description day of site inspection:

Work in Progress:

General Site Condition:
Overall, the site is in good condition.
Action Needed:
i) Top deck ponding address: Area 5 and area 7 ponding needs soil to maintain natural ground level and maintain the current drainage pattern.
ii) The Contaminated Storm water (CSW) flow pipe located southwest of the pond requires a secure lid to enhance safety for users of the area and prevent accidental falls by wildlife.
iii) CSW lagoon and the South Siltation Pond receiving surface water runoff.
Action/Planning: Schedule sediment removal for both the CSW lagoon and the South Siltation Pond for Summer 2026.
iv) Vegetation Removal (Multiple Locations) look at the photo in the next page
- Vegetation control is required in several areas to ensure proper drainage, access, and function storm water ditches.
- Vegetation removal is needed in several asphalt-lined storm water ditches. This work appears to be in progress (signs of recent trimming were noted).
- Vegetation removal is necessary in the steel ditches located on the East Main Hill.
- Sand Filter: Vegetation must be removed from the sand filter media.
- Staff Gages: Clear vegetation from around several surface water staff gages to improve access and visibility for readings.

Long term plan:
- Temporary soil stabilization near N1.
- Permanent replacement of the N1 culvert at 2028.
Slip-lining N4 storm water pipe.

Potential Pollutant Sources Identified:
-No sources of potential stormwater pollution were identified during the inspection.

SWPPP Modifications Necessary? NO

Potential Pollutant Sources NO

If **Y**, *log changes in Appendix I of SWPPP*

INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: _____ SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

Based on professional judgment, which of the following statements is true: (select one)

☐ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

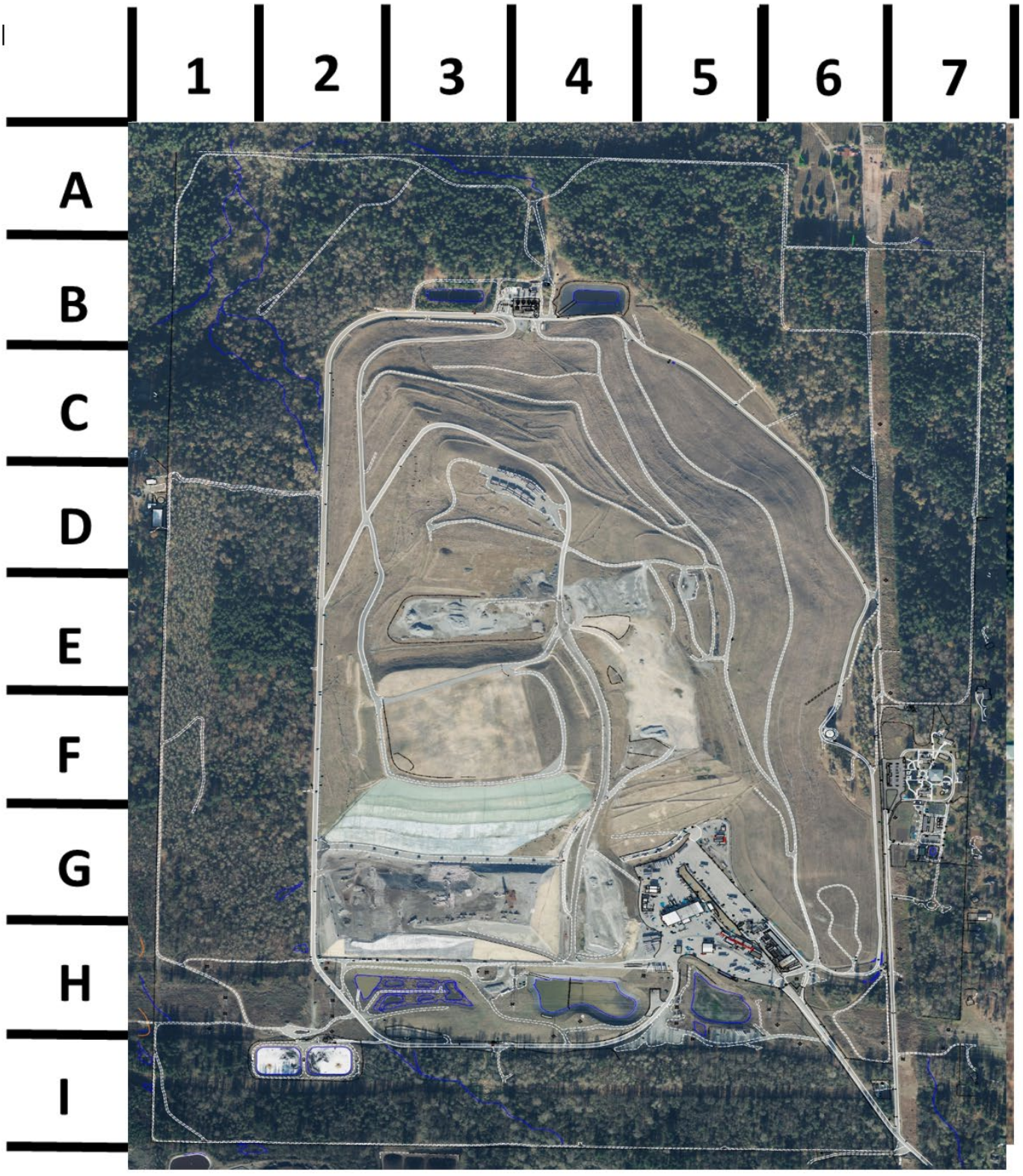
☐ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* Immediately notify Environmental Compliance Coordinator

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Printed name:

Signature: DocuSigned by: Subrina Tahsin EF99840290E4443... Date: 12/19/2025


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SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Permit Compliance

Inspected By: Subrina Tahsin+Samantha Peveto Date: 12/15/25; 12/17/25

Location: Cedar Hills Ambient Temperature: (45 ºF) Weather Condition: Rain

ACTION CODES

A. Gas System	Good	Fair	Poor	C. Landfill Operations	Good	Fair	Poor	E. Roadway System	Good	Fair	Poor
1. Pipe Penetrations	x			**1.** Fueling Stations	x			**1.** Road Sweeping	x		
2. Collection Piping	x			**2.** Vehicle Wash Stations	x			**2.** Access Roads	x		
3. Extraction Wells	x			**3.** Equipment	x			**3.** Road Erosion	x		
4. Monitoring Probes	x			**4.** Boundary Fences	x			**4.** Road Pavement	x		
5. Valve Stations	x			**5.** Vegetation	x			**5.** Lane Striping	x		
6. North Flare Station	x			**6.** Landfill Cover	x						
7. Low-BTU Flare		x*		**7.** Drain Rock	x						
8. Noise Control	x			**8.** Air Quality	x			**F. Other Items**			
9. Air Compressors	x			**9.** Stockpiles	x						
				10. Vectors	x						
B. Leachate System				**11.** Litter	x						
1. Pump Station 1		x**		**12.** Dust Control	x						
2. Pump Station 2	x			**13.** Other	x						
3. Pump Station 3		x**									
4. Pump Station 4	x			**D. Stormwater System**							
5. Lagoon Facilities		x**		**1.** CSW Pond	x						
6. Lagoon Aerators		x**		**2.** North Siltation Pond		x***					
7. Collection System:				**3.** North SW Lagoon	x						
a. Collection Pipes	x			**4.** South SW Lagoon	x						
b. Force Mains	x			**5.** South Siltation Pond	x						
c. Manholes	x			**6.** Sand Filter		x***					
d. Cleanouts	x			**7.** CB/ Control Structures							
8. Generators	x (PS4)			**8.** Pipes/Culverts	x						
9. Extraction Wells	x			**9.** Trash Racks	x						
10. Valves/Cleanouts	x			**10.** Ditches		x***					
11. Groundwater	x			**11.** Best Management	x						
				12. Compliance Points	x						
				Other							

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Stormwater ponding near area 6, Top deck area 5



Fence damaged



Overgrown vegetation near Stror



Overgrown vegetation in Storm-water asphalt line



N1 Culvert erosion continues



Overflow structure multiple cracks



Maintain erosion blankets BMP



Catch basin grate sink



Debris around overflow structure



Low spot in South perimeter road near QCF



Silt fence failing in the rock check dam



silt fence damage in the north siltation pond

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AREA CODES (Cedar Hills):

Area 2/3 = A2/3	Area 7 = A7	East Main Hill = EMH	Southwest Main Hill = SWMH
Area 4 = A4	Area 8 = A8	Leachate Lagoon = LL	Stockpile = CP
Area 5 = A5	Central Pit = CP	North Flare Station = NFS	
Area 6 = A6	CSW Lagoon = CSW	Southeast Pit Area = SEPA	

State the needs of the repairs in the suggested remedy box.

1. *Emergency*
2. *Regulatory Priority*
3. *Safety Priority*
4. *Maintenance Priority*
    a. *Urgent*
    b. *Routine*
    c. *Deferred*

Overall site description day of site inspection:

The site is in generally good condition. However, specific maintenance actions are required to ensure continued SWPPP compliance and structural integrity.

Action Needed:
1) Catch Basin: Significant settlement was observed at the catch basin grate in the CHRLF Support Facilities area near the southeast storm-water pond. The grate has sunk, creating a tripping hazard and potential for localized flooding. There is visible cracking and crumbling of the asphalt edges adjacent to the basin. Required action to take are: Remove existing asphalt and the grate; install new concrete adjustment rings to return the frame to proper grade; re-compact the stone base and pour a new concrete collar or asphalt patch to seal the unit. To control sediment, replace the existing sediment bag, which was compromised by the structural settlement, with a new yellow mono filament filter bag. Since this was an immediate safety concern, CHRLF Utility staff have placed high-visibility cones near the hazard.
2) Crack in Outfall Structure in the Sand Filter: Multiple cracks was observed at the outfall structure. At CHRLF, structural integrity is critical to preventing embankment failure; repair is necessary to ensure sediment-laden water does not bypass the road from the pond or enter the local watershed.
3) Storm water ditches (asphalt-lined ditches and metal ditches): Clear overgrown vegetation within the drainage ditches. Maintain vegetation height under 6 inches to prevent flow blockages and sediment accumulation, ensuring unobstructed runoff.
4) Slope Stabilization (Fiber Rolls/Blankets): Maintain and re-stake fiber rolls and erosion control blankets. Remove accumulated sediment behind these barriers to prevent runoff bypass and slope erosion.
5) Stormwater Pond Wet Cells: Observed shrub type vegetation growth within the stormwater pond wet cells. Suggested recommendation by WRLD was to perform pruning in May (Spring) to clear access paths and maintain sight lines for inspectors. Compliance Note: The annual inspection confirmed no tree growth within 15 feet of concrete spillways or pipes.
6) Outfall Structure (Sand Filter): A crack was observed at the outfall structure. At CHRLF, structural integrity is critical to preventing embankment failure; repair is necessary to ensure sediment-laden water does not bypass the pond or enter the local watershed.6) General Vegetation Management: Trim overgrown vegetation on both the asphalt-lined and metal ditches to maintain hydraulic capacity.

Long term plan:
- Culvert embankment stabilization near N1.
- Permanent replacement of the N1 culvert by 2028.
- Slip-lining N4 storm water pipe.

Potential Pollutant Sources Identified:
-No sources of potential stormwater pollution were identified during the inspection.

SWPPP Modifications Necessary? NO

Potential Pollutant Sources NO

If **Y**, *log changes in Appendix I of SWPPP*

Docusign Envelope ID: 4450A330-CF75-445B-A832-DFFBEA506262

INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: 12/15/2025; 12/17/2025 SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

Based on professional judgment, which of the following statements is true: (select one)

[x] *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

[ ] *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

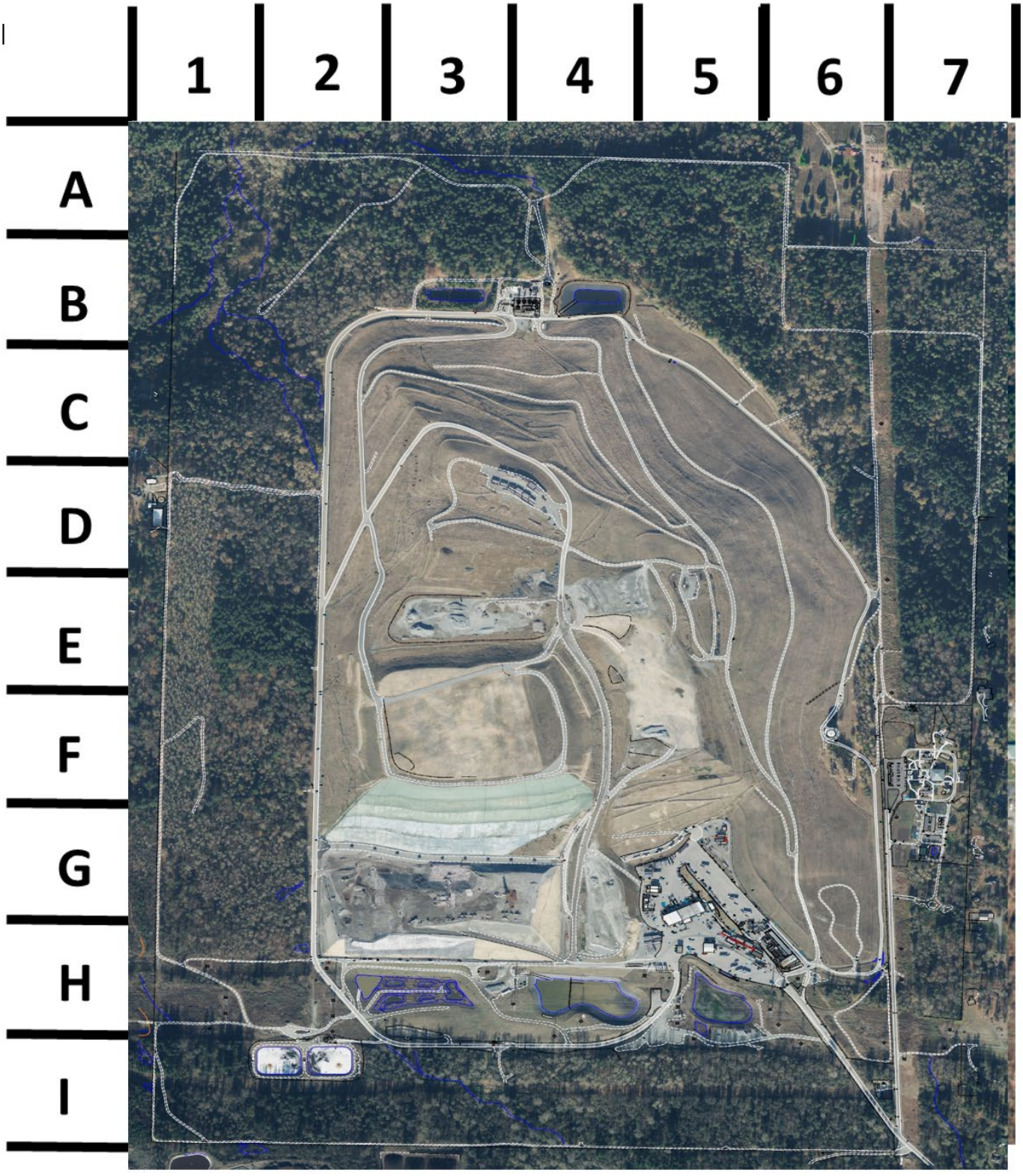
* Immediately notify Environmental Compliance Coordinator

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Printed name:

Signature: DocuSigned by: Samantha Peneto 2868F787EB4E449... Date: 12/15/25; 12/17/25

Docusign Envelope ID: 4450A330-CF75-445B-A832-DFFBEA506262



SOLID WASTE INSPECTION REPORT

Public Health
Seattle & King County

PUBLIC HEALTH - SEATTLE & KING COUNTY Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	**PURPOSE OF VISIT:** Routine Inspection/Field Review of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: **CHRLF** CEDAR HILLS SANITARY LAND 16645 228TH AVE SE MAPLE VALLEY, WA 98038 206-263-8863 **Program Record:** PR0015736	**INSPECTION INFORMATION:** **Date of Inspection:** Wednesday, November 5, 2025 **Time In:** 8:10 am **Time Out:** 9:50 am **Inspector:** Jeromeo Cruz **Result: COMPLETE**

VIOLATIONS OBSERVED (if any)

OVERALL INSPECTION COMMENTS:

Actions and Recommendations:

1. Front Office was moved and apparently Visitors sign-in sheet was routed to Conference Room 4. However, no sign-in sheet was found despite signs on both entrances to the conference room (see pictures). No plan of operation was found in trailer. WAC 173-351-210 requires the operator to keep the plan of operation on site and available for inspection. Please inform Public Health on the location of the plan of operation on or before November 30, 2025.

2. Rock lined ditch along dirt haul road in Area 2/3 continues to have established vegetation in them and thus does not appear to be maintained. Please provide the plan to maintain the drainage ditch by November 30, 2025.

3. Dense flocks of seagulls were observed at Area 8 at the time of inspection. Although propane cannon was used to disperse the flocks, they appear to reassemble quickly. Please step up bird control when flocks get thick. WAC 173-351-200(3) requires owners or operators to prevent or control disease vectors such as animals.

4. A vactor truck was observed spraying down the interior tank at the time of inspection (see pictures and video - https://kc1.sharepoint.com/:v:/t/DPH-SolidWaste-EhsSowdata/IQD6pEs1Vg-CRopOd9wiEtsmAas8EhKJYh1ZwXi21V-jKyQ?e=Z3Cbts). A KCSWD appeared to be escorting the truck. Please inform Public Health by November 30, 2025 if this is accepted practice when allowing vactor trucks to dispose liquid wastes at the landfill. WAC 173-351-200(9) does not allow noncontainerized liquid wastes into the MSW landfill.

5. At the drainage ditch along the Scraper Road 5 west and adjacent to Area 5, ponded areas behind the rock sediment dams were observed (see pictures). Litter and fines appear to be prevent sufficient drainage through the rock dams, causing ponding. Please improve drainage through the sediment dams or provide a plan and schedule by November 30, 2025. WAC 173-351-500(2)(a)(i) requires maintaining and repairing the cover as well as preventing run-on and runoff from eroding or otherwise damaging the final cover. In addition, the plan of operation, Stormwater Pollution Prevention Plan BMPs, and O&M manual for the stormwater systems requires maintenance and corrective actions for these systems.

6. Abandoned extraction wells near the water tower and along east perimeter road remain covered with plywood board. Numerous wells had downed tape and stakes. In an email from Scott Barden last 7/1/2025, an RFP will go out to decommission the wells and they are still working on have their surveyor mark them for visual purposes. Please provide update by November 30, 2025

Observations:

- Sheet metal sticking up in rectangular metal-lined runoff control ditch located along dirt road in Area 2/3 was removed and entire length of ditch was mowed.
- Aerators were operating in both leachate lagoons.
- Byers odor control system was in operation at the leachate lagoons..

Jerome Cruz
Environmental Scientist III

11/12/25
Scott Barden
Assistant Operations Manager

PIC Phone #: **Email:**

INSPECTION CHECKLIST

The following items are evaluated during inspections.
Violations cited as out of compliance during this inspection are highlighted below.
Out=out of compliance

OUT

Additional Operating Criteria WAC 173-351-220(1)

- ☐ 0837-Road dust must be controlled
- ☐ 0838-Litter must be controlled
- ☐ 0839-Scavenging must be prohibited
- ☐ 0840-Staffing must be a minimum 2 personnel on site with one at the active portion when open
- ☐ 0841-Certification of operators of solid waste landfills must be current
- ☐ 0842-Reserve operational equipment must be available and adequate
- ☐ 0843-Active area boundaries must be clearly marked
- ☐ 0844-Must compact solid waste before succeeding layers are added per WAC
- ☐ 0845-Maintain monitoring systems for groundwater, explosive gas and other monitoring per permit
- ☐ 0846-Provide orderly and sanitary recycling methods to general public unless alternatives provided
- ☐ 0847-Prohibit disposal of dangerous waste unless DWR are met
- ☐ 0848-Must allow inspections by public health

Annual Report

- ☐ 0828-Annual report due April 1st

Closure and post-closure care WAC 173-351-500

- ☐ 0852-Equipment used for groundwater monitoring is maintained
- ☐ 0856-Final cover installed to minimize, infiltration and erosion per design
- ☐ 0857-Closure plan followed for areas of the MSWLF unit within 30 days of final receipt of wa-stes
- ☐ 0858-For closed areas, closure activities must be completed within 180 days
- ☐ 0859-For closed areas post closure care must be conducted per post-closure plan and WAC
- ☐ 0860-Final cover for closed areas must be maintained (vegetation, settlement, erosion,# run on/off)
- ☐ 0861-Leachate collection systems maintained and operated per post-closure plan and WAC 173-351-300
- ☐ 0862-Gas monitoring systems maintained and operated per post-closure plan and WAC 173-351-200

Design Criteria New MSWLF expansion 173-351-300

- ☐ 0849-New MSWLF units and expansions have approved liner & leachate collection system construction

Groundwater sampling and analysis requirements WAC 173-351-410

- ☐ 0853-Roundwater monitoring must be accordance with an approved sampling / analysis document

Liquids Restrictions

- ☐ 0826-Containers holding liquid waste may not be placed in a MSWLF unit unless meet 200 (9)(b)(i-iii)

MSLF Groundwater reporting WAC 173-351-415

- ☐ 0854-Annual groundwater report due by April 1st
- ☐ 0855-Quarterly groundwater monitoring reports submitted

MSLF Leachate Managementfor Surface Impoundments WAC 173-350-330

Design Standards - Surface Impoundments

- ☐ 0740-Embankments and slopes must be maintained and be in good condition
- ☐ 0741-Freeboard for the surface impoundment is > 18 inches or as specified per the permit

Ground Water monitoring requirment for surface impoundment and tanks

- ☐ 0766-Surface impoundments not equipped with a leak detection layer must meet WAC 173-350-500
- ☐ 0767-Surface impoundments w/a leak detection layer are subject to WAC 173-350-040 (5),173-350-330(b)

OUT

Operating standards - Surface Impoundments and tanks

- ☐ 0750-Must prevent overfilling and maintain required freeboard = 18 inches from wave action/precip
- ☐ 0751-Must control access to the site
- ☐ 0752-Must control nuisance odors for wastes or liquids
- ☐ 0753-Must control birds at impoundments storing wastes capable of attracting birds
- ☐ 0754-Records kept of weekly inspections and liner inspections at least every 5 years
- ☐ 0755-Daily records kept on-site of the quantity and type of wastes removed for at least 5 years

Operating Criteria WAC 173-351-200

Access Restriction

- ☐ 0819-Lockable gate at each entry must be maintained and in good condition

Air Criteria

- ☐ 0816-MSWLF units must meet all applicable air standards
- ☐ 0817-Open burning of garbage is prohibited. Other types of burning only under appropriate permit
- ☐ 0818-Access must be controlled (public /animal/vehicle). Barriers must be maintained.

Cover Material Requirements

- ☐ 0806-Approved cover material must be applied at a depth of 6 in# at the end of the day or as needed
- ☐ 0807-Only approved alternative cover materials are in use and are applied at an approved depth

Disease Vectors Controlled

- ☐ 0808-Procedures must be in place to control disease vectors e g. (rodents, flies, mosquitoes, other)

Explosive Gases Control

- ☐ 0809-Methane gas must not exceed 25% of lower explosive limit for facility structures
- ☐ 0810-Methane gas concentration must not exceed lower explosive limit at the property boundary-beyond
- ☐ 0811-Methane gas concentration must not exceed 100ppm/volume of methane in offsite structures
- ☐ 0812-Explosive gases must be controlled and a routine methane monitoring program in place
- ☐ 0813-Monitoring for explosive gas occurs quarterly at a minimum
- ☐ 0814-Required measures must be taken if methane gas levels exceed limits (notify, monitor, evacuate)
- ☐ 0815-Must have procedures for methane gas level exceedance (gas levels, interim steps, remediation)

Incoming Waste Management

- ☐ 0800-Procedures must be in place for excluding the receipt of prohibited waste
- ☐ 0801-Random inspections must be conducted for incoming loads to prevent receipts of prohibited waste
- ☐ 0802-Record must be kept of random inspections of incoming loads to prevent prohibited waste
- ☐ 0803-Facility personnel must be trained to recognize prohibited wastes and training logs kept
- ☐ 0804-Immediate notification to Public Health and Ecology for any prohibited waste discovered

Performance Standards

- ☐ 0290-Must not pose a threat to human health or environment
- ☐ 0291-Protects from ground water contamination
- ☐ 0292-The facility must conform to the approved local comprehensive solid waste management plan
- ☐ 0293-Complies with RCW 70.94 Emission or ambient air quality standards

☐ 0294-Complies with all other local/state/federal laws and regulations

Performance Standards for groundwater monitoring

System Design

☐ 0850-All groundwater monitoring system must be designed and maintained per WAC 173-351-405

☐ 0851-All wells must be clearly labeled, capped and locked

Permit Requirements

☐ 0863-Permit Required

Plan of Operation

☐ 0829-Plan of operation is current, complete and a hard copy present at the permit approved location

☐ 0830-Operators handle solid waste as described in plan of operations

☐ 0831-Operators conducting inspections per plan of operation

☐ 0832-Plan of operation procedures followed for fire or explosion

☐ 0833-Plan of operation procedures followed for actions to take for sudden releases of gas, leachate

☐ 0834-Maintain and operate leachate and gas collection equipment per plan of operation

☐ 0835-Safety equipment listed in plan of operation must be on-site and working (shower, eyewash)

☐ 0836-Any additional requirements by Public Health are followed as outlined on the plan of operation

Record Keeping

☐ 0827-Operating record is available at the approved location and is complete for all required records

Run-on/runoff Control Systems

☐ 0820-Prevent run-on to the active portion of the landfill during the peak discharge from 25yr storm

☐ 0821-Must provide runoff control for active portions to collect & control water vol. 24hr/25yr storm

☐ 0822-Runoff from active portion of the landfill must be handled in accordance w. WAC 173-351-200(8)

Surface Water Requirements

☐ 0823-MSWLF units must not discharge pollutants into waters of the state

☐ 0824-Must not cause the discharge of a nonpoint source pollution to waters of the state

☐ 0825-Bulk or non-containerized liquid waste may not be placed in MSWLF unit unless exceptions allow

SOLID WASTE INSPECTION REPORT

Public Health
Seattle & King County

PUBLIC HEALTH - SEATTLE & KING COUNTY Downtown Office 401 - 5th Ave., Ste 1100 Seattle, WA 98104 206-263-9566	**PURPOSE OF VISIT:** Routine Inspection/Field Review of a Municipal Landfill establishment (PE=1006)
ESTABLISHMENT INFORMATION: **CHRLF** CEDAR HILLS SANITARY LAND 16645 228TH AVE SE MAPLE VALLEY, WA 98038 206-263-8863 **Program Record:** PR0015736	**INSPECTION INFORMATION:** **Date of Inspection:** Tuesday, November 18, 2025 **Time In:** 8:30 am **Time Out:** 10:20 am **Inspector:** Jeromeo Cruz **Result: COMPLETE**

VIOLATIONS OBSERVED (if any)

OVERALL INSPECTION COMMENTS:

Weather was overcast at the time of inspection.

Actions and Recommendations:

1. Water overflowing from the sheet lined canal along the dirt road in Area 2/3 (Service Road 3) was observed to run down the slope and puddle at the road (see pictures). Overflow was caused by clogging from sod/grass. Location is south of recently repaired sheet metal noted in past inspections. Remove clogging by November 30, 2025 to prevent ponding and to maintain drainage within the canal per WAC 173-351-500(2)(a)(i) which requires maintenance of cover including preventing run-on and runoff from eroding or otherwise damaging the final cover. Continue maintenance of this ditch.

2. Rock lined ditch along dirt haul road in Area 2/3 continues to have established vegetation in them and thus does not appear to be maintained. Please provide the plan to maintain the drainage ditch by November 30, 2025. The plan of operation, Post Closure Plan, and the O&M manual for the stormwater and CSW systems requires maintenance and corrective actions for these systems. WAC 173-351-500(2)(a)(i) requires maintenance of cover including preventing run-on and runoff from eroding or otherwise damaging the final cover.

3. Thick foam was observed at the leachate lagoons. Portions of foam were observed to have blown onto some bank areas and were airborne (see pictures). Gate was open at the time of inspection. Per email communication with Scott Barden dated November 1, 2024, aeration should stop if windy conditions pick up.

Observations:

- Aerators were operating in both leachate lagoons.

- Byers odor control system was in operation at the leachate lagoons and west perimeter road west of Area 8.

Jerome Cruz
Environmental Scientist III

Scott Barden
Assistant Operations Manager

PIC Phone #: **Email:**

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SOLID WASTE DIVISION

Cedar Hills Regional Landfill Monthly Facility Inspection

Site Inspection: Stormwater Permit Compliance (ISGP Permit # WAR000756)

Inspected By: Samantha Peveto + Riley Sexton Date: 10/15/2025 + 10/24/2025

Location: Cedar Hills Ambient Temperature: (68 ºF) Weather Condition: Recent Rains

Inspection Requirements

1. Observations of the discharge points were stormwater leaves the site (N4, GS1, and SL3).
2. Observations for the presence of floating materials, visible oil sheen, discoloration, turbidity, odor, etc. in stormwater leaving site (See field sheets for that information).
3. Observations for the presence of an illicit discharge.
4. Verification that the descriptions of potential pollutant sources in this SWPPP are accurate.
5. Verification that the site map in this SWPPP is accurate.
6. Assessment of BMPs for effectiveness, maintenance needs, and any deficiencies warranting new or different BMP's than those implemented at the time of the inspection.

Stormwater System Action Code	Good	Fair	Poor	Comments
A. CSW Pond	X			
B. North Siltation Pond		X		Silt fence and baffolds in pond needs replaced.
C. North SW Lagoon (Lined Lagoon)	X			
D. South SW Pond	X			
E. South Siltation Pond	X			
F. South Sand Filter		X		Vegetation removal needed in actual top layer of sand filter.
G. CB/ Control Structures	X			
H. Pipes/Culverts	X			N1 outlet erosion occurred on west side of culvert.
I. Trash Racks	X			
J. Ditches	X			
K. Best Management Practices	X			Some rock check dams near operators trailers are sagging/collapsing and could use maintenance. Minimal flow observed during inspection.
L. Compliance Points:				
a. SW-N4	X			
b. SW-GS1	X			
c. SW-SL3	X			
e. Other				S1 - along South property line may need some ditch maintenace.

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South Stormwater Siltation Lagoon



Contaminated Stormwater



SN1 - New welded lid for Access



Sand Filter -vegetation needs removed



Surface Water Ponding - West West Road.



SL3 -vegetation in bioswale



N4 -Inlet Watch



N1 culvert inlet - cut vegetation around entrance



N1 culvert outlet



Steel Ditches around the hill need cleaning.



Open SW Ditch needs new covering for Safety



Surface Water Ponding - Top Deck

Docusign Envelope ID: 7F159BF9-7EBE-4AE0-9A4C-BA3C0956B8F7

AREA CODES (Cedar Hills):

Area 2/3 = A2/3	Area 7 = A7	East Main Hill = EMH	Southwest Main Hill = SWMH
Area 4 = A4	Area 8 = A8	Leachate Lagoon = LL	Stockpile = CP
Area 5 = A5	Central Pit = CP	North Flare Station = NFS	
Area 6 = A6	CSW Lagoon = CSW	Southeast Pit Area = SEPA	

State the needs of the repairs in the suggested remedy box.

1. *Emergency*
2. *Regulatory Priority*
3. *Safety Priority*
4. *Maintenance Priority*
    a. *Urgent*
    b. *Routine*
    c. *Deferred*

Overall site description day of site inspection:

Observations:
-The site is generally in good condition. Some ponding across top deck needs to be addressed.
-Contaminated Stormwater lagoon (CSW) and South Siltation Pond were recently receiving surface water - should plan on sediment removal for Summer 2026.
-Vegetation removal is needed in several of the asphalt-lined stormwater ditches; this appears to be in-progress, as some areas had signs of recent trimming/mowing. Vegetation removal is also needed around several surface water staff gages for improved access and visibility, as well as in the sand filter. Steel ditches on East Main Hill need vegetation removal.
-Welded lid access needed for SN1 and new covering for unnamed SW collection pipe on Area 6 South Slope.
-Leachate pump system is requiring some maintenance - working on getting specifications for pump replacement in Pump Station 1; Pump Station 3 having electrical issues.

Long Term Watch and Projects
-Slip-lining the N4 pipe for "new pipe replacement" - designs are complete, next steps pending RFP.
-Monitoring of N1 culvert erosion until permitting is completed and project can be executed; emergency repair work order going to executed to have expedited permit approval for repair for 2025/2026 wet season.

Potential Pollutant Sources Identified:
-No sources of potential stormwater pollution were identified during the inspection.

SWPPP Modifications Necessary? NO

Potential Pollutant Sources NO

If **Y**, *log changes in Appendix I of SWPPP*

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INSPECTION REPORT SIGNATURE PAGE

INSPECTION DATE: 10/24/2025 SITE: Cedar Hills Regional Landfill

INSPECTOR / QUALIFIED PERSONNEL

Based on professional judgment, which of the following statements is true: (select one)

☑ *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

☐ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

* Immediately notify Environmental Compliance Coordinator

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

Printed name: Inspection Engineer

Signature: DocuSigned by: Samantha Peveto 2868E7B7EB4E449... Date: Nov 3, 2025

DULY AUTHORIZED REPRESENTATIVE

Based on professional judgment, which of the following statements is true: (select one)

X *The site is in compliance with the terms and conditions of the SWPPP and the ISGP.*

___ *The site is NOT in compliance with the terms and conditions of the SWPPP and the ISGP*.*

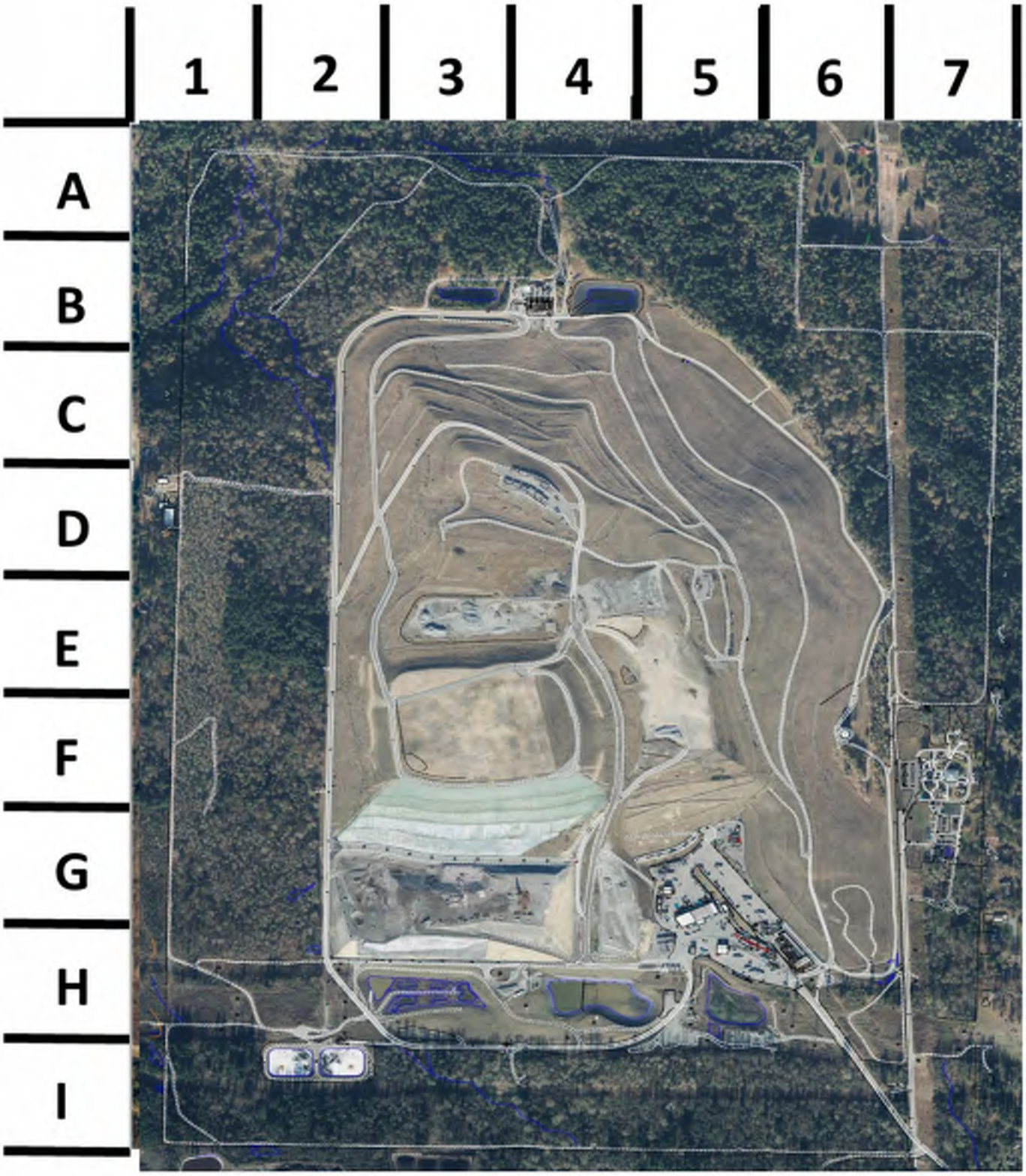
* Immediately notify Environmental Compliance Coordinator

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Printed name: Landfill Supervisor/Manager

Signature: Signed by: Mark Monteiro A49393306BDC47D... Date: Nov 6, 2025

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Docusign Envelope ID: D2DEB23A-B3C2-41E9-9DC9-6FB21F7E9816

SOLID WASTE DIVISION
Cedar Hills Regional Landfill Monthly Facility Inspection
Site Inspection: Stormwater Permit Compliance (ISGP Permit # WAR000756)

Inspected By: Subrina Tahsin+Samantha Peveto+Andrew Jenkins Date: 11/15/2025

Location: Cedar Hills Ambient Temperature: (54 ºF) Weather Condition: Cloudy

Inspection Requirements

1. Observations of the discharge points were stormwater leaves the site (N4, GS1, and SL3).
2. Observations for the presence of floating materials, visible oil sheen, discoloration, turbidity, odor, etc. in stormwater leaving site (See field sheets for that information).
3. Observations for the presence of an illicit discharge.
4. Verification that the descriptions of potential pollutant sources in this SWPPP are accurate.
5. Verification that the site map in this SWPPP is accurate.
6. Assessment of BMPs for effectiveness, maintenance needs, and any deficiencies warranting new or different BMP's than those implemented at the time of the inspection.

Stormwater System Action Code	Good	Fair	Poor	Comments
A. CSW Pond	X			Need a permanent stable Lid on the CSW pipe on the South-west side repalcing the wood plan
B. North Siltation Pond		X		The silt fence and the baffles replacement.
C. North SW Lagoon (Lined Lagoon)	X			
D. South SW Pond	X			
E. South Siltation Pond	X			
F. South Sand Filter		X		Vegetation removal needed in actual top layer of sand filter.
G. CB/ Control Structures	X			
H. Pipes/Culverts	X			N1 both inlet and outlet erosion is continuing both side of the culvert.
I. Trash Racks	X			
J. Ditches	X			Some minor gaps within the metal ditches
K. Best Management Practices	X			Some ponding observed at top deck of area 5 and area 7. Several rock check dams near the operators' trailers are sagging and need repair. Regular wet season flow observed during inspection.
L. Compliance Points:				
a. SW-N4	X			
b. SW-GS1	X			
c. SW-SL3	X			
e. Other				S1 - along South property line need some ditch maintenace.