



King County

Solid Waste Division

Department of Natural Resources and Parks

King Street Center

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December 6, 2024

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

VIA: Jamey Barker, P.E., Engineer IV – Engineer Supervisor

FM: Adrienne Scott, Engineer III – Lead Geologist

RE: King County Enumclaw Landfill 2023-2024 Annual Groundwater Report

The purpose of this letter is to transmit the Solid Waste Division's *King County Enumclaw Landfill 2023-2024 Annual Groundwater Data Evaluation Report*. This annual report incorporates a summary of the most recent hydrogeologic report as prepared by a licensed hydrogeologist; the hydrogeologic report contains quarterly potentiometric maps and a table containing groundwater velocity calculations. The annual report includes a site summary, exceedances table, descriptive statistics tables, trend test tables, and time-concentration plots.

The 2023-2024 Annual Report has been updated to include environmental data collected through September 30, 2024.

If you have questions or need additional information, please contact me at 206-263-0518, or via email at adscott@kingcounty.gov.

Enclosures

cc: Yolanda Pon, Solid Waste Program Supervisor, Environmental Health Division, Public Health Seattle & King County
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December 6, 2024

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Sincerely,

Adrienne Scott

Adrienne Scott
Engineer III – Lead Geologist

Enclosures

Tim O'Connor
December 6, 2024
Page 2

cc: Yolanda Pon, Solid Waste Program Supervisor, Environmental Health Division (EHD),
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Enumclaw Landfill

Groundwater Data Evaluation Report

2023-2024 Annual Report



King County

Department of
Natural Resources and Parks
Solid Waste Division

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Disposal

December 2024

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Enumclaw Landfill

Groundwater Data Evaluation Report

2023 – 2024 Annual Report

Prepared by:

King County Department of Natural Resources & Parks

Solid Waste Division, Facility Engineering and Sciences Section

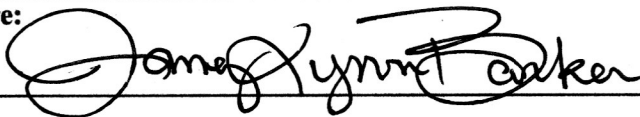
December 2024

CERTIFICATION

KING COUNTY ENUMCLAW LANDFILL

2023 – 2024 ANNUAL ENVIRONMENTAL MONITORING REPORT CERTIFICATION

I certify in accordance with the requirements of Chapter 18.220 RCW, that the contents of this Groundwater Data Evaluation Report were prepared under my direction under a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Where applicable, some specific and related hydrogeologic portions have been duly certified by the responsible geologist or engineering geologists in accordance with Chapter 18.220.010 (12) RCW. 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: Jamey Barker, P.E.	Title: Supervising Engineer, Facility Engineering and Science Section	Date: December 6, 2024
Mailing Address: Solid Waste Division King County Department of Natural Resources & Parks 201 South Jackson Street, Suite 6400 Seattle, WA 98104-3855		Telephone Number: 206-477-4625
Signature:  12/6/2024		



CERTIFICATION

KING COUNTY ENUMCLAW LANDFILL

2023-2024 ANNUAL GROUNDWATER DATA EVALUATION REPORT CERTIFICATION

I certify in accordance with the requirements of Chapter 18.220 RCW, that the contents of this Groundwater Data Evaluation Report were prepared under my direction under a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Where applicable, some specific and related hydrogeologic portions have been duly certified by the responsible geologist or engineering geologists in accordance with Chapter 18.220.010 (12) RCW. 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: Eric W. Ferguson, L.G., L.H.G.	Title: Water Quality Planner – Hydrogeologist; Science and Technical Support Section	Date: December 06, 2024
Mailing Address: Water and Land Resources Division King County Department of Natural Resources & Parks 201 South Jackson Street, Suite 5600 Seattle, WA 98104-3855		Telephone Number: 206-477-4690
Signature: 		

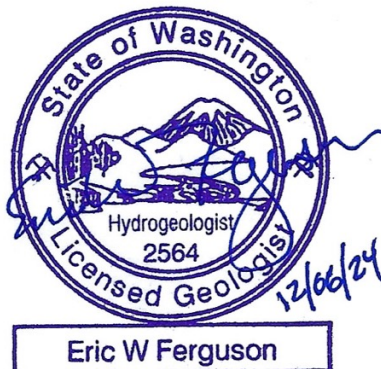


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1. PURPOSE

The purpose of this report is to present the annual groundwater conditions at Enumclaw Landfill in accordance with the regulatory requirements of the Washington Administrative Code (WAC) 173-304, *Minimum Functional Standards for Solid Waste Handling*.

2. INTRODUCTION

The 2023-2024 Annual Groundwater Report presents the groundwater quality data collected at the Enumclaw Landfill from September 1986 through September 2024. The Annual Groundwater Report is submitted in compliance with Washington State Department of Ecology (Ecology) *Minimum Functional Standards for Solid Waste Handling* (WAC 173-304-405), and the King County Board of Health Code, *Solid Waste Handling* (Section 10.09.020).

Pursuant to the reporting requirements of WAC 173-304, this report describes the hydrogeologic conditions surrounding the landfill and provides results of the statistical analyses conducted on the groundwater monitoring data. The annual report also includes a location description; a history of the landfill; a description of the local geology and hydrogeology; data evaluation methods; data quality; results; and discussion of groundwater flow and chemistry at the landfill.

2.1. SITE LOCATION and REGIONAL SETTING

Enumclaw Landfill (ENLF) is a closed municipal solid waste landfill that has an approximate 24-acre footprint within a 39-acre parcel. The facility is located within the foothills of the Cascade Range, roughly 1.5 miles east of Enumclaw, Washington (Figure 1). The site is surrounded by sparse residential properties and forested land to the north, east, and west, and the Enumclaw Transfer Station to the south.

2.2. SITE HISTORY

Enumclaw Landfill is owned by the City of Enumclaw and is leased and operated by King County Solid Waste Division (KCSWD).

Filling activities began at Enumclaw Landfill during the early 1950s under the informal supervision of the City of Enumclaw and Public Health Seattle and King County (PHSKC). For most of the 1950s, landfilling and open pit sand and gravel mining was concurrently occurring at the site until late 1987. Refuse was burned at the site until 1958, when facility control was appointed to the King County Department of Sanitary Operations which was renamed the King County Solid Waste Division (KCSWD) in 1969. The subject facility is currently maintained by KCSWD.

Enumclaw Landfill was closed in two separate phases. Phase I closure was completed during 1989 and Phase II closure was completed in 1993. The Phase II closure brought the facility into compliance with the Minimum Functional Standards for Solid Waste Handling (MFS), the prevailing regulations at the time of closure. As such, ENLF is subject to the regulations outlined by Chapter 173-304 of the Washington Administrative Code.

Closure activities for Phase I and Phase II included installation of a geomembrane final cover, development of a groundwater and gas monitoring program, construction of surface water controls, and installation of an active gas control system with a flare and condensate collection system.

During 2017, a low flow landfill gas flare was installed at Enumclaw Landfill and the former high flow landfill gas flare was disconnected due to the low volume of landfill gas being produced at the

site. In 2019, the low flow flare was disconnected and a biofiltration berm was constructed as a polishing treatment for the gas.

2.3. GEOLOGY AND HYDROGEOLOGY

The near surface geology at Enumclaw Landfill consists of Cenozoic aged rocks that belong to the following geologic units: the Osceola Mudflow, Vashon Recessional Outwash, Vashon Till, and an inferred, undivided volcanic unit (R.W. Beck and Associates and Sweet-Edwards and Associates, 1987).

The Osceola Mudflow is the youngest and uppermost deposit on site and is absent in areas where exhumed and replaced by refuse. The Osceola debris sediments are associated with Holocene aged eruptions at Mount Rainier that triggered debris flows which ultimately blanketed areas downstream of the volcano. The mudflow deposits have a nonuniform four-to-eight-foot thickness on site, and the deposit predominantly consists of non-sorted silty clay, sand, and gravel with variable amounts of cobbles and boulders.

Underlying the Osceola Mudflow deposits are Pleistocene aged Vashon Recessional Outwash sediments. This glacio-fluvial deposit forms the predominant geologic unit underlying the waste unit. Vashon Outwash sediments are associated with the melting and retreat of the Cordilleran Ice Sheet during the Vashon Stade of the Fraser Glaciation. The outwash unit is composed of a complex deposition of horizontal and cross stratified deltaic sand and sandy gravel with varying textures of clay, silt, very fine sand, and pebbles. The borehole for well MW-7 was drilled to 120 feet below ground surface (bgs), and well MW-7 was completed to an approximate 69 foot depth; see Table 1 for the well completion details. Within the MW-7 borehole, Vashon Till was encountered below the outwash sediments, from approximately 97 feet bgs to 116 feet bgs and consists of a relatively lower porosity clayey sand layered with gravel and silt.

Beck and Associates inferred a local bedrock of Tertiary aged volcanic deposits based on local observations of andesitic rocks in the vicinity of the site. Andesitic volcanic rocks form Saddleback Hill that is located adjacent to and northwest of the property, and outcroppings were observed a few feet north of the fenced property boundary. The volcanic deposit is relatively weather resistant and is closely jointed with a porphyritic texture. The overburden thickness and contact boundary are not constrained.

Characterization of the hydrogeology underlying the site was completed by Beck and Associates and the descriptions are based on data collected from boreholes. The following groundwater occurrences were described (from ground surface downward): sporadic minor perched groundwater within the Osceola mudflow deposits or shallow silty zones of the outwash deposits; and fully saturated water table conditions exist within the glacial outwash unit.

Perched groundwater conditions were surmised from partially saturated sediments from boreholes associated with landfill gas monitoring probes GP-6 and GP-7. Moist sediments were observed as shallow as 2 feet below ground surface at both gas probes; it is possible that the very shallow sediment moisture is associated with interflow within the vadose zone. Therefore, this very shallow zone is not monitored for groundwater quality.

The principal aquifer beneath Enumclaw Landfill is the Vashon Outwash Aquifer. Locally, the glacial outwash aquifer is largely unconfined, with seasonally high groundwater elevations approximately 25 feet below the maximum depth of buried refuse.

3. EVALUATION METHODS

The groundwater evaluation was conducted in accordance with WAC 173-304 and the *Environmental Monitoring Quality Assurance Project Plan and Sampling and Analysis Plan for Enumclaw Landfill* (KCSWD, 2015).

3.1. DATA QUALITY

Five analytical labs have performed laboratory services for water samples collected at Enumclaw Landfill, including Laucks from 1986 to March 1990, AmTest from March 1990 to April 1992, Analytical Resources (ARI) from April 1992 to May 1995, Laucks from May 1995 to April 2008, Pace from April 2008 to March 2009, and the King County Environmental Laboratory from April 2009 to current. All five laboratories have Washington State Department of Ecology accreditation through the Washington State 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 for compounds, such as acetone, bis (2-ethylhexyl) 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 (VOCs) 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.

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

There are instances where the limit of detection, because of technological limitations, is above the *National Primary and Secondary Drinking Water Regulations* and *Water Quality Standards for Groundwaters of the State of Washington*. 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 is dependent upon factors such as instrument sensitivity and can, at times, be greater than the baseline curve concentration.

3.2. GROUNDWATER ELEVATIONS and FLOW DIRECTION

Synoptic water level measurements are taken at each groundwater monitoring well for water quality sampling events. Groundwater well locations are shown on Figure 2. Since water levels are measured twice prior to sampling, the additional data is 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. Upgradient and downgradient well designations were determined by comparison of the hydraulic head at each well relative to the waste unit; upgradient wells have higher hydraulic head measurements relative to downgradient wells.

Semiannual 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 the aquifer. Next, the grid values are used to generate equipotential contours that represent the groundwater potentiometric surface for the 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. TRILINEAR DIAGRAMS and ION BALANCE

Ion balances are performed as a quality control process on the chemical analysis. When the percent difference of cations and anions is greater than 10%, individual results are reviewed, and any findings are included in this report. For the ion balance calculations, non-detects values are evaluated as half the method detection limit.

Geochemical data is presented 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 diagrams onto the diamond shaped field which represents the overall chemical character of a sample based on the relative concentration of its constituents, but not according to the absolute parameter concentration. Ultimately the diagrams illustrate differences in major ion chemistry between groundwater samples and can be used to categorize water composition into identifiable groups or hydrochemical facies (Fetter, 2000; Freeze and Cherry, 1979). The facies is a function of the lithology, solution kinematics, and flow patterns of

the aquifer. The value of the trilinear diagram lies in describing relationships that exist among individual samples. Trilinear diagrams are included with ionic balance calculations in this report.

3.4. GROUNDWATER EXCEEDANCES

Groundwater quality monitoring results are compared to 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). Exceedances of the state or federal limits are determined by comparing the raw analytical data to the corresponding limit. It must be noted that not all parameters that are analyzed have regulatory standards.

In addition to providing information about the water quality relative to established standards, exceedances also 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 to historical results, the data is reviewed more carefully.

3.5. VOLATILE ORGANIC COMPOUND DETECTIONS

Groundwater VOC detections are used as a groundwater quality evaluation method, since many organic compounds are emitted from a wide variety of products, and occurrences in groundwater may be an indication of an impact from landfilling activities.

3.6. STATISTICAL AND TREND ANALYSES

3.6.1. Descriptive Statistics

Descriptive statistics describe general measures of a sample population, the extremes (maximum, minimum), central tendencies (mean, median), and variability (standard deviation).

For this report, descriptive statistics are performed on groundwater analytical data, and the statistical values are compared to historical values to identify any significant changes in groundwater quality. Data from each groundwater monitoring location are divided into two groups for evaluation. The first group consists of all data in the period of record, including the eight most recent analyses. The second group consists of the eight most recent analyses. Monitoring wells that have not produced sufficient water for eight samples in the last two years are compiled as a long-term trend only. For the descriptive statistical calculations, non-detect values are evaluated as half of the method detection limit.

For the discussion section of this report, the more recent period is considered to have a greater importance, because of the timeliness of the data and improvements in data quality. 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.

3.6.2. Trend Analysis

Trend testing was accomplished by using the Mann-Kendall test for trend. The Mann-Kendall trend test 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 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-detects values are evaluated as half the method detection limit.

The trend test evaluates data for long-term trends, including all data in the period of record, and for short-term trends using the last eight samples. For wells with historical data beyond 50 samples, the most recent 50 samples are used in the long-term trend test. Monitoring wells that have not produced sufficient water for eight samples in the last two years are compiled for a long-term trend test only. For the discussion section of this report, the more recent period is considered to have a greater importance, because of the timeliness of the data and improvements in data quality.

4. RESULTS and DISCUSSION

4.1. GROUNDWATER

The regional and local hydrogeology at Enumclaw Landfill was interpreted by R.W. Beck and Associates (1984, and 1987). These interpretations have been used in the preparation of potentiometric surface maps and calculations of groundwater velocities.

Groundwater monitoring well locations are shown on Figure 2. These wells monitor the Vashon Recessional Outwash Aquifer. Well completion details are listed in Table 1.

During 2017, the *Post-Closure Maintenance and Evaluation Report in Preparation for Termination of Post-Closure* was completed for Enumclaw Landfill. Sufficient evidence was presented to Public Health – Seattle & King County to support a reduction in groundwater monitoring frequency as well as a reduced analyte list (Public Health - Seattle & King County, 2018 and 2020). Analytes were reduced based on non-detections since 2010, or sporadic detections since 2014.

Appendix A contains the raw data collected during sampling, the laboratory analytical results, and the corresponding data qualifier descriptions. Appendix B shows groundwater elevations over time at each well, in addition to the time series graphs for each of the monitored groundwater constituents.

Potentiometric surface maps, horizontal groundwater velocity calculations, and groundwater movement directions are included in Appendix C. Appendix D contains the trilinear diagrams and the ionic balance calculations.

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 are tabulated and reported in Appendix F. All groundwater VOC detections are also reported in Appendix F along with all trip blank, field blank, and method blank detections.

Descriptive statistical summary tables are provided for routine groundwater analytes in Table 2, while the trend test tables are compiled for the routine groundwater analytes in Table 3. The long-term statistics utilize groundwater analytical results from the current year (Appendix A) as well as the historic analytical data, which can be found in Appendix I.

Arsenic and manganese occur naturally in groundwater of this region. The Washington State Department of Ecology conducted a background study on arsenic concentrations in groundwater and found that the natural arsenic background for the Puget Sound Basin is 8 ug/L (Ecology, 2022). Therefore, exceedances of the *Water Quality Standards for Groundwaters of the State of Washington* for these contaminants are believed to be representative of background groundwater quality.

4.2. ***GROUNDWATER in VASHON OUTWASH AQUIFER***

There are six wells that monitor groundwater in the Vashon Outwash Aquifer:

Vashon Outwash Aquifer	
MW-3 ^U	MW-6A
MW-1	MW-9
MW-2	MW-10

U = upgradient well

Groundwater samples were collected between October 2023 and September 2024 for each well listed above. Groundwater samples are collected on a semiannual frequency during the second and fourth quarters at all downgradient wells. Upgradient well MW-3 is also sampled for the semiannual constituents during the second and fourth quarters and is being sampled quarterly for field parameters and total metals through 2025 so that background metal concentrations can be calculated (PH-SKC, 2024).

Water level and water quality data in the Vashon Outwash Aquifer is consistent with previous years unless stated otherwise below.

4.2.1. Groundwater Elevations and Flow Direction

Groundwater elevation data for the Vashon Outwash Aquifer can be found in Appendix A (Tables A-1 and A-2) and Appendix B (Figure B-1). Groundwater elevations in the Vashon Outwash Aquifer fluctuate seasonally by approximately five to ten feet. Due to the semiannual sampling schedule, seasonal lows are typically recorded in November or December (fourth quarter) and highs in May (second quarter) (see Appendix B, Figure B-1). The water levels recorded in 2023-2024 are consistent with the seasonal patterns of past years.

Potentiometric maps generated for the 2023-2024 reporting period show that groundwater generally flowed westward beneath the landfill within the Vashon Outwash Aquifer (see Figures C-1 and C-2 in Appendix C). The average hydraulic gradients were approximately 0.009 and 0.012 ft/ft and groundwater velocities ranged from 7 ft/day to 9 ft/day in the fourth and second quarters, respectively (see Table C-2). The groundwater flow direction, hydraulic gradients, and horizontal groundwater velocities for 2023-2024 are consistent with historical results. Horizontal groundwater velocity calculations and potentiometric maps are attached in Appendix C.

4.2.2. Trilinear Diagrams and Ion Balance

The annual Vashon Outwash Aquifer trilinear diagrams and ion balances are located in Appendix D. The triaxial diagrams (Figures D-1 and D-2) show samples plotted from the Vashon Outwash Aquifer. The figures show that most samples plot with calcium as the dominant cation, and bicarbonate as the dominant anion. The alkaline earths exceed alkalis and the weak acids exceed strong acids, with sample composition being >70% hardness causing constituents (calcium and magnesium) and >80% weak acids (carbonate and bicarbonate). Ultimately, during this reporting

period, all samples plot within the magnesium bicarbonate hydrochemical facies of the diamond shaped cation-anion field, and these results are consistent with historic samples.

Appendix D Tables D-1 through D-2 contain the cation/anion balances for samples collected from wells screened within the Vashon Outwash Aquifer during the reporting period. Total cation-anion sums are less than 5.0 meq/L for all wells, except well MW-1 in the fourth quarter of 2023 (Table D-1). The percent difference between the cation sum and anion sum is less than 5% for each well, this indicates that a proficient chemical analyses has occurred.

4.2.3. Groundwater Exceedances

Exceedances of the *Water Quality Standards for Groundwaters of the State of Washington* (SGWC) and *National Primary and Secondary Drinking Water Regulations* (MCL) are summarized in tables in Appendix F.

Total arsenic exceeded the primary SGWC for all samples collected from Vashon Outwash Aquifer wells during the reporting year, Appendix F Table F-1. During the fourth quarter of 2023, the 8.41 ug/L total arsenic concentration at well MW-1 exceeded the SGWC, but the concentration is below the 10 ug/L MCL.

Dissolved and total manganese concentrations exceeded the secondary SGWC at monitoring well MW-1, and the secondary SGWC was also exceeded for the lower pH limit at all wells, including upgradient well MW-3, Appendix F, Table F-1.

There were no new statistically significant increases for groundwater exceedances in the Vashon Outwash Aquifer during this reporting year. Groundwater exceedances are consistent with previous years.

4.2.4. Volatile Organic Compounds (VOC) Detections

Groundwater VOC detections are summarized in tables in Appendix F (Tables F-2 and F-3). During the reporting year, a single detection was observed: vinyl chloride (qualified as ‘DJT’) in well MW-1. Laboratory qualifier definitions can be found on page A-1 of Appendix A.

4.2.5. Statistical and Trends Analyses

Statistical and trend analysis results for the Vashon Outwash Aquifer are summarized in Tables 2 and 3.

Sampling for total metals commenced in the second quarter of 2023. It is important to note that the short-term metal statistics are calculated based on the last 8 sampling results. The short-term dissolved metals trends incorporate samples through the third quarter of 2024 and the total metal trends cannot be calculated because there are less than 8 sample results available. Table 3 shows

the current number of analyses at each well. Generally, total metal results are anticipated to be marginally higher than the dissolved metal results since the dissolved metal results are a fraction of the total metal results. During this reporting period, total metal results were similar to historic dissolved metal results.

Since sampling for total metals began during the second quarter of 2023, there is not enough data to calculate long-term trends for total metals, which requires 8 or more sample results. However, the most recent statistical analysis shows that there are long-term stable to decreasing trends and short-term stable trends for dissolved arsenic.

All short-term trends for monitoring wells screened within the Vashon Outwash Aquifer are decreasing or stable. Trend analyses indicate that the concentration of the vinyl chloride detections at well MW-1 are stable (Table 3).

Long-term trend analyses show that most analytes have declining or stable trends over the past 50 sampling events, excluding specific conductance and total dissolved solids at well MW-1; alkalinity at wells MW-1, and MW-2; nitrate at well MW-2; dissolved calcium at wells MW-1, and MW-2; dissolved magnesium at wells MW-1, MW-2, MW-3 (upgradient), and MW-6A; dissolved potassium at wells MW-2, and MW-3 (upgradient); and dissolved sodium at wells MW-1, MW-3 (upgradient), MW-6A, and MW-9. All long-term trends are consistent with historic analyses.

Well MW-9 shows an exceedance of the lower pH limit and has a long-term decreasing pH trend; however, the short-term pH values are stable. Although there are also arsenic exceedances at well MW-9, the concentrations are considered to be within the anticipated background concentration since the values are below the 8 ug/L arsenic concentration for the Puget Sound Basin (Ecology, 2022). No other wells exhibit exceedances with statistically significant trends.

4.2.6. Summary

Analytical groundwater data and time-concentration plots for the Vashon Outwash Aquifer monitoring wells can be found in Appendices A and B, respectively.

During the 2023-2024 reporting year, groundwater quality for monitoring wells MW-1, MW-2, MW-3, MW-6A, MW-9, and MW-10 is consistent with previous years. The groundwater quality is good with little indication of landfill impacts.

Overall, long-term trends indicate that the water quality is good within the Vashon Outwash Aquifer at the Enumclaw Landfill.

5. LANDFILL GAS

Landfill gas is monitored by a network of compliance probes installed around the perimeter of the landfill and ambient air stations around the property boundary (Figure 2). The monitoring network

comprises of eleven ambient air stations, and 12 gas probes (several dual completions). Probes are monitored monthly. The results can be found in Appendix G.

Several gas probes, GP-6S, GP-7S, GP-9S, GP-10D, and GP-15D, had oxygen readings with levels as low as 0.30 percent by volume (at GP-7S) and elevated levels of carbon dioxide as high as 10.7 percent by volume (at GP-15D). These gas probes are located at the north end of the landfill near groundwater monitoring well MW-1. There were no methane detections at any gas probes during the 2023 to 2024 reporting period.

A trailer-mounted low-flow landfill gas flare remains on site, but Enumclaw Landfill no longer produces combustible quality landfill gas. Therefore, the low flow flare is not in use. Landfill gas will continue to be treated via passive biofiltration (bioberm).

6. FINANCIAL ASSURANCE

The 2023-2024 financial assurance for Enumclaw Landfill is provided in Appendix H.

7. CONCLUSIONS AND RECOMMENDATIONS

7.1. CONCLUSIONS

Conditions at the Enumclaw Landfill have continued the historic trend. Therefore, most conclusions made in this report hold true for previous reports. The following conclusions were drawn from information provided in the preceding sections of this report:

1. Groundwater movement in the Vashon Outwash Aquifer shows westerly groundwater flow directions and moderate horizontal groundwater movement within the aquifer (Appendix C). Groundwater elevations exhibit seasonal elevation changes of approximately 5-10 feet with westerly gradients ranging from 0.009 to 0.012. These results are consistent with historic data.
2. The primary exceedances at Enumclaw Landfill are arsenic, manganese, and pH. All three parameters are observed in natural settings, and all arsenic concentrations are below the 10 ug/L National Primary MCL.
3. The qualified VOC detection of vinyl chloride (Appendix F) is consistent with historic results. Vinyl chloride detections are diminishing over time and exhibit a stable trend for all wells (Table 3).
4. Short-term statistical trends in the Vashon Outwash Aquifer are stable. Long-term trends are stable or decreasing for most parameters and wells. Monitoring well MW-9 exhibited a long-term trend and exceedance for pH, however, the short-term trend is stable and the lack of statistically significant short-term trends as well as lack of exceedances indicates that groundwater quality at well MW-9 is sufficient.

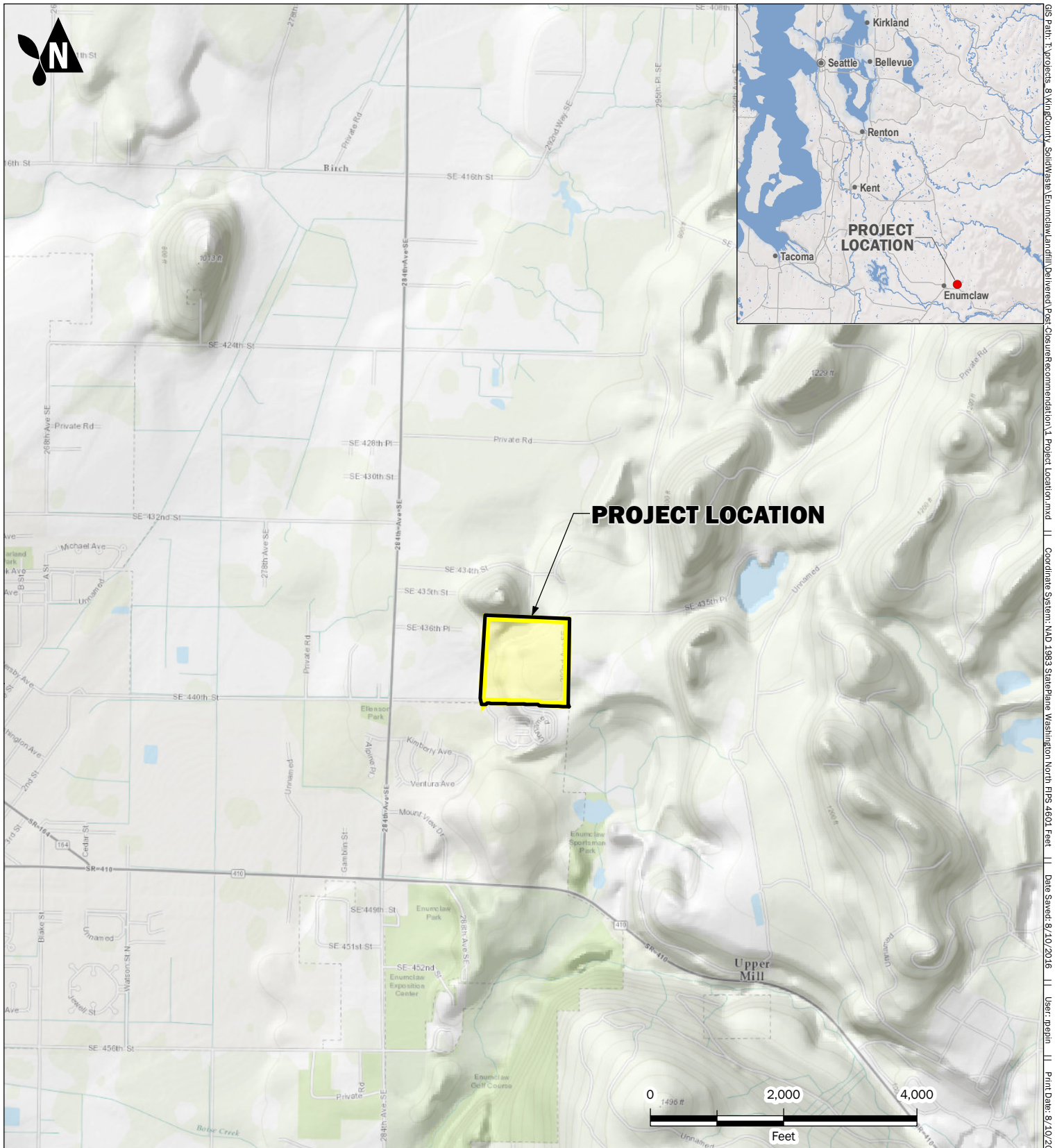
7.2. RECOMMENDATIONS/PROPOSED ACTIONS

1. Continue updating the Sampling and Analysis Plan to reflect agency approved variances to the historic sampling plan.
2. Continue collecting unfiltered groundwater samples for total metal analyses.
3. After collecting three years of total metals data, calculate an interwell value for metals at upgradient well MW-3.
4. Continue groundwater monitoring in accordance with an updated facility Sampling and Analysis Plan as well as all variances approved by Public Health — Seattle & King County as well as the Washington State Department of Ecology.
5. Continue landfill gas monitoring at all compliance monitoring points.
6. Continue cover settlement surveys.

8. REFERENCES

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FIGURES and TABLES



Landfill Location

Enumclaw Closed Landfill
King County, Washington

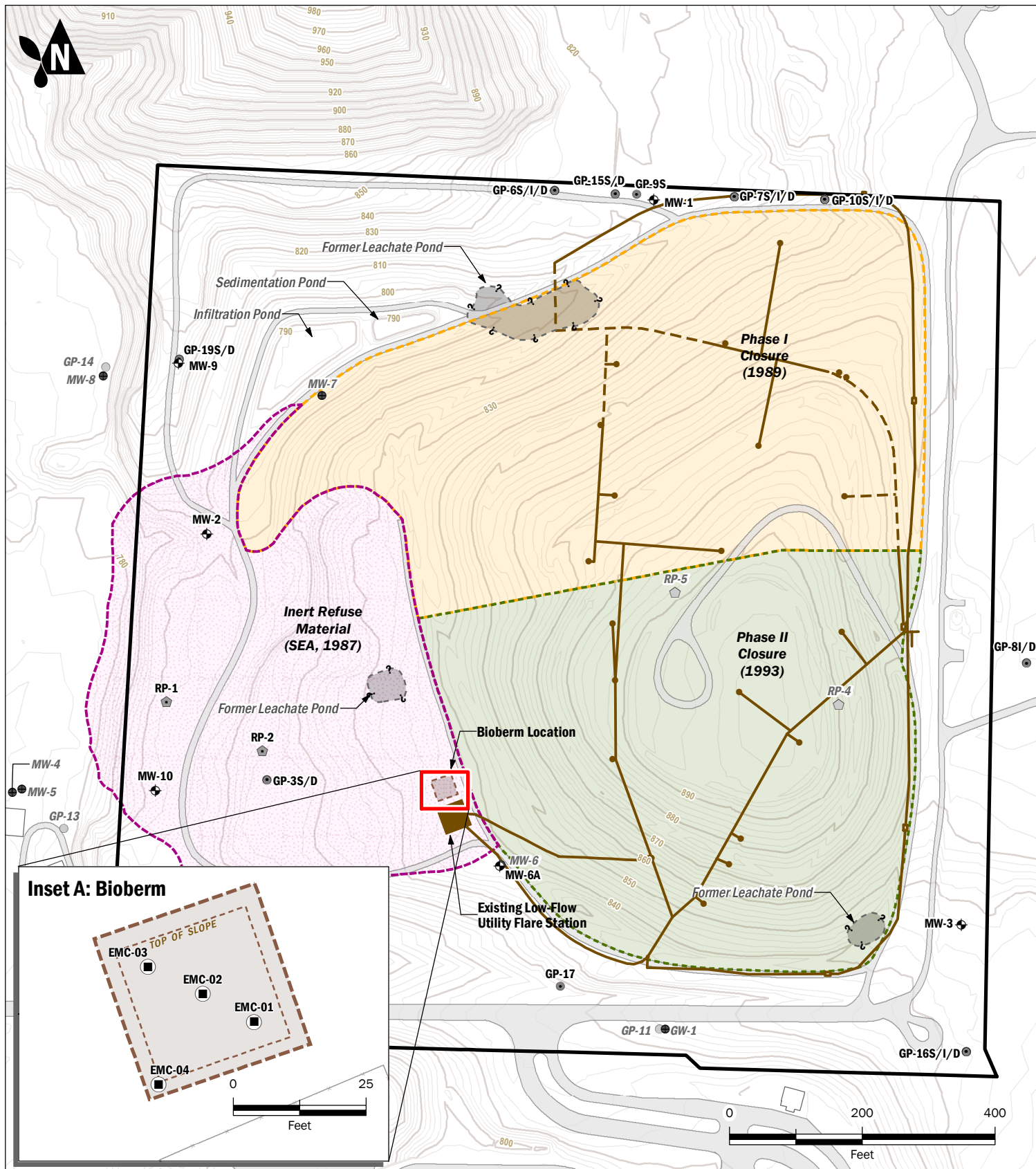


King County

AUG-2016

FIGURE NO.

1



- Gas Probe
- Monitoring Well
- Phase I Closure (1989)
- Phase II Closure (1993)
- Inert Refuse Material
- Refuse Probe
- Monitoring Well (Decommissioned)
- Existing Gas System (dashed where as-built unavailable)
- Former Leachate Pond Approximate Location
- Refuse Probe (Decommissioned)
- Gas Probe (Decommissioned)
- Enumclaw Landfill Property
- Building
- Road

Note: Topographic contours from King County survey dated May 18, 2016.

Enumclaw Monitoring Systems

Enumclaw Landfill

King County, Washington



FIGURE NO.

2

Table 1
Enumclaw Landfill Groundwater Monitoring Well Completion Details

Well Number	Date Completed	Installed By	Top of PVC Casing Elevation (feet) ^a	Well Casing and Screen ¹	Well Dia. (inches)	Screen slot (inches)	Top of Screen Elevation ^a	Bottom of Screen Elevation ^a	Top of Seal Elevation ^a	Bottom of Seal Elevation ^a	Seal Type	Top of Sand Pack (feet elev.) ^a	Bottom of Sand Pack (feet elev.) ^a	Sand Type
MW-1	8/24/1983	Sweet Edwards	822.04	PVC	3	0.010	746.00	736.00	821.00	750.00	Bentonite	750.00	736.00	Gravel
MW-2	8/25/1983	Sweet Edwards	800.63	PVC	3	0.010	747.89	737.89	798.89	749.89	Bentonite	749.89	737.89	Sand
MW-3	8/26/1983	Sweet Edwards	849.16	PVC	3	0.010	756.00	741.00	848.00	760.00	Bentonite	760.00	741.00	Sand
MW-6A	7/9/1993	Hayes Drilling	843.13	PVC	2	0.010	742.00	732.00	840.00	744.00	Bentonite	744.00	729.00	10/20 Gravel
MW-9	9/30/1999	Associated Earth Sci.	829.70	SCH 40 PVC	2	0.010	747.58	737.58	825.58	752.58	Bentonite	752.58	737.58	10x20 Colorado silica sand
MW-10	10/26/1999	Associated Earth Sci.	803.76	SCH 40 PVC	2	0.010	746.25	736.25	799.25	748.25	Bentonite	748.25	735.75	10x20 Colorado silica sand
^a All survey data in feet are relative to site NAVD88 datum.														
¹ PVC type unspecified on well logs, unless otherwise noted.														

Enumclaw Landfill
Table 2. Summary of Statistical Analysis for Groundwater Samples

Well Location Time Interval	Monitoring Wells											
	MW-1		MW-2		MW-3		MW-6A		MW-9		MW-10	
	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short
pH (Field), pH Units												
No. of Analyses	145	8	142	8	130	8	109	8	103	8	87	8
No. of Detections	145	8	142	8	130	8	109	8	103	8	87	8
Minimum	5.76	5.96	5.46	5.66	5.82	5.84	6.06	6.1	5.48	5.79	5.35	6.09
Maximum	7.97	7.37	7.55	6.95	8.27	6.45	8.35	6.51	6.96	6.96	6.81	6.47
Mean	6.670	6.715	6.378	6.058	6.658	6.175	6.658	6.369	6.220	6.095	6.323	6.245
Standard Deviation	0.415	0.516	0.374	0.431	0.373	0.248	0.342	0.135	0.291	0.382	0.212	0.155
Median	6.640	6.850	6.390	5.940	6.655	6.225	6.650	6.380	6.220	6.010	6.320	6.200
Specific Conductance, umhos/cm												
No. of Analyses	138	8	136	8	135	8	112	8	87	8	87	8
No. of Detections	138	8	136	8	135	8	112	8	87	8	87	8
Minimum	1.6	111	56	68.2	35	74.4	65	78.6	45.2	70.4	107	133
Maximum	2300	252	690	175	900	88.7	101	93.5	400	163	370	271
Mean	244.250	196.000	148.371	95.950	91.357	84.188	87.641	87.213	117.071	105.500	190.402	174.500
Standard Deviation	278.546	50.259	118.789	36.413	71.149	4.502	7.353	5.254	53.024	39.783	61.501	46.059
Median	163.500	188.000	97.500	81.250	85.000	85.550	88.000	85.950	110.000	83.700	180.000	160.000
Total Dissolved Solids, mg/L												
No. of Analyses	126	8	125	8	124	8	112	8	87	8	87	8
No. of Detections	126	8	125	8	124	8	111	8	87	8	87	8
Minimum	2.5	78.7	29	38	5	45.3	33	51.3	39	52.7	74	94.7
Maximum	420	160	390	139	130	66.7	100	69.3	1100	114	240	183
Mean	117.582	124.338	92.493	73.050	62.123	61.500	61.888	64.562	104.860	81.562	129.409	119.088
Standard Deviation	57.599	26.969	57.774	30.542	14.505	7.109	12.557	6.386	114.137	22.347	37.440	29.927
Median	110.000	120.000	74.000	64.300	62.700	64.000	62.750	68.250	83.100	75.350	120.000	110.000
Total Organic Carbon, mg/L												
No. of Analyses	139	8	137	8	136	8	112	8	87	8	87	8
No. of Detections	53	3	43	1	30	2	16	2	57	5	23	3
Minimum	0.54	0.54	0.53	0.53	0.52	0.52	0.57	0.57	0.53	0.67	0.56	0.56
Maximum	56	1.1	49	0.53	22	0.69	2.6	0.61	2.27	1.73	2.42	0.74
Mean	3.422	0.431	2.200	ID	1.073	ID	0.588	ID	1.150	0.828	0.638	0.396
Standard Deviation	8.918	0.302	6.002	ID	2.277	ID	0.373	ID	0.606	0.572	0.381	0.208
Median	0.500	0.250	0.500	ID	0.500	ID	0.500	ID	1.210	0.770	0.500	0.250
Alkalinity, Total (as CaCO3), mg/L												
No. of Analyses	122	8	122	8	107	8	105	8	101	8	87	8
No. of Detections	122	8	122	8	107	8	105	8	101	8	87	8
Minimum	28	55.9	21.8	26.2	14	32.7	29.2	33.8	17.5	24.6	36	50
Maximum	355	124	213	46.4	70	37.1	42	39.3	96	72.1	110	108
Mean	77.670	87.025	39.848	35.025	33.715	34.375	35.490	36.388	43.950	36.775	59.864	65.388
Standard Deviation	41.966	25.007	26.538	8.453	4.980	1.495	2.513	1.881	14.523	15.201	16.487	18.859
Median	68.150	85.900	33.350	31.050	33.300	33.800	35.600	36.650	42.600	33.100	55.400	59.300
Ammonia as N, mg/L												
No. of Analyses	139	8	136	8	135	8	111	8	87	8	87	8
No. of Detections	135	8	103	0	16	0	17	0	13	0	10	1
Minimum	0.0023	0.0023	0.0022	ND	0.01	ND	0.01	ND	0.0022	ND	0.0038	0.0038
Maximum	7	0.138	1	ND	0.37	ND	0.088	ND	0.23	ND	0.28	0.0038
Mean	0.427	0.052	0.140	ID	0.016	ID	0.011	ID	0.016	ID	0.014	ID
Standard Deviation	0.898	0.049	0.214	ID	0.037	ID	0.015	ID	0.034	ID	0.033	ID
Median	0.210	0.045	0.059	ID	0.005	ID	0.005	ID	0.005	ID	0.005	ID
Chloride, mg/L												
No. of Analyses	150	8	147	8	132	8	112	8	102	8	87	8
No. of Detections	149	8	147	8	129	8	110	8	95	8	87	8
Minimum	1.35	1.36	1	1.23	1	1.17	1	1.2	0.074	0.074	1.35	1.73
Maximum	150	2.18	66	6.65	7.85	1.45	15.1	1.86	18	1.48	13	4.51
Mean	5.929	1.655	4.975	2.058	1.489	1.315	1.614	1.436	2.507	1.004	2.674	2.354
Standard Deviation	16.513	0.271	8.439	1.861	0.894	0.091	1.541	0.235	3.026	0.551	1.562	0.931
Median	2.000	1.630	2.000	1.420	1.400	1.305	1.400	1.385	1.550	1.235	2.150	1.985
Nitrate as N, mg/L												
No. of Analyses	139	8	137	8	136	8	112	8	87	8	87	8
No. of Detections	83	7	85	8	135	8	112	8	83	8	87	8
Minimum	0.012	0.023	0.01	0.0967	0.1	0.822	0.151	0.537	0.0411	0.0912	0.4	1.16
Maximum	1.7	0.56	6.25	6.25	1.6	1.36	1.5	1.02	22	0.938	8.4	2.48
Mean	0.167	0.274	0.298	1.340	0.888	0.981	0.861	0.851	0.945	0.525	2.417	1.823
Standard Deviation	0.242	0.232	0.729	2.092	0.262	0.182	0.225	0.171	2.566	0.304	1.302	0.548
Median	0.050	0.299	0.070	0.568	0.881	0.920	0.880	0.908	0.300	0.525	2.240	1.980

Enumclaw Landfill

Table 2. Summary of Statistical Analysis for Groundwater Samples

Well Location Time Interval		Monitoring Wells											
		MW-1		MW-2		MW-3		MW-6A		MW-9		MW-10	
		Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short
Sulfate, mg/L													
	No. of Analyses	135	8	133	8	132	8	112	8	87	8	86	8
	No. of Detections	134	8	133	8	130	8	109	8	87	8	86	8
	Minimum	2	3.75	2.4	2.47	1.69	1.74	1	1.75	0.752	1.46	3.77	3.77
	Maximum	26	6.52	52	11.7	11	2.16	6	2.29	26	7.02	64	26.1
	Mean	7.091	5.385	6.767	4.620	2.804	1.955	2.692	2.051	5.456	4.355	20.679	11.199
	Standard Deviation	3.892	1.112	6.159	3.131	1.191	0.166	0.854	0.153	4.568	2.212	13.924	7.642
	Median	5.900	5.910	5.000	3.595	2.455	1.960	2.445	2.070	4.300	4.355	16.750	9.740
Arsenic, Total, µg/L													
	No. of Analyses	7	7	6	6	7	7	3	3	6	6	3	3
	No. of Detections	7	7	6	6	6	6	3	3	6	6	3	3
	Minimum	1.68	1.68	0.14	0.14	0.178	0.178	0.143	0.143	0.112	0.112	0.105	0.105
	Maximum	25	25	0.199	0.199	0.208	0.208	0.174	0.174	0.19	0.19	0.138	0.138
	Mean	7.520	7.520	0.170	0.170	0.234	0.234	0.162	0.162	0.149	0.149	0.121	0.121
	Standard Deviation	8.340	8.340	0.021	0.021	0.118	0.118	0.017	0.017	0.026	0.026	0.017	0.017
	Median	4.370	4.370	0.170	0.170	0.190	0.190	0.169	0.169	0.152	0.152	0.120	0.120
Arsenic, Dissolved, µg/L													
	No. of Analyses	136	8	134	8	131	8	108	8	84	8	83	8
	No. of Detections	132	8	122	8	18	8	14	8	15	8	14	8
	Minimum	0.885	1.44	0.111	0.111	0.168	0.168	0.161	0.162	0.126	0.126	0.113	0.117
	Maximum	260	13.2	31	0.169	5	0.196	0.193	0.193	0.193	0.193	0.151	0.151
	Mean	13.349	5.128	10.480	0.133	0.672	0.182	0.458	0.176	0.438	0.151	0.437	0.132
	Standard Deviation	23.869	4.245	8.770	0.021	0.739	0.009	0.110	0.013	0.135	0.023	0.140	0.014
	Median	7.990	3.750	9.000	0.128	0.500	0.181	0.500	0.176	0.500	0.147	0.500	0.128
Calcium, Dissolved, mg/L													
	No. of Analyses	129	8	130	8	114	8	111	8	100	8	86	8
	No. of Detections	129	8	130	8	114	8	111	8	100	8	86	8
	Minimum	6.2	12.1	4.41	6.4	6.4	8.09	6.9	8.27	3.83	5.56	8.8	15.4
	Maximum	32.9	30.7	67	17.2	13	9.49	12	10	33.7	17.4	48	35.2
	Mean	17.642	21.688	10.341	9.571	8.730	8.901	9.067	9.354	11.525	8.735	21.043	20.750
	Standard Deviation	6.291	6.388	7.914	3.903	1.112	0.473	1.013	0.528	5.749	3.656	8.643	6.731
	Median	16.000	22.100	7.630	7.380	8.565	9.010	8.940	9.485	10.000	8.105	19.100	18.450
Iron, Total, mg/L													
	No. of Analyses	7	7	6	6	7	7	3	3	6	6	3	3
	No. of Detections	7	7	5	5	0	0	0	0	1	1	0	0
	Minimum	0.0115	0.0115	0.0214	0.0214	ND	ND	ND	ND	0.0111	0.0111	ND	ND
	Maximum	1.66	1.66	0.0509	0.0509	ND	ND	ND	ND	0.0111	0.0111	ND	ND
	Mean	0.305	0.305	0.027	0.027	ID	ID	ID	ID	ID	ID	ID	ID
	Standard Deviation	0.602	0.602	0.015	0.015	ID	ID	ID	ID	ID	ID	ID	ID
	Median	0.066	0.066	0.025	0.025	ID	ID	ID	ID	ID	ID	ID	ID
Iron, Dissolved, mg/L													
	No. of Analyses	135	8	133	8	130	8	111	8	87	8	86	8
	No. of Detections	131	5	122	2	53	0	49	0	40	0	36	0
	Minimum	0.0178	0.0357	0.0113	0.0115	0.005	ND	0.007	ND	0.01	ND	0.015	ND
	Maximum	25	0.262	16	0.0185	0.28	ND	0.32	ND	0.51	ND	0.28	ND
	Mean	1.435	0.094	2.806	ID	0.022	ID	0.025	ID	0.033	ID	0.035	ID
	Standard Deviation	3.091	0.105	2.583	ID	0.035	ID	0.044	ID	0.061	ID	0.049	ID
	Median	0.490	0.047	2.600	ID	0.005	ID	0.005	ID	0.005	ID	0.005	ID
Magnesium, Dissolved, mg/L													
	No. of Analyses	129	8	130	8	114	8	111	8	100	8	86	8
	No. of Detections	129	8	130	8	114	8	111	8	100	8	86	8
	Minimum	1.7	3.73	1.3	2.43	1.9	2.4	2.02	2.5	1.17	2.01	3	4.15
	Maximum	9.03	7.82	12	6.55	4.8	2.88	3.4	2.95	8.4	6.54	9.9	7.41
	Mean	4.789	5.779	2.830	3.540	2.477	2.645	2.491	2.737	3.340	3.079	5.031	5.155
	Standard Deviation	1.707	1.521	1.550	1.480	0.349	0.145	0.267	0.178	1.569	1.442	1.446	1.034
	Median	4.300	5.800	2.300	2.725	2.435	2.635	2.470	2.745	3.000	2.720	4.825	4.890
Manganese, Total, µg/L													
	No. of Analyses	7	7	6	6	7	7	3	3	6	6	3	3
	No. of Detections	7	7	6	6	1	1	0	0	6	6	1	1
	Minimum	25.8	25.8	2.59	2.59	0.149	0.149	ND	ND	0.477	0.477	0.104	0.104
	Maximum	3200	3200	28.2	28.2	0.149	0.149	ND	ND	0.772	0.772	0.104	0.104
	Mean	761.671	761.671	13.978	13.978	ID	ID	ID	ID	0.674	0.674	ID	ID
	Standard Deviation	1114.550	1114.550	10.234	10.234	ID	ID	ID	ID	0.122	0.122	ID	ID
	Median	602.000	602.000	10.210	10.210	ID	ID	ID	ID	0.738	0.738	ID	ID

Enumclaw Landfill
Table 2. Summary of Statistical Analysis for Groundwater Samples

Well Location Time Interval	Monitoring Wells											
	MW-1		MW-2		MW-3		MW-6A		MW-9		MW-10	
	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short
Manganese, Dissolved, µg/L												
No. of Analyses	141	8	139	8	137	8	111	8	87	8	86	8
No. of Detections	139	8	139	8	11	0	5	0	77	8	4	0
Minimum	60.5	60.5	1.7	1.7	0.482	ND	0.144	ND	0.224	0.224	1.3	ND
Maximum	54800	787	9900	22	75	ND	4	ND	210	0.736	5	ND
Mean	3448.613	423.688	1815.854	7.196	2.437	ID	0.486	ID	25.486	0.571	0.519	ID
Standard Deviation	6475.655	288.386	1966.407	6.540	7.938	ID	0.408	ID	37.927	0.176	0.621	ID
Median	1800.000	449.500	1100.000	6.575	0.500	ID	0.500	ID	11.000	0.603	0.500	ID
Potassium, Dissolved, mg/L												
No. of Analyses	114	8	115	8	114	8	111	8	85	8	86	8
No. of Detections	114	8	114	8	111	8	110	8	85	8	86	8
Minimum	0.895	1.28	0.65	0.871	0.4	0.58	0.5	0.614	0.38	0.781	0.82	1.31
Maximum	3	2.01	2.3	1.37	1.4	0.709	1.2	0.71	1.6	1.25	7.75	6.38
Mean	1.556	1.633	1.027	1.110	0.634	0.658	0.639	0.654	0.854	0.959	2.614	2.531
Standard Deviation	0.395	0.270	0.374	0.172	0.134	0.048	0.104	0.031	0.241	0.173	1.542	1.675
Median	1.505	1.560	0.910	1.085	0.637	0.669	0.633	0.657	0.814	0.934	2.085	2.195
Sodium, Dissolved, mg/L												
No. of Analyses	114	8	115	8	114	8	111	8	85	8	86	8
No. of Detections	114	8	115	8	114	8	111	8	85	8	86	8
Minimum	3.8	6.7	2.3	3.85	2.6	3.41	2.7	3.64	2.46	3.8	2.9	4.46
Maximum	13	12.2	13	6.32	4.5	4.11	5.7	4.15	7.8	6.13	14	8.3
Mean	7.127	8.839	4.636	4.713	3.595	3.783	3.747	3.934	4.074	4.865	6.060	5.584
Standard Deviation	2.023	2.333	1.752	0.794	0.321	0.197	0.391	0.165	0.961	0.819	2.142	1.255
Median	6.450	7.695	4.280	4.425	3.600	3.790	3.700	3.965	3.950	4.910	5.400	5.100
Zinc, Total, mg/L												
No. of Analyses	4	4	3	3	7	7	3	3	3	3	3	3
No. of Detections	1	1	0	0	1	1	0	0	1	1	0	0
Minimum	0.005	0.005	ND	ND	0.000538	0.000538	ND	ND	0.000731	0.000731	ND	ND
Maximum	0.005	0.005	ND	ND	0.000538	0.000538	ND	ND	0.000731	0.000731	ND	ND
Mean	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Standard Deviation	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Median	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Zinc, Dissolved, mg/L												
No. of Analyses	123	8	121	8	119	8	100	8	75	8	75	8
No. of Detections	17	2	12	0	21	2	11	0	4	2	7	1
Minimum	0.000826	0.000826	0.002	ND	0.000537	0.000537	0.0048	ND	0.00052	0.00052	0.000582	0.000582
Maximum	0.086	0.000973	0.1	ND	0.068	0.00158	0.021	ND	0.086	0.000873	0.08	0.000582
Mean	0.005	ID	0.004	ID	0.004	ID	0.003	ID	0.003	ID	0.003	ID
Standard Deviation	0.010	ID	0.010	ID	0.008	ID	0.003	ID	0.010	ID	0.009	ID
Median	0.002	ID	0.002	ID	0.002	ID	0.002	ID	0.002	ID	0.002	ID
Benzene, µg/L												
No. of Analyses	129	8	123	8	120	8	100	8	76	8	75	8
No. of Detections	10	0	0	0	0	0	0	0	0	0	0	0
Minimum	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mean	0.441	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Standard Deviation	1.587	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Median	0.100	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Chlorobenzene, µg/L												
No. of Analyses	129	8	123	8	120	8	100	8	76	8	75	8
No. of Detections	0	0	0	0	0	0	0	0	0	0	0	0
Minimum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Maximum	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mean	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Standard Deviation	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Median	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Cis-1,2-Dichloroethene, µg/L												
No. of Analyses	114	8	113	8	112	8	100	8	76	8	75	8
No. of Detections	3	0	32	0	0	0	0	0	3	0	0	0
Minimum	0.24	ND	0.2	ND	ND	ND	ND	ND	0.2	ND	ND	ND
Maximum	0.27	ND	1	ND	ND	ND	ND	ND	0.23	ND	ND	ND
Mean	0.134	ID	0.220	ID	ID	ID	ID	ID	0.101	ID	ID	ID
Standard Deviation	0.111	ID	0.198	ID	ID	ID	ID	ID	0.026	ID	ID	ID
Median	0.100	ID	0.100	ID	ID	ID	ID	ID	0.100	ID	ID	ID

Enumclaw Landfill
Table 2. Summary of Statistical Analysis for Groundwater Samples

Well Location Time Interval	Monitoring Wells											
	MW-1		MW-2		MW-3		MW-6A		MW-9		MW-10	
	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short
Dichlorodifluoromethane, µg/L												
No. of Analyses	72	8	72	8	71	8	72	8	55	8	54	8
No. of Detections	15	0	35	2	0	0	0	0	7	0	7	0
Minimum	0.21	ND	0.11	0.11	ND	ND	ND	ND	0.23	ND	0.21	ND
Maximum	1.1	ND	1.5	0.141	ND	ND	ND	ND	0.44	ND	0.47	ND
Mean	0.171	ID	0.362	ID	ID	ID	ID	ID	0.122	ID	0.123	ID
Standard Deviation	0.189	ID	0.369	ID	ID	ID	ID	ID	0.089	ID	0.092	ID
Median	0.100	ID	0.100	ID	ID	ID	ID	ID	0.100	ID	0.100	ID
Vinyl Chloride, µg/L												
No. of Analyses	140	8	136	8	132	8	112	8	88	8	87	8
No. of Detections	33	4	6	0	0	0	0	0	1	0	0	0
Minimum	0.0111	0.0111	0.02	ND	ND	ND	ND	ND	0.04	ND	ND	ND
Maximum	0.2	0.0311	0.11	ND	ND	ND	ND	ND	0.04	ND	ND	ND
Mean	0.205	0.012	0.148	ID	ID	ID	ID	ID	ID	ID	ID	ID
Standard Deviation	0.444	0.010	0.365	ID	ID	ID	ID	ID	ID	ID	ID	ID
Median	0.010	0.008	0.010	ID	ID	ID	ID	ID	ID	ID	ID	ID

Notes:

Short: Most recent 8 samples.

Long: Most recent 50 samples.

ID: Insufficient Data (fewer than 3 samples).

ND: Not detected at laboratory MDL (Method Detection Limit).

Enumclaw Landfill
Table 3. Summary of Trend Analyses for Groundwater Samples

Well Location Time Interval		Monitoring Wells											
		MW-1		MW-2		MW-3		MW-6A		MW-9		MW-10	
		Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short
pH (Field), pH Units													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	50	8	50	8	50	8	50	8	50	8	50	8
	Trend	--	--	--	--	--	--	--	--	D	--	--	--
	S-value	101	-5	-188	-2	-94	4	94	5	-302	-12	31	10
	Probability	0.403	0.618	0.118	0.902	0.436	0.711	0.436	0.618	0.012	0.174	0.802	0.266
	Significant	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	NO
Specific Conductance, umhos/cm													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	50	8	50	8	50	8	50	8	50	8	50	8
	Trend	I	--	--	--	--	--	--	--	--	--	--	--
	S-value	367	2	36	6	-34	2	-92	-8	-14	4	-214	-8
	Probability	0.002	0.902	0.770	0.536	0.782	0.902	0.446	0.386	0.913	0.711	0.075	0.386
	Significant	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total Dissolved Solids, mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	50	8	50	8	50	8	50	8	50	8	50	8
	Trend	I	--	--	--	--	--	--	--	--	--	--	--
	S-value	317	2	37	0	101	8	90	3	38	4	-194	-8
	Probability	0.008	0.902	0.763	1.000	0.402	0.379	0.456	0.803	0.757	0.711	0.106	0.386
	Significant	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Total Organic Carbon, mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	14	3	10	1	7	2	5	2	38	5	21	3
	Trend ^a	D	--	D	ID	D	ID	D	ID	D	--	D	--
	S-value	-345	6	-479	ID	-259	ID	-445	ID	-384	8	-471	10
	Probability	0.002	0.474	0.000	ID	0.012	ID	0.000	ID	0.001	0.369	0.000	0.197
	Significant	YES	NO	YES	ID	YES	ID	YES	ID	YES	NO	YES	NO
Alkalinity, Total (as CaCO3), mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	50	8	50	8	50	8	50	8	50	8	50	8
	Trend	I	--	I	--	--	--	--	--	--	--	--	--
	S-value	402	4	293	10	-119	14	-44	2	-79	14	-16	-2
	Probability	0.001	0.711	0.015	0.266	0.324	0.108	0.719	0.902	0.514	0.108	0.900	0.902
	Significant	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
Ammonia as N, mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	49	8	31	0	5	0	5	0	2	0	2	1
	Trend	D	--	D	ID	D	ID	D	ID	ID	ID	ID	ID
	S-value	-569	0	-947	ID	-530	ID	-575	ID	ID	ID	ID	ID
	Probability	0.000	1.000	0.000	ID	0.000	ID	0.000	ID	ID	ID	ID	ID
	Significant	YES	NO	YES	ID	YES	ID	YES	ID	ID	ID	ID	ID
Chloride, mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	50	8	50	8	50	8	50	8	50	8	50	8
	Trend	D	--	--	--	D	--	D	--	--	--	D	--
	S-value	-315	10	-228	-13	-480	8	-431	0	-149	-6	-350	-6
	Probability	0.009	0.266	0.058	0.135	0.000	0.379	0.000	1.000	0.216	0.536	0.004	0.536
	Significant	YES	NO	NO	NO	YES	NO	YES	NO	NO	NO	YES	NO
Nitrate as N, mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	47	7	50	8	50	8	50	8	50	8	50	8
	Trend ^a	--	--	I	--	--	--	--	--	--	--	--	D
	S-value	44	10	354	4	36	-14	-32	-8	153	-10	-124	-18
	Probability	0.719	0.266	0.003	0.711	0.770	0.108	0.795	0.386	0.204	0.266	0.303	0.035
	Significant	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	YES
Sulfate, mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	50	8	50	8	50	8	50	8	50	8	50	8
	Trend	--	--	--	--	D	--	D	--	--	--	D	--
	S-value	-149	2	-197	4	-471	6	-462	-11	-24	-6	-318	0
	Probability	0.216	0.902	0.101	0.711	0.000	0.536	0.000	0.212	0.847	0.536	0.008	1.000
	Significant	NO	NO	NO	NO	YES	NO	YES	NO	NO	NO	YES	NO

Table 3. Summary of Trend Analyses for Groundwater Samples

Well Location Time Interval		Monitoring Wells											
		MW-1		MW-2		MW-3		MW-6A		MW-9		MW-10	
		Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short
Arsenic, Total, µg/L													
	No. of Analyses	7	7	6	6	7	7	3	3	6	6	3	3
	No. of Detections	7	7	6	6	6	6	3	3	6	6	3	3
	Trend	--	--	--	--	--	--	--	--	--	--	--	--
	S-value	-5	-5	-1	-1	-1	-1	-1	-1	-7	-7	1	1
	Probability	0.548	0.548	1.000	1.000	1.000	1.000	1.000	1.000	0.260	0.260	1.000	1.000
	Significant	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Arsenic, Dissolved, µg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	48	8	38	8	14	8	14	8	15	8	14	8
	Trend	--	--	D	--	D	--	D	--	D	--	D	--
	S-value	-128	-4	-972	14	-513	5	-487	7	-511	12	-480	5
	Probability	0.288	0.711	0.000	0.108	0.000	0.618	0.000	0.454	0.000	0.174	0.000	0.618
	Significant	NO	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
Calcium, Dissolved, mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	50	8	50	8	50	8	50	8	50	8	50	8
	Trend	I	--	I	--	--	--	--	--	--	--	--	--
	S-value	458	4	410	4	218	8	198	2	-46	8	-106	-4
	Probability	0.000	0.711	0.001	0.711	0.069	0.386	0.099	0.902	0.707	0.386	0.380	0.711
	Significant	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
Iron, Total, mg/L													
	No. of Analyses	7	7	6	6	7	7	3	3	6	6	3	3
	No. of Detections	7	7	5	5	0	0	0	0	1	1	0	0
	Trend	--	--	--	--	ID	ID	ID	ID	ID	ID	ID	ID
	S-value	-11	-11	-5	-5	ID	ID	ID	ID	ID	ID	ID	ID
	Probability	0.133	0.133	0.452	0.452	ID	ID	ID	ID	ID	ID	ID	ID
	Significant	NO	NO	NO	NO	ID	ID	ID	ID	ID	ID	ID	ID
Iron, Dissolved, mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	47	5	39	2	1	0	1	0	3	0	1	0
	Trend	D	--	D	ID	ID	ID	ID	ID	--	ID	ID	ID
	S-value	-730	-3	-955	ID	ID	ID	ID	ID	-62	ID	ID	ID
	Probability	0.000	0.799	0.000	ID	ID	ID	ID	ID	0.213	ID	ID	ID
	Significant	YES	NO	YES	ID	ID	ID	ID	ID	NO	ID	ID	ID
Magnesium, Dissolved, mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	50	8	50	8	50	8	50	8	50	8	50	8
	Trend	I	--	I	--	I	--	I	--	--	--	--	--
	S-value	468	4	491	6	353	0	337	-2	91	6	-103	-12
	Probability	0.000	0.711	0.000	0.536	0.003	1.000	0.005	0.902	0.452	0.536	0.394	0.174
	Significant	YES	NO	YES	NO	YES	NO	YES	NO	NO	NO	NO	NO
Manganese, Total, µg/L													
	No. of Analyses	7	7	6	6	7	7	3	3	6	6	3	3
	No. of Detections	7	7	6	6	1	1	0	0	6	6	1	1
	Trend	--	--	--	--	ID	ID	ID	ID	--	--	ID	ID
	S-value	-7	-7	-9	-9	ID	ID	ID	ID	-5	-5	ID	ID
	Probability	0.368	0.368	0.133	0.133	ID	ID	ID	ID	0.452	0.452	ID	ID
	Significant	NO	NO	NO	NO	ID	ID	ID	ID	NO	NO	ID	ID
Manganese, Dissolved, µg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	50	8	50	8	1	0	1	0	41	8	0	0
	Trend	D	--	D	D	ID	ID	ID	ID	D	--	ID	ID
	S-value	-797	-6	-1050	-24	ID	ID	ID	ID	-668	4	ID	ID
	Probability	0.000	0.536	0.000	0.004	ID	ID	ID	ID	0.000	0.711	ID	ID
	Significant	YES	NO	YES	YES	ID	ID	ID	ID	YES	NO	ID	ID
Potassium, Dissolved, mg/L													
	No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
	No. of Detections	50	8	50	8	50	8	50	8	50	8	50	8
	Trend	--	--	I	--	I	--	--	--	--	--	--	--
	S-value	146	9	474	0	294	2	137	4	45	0	-131	0
	Probability	0.225	0.319	0.000	1.000	0.014	0.902	0.255	0.711	0.713	1.000	0.277	1.000
	Significant	NO	NO	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO

Enumclaw Closed Landfill

Table 3. Summary of Trend Analyses for Groundwater Samples

Well Location Time Interval	Monitoring Wells											
	MW-1		MW-2		MW-3		MW-6A		MW-9		MW-10	
	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short	Long	Short
Sodium, Dissolved, mg/L												
No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
No. of Detections	50	8	50	8	50	8	50	8	50	8	50	8
Trend	I	--	--	--	I	--	I	--	I	--	--	--
S-value	272	6	179	-6	431	0	362	-6	364	0	-159	-6
Probability	0.023	0.536	0.136	0.536	0.000	1.000	0.003	0.536	0.002	1.000	0.186	0.536
Significant	YES	NO	NO	NO	YES	NO	YES	NO	YES	NO	NO	NO
Zinc, Total, mg/L												
No. of Analyses	4	4	3	3	7	7	3	3	3	3	3	3
No. of Detections	1	1	0	0	1	1	0	0	1	1	0	0
Trend	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
S-value	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Probability	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Significant	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Zinc, Dissolved, mg/L												
No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
No. of Detections	4	2	1	0	4	2	3	0	3	2	4	1
Trend	D	ID	ID	ID	D	ID	D	ID	D	ID	D	ID
S-value	-316	ID	ID	ID	-318	ID	-350	ID	-298	ID	-341	ID
Probability	0.000	ID	ID	ID	0.000	ID	0.000	ID	0.000	ID	0.000	ID
Significant	YES	ID	ID	ID	YES	ID	YES	ID	YES	ID	YES	ID
Benzene, µg/L												
No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
No. of Detections	0	0	0	0	0	0	0	0	0	0	0	0
Trend	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
S-value	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Probability	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Significant	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Chlorobenzene, µg/L												
No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
No. of Detections	0	0	0	0	0	0	0	0	0	0	0	0
Trend	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
S-value	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Probability	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Significant	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Cis-1,2-Dichloroethene, µg/L												
No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
No. of Detections	0	0	0	0	0	0	0	0	0	0	0	0
Trend	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
S-value	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Probability	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Significant	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Dichlorodifluoromethane, µg/L												
No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
No. of Detections	1	0	16	2	0	0	0	0	5	0	5	0
Trend ^a	ID	ID	D	ID	ID	ID	ID	ID	D	ID	D	ID
S-value	ID	ID	-491	ID	ID	ID	ID	ID	-512	ID	-507	ID
Probability	ID	ID	0.000	ID	ID	ID	ID	ID	0.000	ID	0.000	ID
Significant	ID	ID	YES	ID	ID	ID	ID	ID	YES	ID	YES	ID
Vinyl Chloride, µg/L												
No. of Analyses	50	8	50	8	50	8	50	8	50	8	50	8
No. of Detections	13	4	0	0	0	0	0	0	0	0	0	0
Trend	--	--	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
S-value	-55	-4	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Probability	0.617	0.690	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID
Significant	NO	NO	ID	ID	ID	ID	ID	ID	ID	ID	ID	ID

Notes:

Short: Most recent 8 samples.

Long: Most recent 50 samples.

D: Decreasing trend.

I: Increasing trend.

--: No significant trend.

ID: Insufficient Data (fewer than 3 samples).

Probability: Probability of seeing these observations given the null hypothesis of no trend (i.e. p-value).

Significant: YES if trend is significant (probability less than 0.05).

^a Trend analysis biased by changes in MDL over the long sample period for this analyte (only relevant if there are multiple non-detections).

APPENDIX A

Groundwater Data

Laboratory Qualifier Descriptions
Static Water Levels
Sampling Water Levels
Field Parameters
Conventional Parameters
Dissolved and Total Metals
Volatile Organic Compounds
VOC Trip Blanks

KING COUNTY SOLID WASTE DIVISION
QUALIFIER INFORMATION
(Effective 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)

Table A-1
Groundwater - Static Water Levels

Well	Measurement Date	Top of PVC Casing Elevation (ft MSL)	Groundwater Elevation (ft MSL)	Depth to Groundwater (feet)
MW-1	2023-12-04	822.04	757.01	65.03
MW-1	2024-05-29	822.04	765.73	56.31
MW-2	2023-12-04	800.63	750.08	50.55
MW-2	2024-05-29	800.63	753.88	46.75
MW-3	2023-12-04	849.16	757.56	91.60
MW-3	2024-05-29	849.16	766.31	82.85
MW-6A	2023-12-04	843.13	755.24	87.89
MW-6A	2024-05-29	843.13	762.54	80.59
MW-9	2023-12-04	829.70	748.77	80.93
MW-9	2024-05-29	829.70	753.21	76.49
MW-10	2023-12-04	803.76	751.45	52.31
MW-10	2024-05-29	803.76	756.61	47.15

Table A-2
Groundwater - Sampling Water Levels

Well	Measurement Date	Top of PVC Casing Elevation (feet)	Groundwater Elevation (feet above MSL)	Depth to Groundwater (feet)
MW-1	2023-12-04	822.03	757.03	65.01
MW-1	2024-05-29	822.04	765.73	56.31
MW-2	2023-12-04	800.63	750.08	50.55
MW-2	2024-05-29	800.63	753.88	46.75
MW-3	2023-12-04	849.16	757.56	91.60
MW-3	2024-03-19	849.16	768.56	80.60
MW-3	2024-05-29	849.16	766.31	82.85
MW-3	2024-08-12	849.16	762.66	86.50
MW-6A	2023-12-04	843.13	755.24	87.89
MW-6A	2024-05-29	843.13	762.54	80.59
MW-9	2023-12-04	829.70	748.79	80.91
MW-9	2024-05-29	829.70	753.01	76.69
MW-10	2023-12-04	803.76	751.45	52.31
MW-10	2024-05-29	803.76	756.61	47.15

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	Volume Purged, Field
			mg/L	mV	pH units	µmhos/cm	deg C	NTU	gal
MW-1	2023-12-04	WE1-231204-	0.47	17.6	7.37	237.7	9.946	0.72	3
MW-1	2024-05-29	WE1-240529-	1.46	197.4	5.96	168.4	9.627	0.28	2.25
MW-2	2023-12-04	WE2-231204-	1.48	338.8	5.74	70	9.838	0.69	3.75
MW-2	2024-05-29	WE2-240529-	4.73	305.9	5.93	80.2	9.461	0.38	2
MW-3	2023-12-04	WE3-231204-	9.45	359	6.45	82.6	9.38	0.45	4.5
MW-3	2024-03-19	WE3-240319-	9.92	438	5.92	84.3	9.908	0.24	3.5
MW-3	2024-05-29	WE3-240529-	10.09	235.4	6.39	74.8	10.036	0.44	2.25
MW-3	2024-08-12	WE3-240812-	10.25	367.7	6.37	79.1	10.056	0.54	2.5
MW-6A	2023-12-04	WE6A231204-	8.09	381.7	6.51	82.6	9.848	0.51	2.5
MW-6A	2024-05-29	WE6A240529-	8.09	223	6.48	84	10.814	0.38	2.25
MW-9	2023-12-04	WE9-231204-	5.13	409.6	5.81	79.4	9.848	0.82	3.25
MW-9	2024-05-29	WE9-240529-	4.26	364.2	5.85	150.7	8.964	0.64	2
MW-10	2023-12-04	WE10231204-	7.27	410.6	6.15	126.1	9.77	0.61	2.5
MW-10	2024-05-29	WE10240529-	7.87	233.1	6.47	146.5	10.365	0.41	2

Table A-4
Groundwater – Conventionals

Well	Sample Date	Sample ID	Alkalinity, Total (as CaCO ₃)	Ammonia	Chloride	Nitrate	Specific Conductance	Sulfate	Total Dissolved Solids
			mg/L	mg/L	mg/L	mg/L	µmhos/cm	mg/L	mg/L
MW-1	2023-12-04	WE1-231204-	124	0.0896	1.73	0.029 T	252	6.08	155
MW-1	2024-05-29	WE1-240529-	80.6	0.01 T	2.18	0.56	185	6.3	121
MW-2	2023-12-04	WE2-231204-	29.9	0.002 U	1.32	0.129	74.3	2.58	63.3
MW-2	2024-05-29	WE2-240529-	32.2	0.002 U	1.23	0.373	82.2	4.69	62.7
MW-2	2024-05-29	WE2-240529D	31.6	0.002 U	1.23	0.371	83	4.71	62.7
MW-3	2023-12-04	WE3-231204-	36	0.002 U	1.34	0.899	87.1	1.75	66
MW-3	2024-05-29	WE3-240529-	33.7	0.002 U	1.45	0.841	82.9	2.16	62.7
MW-6A	2023-12-04	WE6A231204-	36.9	0.002 U	1.38	0.7	86.7	1.75	68.7
MW-6A	2024-05-29	WE6A240529-	37.9	0.002 U	1.72	0.979	92.5	2.03	68
MW-9	2023-12-04	WE9-231204-	35.5	0.002 U	1.09	0.339	84.4	2.92	72.7
MW-9	2024-05-29	WE9-240529-	72.1	0.002 U	1.38	0.287	162	6.29	114
MW-10	2023-12-04	WE10231204-	53.8	0.002 U	1.79	1.22	133	4.35	95.3
MW-10	2024-05-29	WE10240529-	62.4	0.002 U	1.97	1.2	162	10.4	109

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-1	2023-12-04	WE1-231204-	0.5 U	156	0.5 U
MW-1	2024-05-29	WE1-240529-	1.1 T	121	0.5 U
MW-2	2023-12-04	WE2-231204-	0.5 U	58	0.5 U
MW-2	2024-05-29	WE2-240529-	0.53 T	67.3	0.5 U
MW-2	2024-05-29	WE2-240529D	0.56 T	67.3	0.5 U
MW-3	2023-12-04	WE3-231204-	0.5 U	70	0.53 U
MW-3	2024-05-29	WE3-240529-	0.69 T	62	0.5 U
MW-6A	2023-12-04	WE6A231204-	0.5 U	64.7	0.5 U
MW-6A	2024-05-29	WE6A240529-	0.61 T	71.3	0.5 U
MW-9	2023-12-04	WE9-231204-	0.67 T	74.7	0.5 U
MW-9	2024-05-29	WE9-240529-	1.3 T	113	0.5 U
MW-10	2023-12-04	WE10231204-	0.5 U	95.3	0.53 U
MW-10	2024-05-29	WE10240529-	0.62 T	113	1 U

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

Well	Sample Date	Sample ID	Arsenic, Total	Barium, Total	Cadmium, Total	Calcium, Dissolved	Chromium, Total	Copper, Total	Iron, Dissolved
			µg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-1	2023-12-04	WE1-231204-	8.41	0.00552	0.00005 U	30.7	0.0002 U	0.0002 U	0.0582
MW-1	2024-05-29	WE1-240529-	2.01	0.0051	0.00005 U	21.7	0.0002 U	0.000204	0.01 U
MW-2	2023-12-04	WE2-231204-	0.14	0.00152	0.00005 U	6.98	0.0002 U	0.0002 U	0.01 U
MW-2	2024-05-29	WE2-240529-	0.161	0.0019	0.00005 U	7.28	0.0002 U	0.0002 U	0.01 U
MW-2	2024-05-29	WE2-240529D	0.168	0.00185	0.00005 U	7.22	0.0002 U	0.0002 U	0.01 U
MW-3	2023-12-04	WE3-231204-	0.179	0.000922	0.00005 U	9.35	0.000276	0.0002 U	0.01 U
MW-3	2024-03-19	WE3-240319-	0.19	0.000958	0.00005 U	--	0.000356	0.0002 U	--
MW-3	2024-05-29	WE3-240529-	0.188	0.000874	0.00005 U	8.55	0.000302	0.0002 U	0.01 U
MW-3	2024-08-12	WE3-240812-	0.193	0.000853	0.00005 U	--	0.000301	0.0002 U	--
MW-6A	2023-12-04	WE6A231204-	0.143	0.000911	0.00005 U	9.49	0.000261	0.0002 U	0.01 U
MW-6A	2024-05-29	WE6A240529-	0.169	0.000996	0.00005 U	9.75	0.000416	0.0002 U	0.01 U
MW-9	2023-12-04	WE9-231204-	0.112	0.00184	0.00005 U	8.11	0.000222	0.000231	0.01 U
MW-9	2024-05-29	WE9-240529-	0.15	0.00356	0.00005 U	17.4	0.0002 U	0.000599	0.01 U
MW-10	2023-12-04	WE10231204-	0.105	0.00198	0.00005 U	15.4	0.000525	0.0002 U	0.01 U
MW-10	2024-05-29	WE10240529-	0.138	0.00255	0.00005 U	19.6	0.000426	0.0002 U	0.01 U

-- : Analyte not sampled.

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

Well	Sample Date	Sample ID	Iron, Total	Lead, Total	Magnesium, Dissolved	Manganese, Dissolved	Manganese, Total	Mercury, Total	Potassium, Dissolved
			mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
MW-1	2023-12-04	WE1-231204-	0.0665	0.0001 U	7.76	635	636	0.00005 U	2.01
MW-1	2024-05-29	WE1-240529-	0.0115	0.0001 U	6.27	60.5	72.9	0.00005 U	1.57
MW-2	2023-12-04	WE2-231204-	0.01 U	0.0001 U	2.55	2.38	2.59	0.00005 U	1.01
MW-2	2024-05-29	WE2-240529-	0.0232	0.0001 U	2.88	1.7	7.86	0.00005 U	1.12
MW-2	2024-05-29	WE2-240529D	0.023	0.0001 U	2.92	1.42	4.61	0.00005 U	1.13
MW-3	2023-12-04	WE3-231204-	0.01 U	0.0001 U	2.62	0.1 U	0.149	0.00005 U	0.689
MW-3	2024-03-19	WE3-240319-	0.01 U	0.0001 U	--	--	0.1 U	0.00005 DU	--
MW-3	2024-05-29	WE3-240529-	0.01 U	0.0001 U	2.64	0.1 U	0.1 U	0.00005 U	0.649
MW-3	2024-08-12	WE3-240812-	0.01 U	0.0001 U	--	--	0.1 U	0.00005 U	--
MW-6A	2023-12-04	WE6A231204-	0.01 U	0.0001 U	2.72	0.1 U	0.1 U	0.00005 U	0.667
MW-6A	2024-05-29	WE6A240529-	0.01 U	0.0001 U	2.95	0.1 U	0.1 U	0.00005 U	0.66
MW-9	2023-12-04	WE9-231204-	0.01 U	0.0001 U	2.79	0.73	0.734	0.00005 U	0.934
MW-9	2024-05-29	WE9-240529-	0.01 U	0.0001 U	6.54	0.51	0.566	0.00005 U	1.25
MW-10	2023-12-04	WE10231204-	0.01 U	0.0001 U	4.44	0.1 U	0.104	0.00005 U	1.36
MW-10	2024-05-29	WE10240529-	0.01 U	0.0001 U	4.6	0.1 U	0.1 U	0.00005 U	2.04

-- : Analyte not sampled.

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

Well	Sample Date	Sample ID	Selenium, Total	Silver, Total	Sodium, Dissolved	Zinc, Total
			mg/L	mg/L	mg/L	mg/L
MW-1	2023-12-04	WE1-231204-	0.0005 U	0.00004 U	12.2	0.0005 U
MW-1	2024-05-29	WE1-240529-	0.0005 U	0.00004 DU	7.07	0.0005 U
MW-2	2023-12-04	WE2-231204-	0.0005 U	0.00004 U	3.85	0.0005 U
MW-2	2024-05-29	WE2-240529-	0.0005 U	0.00004 DU	4.45	0.0005 U
MW-2	2024-05-29	WE2-240529D	0.0005 U	0.00004 DU	4.51	0.0005 U
MW-3	2023-12-04	WE3-231204-	0.0005 U	0.00004 U	3.86	0.0005 U
MW-3	2024-03-19	WE3-240319-	0.0005 U	0.00004 U	--	0.000538
MW-3	2024-05-29	WE3-240529-	0.0005 U	0.00004 DU	3.8	0.0005 U
MW-3	2024-08-12	WE3-240812-	0.0005 U	0.00004 U	--	0.0005 U
MW-6A	2023-12-04	WE6A231204-	0.0005 U	0.00004 U	4	0.0005 U
MW-6A	2024-05-29	WE6A240529-	0.0005 U	0.00004 DU	4.08	0.0005 U
MW-9	2023-12-04	WE9-231204-	0.0005 U	0.00004 U	4.72	0.0005 U
MW-9	2024-05-29	WE9-240529-	0.0005 U	0.00004 DU	5.44	0.0005 U
MW-10	2023-12-04	WE10231204-	0.0005 U	0.00004 U	4.79	0.0005 U
MW-10	2024-05-29	WE10240529-	0.0005 U	0.00004 DU	5.43	0.0005 U

-- : Analyte not sampled.

Table A-6
Groundwater – Volatile Organic Compounds

Well	Sample Date	Sample ID	Vinyl Chloride
			µg/L
MW-1	2023-12-04	WE1-231204-	0.0189 DJT
MW-1	2024-05-29	WE1-240529-	0.01 DU
MW-2	2023-12-04	WE2-231204-	0.01 DU
MW-2	2024-05-29	WE2-240529-	0.01 DU
MW-2	2024-05-29	WE2-240529D	0.01 DU
MW-3	2023-12-04	WE3-231204-	0.01 DU
MW-3	2024-05-29	WE3-240529-	0.01 DU
MW-6A	2023-12-04	WE6A231204-	0.01 DU
MW-6A	2024-05-29	WE6A240529-	0.01 DU
MW-9	2023-12-04	WE9-231204-	0.01 DU
MW-9	2024-05-29	WE9-240529-	0.01 DU
MW-10	2023-12-04	WE10231204-	0.01 DU
MW-10	2024-05-29	WE10240529-	0.01 DU
VOA TRIP BLANK	2023-11-27	VTRP231204X	0.01 DU
VOA TRIP BLANK	2023-11-27	VTRP231204Y	0.01 DU
VOA TRIP BLANK	2024-05-28	VTRP240529X	0.01 DU
VOA TRIP BLANK	2024-05-28	VTRP240529Z	0.01 DU

APPENDIX B

Time Concentration Plots

Groundwater Elevations
Field Parameters [pH, Conductance]
Conventional Parameters
Dissolved and Total Metals
Volatile Organic Compounds

Figure B-1: Enumclaw Landfill
Vashon Outwash Aquifer Groundwater Elevations

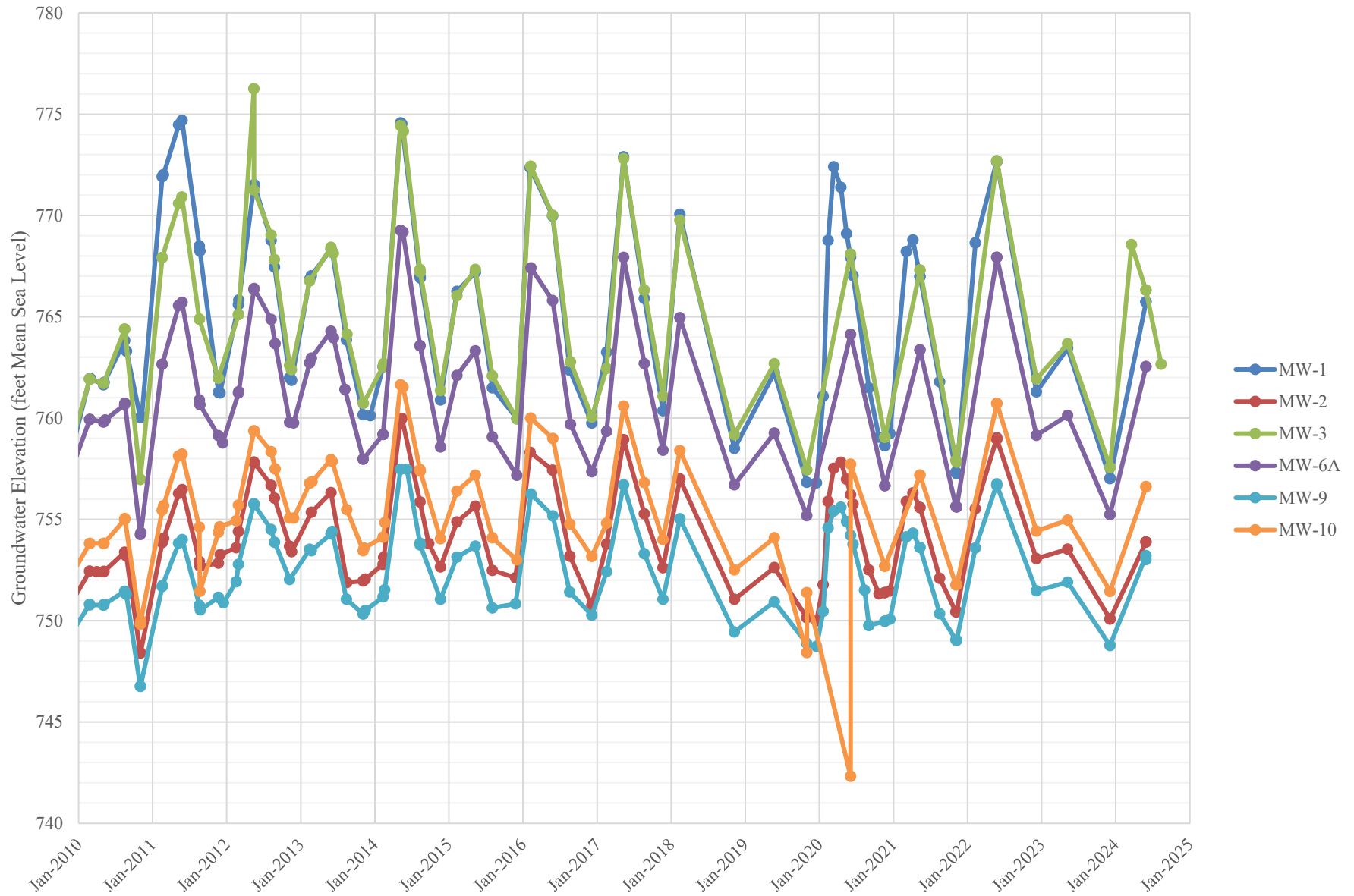


Figure B-2A
Alkalinity, Total (as CaCO3)

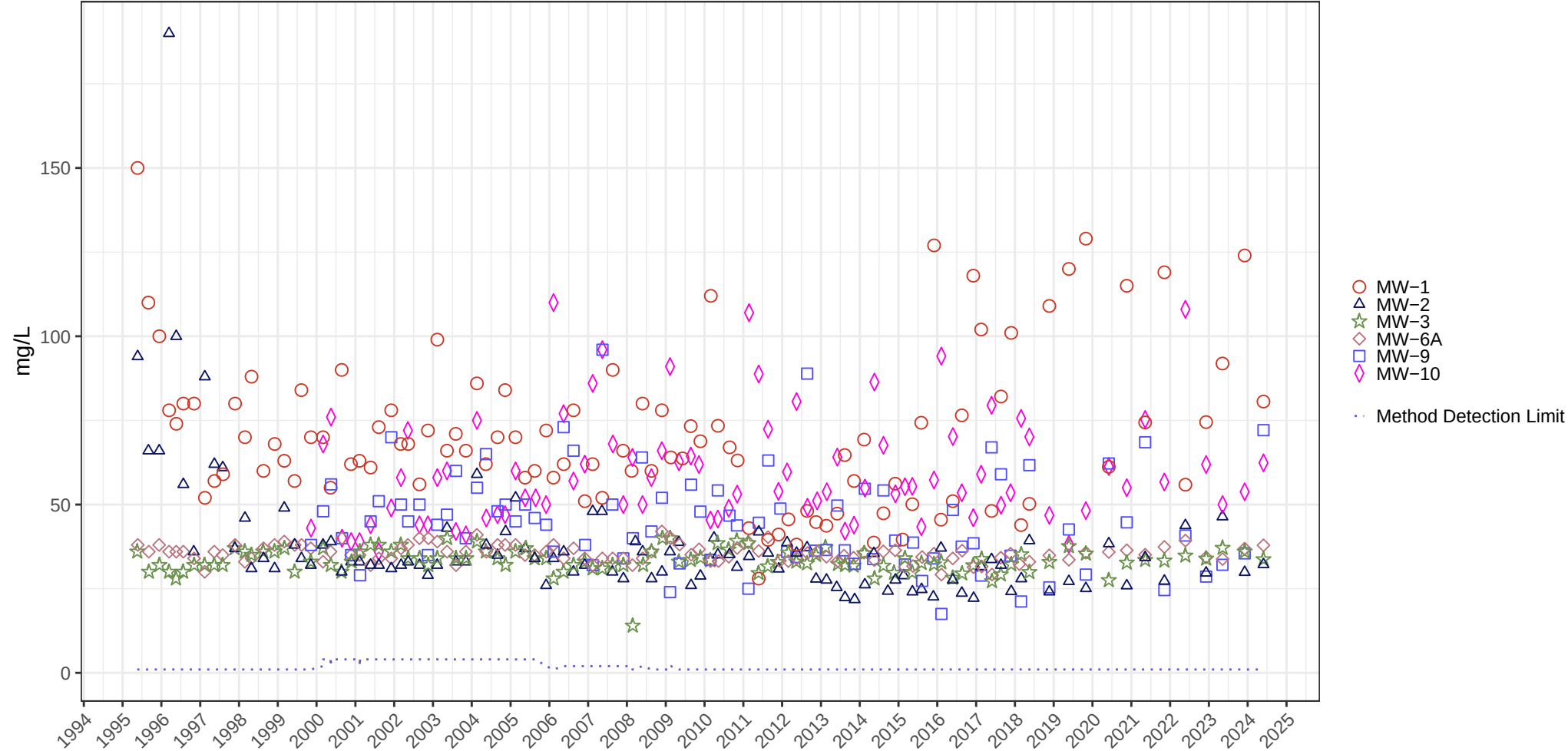


Figure B-3A
Arsenic

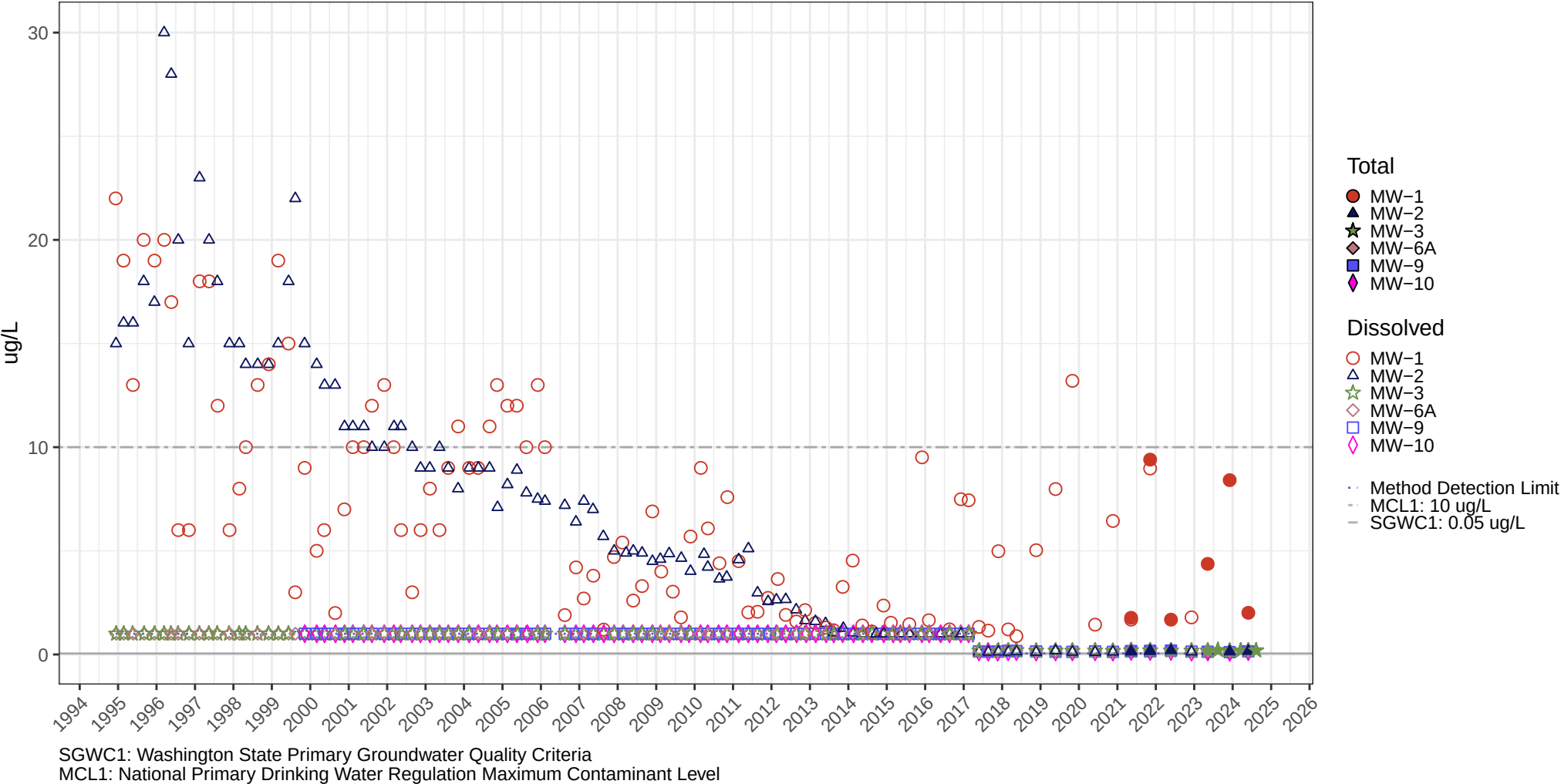


Figure B-4A
Calcium

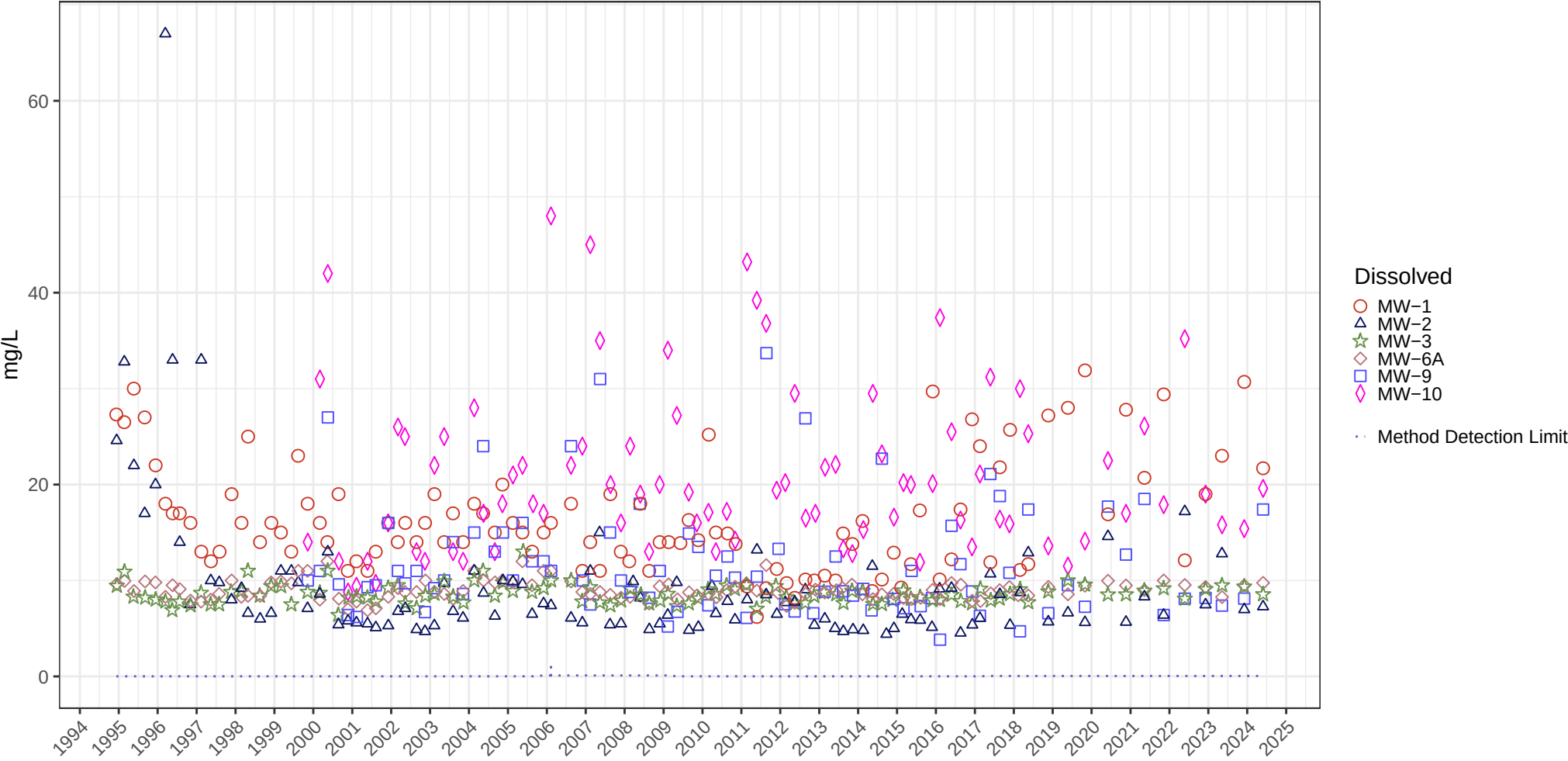


Figure B-5A
Chloride

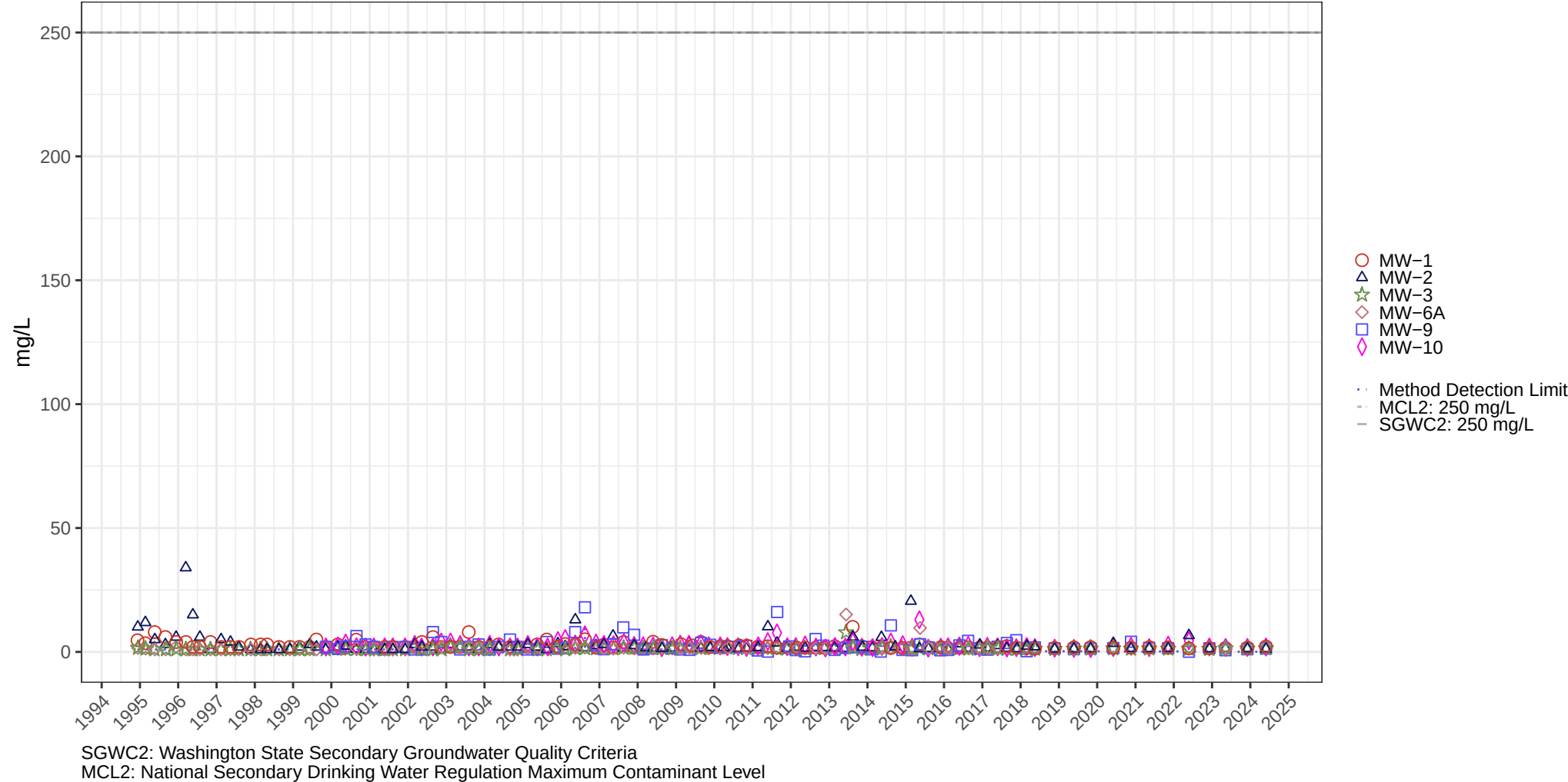


Figure B-6A
Iron

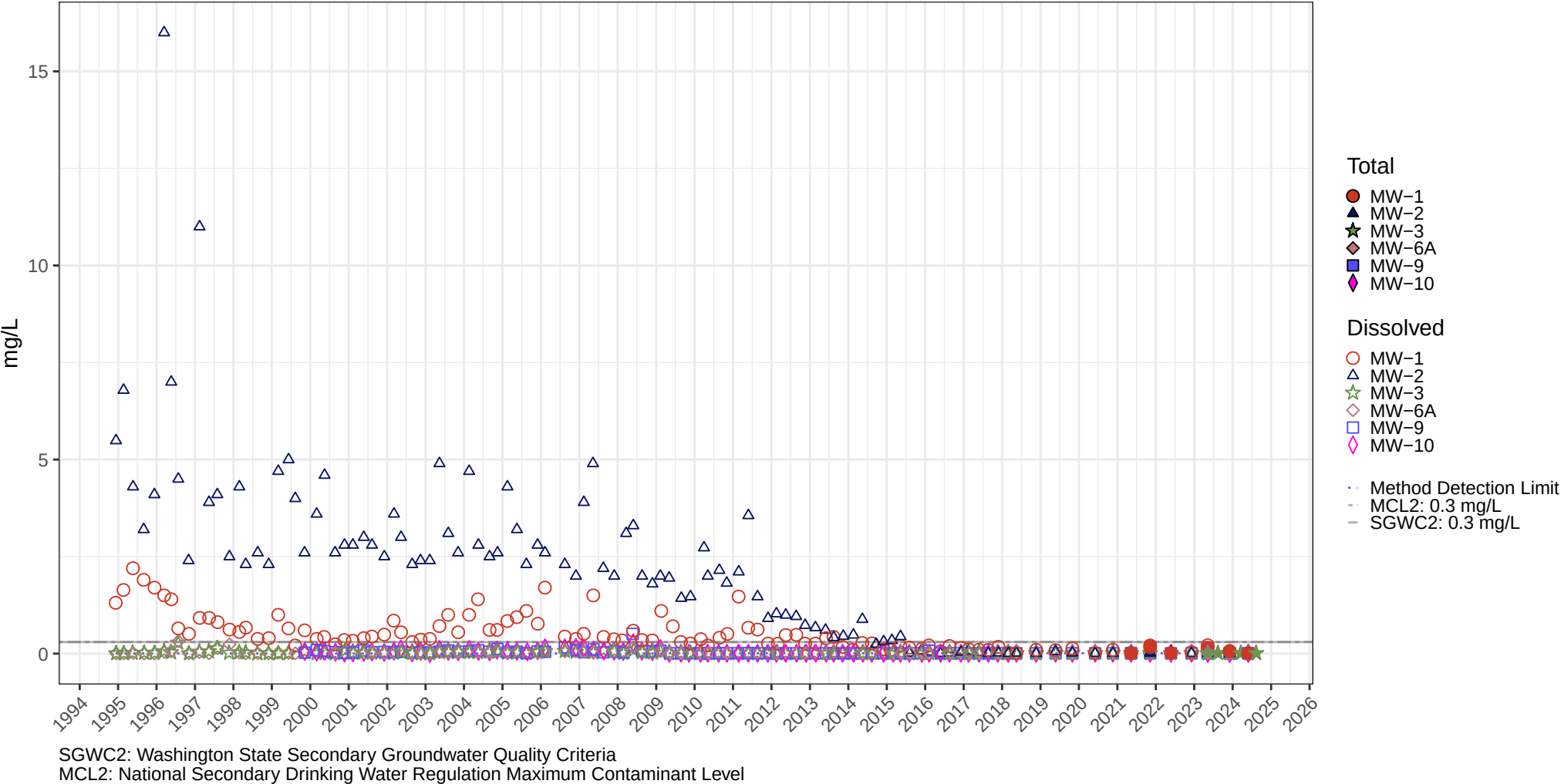


Figure B-7A
Magnesium

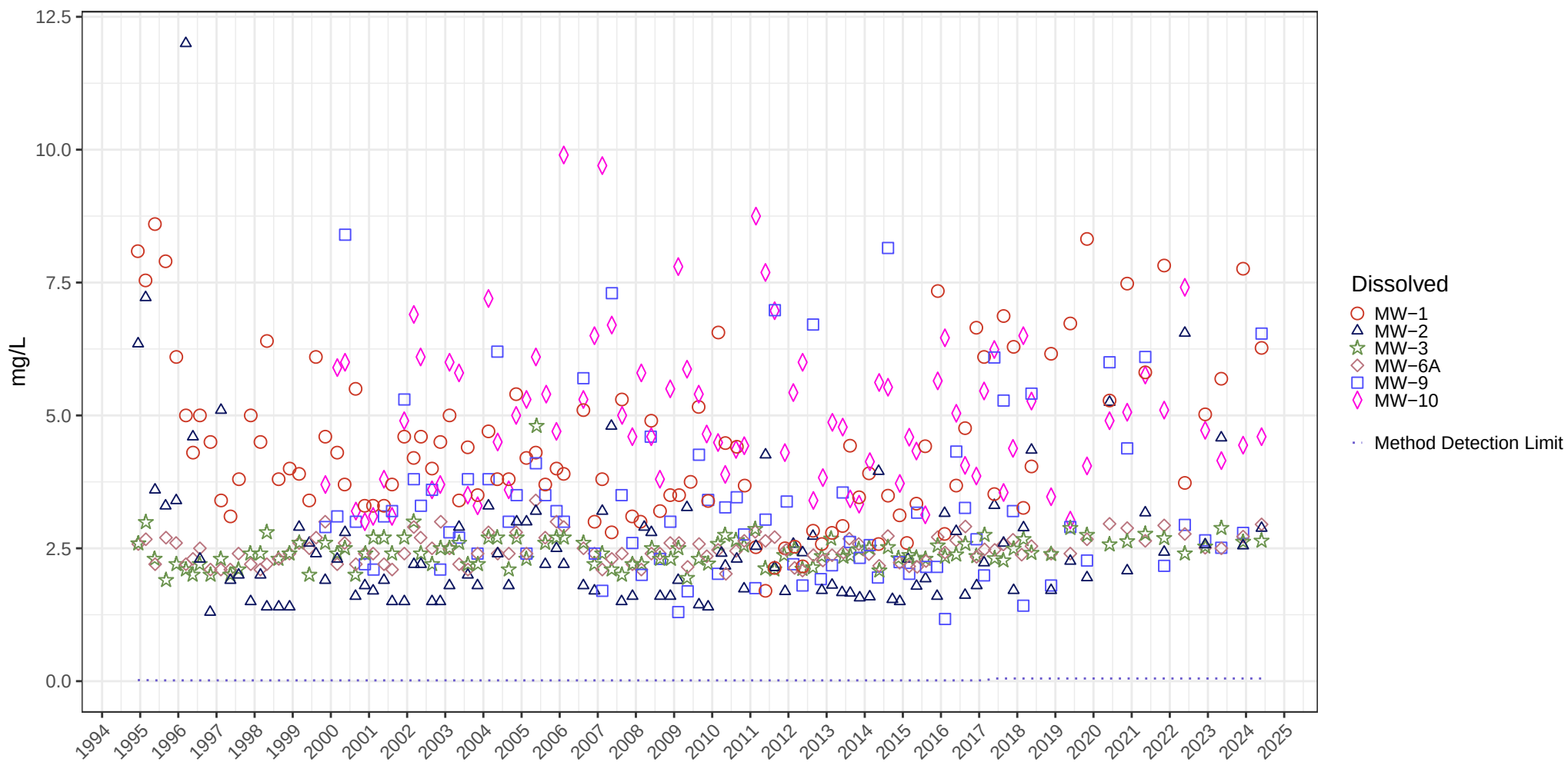


Figure B-8A
Manganese

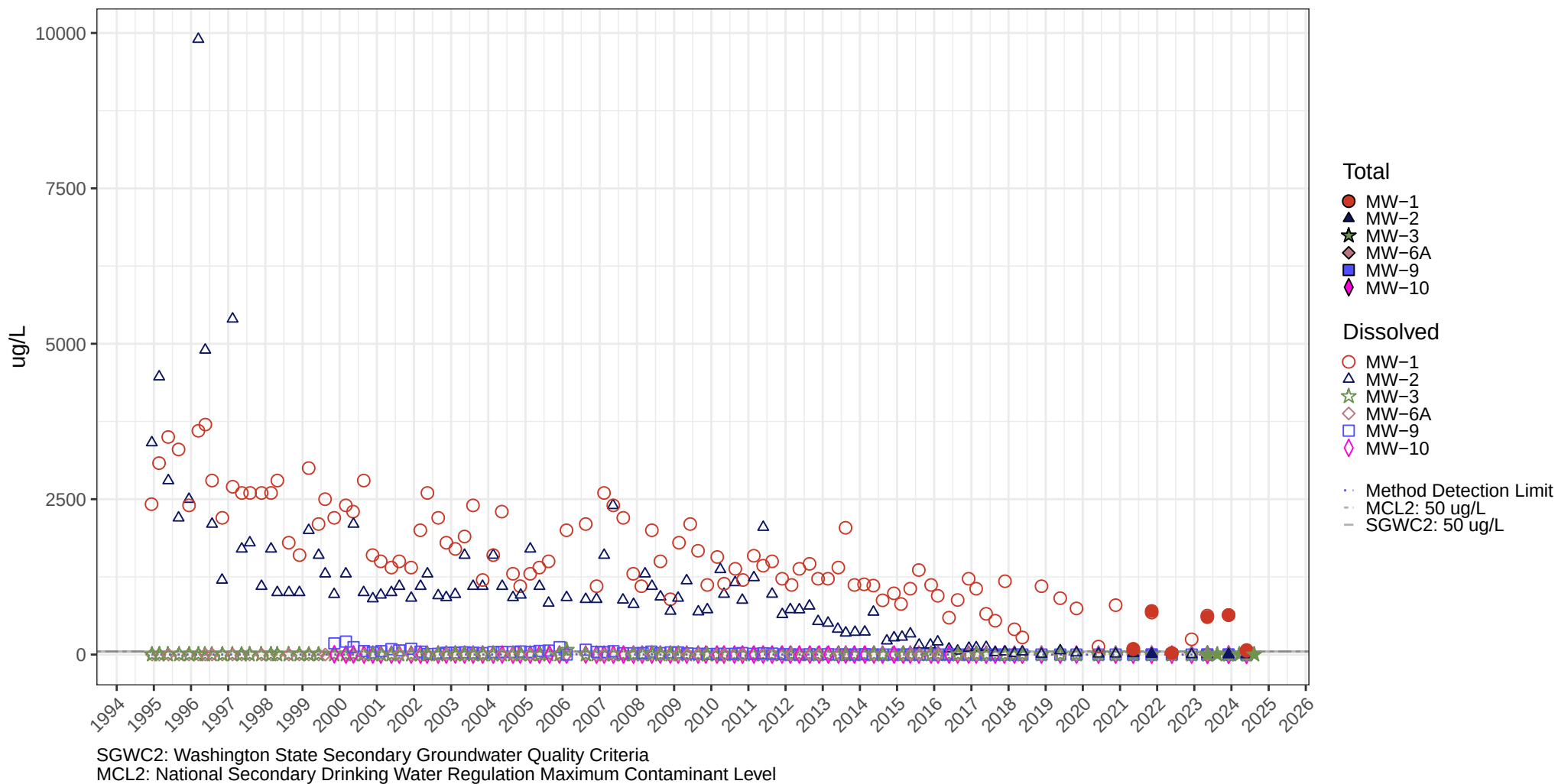


Figure B-9A
Nitrate

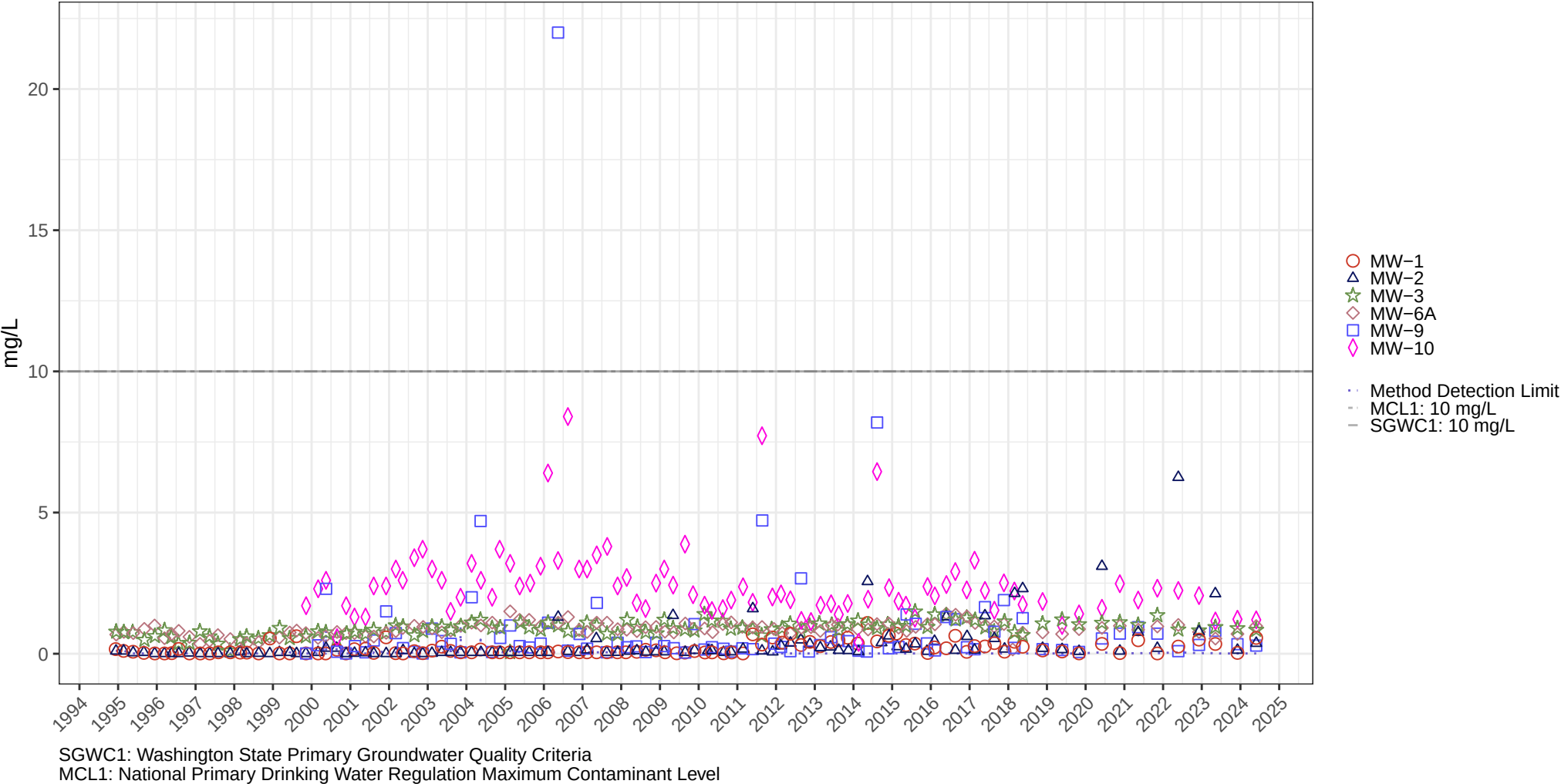


Figure B-10A
Potassium

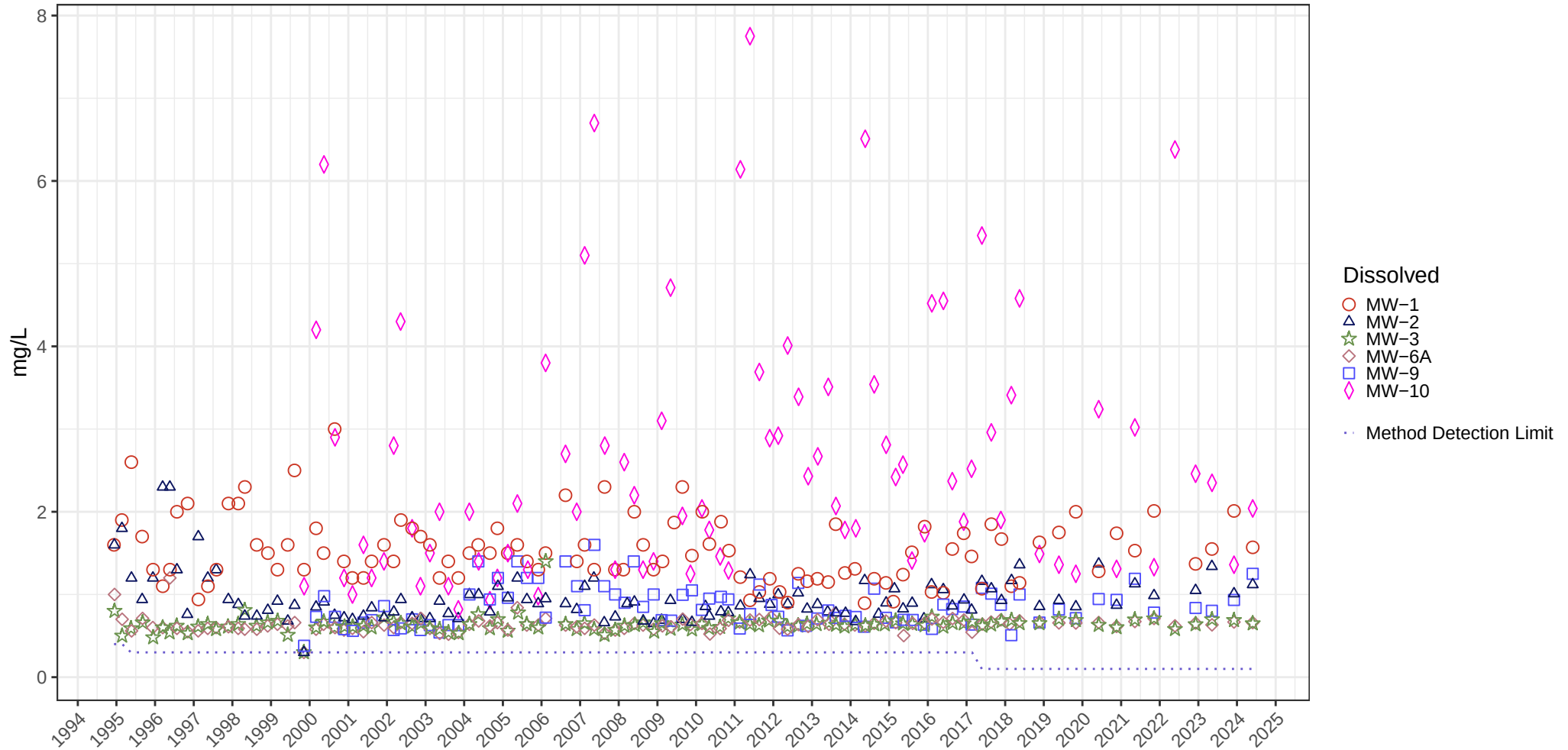
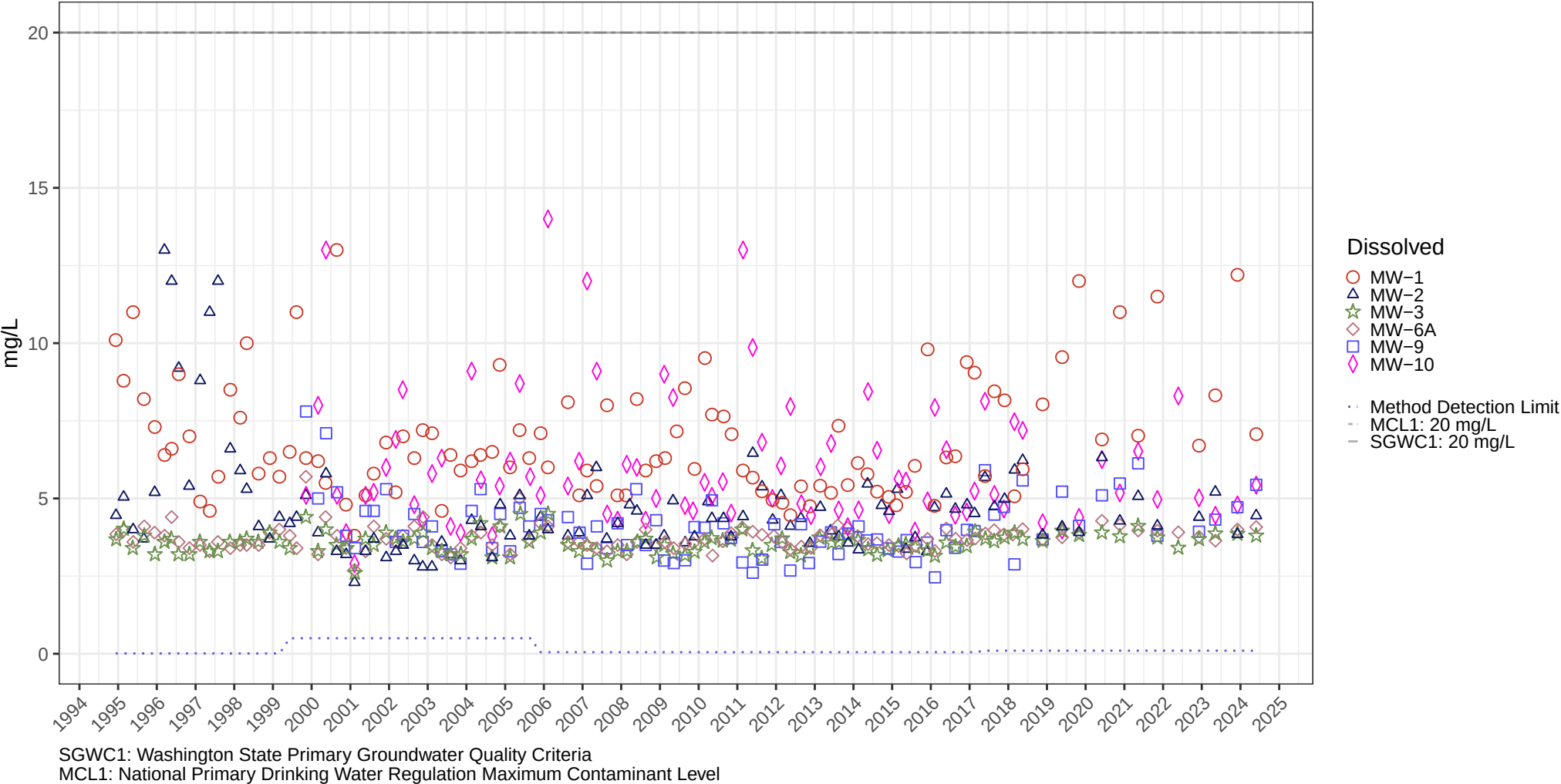


Figure B-11A
Sodium



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B-12A
Specific Conductivity, Field

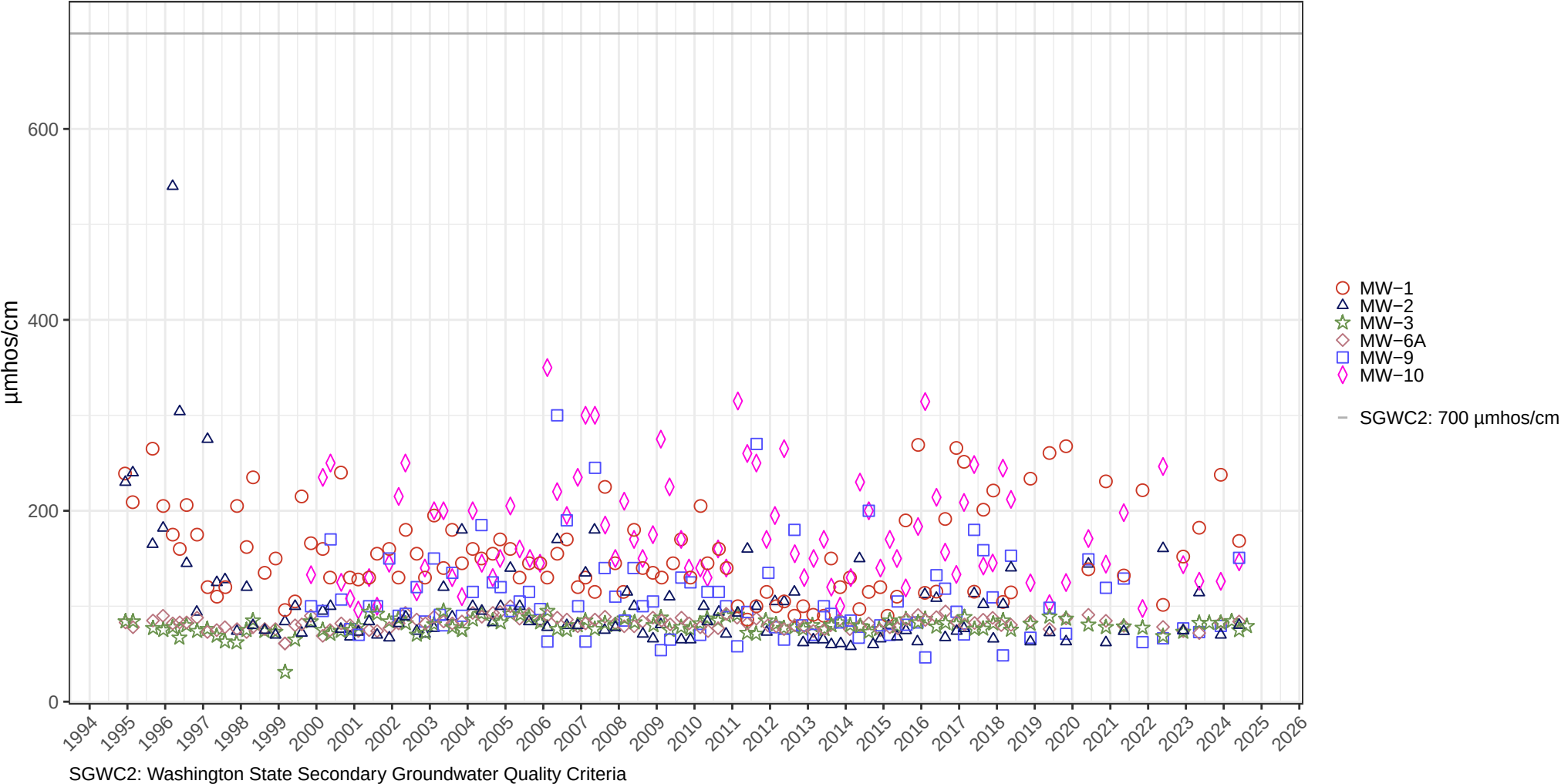


Figure B-13A
Sulfate

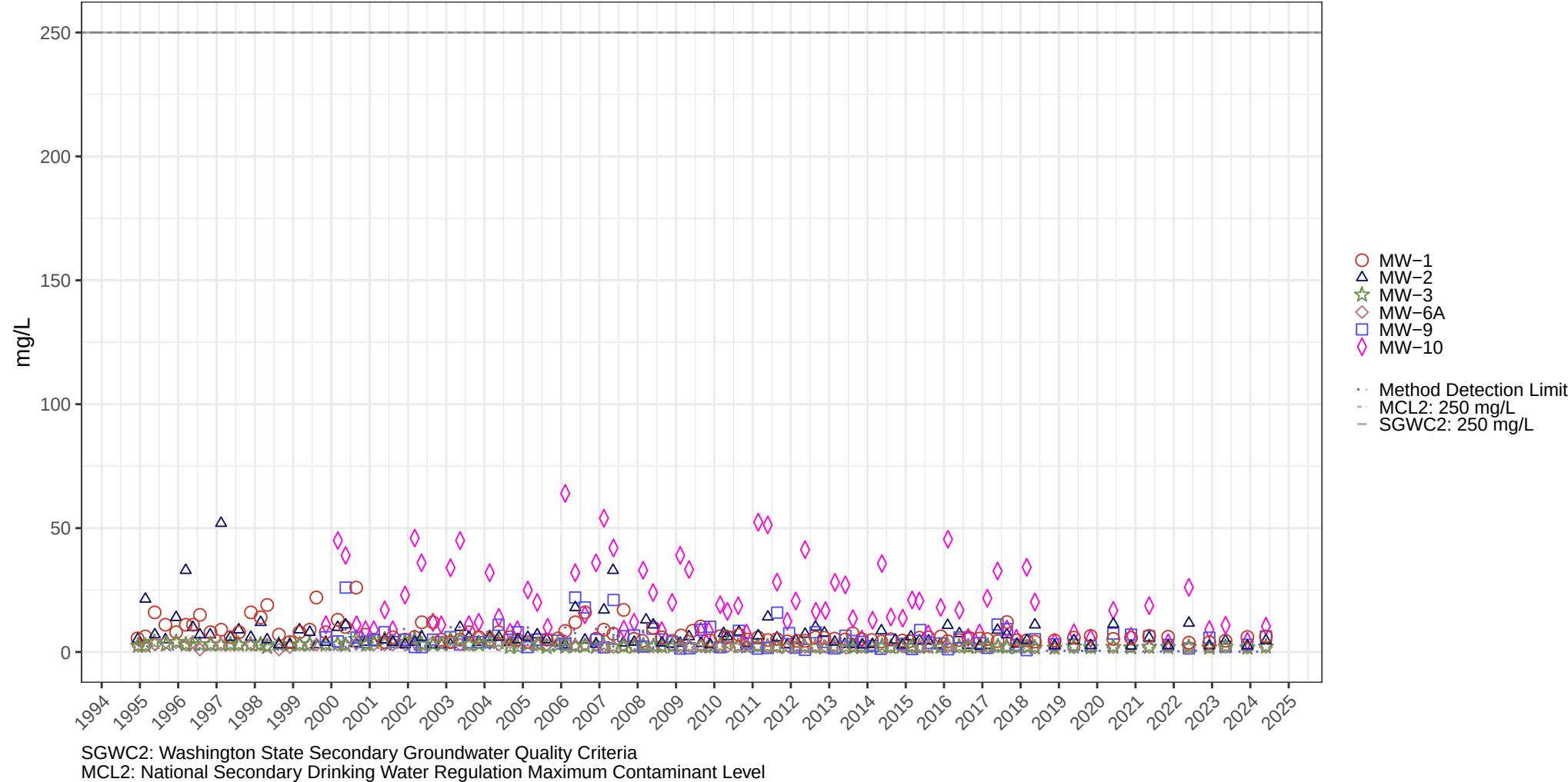


Figure B-14A
Total Dissolved Solids

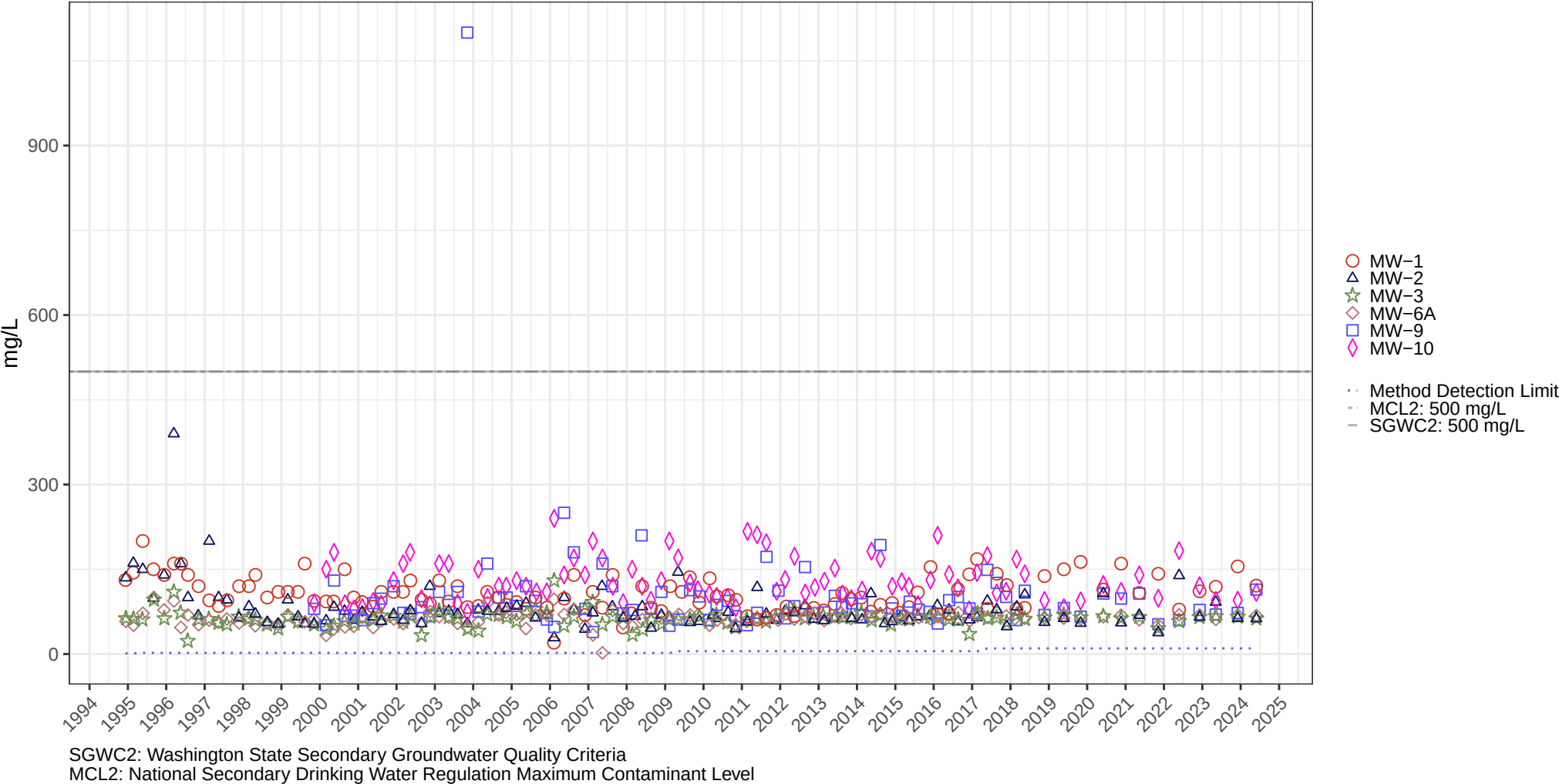


Figure B-15A
Total Organic Carbon

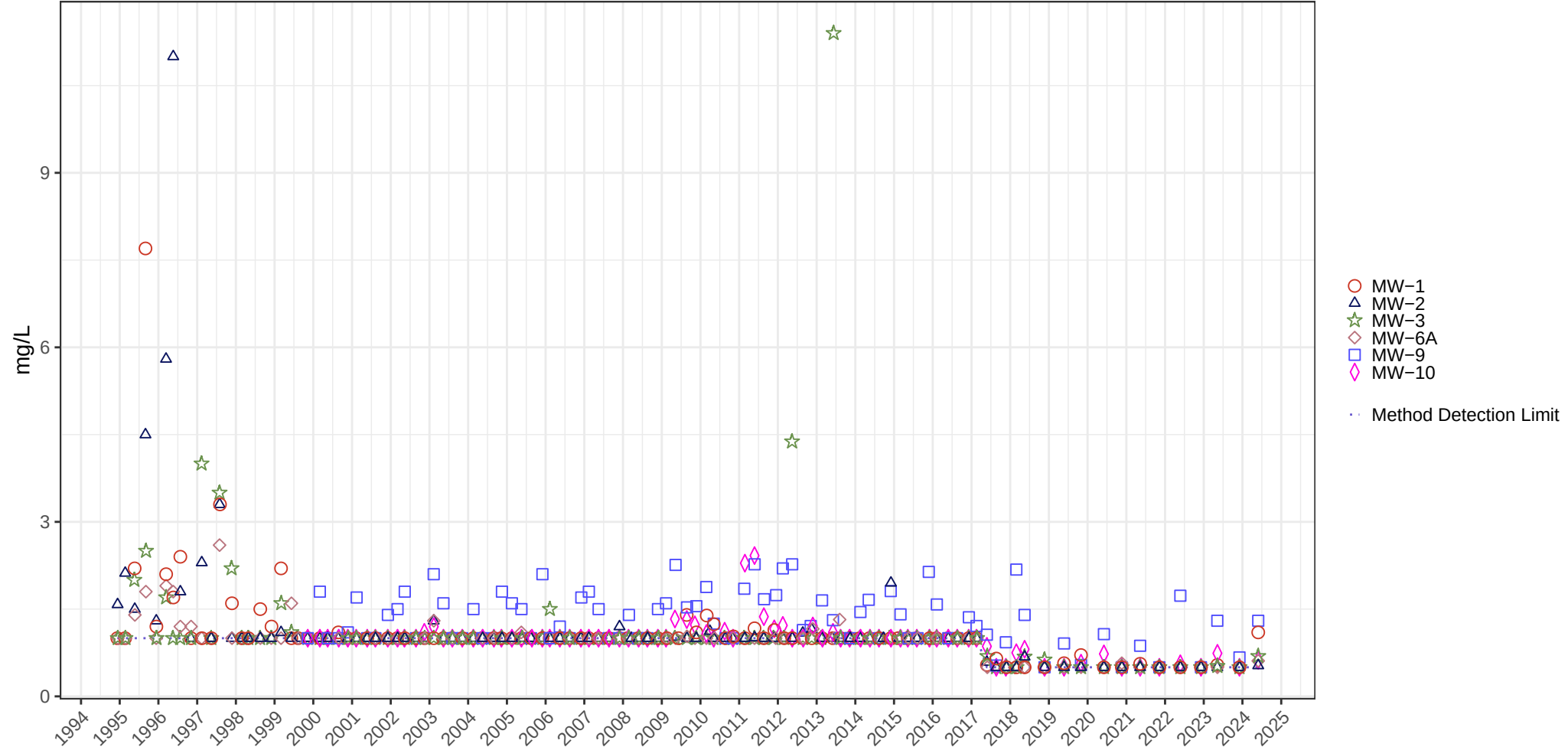


Figure B-16A
Vinyl Chloride

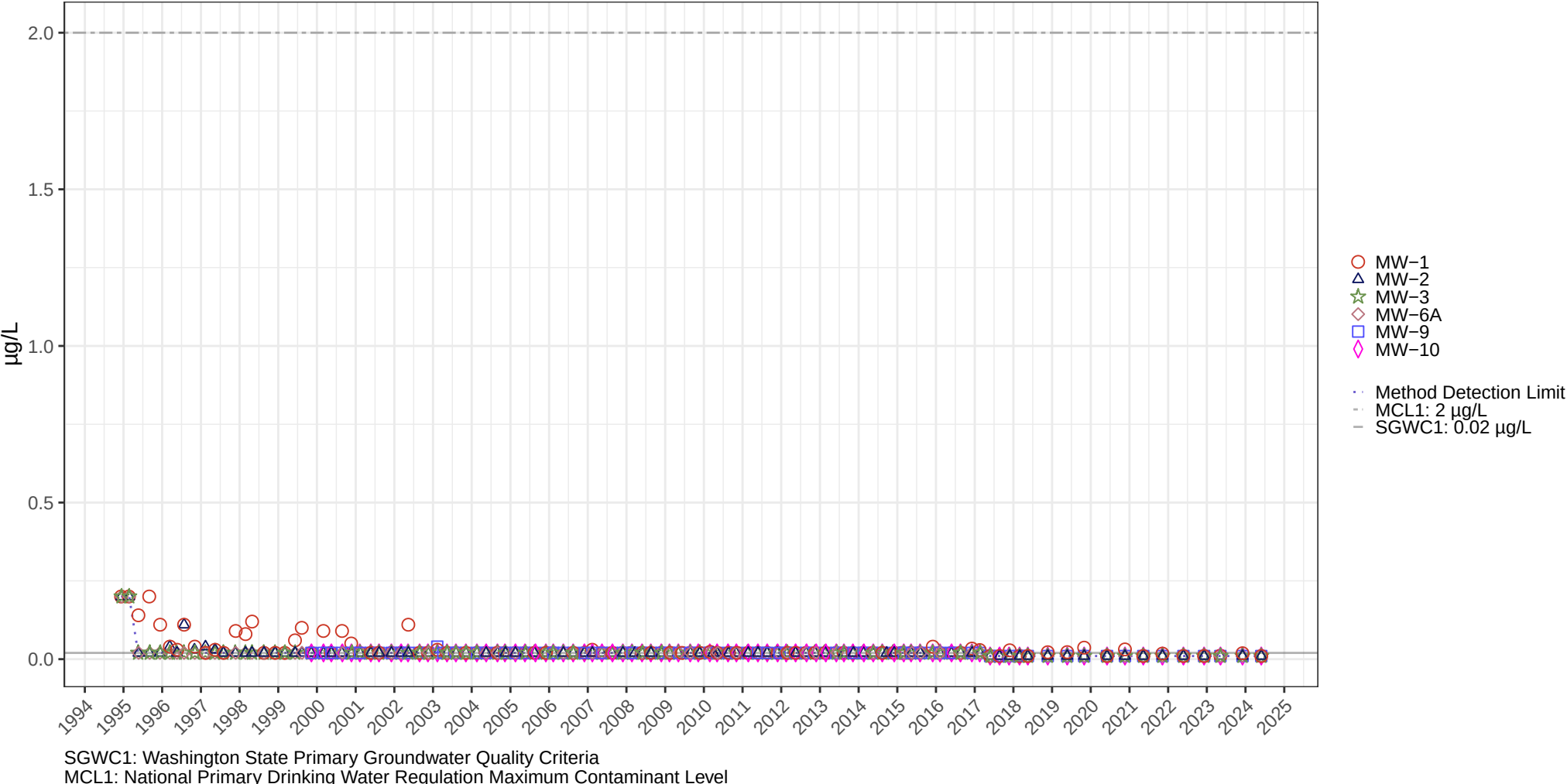


Figure B-17A
pH, Field

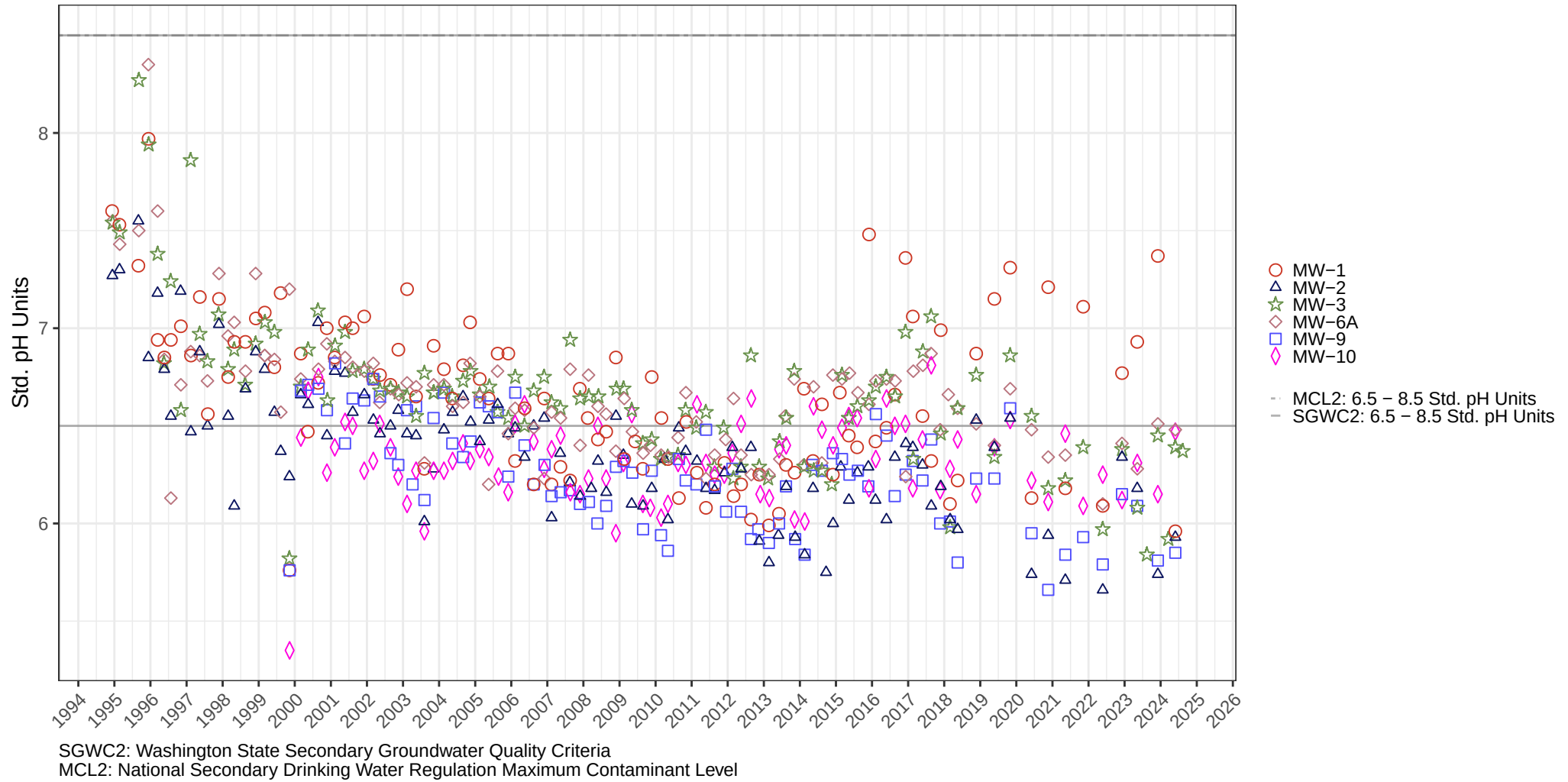


Figure B-2B
Alkalinity, Total (as CaCO₃)

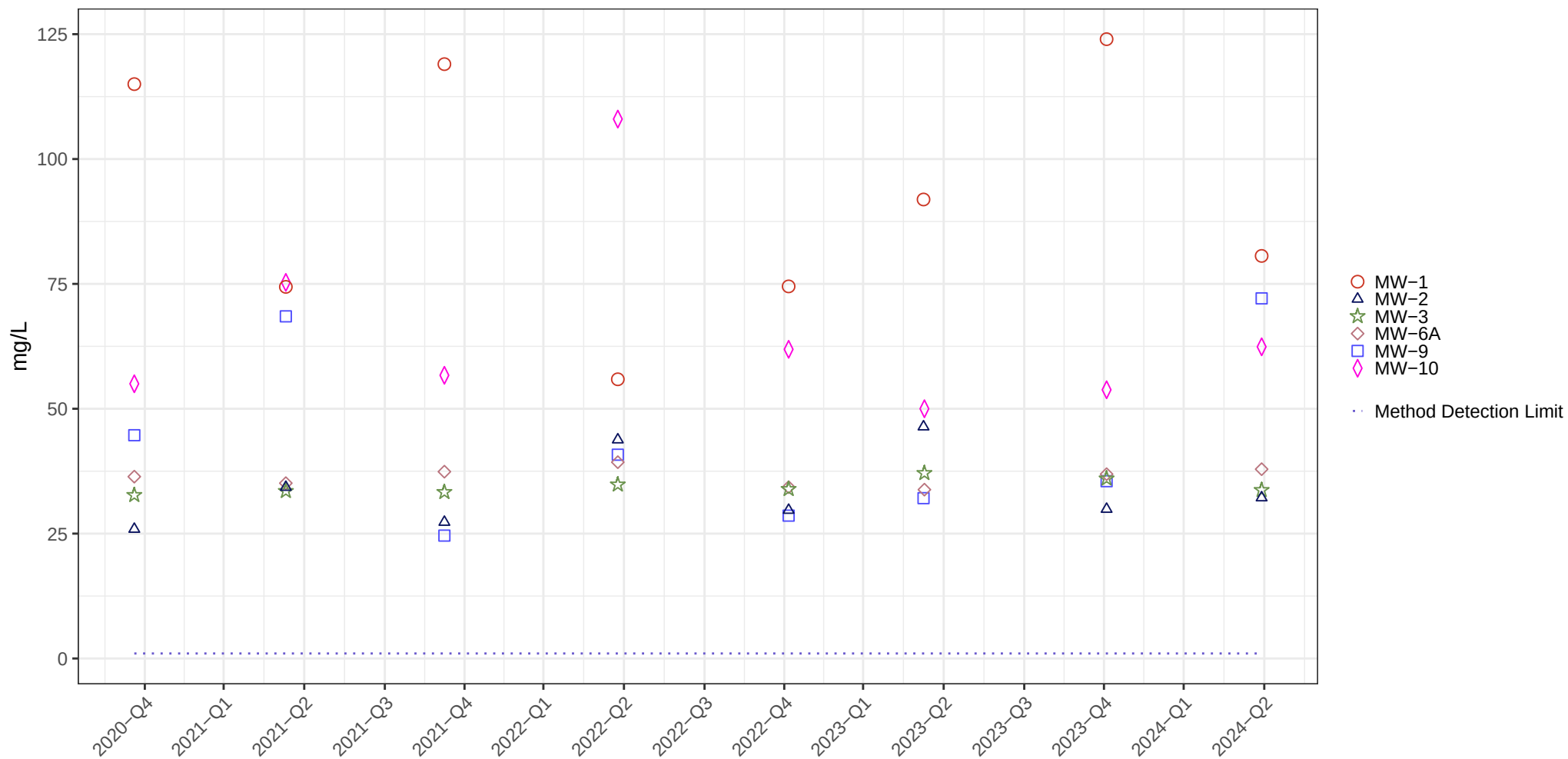
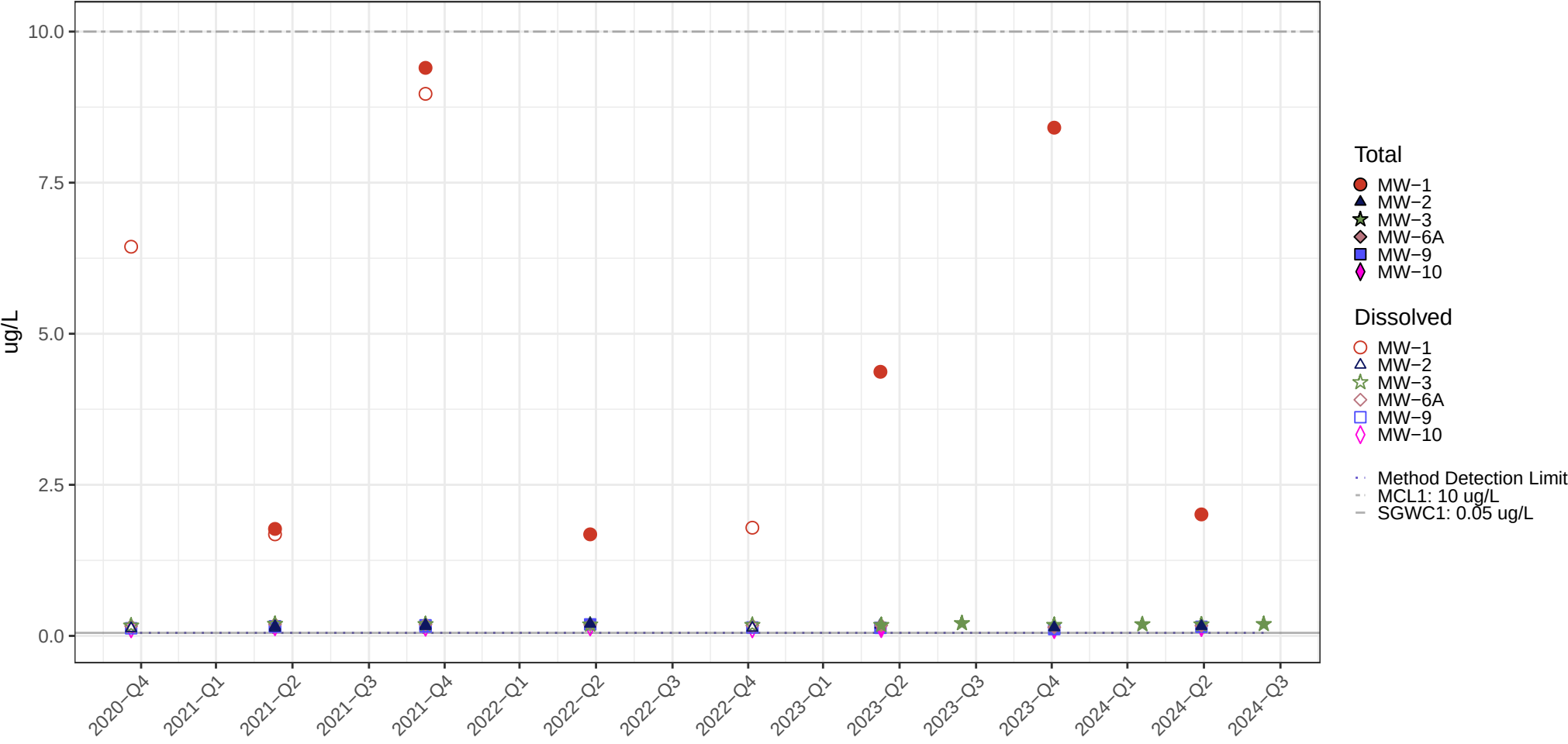


Figure B-3B
Arsenic



SGWC1: Washington State Primary Groundwater Quality Criteria
MCL1: National Primary Drinking Water Regulation Maximum Contaminant Level

Figure B-4B
Calcium

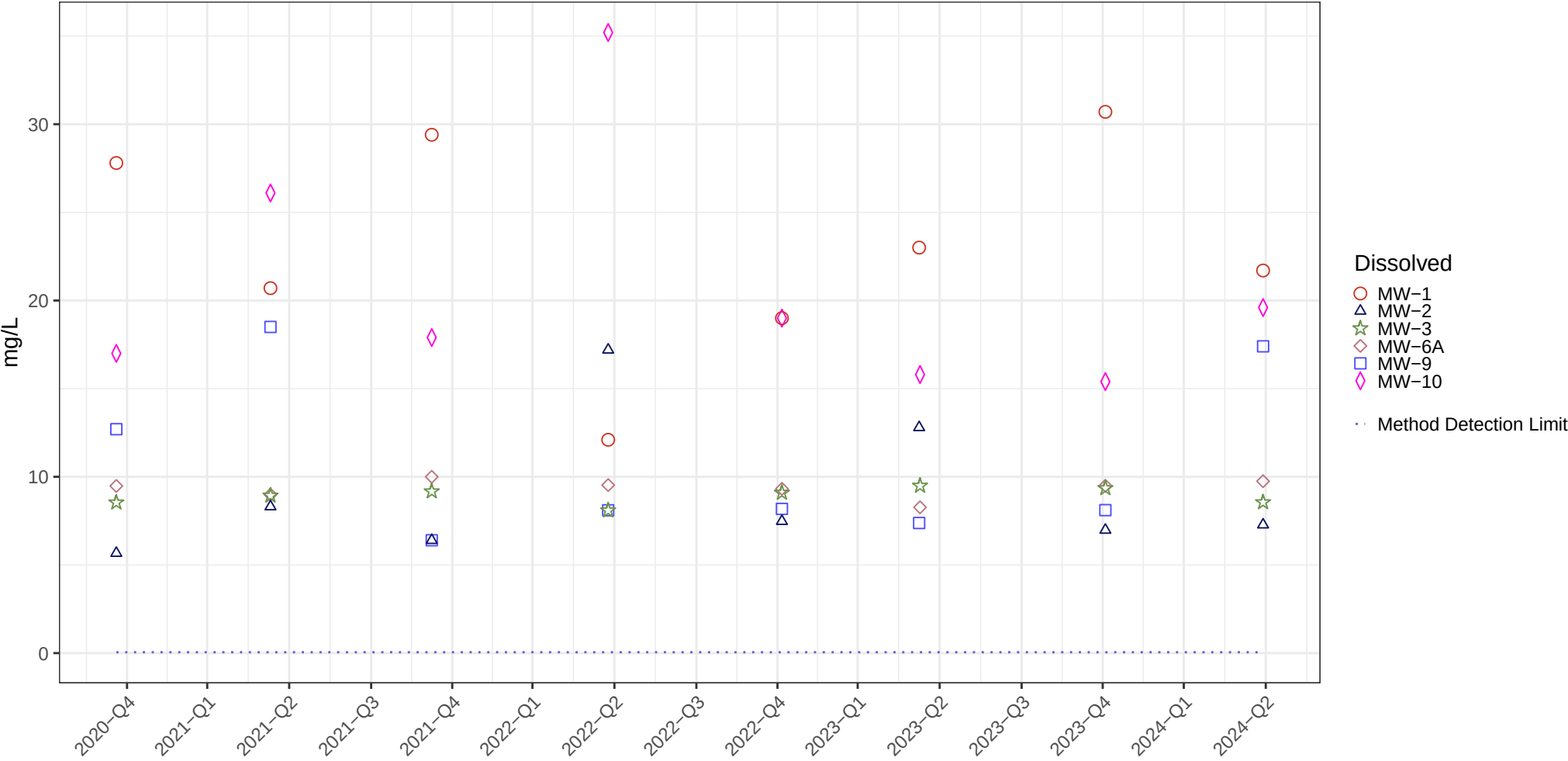


Figure B-5B
Chloride

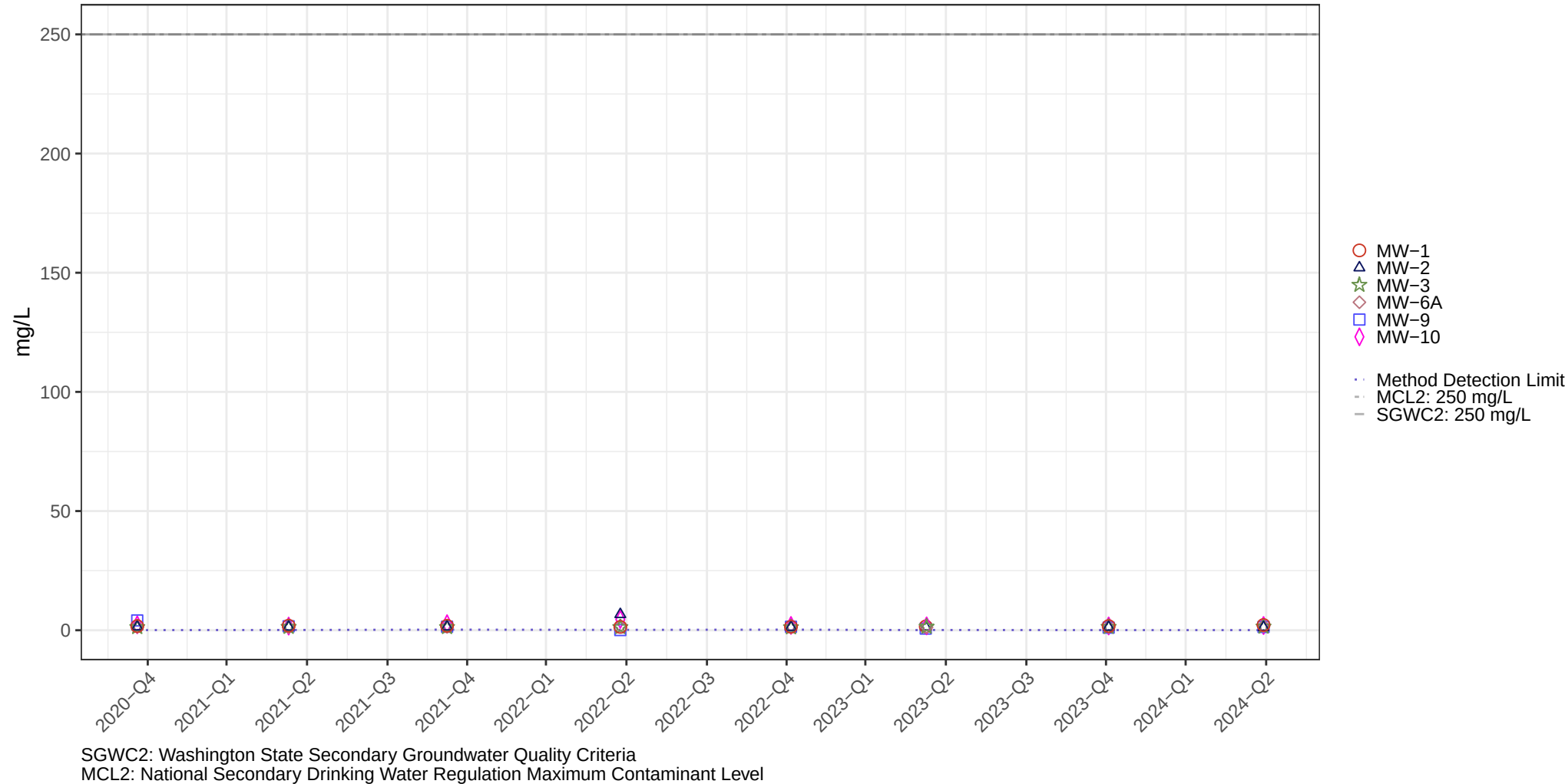


Figure B-6B
Iron

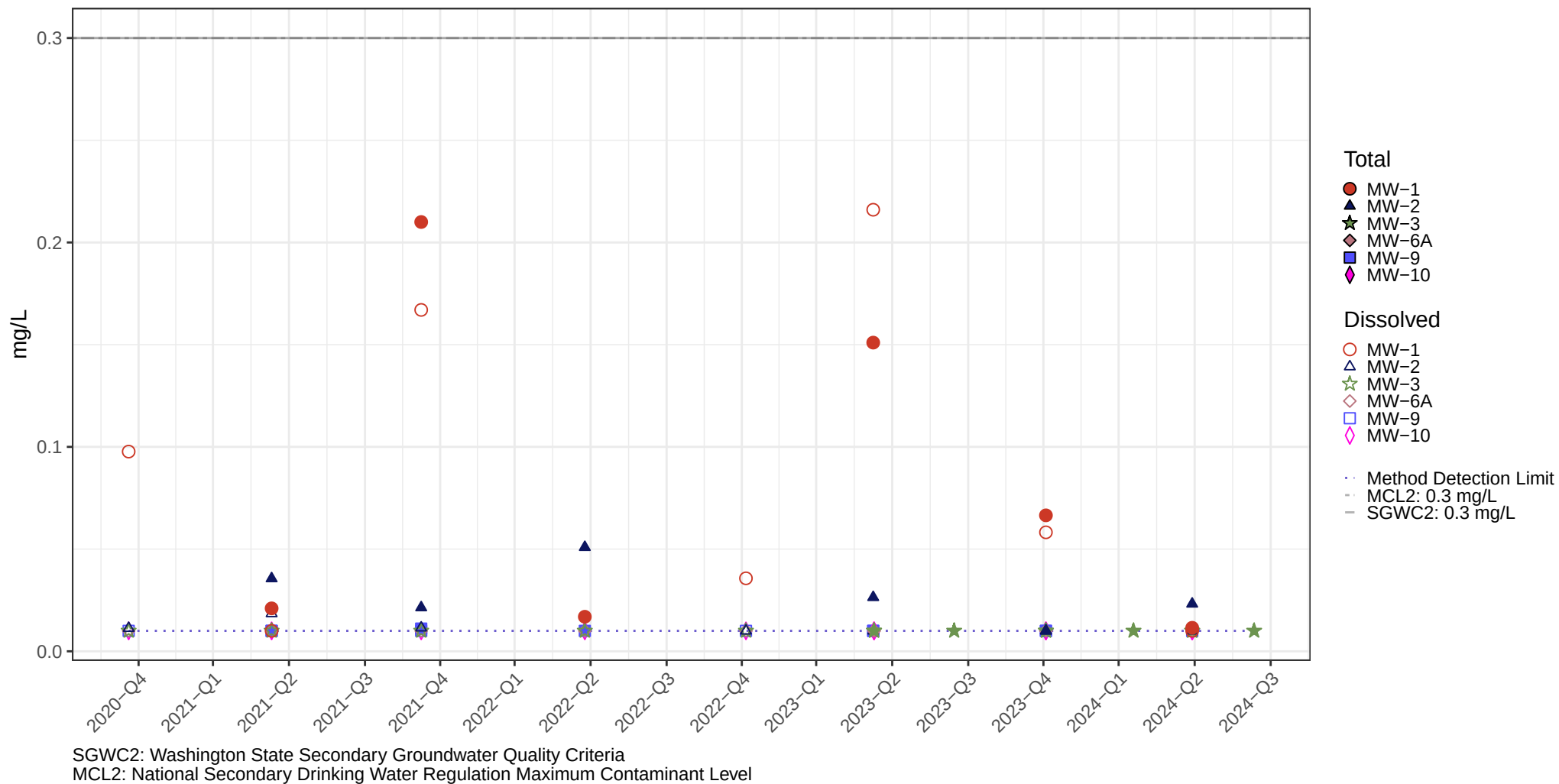
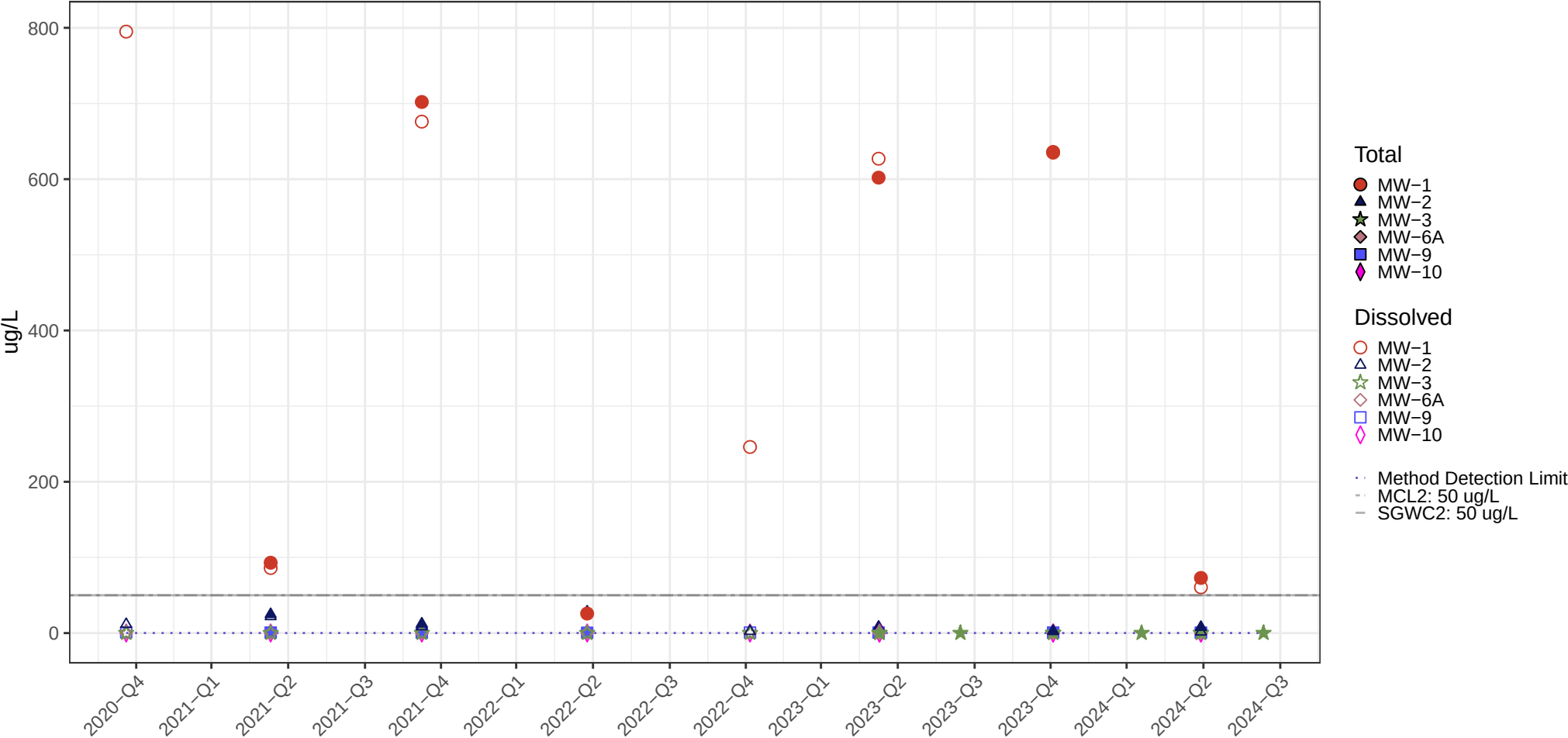


Figure B-7B
Magnesium



Figure B-8B
Manganese



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B-9B
Nitrate

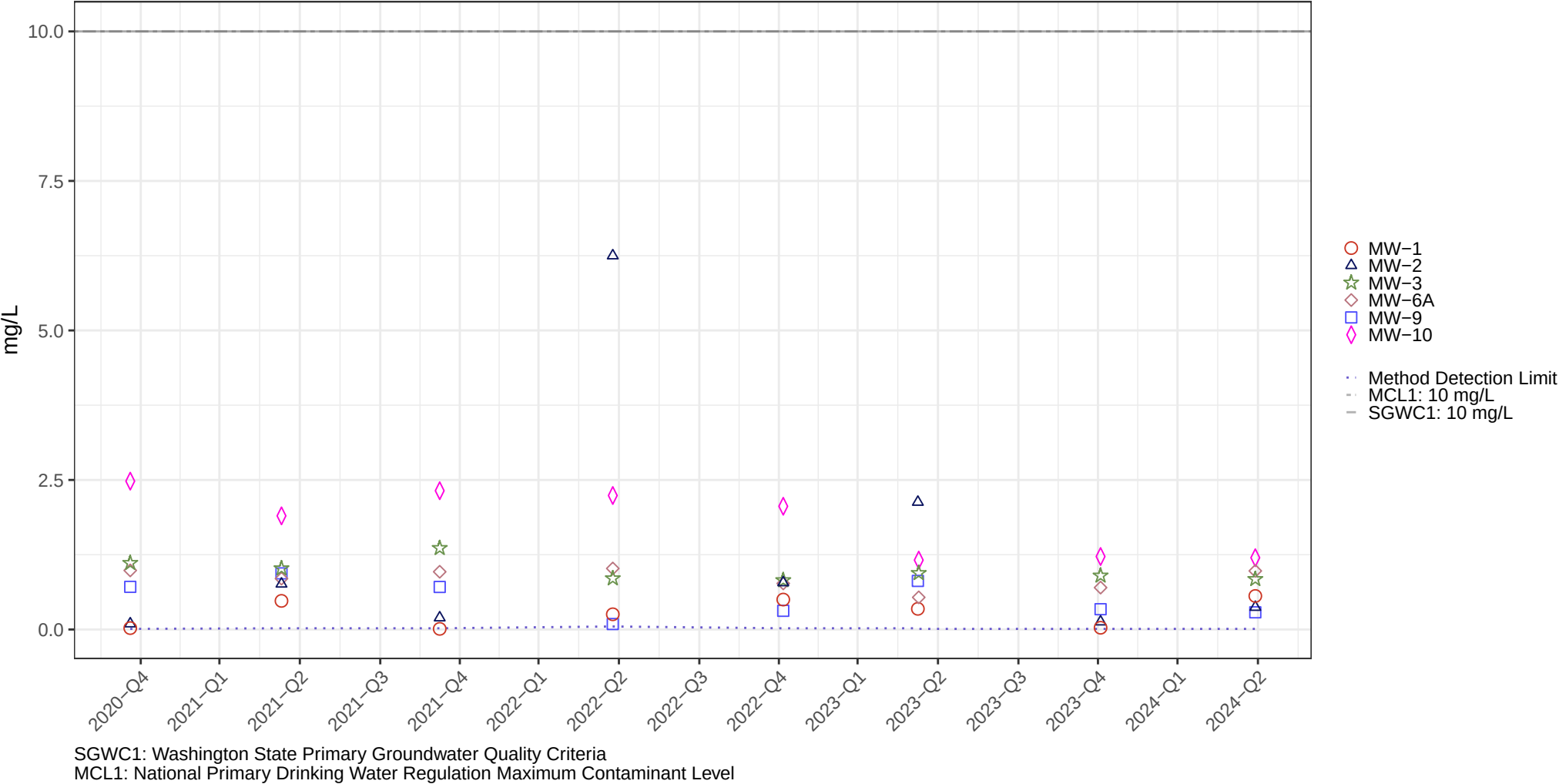


Figure B-10B
Potassium

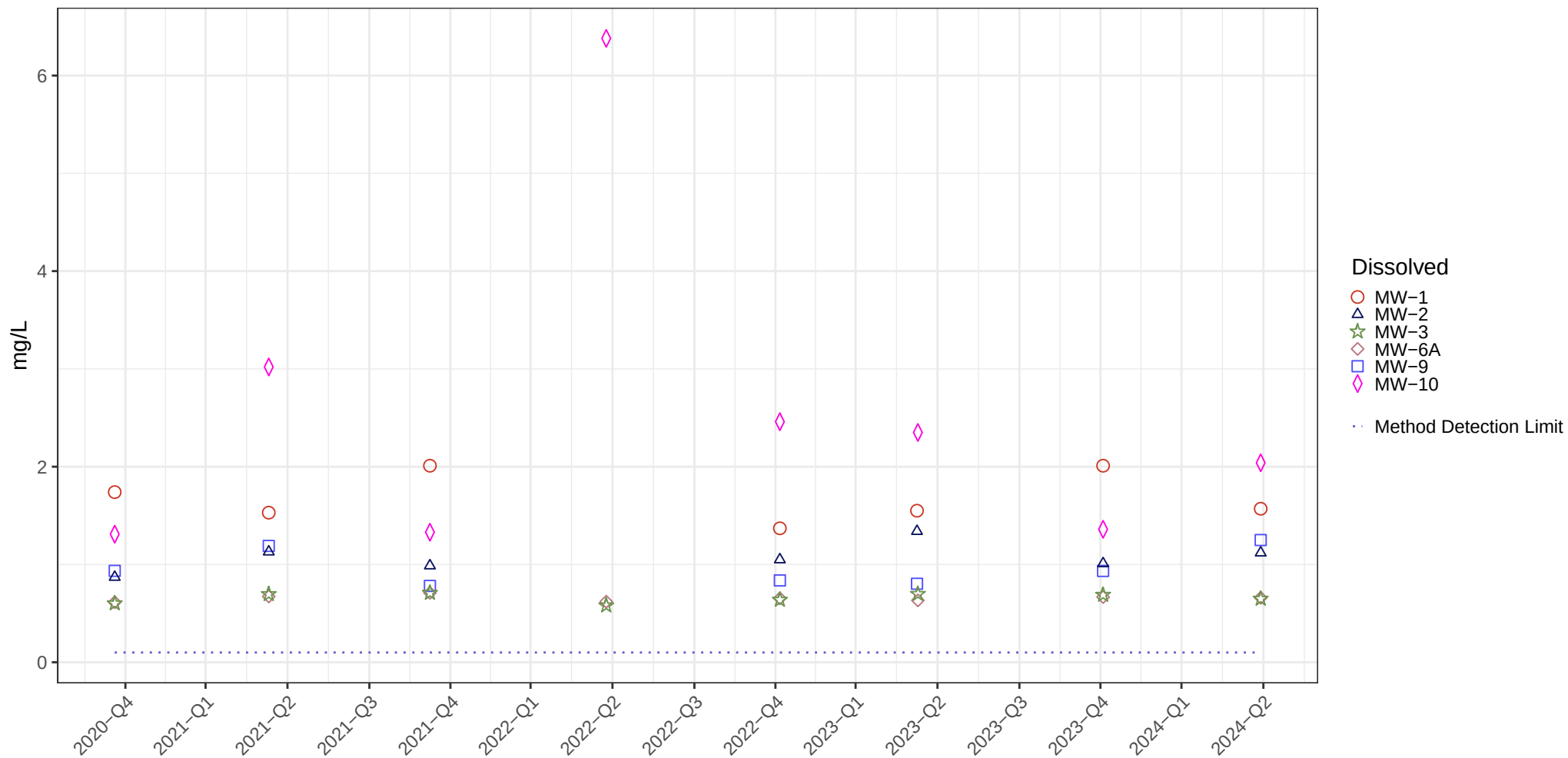


Figure B-11B
Sodium

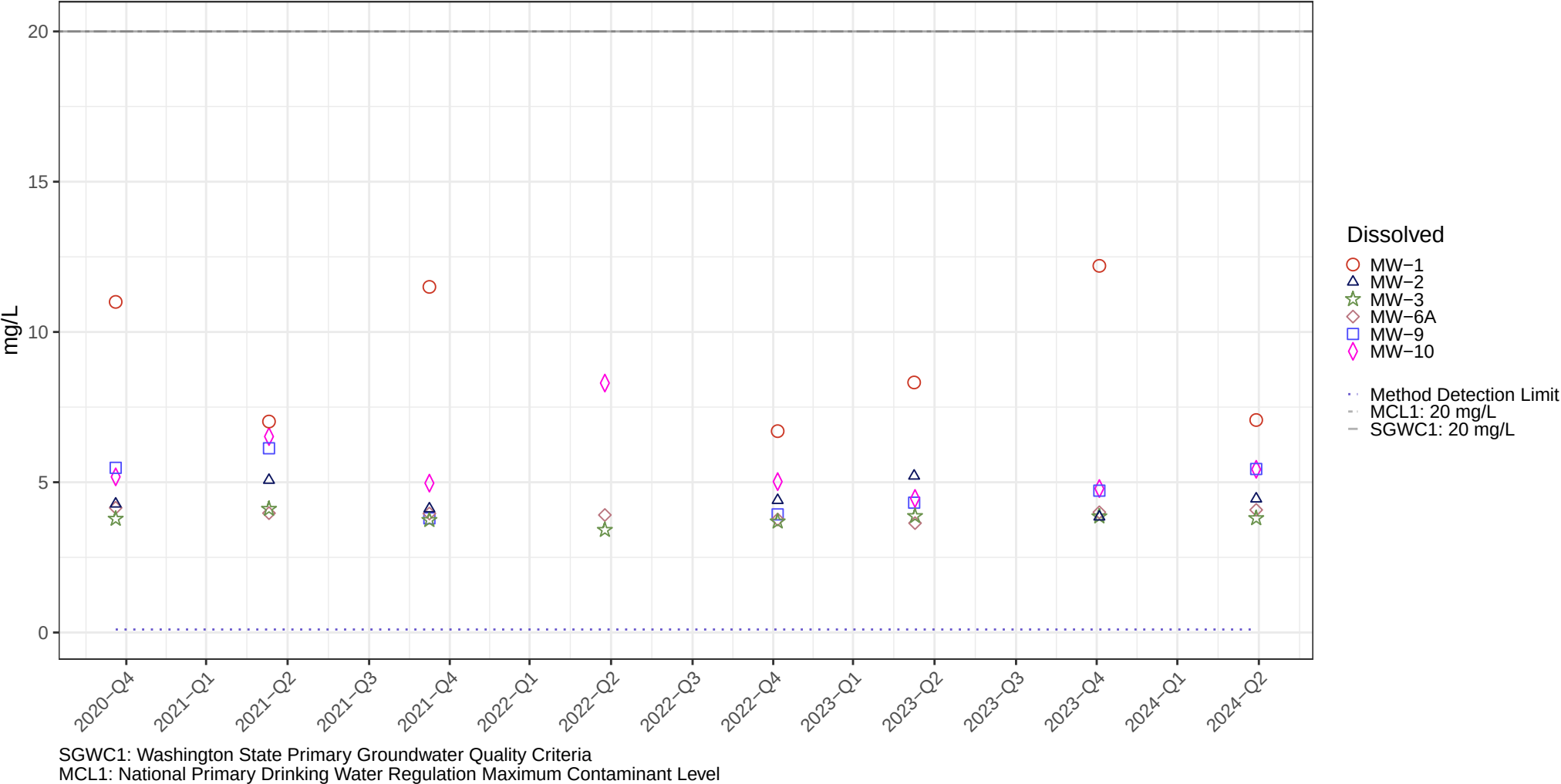
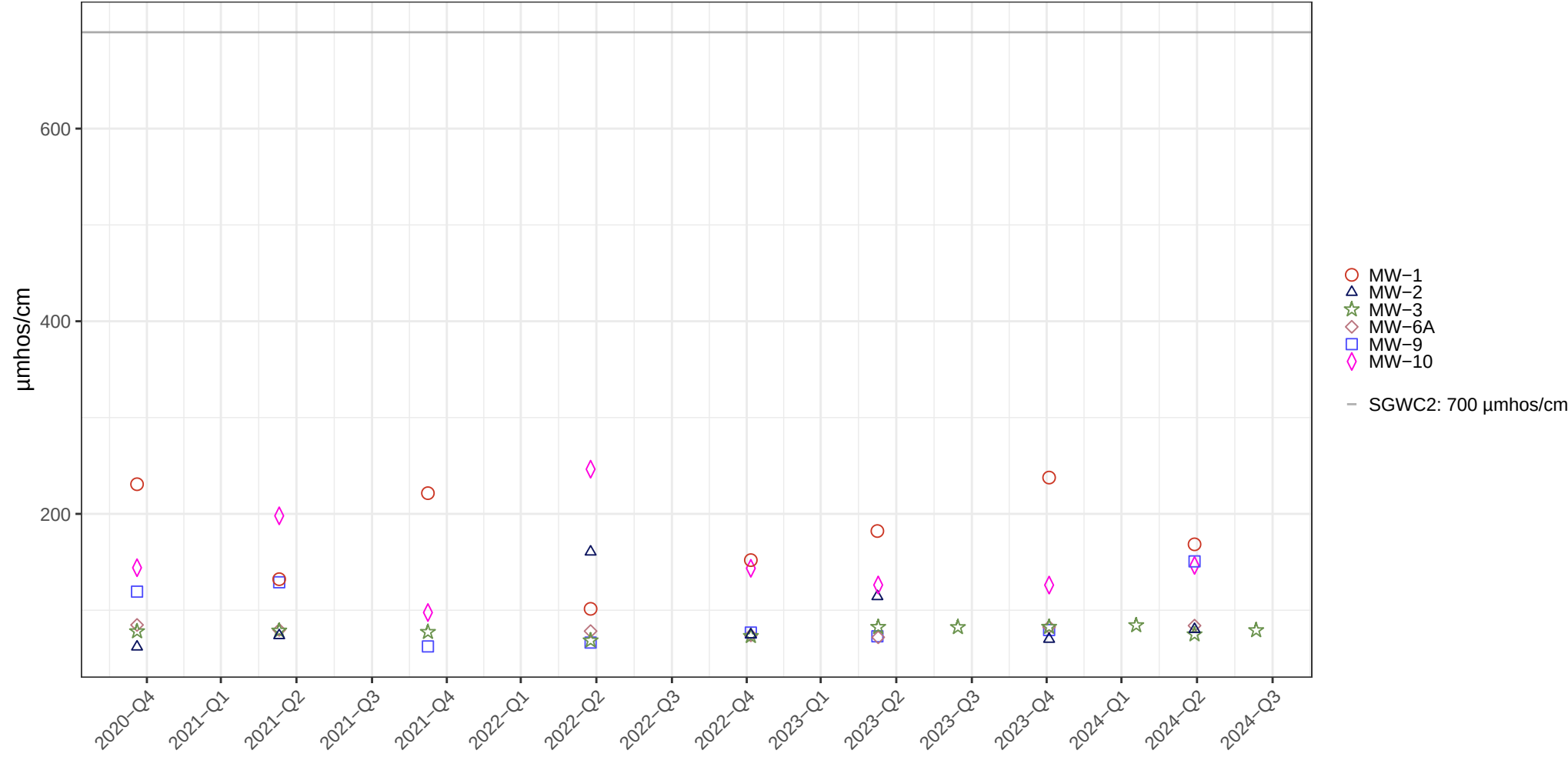
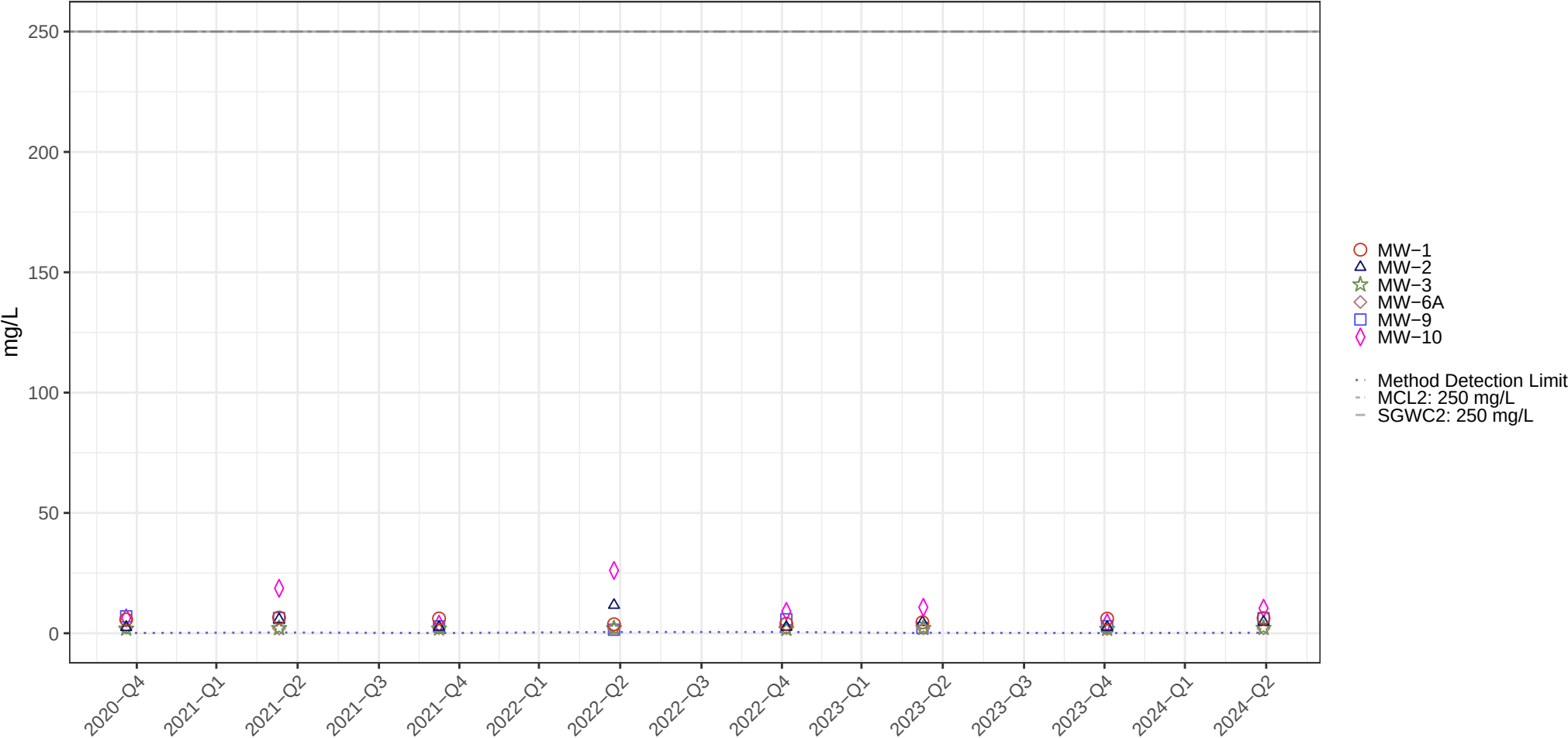


Figure B-12B
Specific Conductivity, Field



SGWC2: Washington State Secondary Groundwater Quality Criteria

Figure B-13B
Sulfate



SGWC2: Washington State Secondary Groundwater Quality Criteria
MCL2: National Secondary Drinking Water Regulation Maximum Contaminant Level

Figure B-14B
Total Dissolved Solids

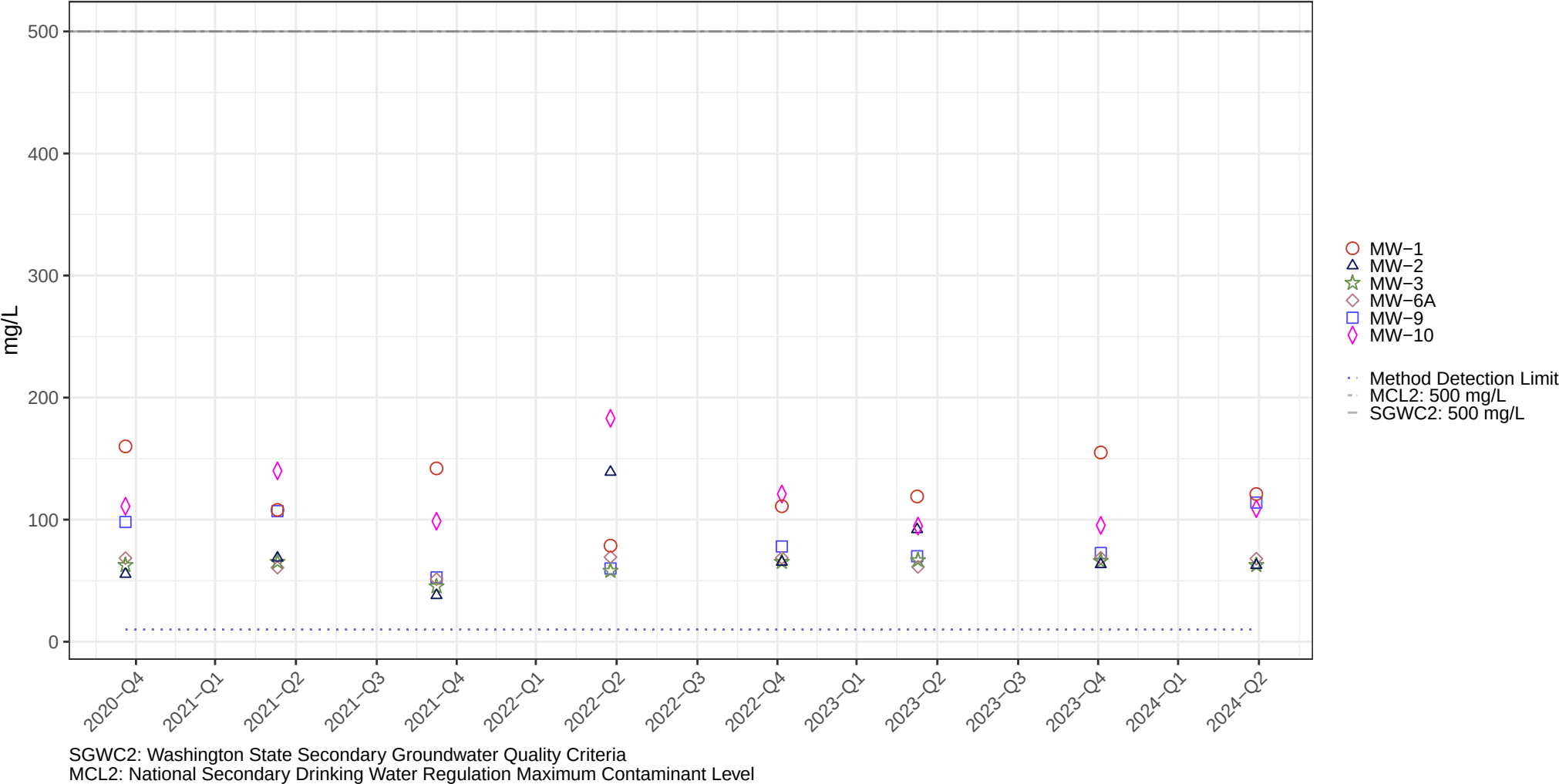


Figure B-15B
Total Organic Carbon

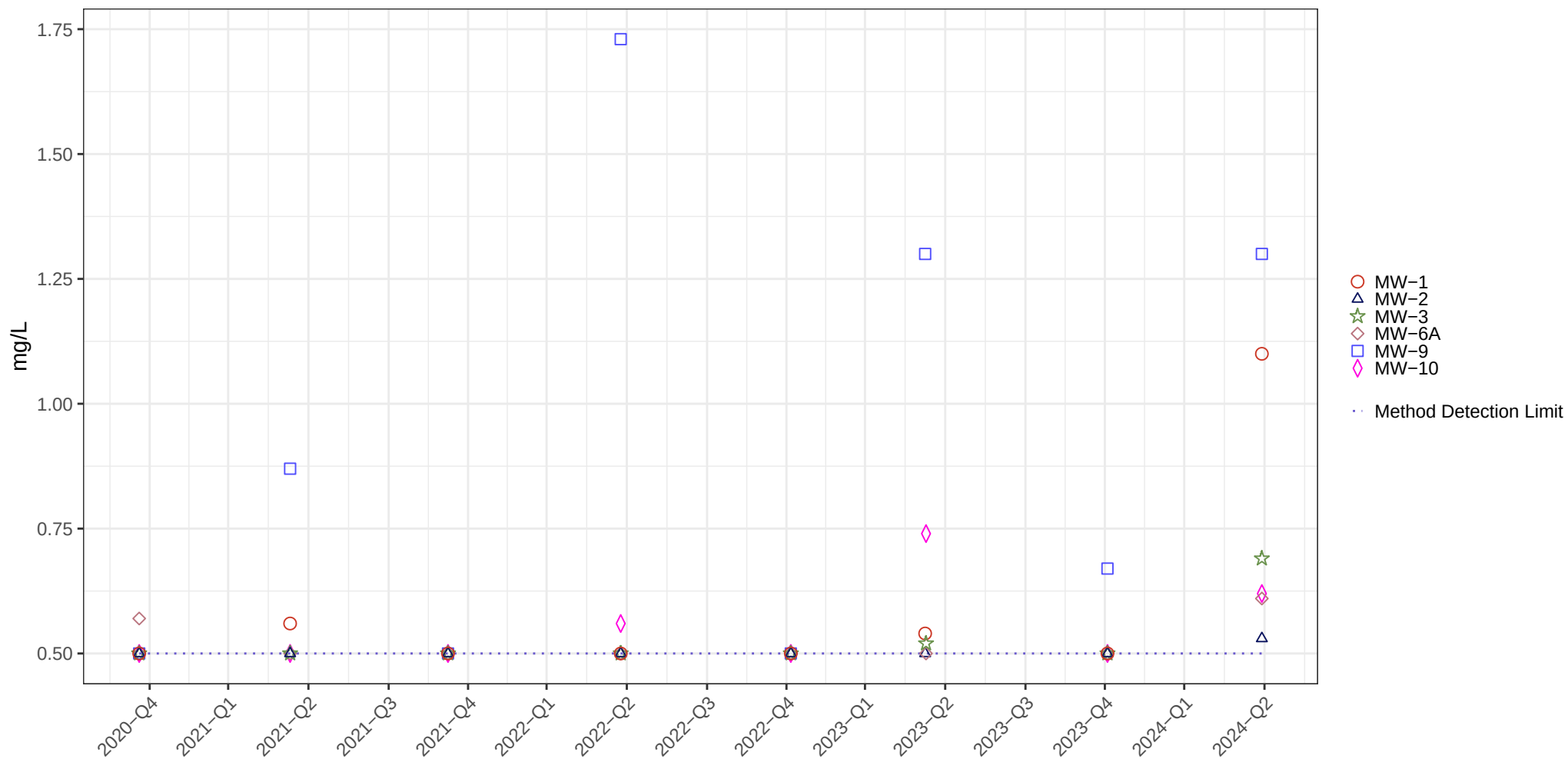


Figure B-16B
Vinyl Chloride

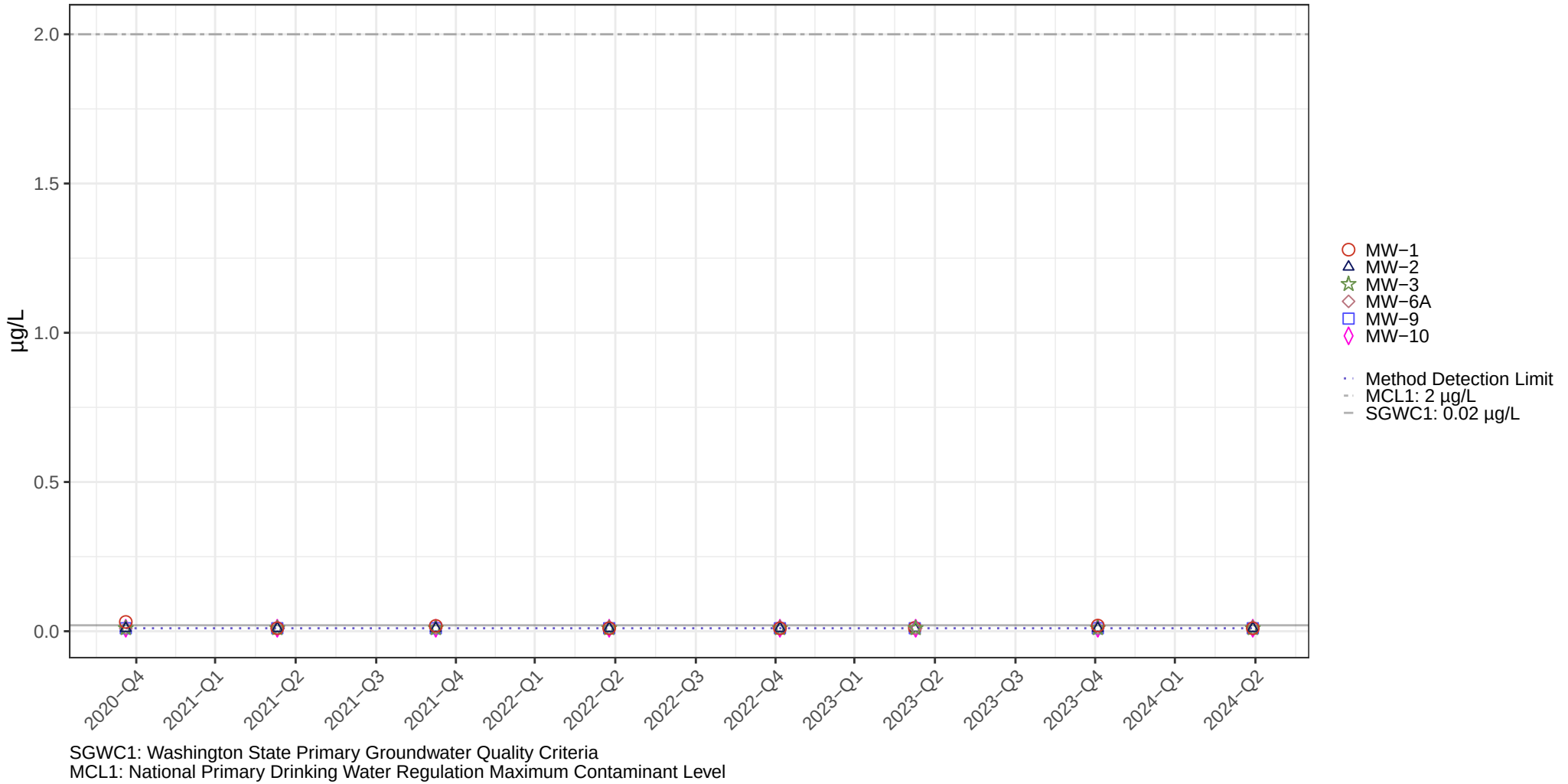
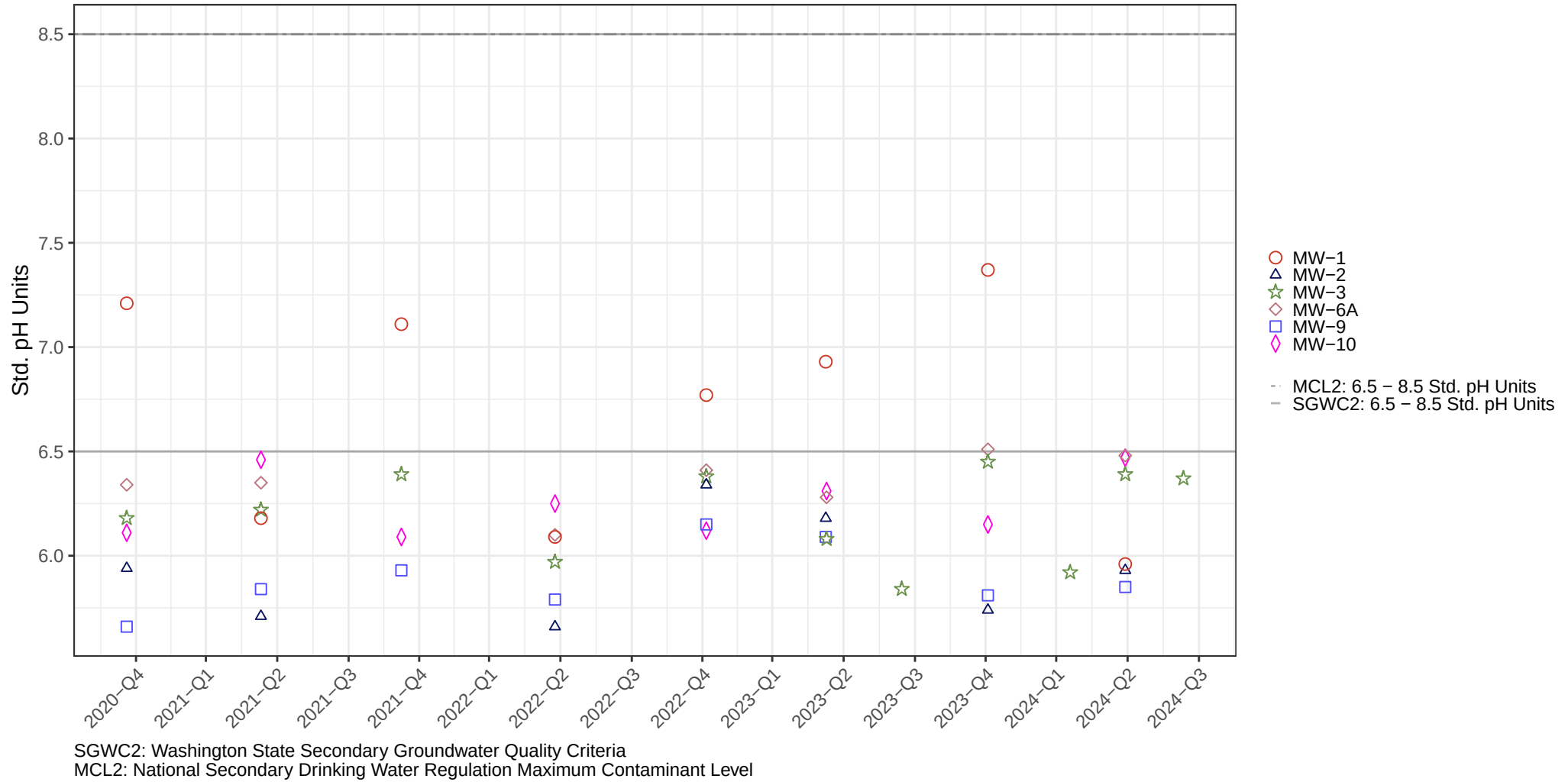


Figure B-17B
pH, Field



APPENDIX C

Potentiometric Surface Maps And Groundwater Flow Calculations



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

October 15, 2024

TO: Marisa Baptiste, Engineer III, Facility Engineering and Science Section, Solid Waste Division (SWD), Department of Natural Resources and Parks (DNRP)

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, SWD, DNRP

RE: Potentiometric Groundwater Surface Maps & Groundwater Velocity Calculations Reporting Year 2023-2024 Results
Enumclaw Closed Landfill, King County, Washington
Project No. 1033594 – Task 22.14.137.43

The King County Water and Land Resources Division (WLRD) submits this memorandum report on groundwater conditions during the 2023 – 2024 reporting year for the recessional glacial outwash aquifer beneath the Enumclaw Closed Landfill (Landfill), in accordance with the *Scope of Work for Services to King County Solid Waste Division – Facility Engineering and Sciences Section* (WLRD, 2023).

Groundwater measurements are recorded semiannually during the second and fourth quarters (April through June and October through December, respectively). This report captures the reporting timeframe of October 1, 2023 to September 30, 2024. King County SWD personnel measured depth to water at the Landfill on December 4, 2023 (fourth quarter 2023) and May 29, 2024 (second quarter 2024). The measurements are used in the following assessments:

1. Evaluate the potentiometric groundwater surface elevations;
2. Determine the groundwater flow directions and horizontal gradients; and
3. Calculate the groundwater flow velocities.

There are no significant changes in groundwater flow direction or hydraulic parameters for the Vashon Outwash Aquifer when compared to the report submitted for the 2022–2023 reporting year.

Groundwater Elevation Data

The SWD measures groundwater levels semiannually at six groundwater monitoring wells: MW-1, MW-2, MW-3, MW-6A, MW-9, and MW-10. These wells are completed in the Vashon Outwash Aquifer as referred to in *Geotechnical Report, Enumclaw Landfill* (R.W. Beck and Associates, 1987).

Table C-1 lists groundwater monitoring well identifications, locations, top of well casing elevations, bottom of screen elevations, measured depth to groundwater, and the calculated groundwater elevations.

Figures C-1 and C-2 show calculated groundwater elevations at each well location, groundwater movement arrows, and the potentiometric surface contours for the Vashon Outwash Aquifer for this reporting year.

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.

Figures C-1 and C-2 show groundwater flow directions in the Vashon Outwash Aquifer for this reporting year. The figures show that groundwater generally flowed westward. Table C-2 reports the semiannual flow direction within the aquifer.

Groundwater Parameters

The horizontal groundwater velocity for the aquifer beneath the Landfill are determined by the aquifer's effective porosity, hydraulic conductivity, and the hydraulic gradient. Average horizontal velocities are calculated using the following equation:

where:

$$v = \frac{I}{n_{eff}} K \frac{\Delta H}{\Delta L}$$

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 C-2 summarizes the groundwater parameters. Horizontal hydraulic conductivity and effective porosity values were reported in *Enumclaw Landfill Monitoring Well and Gas Probe Decommission/Installation Technical Memorandum* (AES, 2000). The horizontal hydraulic conductivity was reported to be 280 feet per day (ft/d) and effective porosity was reported as 36 percent for the Vashon Outwash Aquifer (AES, 2000).

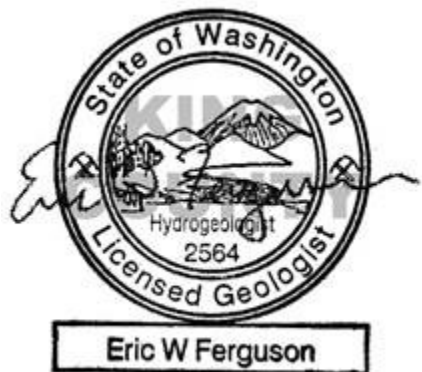
Hydraulic gradients are determined from the change in hydraulic head over a horizontal distance. Average hydraulic gradients are approximately 0.009 and 0.012 ft/ft for the fourth quarter 2023 and second quarter 2024 monitoring events, respectively. Horizontal groundwater velocities are calculated utilizing the equation provided in the opening paragraph of this section. The horizontal groundwater velocities ranged from 7 ft/d to 9 ft/d. Gradients and velocities calculated for this reporting year are similar to values documented in past reports.

References

- Associated Earth Sciences, Inc. (AES). 2000. *Enumclaw Landfill Monitoring Well and Gas Probe Decommission/Installation Technical Memorandum*. August 29.
- 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.
- R.W. Beck and Associates, and Sweet, Edwards, & Associates, September 19, 1987, *Geotechnical Report, Enumclaw Landfill*. Prepared for King County Solid Waste Division.

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 W Ferguson, WA LHG, LG
Water Quality Planner - Hydrogeologist
King County Water and Land Resources Division

Enclosures:

- Table C-1: Well Details and Groundwater Elevations – 2023-2024 Reporting Year
- Table C-2: Groundwater Parameters – 2023-2024 Reporting Year
- Figure C-1: Groundwater Potentiometric Surface Map: Fourth Quarter 2023
- Figure C-2: Groundwater Potentiometric Surface Map: Second Quarter 2024

Table C-1: Well Details and Groundwater Elevations – 2023-2024 Reporting Year

Enumclaw Closed Landfill
King County, Washington

				Fourth Quarter 2023		Second Quarter 2024	
				Water Levels		Water Levels	
				December 4, 2023		May 29, 2024	
Well Identification	Easting ¹	Northing ¹	Top of Casing Elevation ²	Measured Depth to Water ³	Groundwater Elevations ²	Measured Depth to Water ³	Groundwater Elevations ²
	ft	ft	ft MSL	ft	ft MSL	ft	ft MSL
MW-1	1361683.28	78617.71	822.04	65.03	757.01	56.31	765.73
MW-2	1361009.92	78113.62	800.63	50.55	750.08	46.75	753.88
MW-3	1362146.88	77525.48	849.16	91.6	757.56	82.85	766.31
MW-6A	1361451.40	77614.36	843.13	87.89	755.24	80.59	762.54
MW-9	1360967.58	78371.37	829.70	80.93	748.77	76.49	753.21
MW-10	1360932.83	77728.05	803.76	52.31	751.45	47.15	756.61

Notes:

- Reference datum for eastings and northings is the North American Datum of 1983 (NAD83/11).
- Elevations are reported in feet (ft) above mean sea level (MSL) based on the North American Vertical Datum of 1988 (NAVD 88).
- Water level measurements made by the King County SWD personnel.

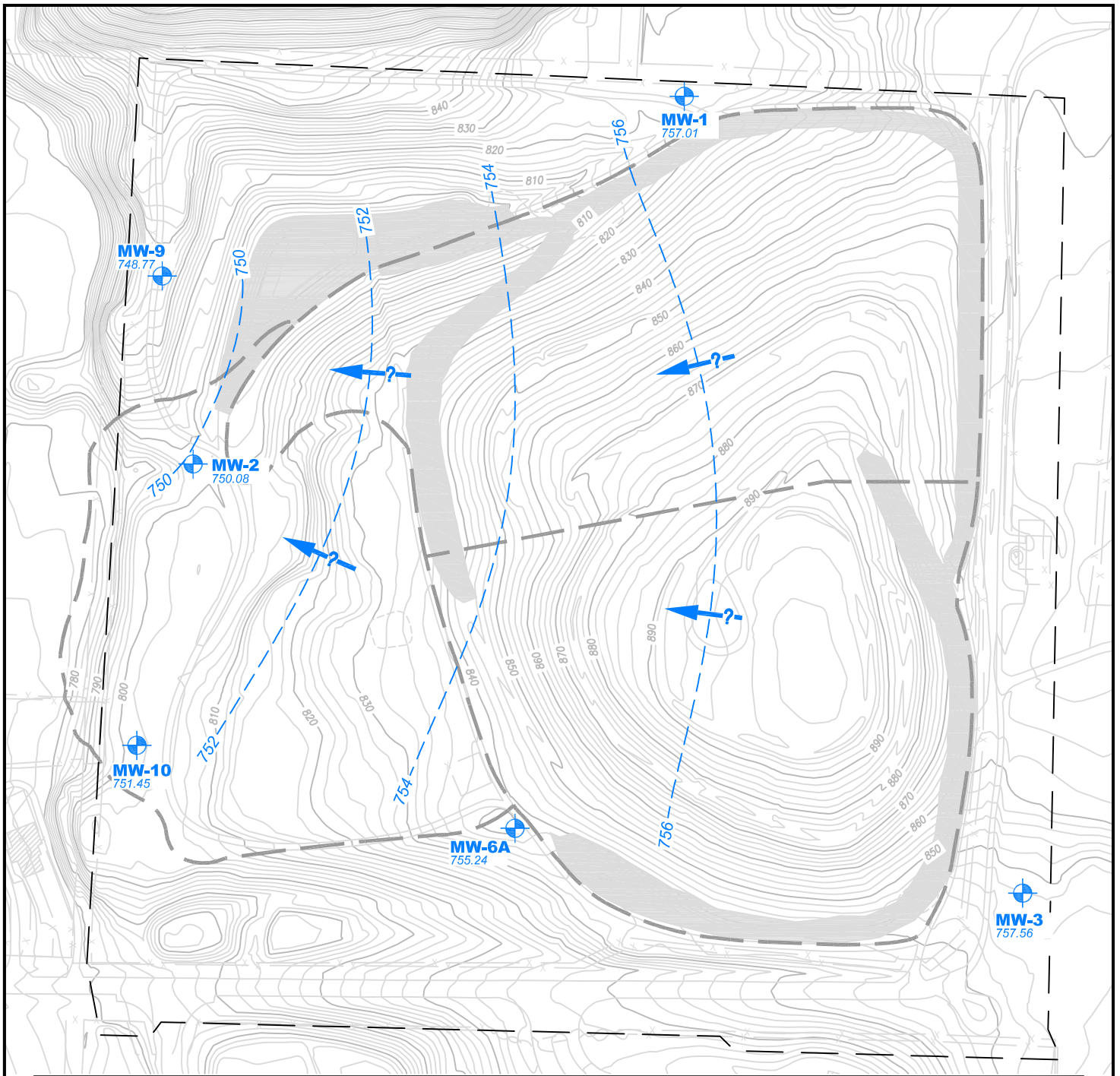
Table C-2: Groundwater Parameters – 2023-2024 Reporting Year

Enumclaw Closed Landfill
King County, Washington

		Horizontal Hydraulic Conductivity ¹		Effective Porosity ¹	Horizontal Hydraulic Gradient ²	Horizontal Groundwater Velocity	General Groundwater Flow Direction
		(K)		(neff)	(DH/DL)	(v)	
Reporting Year Monitoring Events		cm/s	ft/d		ft/ft	ft/d	
Fourth Quarter 2023	December 4, 2023	9.90E-02	280	36%	0.009	7	West
Second Quarter 2024	May 29, 2024	9.90E-02	280	36%	0.012	9	West

Notes:

- Horizontal hydraulic conductivity values and effective porosity values from Enumclaw Landfill Monitoring Well and Gas Probe Decommission/Installation Technical Memorandum (AES, 2000).
- Hydraulic gradients measured from the potentiometric surface map shown on Figures C-1 and C-2.



Legend

MW-3
759.09



Well Completed in Recessional Outwash
Aquifer Groundwater Elevation
(feet mean sea level (MSL))

756 — — —

Inferred Groundwater
Elevation Contour (feet MSL)



Inferred Horizontal Groundwater
Flow Path

Note:
Groundwater level measurements made on
December 04, 2023.



Pond



Bioberm



Road



Drainage Channel



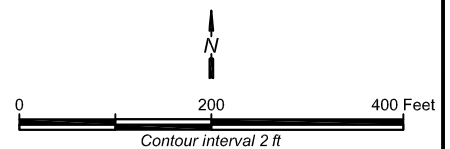
Fence



King County Landfill
Property Line



Building



Locations surveyed on Washington State Plane
Coordinate System, North Zone (NAD 83/11)

Elevations reported in feet above mean sea level based
on the North American Vertical Datum of 1988 (NAVD 88).

Basemap Layer Data: King County Solid Waste Division



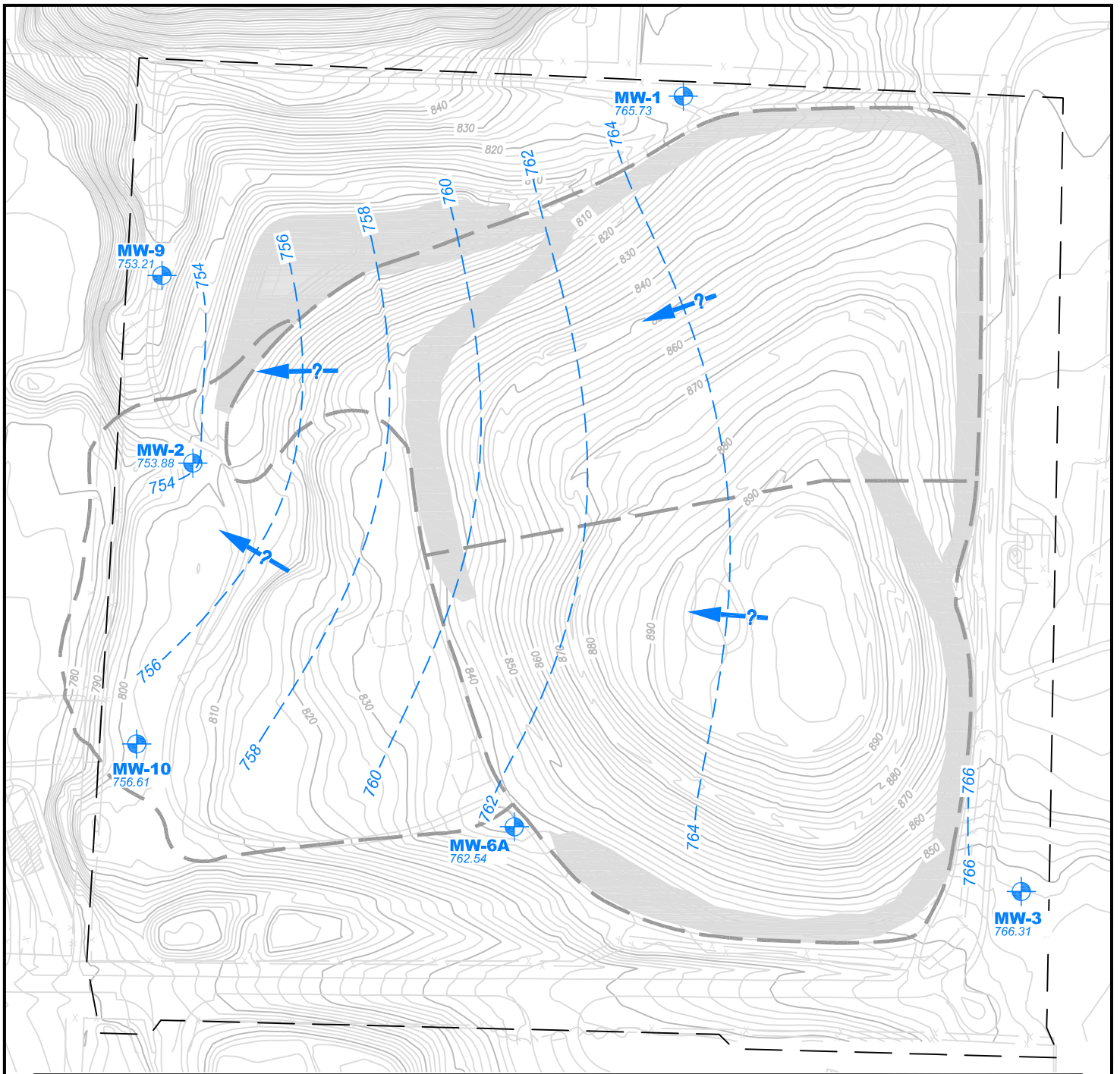
King County

Groundwater Potentiometric Surface Map Fourth Quarter 2023 Enumclaw Closed Landfill Enumclaw, Washington

DATE: August 2024
DESIGNED BY: AMS
DRAWN BY: KK
REVISED BY: EWF

PROJECT NO.
1033594
FIGURE NO.
C-1

Enumclaw_4Q2023.dwg



Legend

MW-3
759.09



Well Completed in Recessional Outwash
Aquifer Groundwater Elevation
(feet mean sea level (MSL))

756 — — —

Inferred Groundwater
Elevation Contour (feet MSL)



Inferred Horizontal Groundwater
Flow Path

Note:
Groundwater level measurements made on May 29,
2024.



Pond



Bioberm



Road



Drainage Channel



Fence



King County Landfill
Property Line



Building



0 200 400 Feet
Contour interval 2 ft

Locations surveyed on Washington State Plane
Coordinate System, North Zone (NAD 83/11)

Elevations reported in feet above mean sea level based
on the North American Vertical Datum of 1988 (NAVD 88).

Basemap Layer Data: King County Solid Waste Division



King County

Groundwater Potentiometric Surface Map Second Quarter 2024

Enumclaw Closed Landfill
Enumclaw, Washington

DATE: August 2024
DESIGNED BY: AMS
DRAWN BY: KK
REVISED BY: EWF

PROJECT NO.

1033594

FIGURE NO.

C-2

Enumclaw_2Q2024.dwg

APPENDIX D

Ion Balances and Trilinear Diagrams

Figure D-1. Enumclaw Trilinear Diagram

Fourth Quarter 2023

October 1, 2023 - December 31, 2023

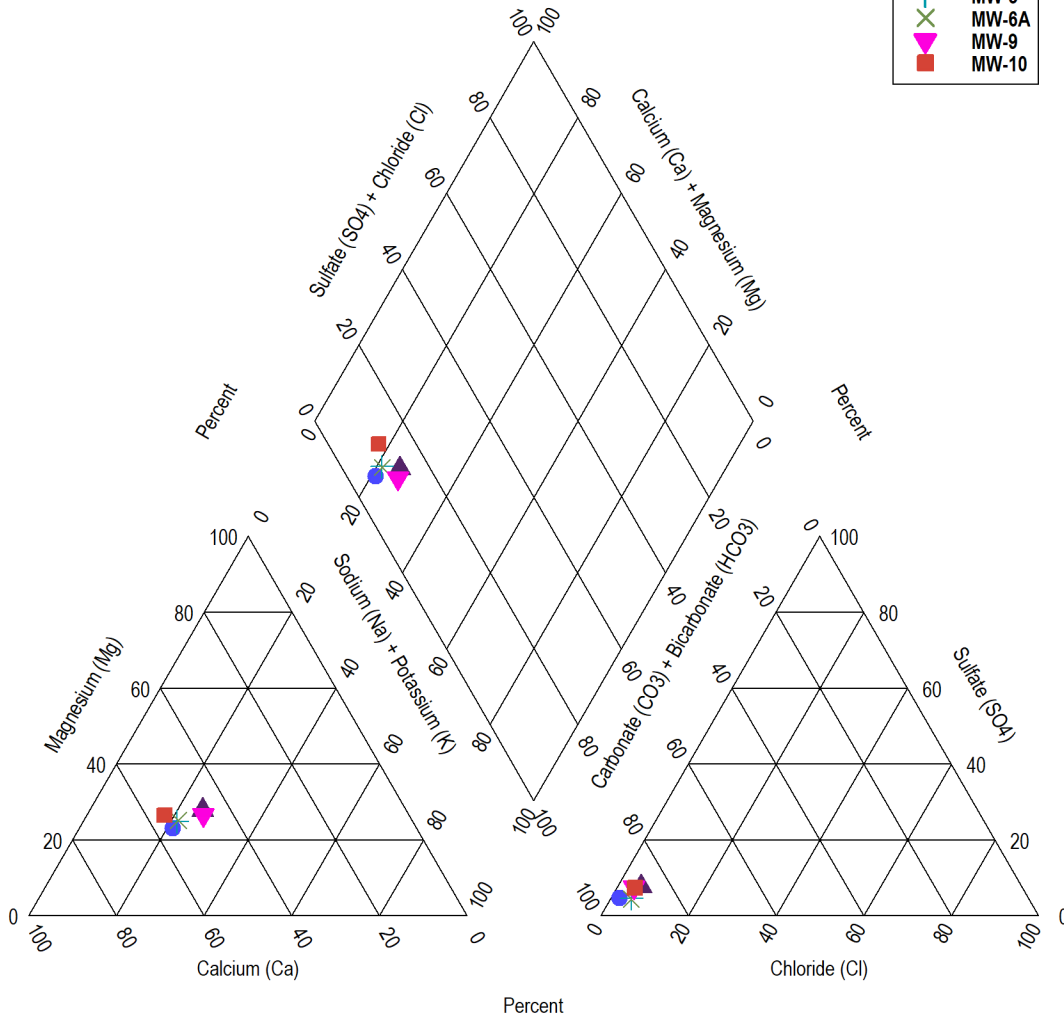
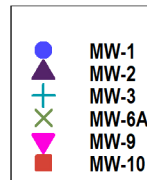


Table D-1

Ion Balance Summary for Groundwater

October 1, 2023 - December 31, 2023

Well Sample Date			MW-1 12/4/2023			MW-2 12/4/2023			MW-3 12/4/2023			MW-6A 12/4/2023			MW-9 12/4/2023			MW-10 12/4/2023		
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	--		7.37			5.74			6.45			6.51			5.81			6.15		
Conductance	--		238			70.00			82.60			82.60			79.40			126		
TDS	--		155			63.30			66.00			68.70			72.70			95.30		
Calcium	40.08	2	30.70	1.53	55.02	6.98	0.3483	46.33	9.35	0.4666	53.75	9.49	0.4736	53.29	8.11	0.4047	46.85	15.40	0.7685	55.80
Magnesium	24.31	2	7.76	0.6386	22.94	2.55	0.2098	27.91	2.62	0.2156	24.84	2.72	0.2238	25.19	2.79	0.2296	26.58	4.44	0.3654	26.53
Potassium	39.10	1	2.01	0.0514	1.85	1.01	0.0258	3.44	0.6890	0.0176	2.03	0.6670	0.0171	1.92	0.9340	0.0239	2.77	1.36	0.0348	2.53
Sodium	22.99	1	12.20	0.5307	19.06	3.85	0.1675	22.28	3.86	0.1679	19.35	4.00	0.1740	19.58	4.72	0.2053	23.77	4.79	0.2084	15.13
Iron	55.85	2	0.0582	0.0021	0.0749	0.0050	0.0002	0.0238	0.0050	0.0002	0.0206	0.0050	0.0002	0.0201	0.0050	0.0002	0.0207	0.0050	0.0002	0.0130
Manganese	54.94	2	0.6350	0.0231	0.8302	0.0024	0.0001	0.0115	0.0001	0.0000	0.0002	0.0001	0.0000	0.0002	0.0007	0.0000	0.0031	0.0001	0.0000	0.0001
Ammonia-N	14.01	1	0.0896	0.0064	0.2297	0.0010	0.0001	0.0095	0.0010	0.0001	0.0082	0.0010	0.0001	0.0080	0.0010	0.0001	0.0083	0.0010	0.0001	0.0052
Total Cations (meq/L)			2.78			0.7518			0.8680			0.8887			0.8638			1.38		
Anion Parameters	Molecular Weight (g/mol)	n																		
Alkalinity, Total	--		124			29.90			36.00			36.90			35.50			53.80		
Carbonate	60.00	2	0.1744	0.0058	0.2188	0.0010	0.0000	0.0047	0.0061	0.0002	0.0237	0.0072	0.0002	0.0277	0.0014	0.0000	0.0056	0.0046	0.0002	0.0117
Bicarbonate	61.01	1	151	2.47	93.10	36.48	0.5978	85.65	43.91	0.7196	83.85	45.00	0.7376	85.45	43.31	0.7098	85.97	65.63	1.08	82.49
Chloride	35.45	1	1.73	0.0488	1.84	1.32	0.0372	5.33	1.34	0.0378	4.40	1.38	0.0389	4.51	1.09	0.0307	3.72	1.79	0.0505	3.87
Nitrate-N	14.01	1	0.0290	0.0021	0.0779	0.1290	0.0092	1.32	0.8990	0.0642	7.48	0.7000	0.0500	5.79	0.3390	0.0242	2.93	1.22	0.0871	6.68
Sulfate	96.06	2	6.08	0.1266	4.76	2.58	0.0537	7.70	1.75	0.0364	4.25	1.75	0.0364	4.22	2.92	0.0608	7.36	4.35	0.0906	6.95
Total Anions (meq/L)			2.66			0.70			0.86			0.86			0.83			1.30		
Total Ions (meq/L)			5.44			1.45			1.73			1.75			1.69			2.68		
Cation/Anion Ratio			1.05			1.08			1.01			1.03			1.05			1.06		
Percent Difference			2.34			3.71			0.56			1.46			2.26			2.73		

Figure D-2. Enumclaw Trilinear Diagrams

Second Quarter 2024

April 1, 2024 - June 30, 2024

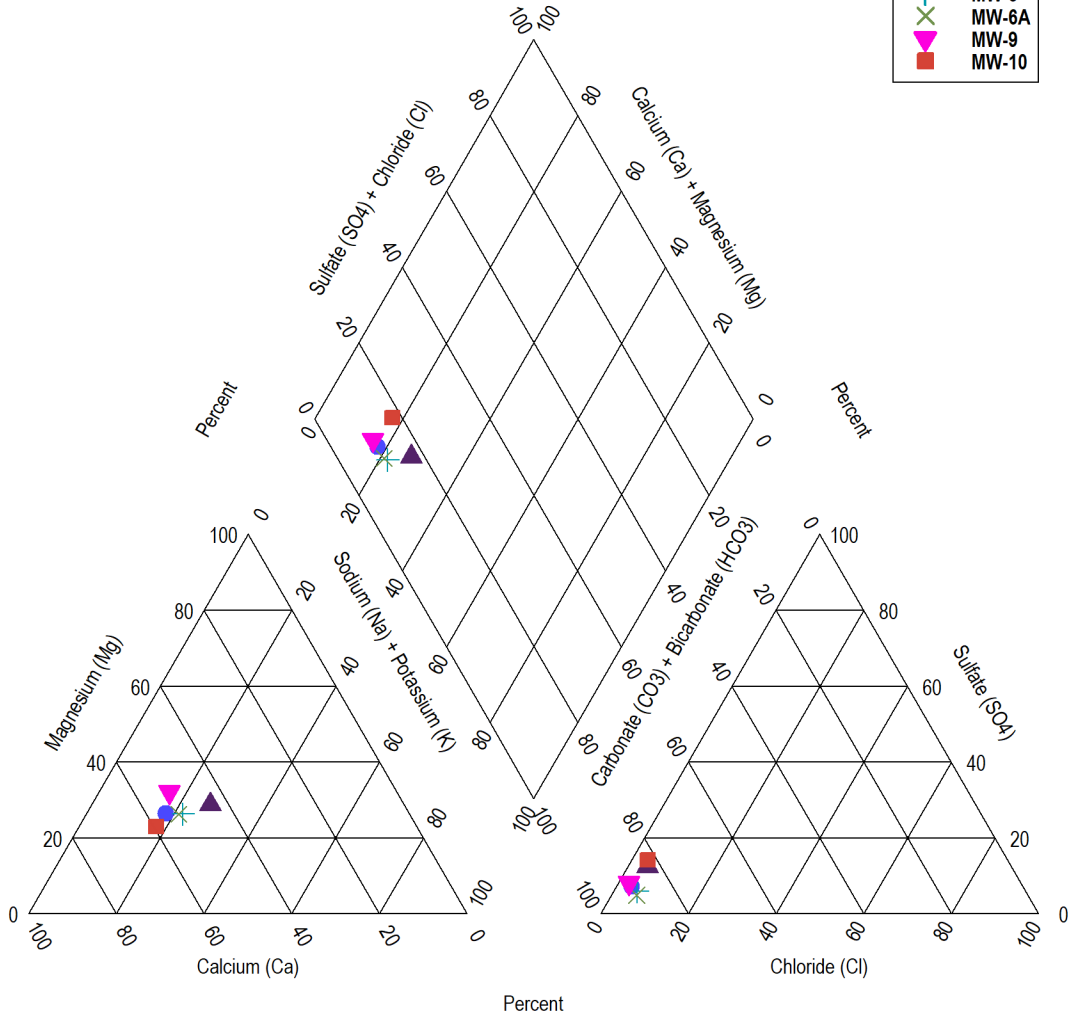
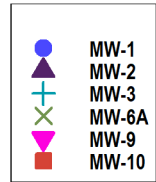


Table D-2

Ion Balance Summary for Groundwater

April 1, 2024 - June 30, 2024

Well Sample Date			MW-1 5/29/2024			MW-2 5/29/2024			MW-3 5/29/2024			MW-6A 5/29/2024			MW-9 5/29/2024			MW-10 5/29/2024		
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	--		5.96			5.93			6.39			6.48			5.85			6.47		
Conductance	--		168			80.20			74.80			84.00			151			147		
TDS	--		121			62.70			62.70			68.00			114			109		
Calcium	40.08	2	21.70	1.08	55.54	7.28	0.3633	44.15	8.55	0.4266	51.65	9.75	0.4865	52.66	17.40	0.8683	51.83	19.60	0.9780	59.45
Magnesium	24.31	2	6.27	0.5160	26.46	2.88	0.2370	28.80	2.64	0.2172	26.30	2.95	0.2428	26.28	6.54	0.5382	32.12	4.60	0.3785	23.01
Potassium	39.10	1	1.57	0.0402	2.06	1.12	0.0286	3.48	0.6490	0.0166	2.01	0.6600	0.0169	1.83	1.25	0.0320	1.91	2.04	0.0522	3.17
Sodium	22.99	1	7.07	0.3075	15.77	4.45	0.1936	23.53	3.80	0.1653	20.01	4.08	0.1775	19.21	5.44	0.2366	14.13	5.43	0.2362	14.36
Iron	55.85	2	0.0050	0.0002	0.0092	0.0050	0.0002	0.0218	0.0050	0.0002	0.0217	0.0050	0.0002	0.0194	0.0050	0.0002	0.0107	0.0050	0.0002	0.0109
Manganese	54.94	2	0.0605	0.0022	0.1130	0.0017	0.0001	0.0075	0.0001	0.0000	0.0002	0.0001	0.0000	0.0002	0.0005	0.0000	0.0011	0.0001	0.0000	0.0001
Ammonia-N	14.01	1	0.0100	0.0007	0.0366	0.0010	0.0001	0.0087	0.0010	0.0001	0.0086	0.0010	0.0001	0.0077	0.0010	0.0001	0.0043	0.0010	0.0001	0.0043
Total Cations (meq/L)			1.95			0.8228			0.8260			0.9239			1.68			1.65		
Anion Parameters	Molecular Weight (g/mol)	n																		
Alkalinity, Total	--		80.60			32.20			33.70			37.90			72.10			62.40		
Carbonate	60.00	2	0.0044	0.0001	0.0080	0.0016	0.0001	0.0068	0.0050	0.0002	0.0202	0.0069	0.0002	0.0250	0.0031	0.0001	0.0063	0.0111	0.0004	0.0230
Bicarbonate	61.01	1	98.32	1.61	87.38	39.28	0.6438	80.19	41.10	0.6737	82.18	46.22	0.7576	82.48	87.96	1.44	88.33	76.11	1.25	77.69
Chloride	35.45	1	2.18	0.0615	3.33	1.23	0.0347	4.32	1.45	0.0409	4.99	1.72	0.0485	5.28	1.38	0.0389	2.39	1.97	0.0556	3.46
Nitrate-N	14.01	1	0.5600	0.0400	2.17	0.3730	0.0266	3.32	0.8410	0.0600	7.32	0.9790	0.0699	7.61	0.2870	0.0205	1.26	1.20	0.0857	5.34
Sulfate	96.06	2	6.30	0.1312	7.11	4.69	0.0976	12.16	2.16	0.0450	5.49	2.03	0.0423	4.60	6.29	0.1310	8.02	10.40	0.2165	13.49
Total Anions (meq/L)			1.84			0.80			0.82			0.92			1.63			1.61		
Total Ions (meq/L)			3.79			1.63			1.65			1.84			3.31			3.25		
Cation/Anion Ratio			1.06			1.02			1.01			1.01			1.03			1.02		
Percent Difference			2.78			1.23			0.38			0.29			1.31			1.22		

APPENDIX E

Groundwater Quality Standards

Water Quality Standards

		National Drinking Water Regulation			Washington State Groundwater Quality Criteria		
Analyte	CAS No.	MCL	Eff. Date	Ref.	Criterion*	Eff. Date	Ref.
Primary Standards							
A. Inorganics							
Antimony	7440-36-0	0.006 mg/L	17-Jan-94	FR v. 57 No.138	0.006 mg/L	17-Jan-94	WAC 173-200
Arsenic c	7440-38-2	0.01 mg/L	23-Jan-06	66 FR 28342	0.05 ug/L	01-Dec-90	WAC 173-200
Asbestos	132207-33-1	7 mf/L	30-Jul-92	FR v. 56 No. 20	7 mf/L	30-Jul-92	WAC 173-200
Barium	7440-39-3	2.0 mg/L	1-Jan-93	FR v. 56 No. 126	1.0 mg/L	01-Dec-90	WAC 173-200
Beryllium	7440-41-7	0.004 mg/L	17-Jan-94	FR v. 57 No.138	0.004 mg/L	17-Jan-94	WAC 173-200
Cadmium	7440-43-9	0.005 mg/L	30-Jul-92	FR v. 56 No. 20	0.005 mg/L	01-Dec-90	WAC 173-200
Chromium	7440-47-3	0.1 mg/L	30-Jul-92	FR v. 56 No. 20	0.05 mg/L	01-Dec-90	WAC 173-200
Copper	7440-50-8	1.3** mg/L	7-Dec-92	FR v. 57 No. 125	1.0 mg/L	01-Dec-90	WAC 173-200
Cyanide	57-12-5	0.2 mg/L	17-Jan-94	FR v. 57 No.138	0.2 mg/L	17-Jan-94	WAC 173-200
Fluoride	16984-48-8	4.0 mg/L	2-Oct-87	40 CFR 141	4.0 mg/L	01-Dec-90	WAC 173-200
Lead	7439-92-1	0.015** mg/L	7-Dec-92	FR v. 57 No. 125	0.015 mg/L	01-Dec-90	WAC 173-200
Mercury	7439-97-6	0.002 mg/L	2-Apr-86	40 CFR 141	0.002 mg/L	01-Dec-90	WAC 173-200
Nickel	7440-02-0	0.1 mg/L	17-Jan-94	FR v. 57 No.138	0.1 mg/L	17-Jan-94	WAC 173-200
Nitrate	14797-55-8	10.0 mg/L	2-Apr-86	FR v. 56 No. 20	10.0 mg/L	01-Dec-90	WAC 173-200
Nitrate and Nitrite	14797-55-8+14797-65-0	10.0 mg/L	30-Jul-92	FR v. 56 No. 20	10.0 mg/L	30-Jul-92	WAC 173-200
Nitrite	14797-65-0	1 mg/L	30-Jul-92	FR v. 56 No. 20	1.0 mg/L	30-Jul-92	WAC 173-200
Selenium	7782-49-2	0.05 mg/L	30-Jul-92	FR v. 56 No. 20	0.01 mg/L	01-Dec-90	WAC 173-200
Silver	7440-22-4	--			0.05 mg/L	01-Dec-90	WAC 173-200
Sodium	7440-23-5	20*** mg/L	20-Sep-04		20*** mg/L	03-Jul-04	WAC 246-290
Thallium	7440-28-0	0.002 mg/L	17-Jan-94	FR v. 57 No.138	0.002 mg/L	17-Jan-94	WAC 173-200
Total Coliforms		1/100 mL	24-Dec-75	40 CFR 141	1/100 mL	01-Dec-90	WAC 173-200
Turbidity		1 NTU	24-Dec-75	40 CFR 141	--	--	--
B. Organic Chemicals							
Alachlor	15972-60-8	2 µg/L	30-Jul-92	FR v. 56 No. 20	2 µg/L	30-Jul-92	WAC 173-200
Atrazine	1912-24-9	3 µg/L	30-Jul-92	FR v. 56 No. 20	3 µg/L	30-Jul-92	WAC 173-200
Benzene c	71-43-2	5 µg/L	9-Jan-89	40 CFR 141	1 µg/L	01-Dec-90	WAC 173-200
Bis(2-ethylhexyl)phthalate	117-81-7	6 µg/L	17-Jan-94	FR v. 57 No.138	6 µg/L	01-Dec-90	WAC 173-200
Bromodichloromethane c	75-27-4	--			0.3 µg/L	01-Dec-90	WAC 173-200
Bromoform c	75-25-2	--			5 µg/L	01-Dec-90	WAC 173-200
Carbofuran	1563-66-2	40 µg/L	30-Jul-92	FR v. 56 No. 20	40 µg/L	30-Jul-92	WAC 173-200
Carbon Tetrachloride c	56-23-5	5 µg/L	9-Jan-89	40 CFR 141	0.3 µg/L	01-Dec-90	WAC 173-200
Chlordane c	5103-71-9	2 µg/L	30-Jul-92	FR v. 56 No. 20	0.06 µg/L	01-Dec-90	WAC 173-200
Chlorobenzene	108-90-7	100 µg/L	30-Jul-92	FR v. 56 No. 20	100 µg/L	30-Jul-92	WAC 173-200
Chlorodibromomethane c	124-48-1	--			0.5 µg/L	01-Dec-90	WAC 173-200
Chloroform c	67-66-3	--			7 µg/L	01-Dec-90	WAC 173-200
2,4-D	94-75-7	70 µg/L	30-Jul-92	FR v. 56 No. 20	70 µg/L	01-Dec-90	WAC 173-200
Dalapon	75-99-0	200 µg/L	17-Jan-94	FR v. 57 No.138	200 µg/L	17-Jan-94	WAC 173-200
1,2-Dibromo-3-chloropropane	96-12-8	0.2 µg/L	30-Jul-92	FR v. 56 No. 20	0.2 µg/L	30-Jul-92	WAC 173-200
1,2-Dichlorobenzene	95-50-1	600 µg/L	30-Jul-92	FR v. 56 No. 20	600 µg/L	30-Jul-92	WAC 173-200
1,4-Dichlorobenzene c	106-46-7	75 µg/L	9-Jan-89	40 CFR 141	4 µg/L	01-Dec-90	WAC 173-200
1,1-Dichloroethane c	75-34-3	--			1 µg/L	01-Dec-90	WAC 173-200
1,2-Dichloroethane c	107-06-2	5 µg/L	9-Jan-89	40 CFR 141	0.5 µg/L	01-Dec-90	WAC 173-200
1,1-Dichloroethene	75-35-4	7 µg/L	9-Jan-89	40 CFR 141	7 µg/L	01-Dec-90	WAC 173-200
c-1,2-Dichloroethene	156-59-2	70 µg/L	30-Jul-92	FR v. 56 No. 20	70 µg/L	30-Jul-92	WAC 173-200
t-1,2-Dichloroethene	156-60-5	100 µg/L	30-Jul-92	FR v. 56 No. 20	100 µg/L	30-Jul-92	WAC 173-200
1,2-Dichloropropane c	78-87-5	5 µg/L	30-Jul-92	FR v. 56 No. 20	0.6 µg/L	01-Dec-90	WAC 173-200
1,3-Dichloropropene tot. c	542-75-6	--			0.2 µg/L	01-Dec-90	WAC 173-200
Di(ethylhexyl)adipate	103-23-1	400 µg/L	17-Jan-94	FR v. 57 No.138	400 µg/L	17-Jan-94	WAC 173-200
Dinoseb	88-85-7	7 µg/L	17-Jan-94	FR v. 57 No.138	7 µg/L	17-Jan-94	WAC 173-200
Diquat	231-36-7	20 µg/L	17-Jan-94	FR v. 57 No.138	20 µg/L	17-Jan-94	WAC 173-200
Endothall	145-73-3	100 µg/L	17-Jan-94	FR v. 57 No.138	100 µg/L	17-Jan-94	WAC 173-200
Endrin	72-20-8	2 µg/L	17-Jan-94	40 CFR 141	0.2 µg/L	01-Dec-90	WAC 173-200
Ethylbenzene	100-41-4	700 µg/L	30-Jul-92	FR v. 56 No. 20	700 µg/L	30-Jul-92	WAC 173-200
Ethylene dibromide c	106-93-4	0.05 µg/L	30-Jul-92	FR v. 56 No. 20	0.001 µg/L	01-Dec-90	WAC 173-200
Glyphosate	1071-83-6	70 µg/L	17-Jan-94	FR v. 57 No.138	70 µg/L	17-Jan-94	WAC 173-200
Heptachlor c	76-44-8	0.4 µg/L	30-Jul-92	FR v. 56 No. 20	0.02 µg/L	01-Dec-90	WAC 173-200
Heptachlor epoxide c	1024-57-3	0.2 µg/L	30-Jul-92	FR v. 56 No. 20	0.009 µg/L	01-Dec-90	WAC 173-200
Hexachlorobenzene	118-74-1	1 µg/L	17-Jan-94	FR v. 57 No.138	0.05 µg/L	01-Dec-90	WAC 173-200
Hexachlorocyclopentadiene (HEX)	77-47-4	50 µg/L	17-Jan-94	FR v. 57 No.138	50 µg/L	17-Jan-94	WAC 173-200
Lindane c	58-89-9	0.2 µg/L	30-Jul-92	FR v. 56 No. 20	0.06 µg/L	01-Dec-90	WAC 173-200

Water Quality Standards

Analyte	CAS No.	National Drinking Water Regulation			Ref.	Washington State Groundwater Quality Criteria			Ref.
		MCL		Eff. Date		Criterion*		Eff. Date	
Methoxychlor	72-43-5	40	µg/L	30-Jul-92	FR v. 56 No. 20	40	µg/L	30-Jul-92	WAC 173-200
Methylene Chloride c	75-09-2	5	µg/L	17-Jan-94	FR v. 57 No.138	5	µg/L	17-Jan-94	WAC 173-200
Oxamyl (vydate)	23135-22-0	200	µg/L	17-Jan-94	FR v. 57 No.138	200	µg/L	17-Jan-94	WAC 173-200
PAHs [Benzo(a)pyrene]		0.2	µg/L	17-Jan-94	FR v. 57 No.138	0.01	µg/L	17-Jan-94	WAC 173-200
PCBs c	27323-18-8	0.5	µg/L	30-Jul-92	FR v. 56 No. 20	0.01	µg/L	01-Dec-90	WAC 173-200
Pentachlorophenol	87-86-5	1	µg/L	1-Jan-93	FR v. 56 No. 126	1	µg/L	01-Jan-93	WAC 173-200
Picloram	1918-02-1	500	µg/L	17-Jan-94	FR v. 57 No.138	500	µg/L	17-Jan-94	WAC 173-200
Simazine	122-34-9	4	µg/L	17-Jan-94	FR v. 57 No.138	4	µg/L	17-Jan-94	WAC 173-200
Styrene	100-42-5	100	µg/L	30-Jul-92	FR v. 56 No. 20	100	µg/L	30-Jul-92	WAC 173-200
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	3E-05	µg/L	17-Jan-94	FR v. 57 No.138	0.0000006	µg/L	01-Dec-90	WAC 173-200
Tetrachloroethylene c	127-18-4	5	µg/L	30-Jul-92	FR v. 56 No. 20	0.8	µg/L	30-Jul-92	WAC 173-200
Toluene	108-88-3	1000	µg/L	30-Jul-92	FR v. 56 No. 20	1000	µg/L	30-Jul-92	WAC 173-200
Total Trihalomethanes c	75-27-4, 75-25-2, 124-48-1, 67-66-3	100	µg/L	29-Nov-79	40 CFR 141	--	--	--	--
Toxaphene c	8001-35-2	3	µg/L	30-Jul-92	FR v. 56 No. 20	0.08	µg/L	01-Dec-90	WAC 173-200
2,4,5-TP	93-72-1	50	µg/L	30-Jul-92	FR v. 56 No. 20	10	µg/L	01-Dec-90	WAC 173-200
1,2,4-Trichlorobenzene	120-82-1	70	µg/L	17-Jan-94	FR v. 57 No.138	70	µg/L	17-Jan-94	WAC 173-200
1,1,1-Trichloroethane	71-55-6	200	µg/L	9-Jan-89	40 CFR 141	200	µg/L	01-Dec-90	WAC 173-200
1,1,2-Trichloroethane	79-00-5	5	µg/L	17-Jan-94	FR v. 57 No.138	5	µg/L	17-Jan-94	WAC 173-200
Trichloroethylene (TCE) c	79-01-6	5	µg/L	9-Jan-89	40 CFR 141	3	µg/L	01-Dec-90	WAC 173-200
Vinyl chloride c	75-01-4	2	µg/L	9-Jan-89	40 CFR 141	0.02	µg/L	01-Dec-90	WAC 173-200
Xylenes (total)	1330-20-7	10000	µg/L	30-Jul-92	FR v. 56 No. 20	10000	µg/L	30-Jul-92	WAC 173-200
C. Radionuclides and Radioactivity									
Radium 226 & Radium 228		5	pCi/L	9-Jul-76	FR v. 41 No. 133	5	pCi/L	01-Dec-90	WAC 173-200
Radium 226	13982-63-3	--				3	pCi/L	01-Dec-90	WAC 173-200
Radium 228	15262-20-1	--				5	pCi/L	01-Dec-90	WAC 173-200
Gross Alpha particle activity		15	pCi/L	9-Jul-76	FR v. 41 No. 133	15	pCi/L	01-Dec-90	WAC 173-200
Tritium	10028-17-8	20,000	pCi/L	9-Jul-76	FR v. 41 No. 133	20,000	pCi/L	01-Dec-90	WAC 173-200
Strontium	7440-24-6	8	pCi/L	9-Jul-76	FR v. 41 No. 133	8	pCi/L	01-Dec-90	WAC 173-200
Gross Beta particle activity		50	pCi/L	9-Jul-76	FR v. 41 No. 133	50	pCi/L	01-Dec-90	WAC 173-200
D. Additional Carcinogens Listed in Groundwater Criteria									
Acrylamide	79-06-1	--				0.02	µg/L	01-Dec-90	WAC 173-200
Acrylonitrile	107-13-1	--				0.07	µg/L	01-Dec-90	WAC 173-200
Aldrin	309-00-2	--				0.005	µg/L	01-Dec-90	WAC 173-200
Aniline	62-53-3	--				14	µg/L	01-Dec-90	WAC 173-200
Aramite	140-57-8	--				3	µg/L	01-Dec-90	WAC 173-200
Azobenzene	103-33-3	--				0.7	µg/L	01-Dec-90	WAC 173-200
Benzidine	92-87-5	--				0.0004	µg/L	01-Dec-90	WAC 173-200
Benzo(a)pyrene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Benzo(a)anthracene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Benzo(b)fluoranthene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Benzo(k)fluoranthene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Benzo(e)pyrene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Benzo(g,h,i)perylene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Benzo(a)anthracene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Benzo(b)fluoranthene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Benzo(k)fluoranthene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Benzo(e)pyrene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Benzo(g,h,i)perylene	50-32-8	--				0.008	µg/L	01-Dec-90	WAC 173-200
Bis(chloroethyl)ether	111-44-4	--				0.07	µg/L	01-Dec-90	WAC 173-200
Bis(chloromethyl)ether	542-88-1	--				0.0004	µg/L	01-Dec-90	WAC 173-200
Carbazole	86-74-8	--				5	µg/L	01-Dec-90	WAC 173-200
4-Chloro-2-methyl aniline	95-69-2	--				0.1	µg/L	01-Dec-90	WAC 173-200
4-Chloro-2-methyl aniline hydrochloride	3165-93-3	--				0.2	µg/L	01-Dec-90	WAC 173-200
o-Chloronitrobenzene	88-73-3	--				3	µg/L	01-Dec-90	WAC 173-200
p-Chloronitrobenzene	100-00-5	--				5	µg/L	01-Dec-90	WAC 173-200
Chlorthalonil	1897-45-6	--				30	µg/L	01-Dec-90	WAC 173-200
Diallate	2303-16-4	--				1	µg/L	01-Dec-90	WAC 173-200
DDT (includes DDE and DDD)	50-29-3, 72-55-9, 72-54-8	--				0.3	µg/L	01-Dec-90	WAC 173-200
1,2-Dibromomethane	106-93-4	--				0.001	µg/L	01-Dec-90	WAC 173-200
3,3'-Dichlorobenzidine	91-94-1	--				0.2	µg/L	01-Dec-90	WAC 173-200
Dichlorovos	62-73-7	--				0.3	µg/L	01-Dec-90	WAC 173-200
Dieldrin	60-57-1	--				0.005	µg/L	01-Dec-90	WAC 173-200
3,3'-Dimethoxybenzidine	119-90-4	--				6.0	µg/L	01-Dec-90	WAC 173-200
3,3'-Dimethylbenzidine	119-93-7	--				0.007	µg/L	01-Dec-90	WAC 173-200
1,2-Dimethylhydrazine	540-73-8	--				60	µg/L	01-Dec-90	WAC 173-200
2,4-Dinitrotoluene	121-14-2	--				0.1	µg/L	01-Dec-90	WAC 173-200
2,6-Dinitrotoluene	606-20-2	--				0.1	µg/L	01-Dec-90	WAC 173-200
1,4-Dioxane	123-91-1	--				7	µg/L	01-Dec-90	WAC 173-200
1,2-Diphenylhydrazine	122-66-7	--				0.09	µg/L	01-Dec-90	WAC 173-200

Water Quality Standards

Analyte	CAS No.	National Drinking Water Regulation			Washington State Groundwater Quality Criteria		
		MCL	Eff. Date	Ref.	Criterion*	Eff. Date	Ref.
Direct Black 38	1937-37-7	--			0.009 µg/L	01-Dec-90	WAC 173-200
Direct Blue 6	2602-46-2	--			0.009 µg/L	01-Dec-90	WAC 173-200
Direct Brown 95	16071-86-6	--			0.009 µg/L	01-Dec-90	WAC 173-200
Epichlorohydrin	106-89-8	--			8 µg/L	01-Dec-90	WAC 173-200
Ethyl acrylate	140-88-5	--			2 µg/L	01-Dec-90	WAC 173-200
Ethylene thiourea	96-45-7	--			2 µg/L	01-Dec-90	WAC 173-200
Folpet	133-07-3	--			20 µg/L	01-Dec-90	WAC 173-200
Furazolidone	67-45-8	--			0.02 µg/L	01-Dec-90	WAC 173-200
Furium	531-82-8	--			0.002 µg/L	01-Dec-90	WAC 173-200
Furmecyclox	60568-05-0	--			3 µg/L	01-Dec-90	WAC 173-200
Hexachlorocyclohexane (alpha)	319-84-6	--			0.001 µg/L	01-Dec-90	WAC 173-200
Hexachlorocyclohexane (technical)	608-73-1	--			0.05 µg/L	01-Dec-90	WAC 173-200
Hexachlorodibenzo-p-dioxin, mix	34465-46-8	--			0.00001 µg/L	01-Dec-90	WAC 173-200
Hydrazine/hydrazine sulfate	302-01-2/10034-93-2	--			0.03 µg/L	01-Dec-90	WAC 173-200
2-Methoxy-5-nitroaniline	99-59-2	--			2.0 µg/L	01-Dec-90	WAC 173-200
2-Methylaniline	95-53-4	--			0.2 µg/L	01-Dec-90	WAC 173-200
2-Methylaniline hydrochloride	636-21-5	--			0.5 µg/L	01-Dec-90	WAC 173-200
4,4'-Methylene bis(N,N'-dimethyl) aniline	101-61-1	--			2.0 µg/L	01-Dec-90	WAC 173-200
Mirex	2385-85-5	--			0.05 µg/L	01-Dec-90	WAC 173-200
Nitrofurazone	59-87-0	--			0.06 µg/L	01-Dec-90	WAC 173-200
N-Nitrosodiethanolamine	1116-54-7	--			0.03 µg/L	01-Dec-90	WAC 173-200
N-Nitrosodiethylamine	55-18-5	--			0.0005 µg/L	01-Dec-90	WAC 173-200
N-Nitrosodimethylamine	62-75-9	--			0.002 µg/L	01-Dec-90	WAC 173-200
N-Nitrosodiphenylamine	86-30-6	--			17.0 µg/L	01-Dec-90	WAC 173-200
N-Nitroso-di-n-propylamine	621-64-7	--			0.01 µg/L	01-Dec-90	WAC 173-200
N-Nitrosopyrrolidine	930-55-2	--			0.04 µg/L	01-Dec-90	WAC 173-200
N-Nitroso-di-n-butylamine	924-16-3	--			0.02 µg/L	01-Dec-90	WAC 173-200
N-Nitroso-N-methylethylamine	10595-95-6	--			0.004 µg/L	01-Dec-90	WAC 173-200
PBBs	59536-65-1	--			0.01 µg/L	01-Dec-90	WAC 173-200
o-Phenylenediamine	95-54-5	--			0.005 µg/L	01-Dec-90	WAC 173-200
Propylene oxide	75-56-9	--			0.01 µg/L	01-Dec-90	WAC 173-200
p,a,a,a-Tetrachlorotoluene	5216-25-1	--			0.004 µg/L	01-Dec-90	WAC 173-200
2,4-Toluenediamine	95-80-7	--			0.002 µg/L	01-Dec-90	WAC 173-200
o-Toluidine	95-53-4	--			0.2 µg/L	01-Dec-90	WAC 173-200
2,4,6-Trichlorophenol	88-06-2	--			4.0 µg/L	01-Dec-90	WAC 173-200
Trimethyl phosphate	512-56-1	--			2.0 µg/L	01-Dec-90	WAC 173-200
Secondary Standards							
Aluminum	7429-90-5	0.05-0.2 mg/L	30-Jul-92	FR v. 56 No. 20	0.05-0.2 mg/L	30-Jul-92	WAC 173-200
Copper	7440-50-8	1.0 mg/L	7-Dec-92	FR v. 57 No. 125	1.0 mg/L	01-Dec-90	WAC 173-200
Iron	7439-89-6	0.3 mg/L	2-Apr-86	40 CFR 143	0.3 mg/L	01-Dec-90	WAC 173-200
Manganese	7439-96-5	0.05 mg/L	2-Apr-86	40 CFR 143	50 ug/L	01-Dec-90	WAC 173-200
Color		15 units	2-Apr-86	40 CFR 143	15 units	01-Dec-90	WAC 173-200
pH	12408-02-5	6.5-8.5 units	2-Apr-86	40 CFR 143	6.5-8.5 units	01-Dec-90	WAC 173-200
Specific Conductivity		--			700 µS/cm		WAC 246-290
Total Dissolved Solids		500 mg/L	2-Apr-86	40 CFR 143	500 mg/L	01-Dec-90	WAC 173-200
Chloride	16887-00-6	250 mg/L	2-Apr-86	40 CFR 143	250 mg/L	01-Dec-90	WAC 173-200
Fluoride	16984-48-8	2.0 mg/L	2-Apr-86	40 CFR 143	p		
Silver	7440-22-4	0.1 mg/L	30-Jul-92	FR v. 56 No. 20	p		
Sulfate	14808-79-8	250 mg/L	2-Apr-86	40 CFR 143	250 mg/L	01-Dec-90	WAC 173-200
Surfactants		0.5 mg/L	2-Apr-86	40 CFR 143	0.5 mg/L	01-Dec-90	WAC 173-200
Corrosivity		non-corrosive	2-Apr-86	40 CFR 143	non-corrosive	01-Dec-90	WAC 173-200
Odor-Threshold		3 units	2-Apr-86	40 CFR 143	3 units	01-Dec-90	WAC 173-200
Zinc	7440-66-6	5.0 mg/L	2-Apr-86	40 CFR 143	5.0 mg/L	01-Dec-90	WAC 173-200
NOTES:					mg/L = milligrams per liter		
p = Listed as a primary standard					m/L = million fibers per liter		
c = Listed as a carcinogen in the Washington State Groundwater Quality Criteria					mL = milliliter		
-- = no standard established					NTU = Nephelometric Turbidity Unit		
* = Criteria shall be the most stringent concentration of the Federal MCLG, MCL, or State MCL					µg/L = micrograms per liter		
** = treatment technique in lieu of an MCL					pCi/L = per liter		
*** = A Drinking Water Advisory, not an enforceable standard.					µS/cm = microSiemen per centimeter		
National Primary and Secondary Drinking Water Regulations (40 CFR Parts 141 and 143)					units = standard unit for either color, pH, or odor		
Washington State Groundwater Quality Criteria = Water Quality Standards for Groundwaters of the State of Washington (WAC 173-200)					MCL = Maximum Contaminant Level		
					MCLG = Maximum Contaminant Level Goal		

Compiled by KCSWD 01/12/1994. Revised 3/15/2023

APPENDIX F

Groundwater Quality Exceedances And VOC Detection Reports

Table F-1
Summary of Groundwater Quality Criteria Exceedances
October 01, 2023 to September 30, 2024

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
pH, Field	pH units	MW-1	05/29/2024	5.96	MCL2; SGWC2	< 6.5
		MW-2	12/04/2023	5.74		
		MW-2	05/29/2024	5.93		
		MW-3	12/04/2023	6.45		
		MW-3	08/12/2024	6.37		
		MW-3	05/29/2024	6.39		
		MW-3	03/19/2024	5.92		
		MW-6A	05/29/2024	6.48		
		MW-9	12/04/2023	5.81		
		MW-9	05/29/2024	5.85		
		MW-10	12/04/2023	6.15		
		MW-10	05/29/2024	6.47		
Arsenic, Total	µg/L	MW-1	12/04/2023	8.41	SGWC1	0.05
		MW-1	05/29/2024	2.01		
		MW-2	12/04/2023	0.140		
		MW-2	05/29/2024	0.161		
		MW-3	12/04/2023	0.179		
		MW-3	08/12/2024	0.193		
		MW-3	05/29/2024	0.188		
		MW-3	03/19/2024	0.190		
		MW-6A	05/29/2024	0.169		
		MW-6A	12/04/2023	0.143		
		MW-9	12/04/2023	0.112		
		MW-9	05/29/2024	0.150		
		MW-10	12/04/2023	0.105		
		MW-10	05/29/2024	0.138		
Manganese, Total	µg/L	MW-1	12/04/2023	636	MCL2; SGWC2	50 ¹ ; 50
		MW-1	05/29/2024	72.90		
Manganese, Dissolved	µg/L	MW-1	12/04/2023	635	MCL2; SGWC2	50 ¹ ; 50
		MW-1	05/29/2024	60.50		

¹MCL2 for manganese is 0.05 mg/L. Converted standards to µg/L in the table.

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

Table F-2
Summary of Groundwater VOC Detections
October 01, 2023 to September 30, 2024

Parameter	Units	Well	Sample Date	Sample Value	Regulatory Standard	Regulatory Limit
Vinyl Chloride	µg/L	MW-1	12/04/2023	0.019 DJT	MCL1; SGWC1	2; 0.02

MCL1 = National Primary Drinking Water Regulation Maximum Contaminant Level.

SGWC1 = Washington State Primary Groundwater Quality Criteria.

See Appendix A for Data Qualifier Information

Table F-3
Summary of Trip, Field, and Method Blanks Volatile Organic Compound Detections
October 01, 2023 to September 30, 2024

Summary of trip blank volatile organic compound detections

Compound	Units	Sample ID	Date	Sample Value
There were no volatile organic compounds detected in trip blanks.				

Summary of field blank volatile organic compound detections

Compound	Units	Sample ID	Date	Sample Value
There were no volatile organic compounds detected in field blanks.				

Summary of method blank volatile organic compound detections

Compound	Units	Workgroup ID	Date	Sample Value
There were no volatile organic compounds detected in method blanks.				

See Appendix A for Data Qualifier Information

APPENDIX G

Landfill Gas Data

Table G-1
Landfill Gas Monitoring Data
October 2023 to September 2024

Location ID	Sample Date	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	CH4 (% LEL)	Static Pressure (in. H2O)	Map Location (see Fig. 2)
GP-3S	10/12/2023	0	1.9	17.40	0	NA	GP-3
GP-3S	1/5/2024	0	3.5	16.80	0	0.02	
GP-3S	4/4/2024	0	3.1	18.60	0	0.07	
GP-3S	7/9/2024	0	2.1	18.60	0	-0.02	
GP-3D	10/12/2023	0	1.9	18.50	0	NA	
GP-3D	1/5/2024	0	4.1	14.60	0	0.02	
GP-3D	4/4/2024	0	4.6	16.30	0	-0.07	
GP-3D	7/9/2024	0	4.1	15.90	0	-0.23	
GP-6S	10/12/2023	0	2.4	6.40	0	NA	GP-6
GP-6S	11/17/2023	0	0.3	21.00	0	0.02	
GP-6S	12/12/2023	0	0.1	21.00	0	-0.01	
GP-6S	1/5/2024	0	0.3	20.30	0	0.07	
GP-6S	2/7/2024	0	0.7	19.90	0	-0.07	
GP-6S	3/6/2024	0	0.1	20.60	0	0.08	
GP-6S	4/4/2024	0	0.1	20.80	0	-0.04	
GP-6S	5/2/2024	0	0.2	20.60	0	-0.08	
GP-6S	6/4/2024	0	0.5	20.10	0	0.54	
GP-6S	7/9/2024	0	0.1	20.00	0	0.06	
GP-6S	8/1/2024	0	0.1	19.80	0	0.01	
GP-6S	9/5/2024	0	0.1	20.60	0	0.03	
GP-6I	10/12/2023	0	1.4	18.40	0	NA	
GP-6I	11/17/2023	0	2.6	17.40	0	-0.01	
GP-6I	12/12/2023	0	2.9	16.30	0	-0.06	
GP-6I	1/5/2024	0	3.2	13.70	0	0.04	
GP-6I	2/7/2024	0	3.3	15.40	0	-0.01	
GP-6I	3/6/2024	0	0.6	20.20	0	-0.01	
GP-6I	4/4/2024	0	1.0	19.30	0	0.03	
GP-6I	5/2/2024	0	1.4	17.30	0	0.01	
GP-6I	6/4/2024	0	2.6	14.20	0	0.04	
GP-6I	7/9/2024	0	2.1	14.80	0	-0.01	
GP-6I	8/1/2024	0	2.2	13.90	0	-0.04	
GP-6I	9/5/2024	0	3.3	14.70	0	-0.02	
GP-6D	10/12/2023	0	1.1	18.90	0	NA	
GP-6D	11/17/2023	0	0.8	20.30	0	0.03	
GP-6D	12/12/2023	0	2.5	17.20	0	-0.04	
GP-6D	1/5/2024	0	3.4	13.50	0	0.03	
GP-6D	2/7/2024	0	3.7	14.10	0	0.05	
GP-6D	3/6/2024	0	0.4	20.30	0	0.06	
GP-6D	4/4/2024	0	1.0	19.40	0	0.00	
GP-6D	5/2/2024	0	1.0	19.00	0	0.02	
GP-6D	6/4/2024	0	2.5	15.90	0	0.04	
GP-6D	7/9/2024	0	2.5	14.10	0	0.04	
GP-6D	8/1/2024	0	1.4	16.80	0	0.02	
GP-6D	9/5/2024	0	2.8	14.50	0	0.02	

Table G-1
Landfill Gas Monitoring Data
October 2023 to September 2024

Location ID	Sample Date	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	CH4 (% LEL)	Static Pressure (in. H2O)	Map Location (see Fig. 2)
GP-7S	10/12/2023	0	2.1	17.70	0	NA	GP-7
GP-7S	11/17/2023	0	7.7	0.30	0	6.98	
GP-7S	12/12/2023	0	8.1	0.40	0	4.01	
GP-7S	1/5/2024	0	8.2	1.20	0	1.21	
GP-7S	2/7/2024	0	7.4	4.00	0	0.29	
GP-7S	3/6/2024	0	5.2	7.20	0	0.23	
GP-7S	4/4/2024	0	6.9	3.40	0	0.08	
GP-7S	5/2/2024	0	7.0	2.80	0	-0.04	
GP-7S	6/4/2024	0	6.9	3.80	0	0.78	
GP-7S	7/9/2024	0	5.0	7.10	0	0.03	
GP-7S	8/1/2024	0	5.6	7.50	0	0.04	
GP-7S	9/5/2024	0	6.2	3.40	0	-0.05	
GP-7I	10/12/2023	0	1.5	16.00	0	NA	GP-7
GP-7I	11/17/2023	0	3.9	10.70	0	0.77	
GP-7I	12/12/2023	0	0.9	18.40	0	-0.01	
GP-7I	1/5/2024	0	0.5	19.50	0	-0.04	
GP-7I	2/7/2024	0	0.5	19.70	0	-0.15	
GP-7I	3/6/2024	0	0.2	20.50	0	-0.20	
GP-7I	4/4/2024	0	0.2	20.90	0	-0.31	
GP-7I	5/2/2024	0	0.2	20.60	0	0.00	
GP-7I	6/4/2024	0	0.4	20.40	0	-0.18	
GP-7I	7/9/2024	0	0.2	19.90	0	0.03	
GP-7I	8/1/2024	0	0.7	17.10	0	-0.84	
GP-7I	9/5/2024	0	2.0	14.40	0	-0.15	
GP-7D	10/12/2023	0	0.1	20.30	0	NA	GP-7
GP-7D	11/17/2023	0	1.2	17.20	0	-0.13	
GP-7D	12/12/2023	0	0.4	19.20	0	0.01	
GP-7D	1/5/2024	0	0.3	20.20	0	0.07	
GP-7D	2/7/2024	0	0.4	19.90	0	0.02	
GP-7D	3/6/2024	0	0.2	20.40	0	-0.01	
GP-7D	4/4/2024	0	0.2	20.70	0	0.00	
GP-7D	5/2/2024	0	0.1	20.80	0	-0.02	
GP-7D	6/4/2024	0	0.3	20.50	0	0.08	
GP-7D	7/9/2024	0	0.1	20.00	0	0.30	
GP-7D	8/1/2024	0	0.1	19.90	0	0.03	
GP-7D	9/5/2024	0	0.1	20.40	0	0.04	
GP-8I	10/12/2023	0	0.5	19.70	0	NA	GP-8
GP-8I	11/17/2023	0	0.8	20.70	0	-0.02	
GP-8I	12/12/2023	0	1.4	17.00	0	-0.03	
GP-8I	1/5/2024	0	1.8	17.10	0	0.10	
GP-8I	2/7/2024	0	2.4	16.50	0	-0.27	
GP-8I	3/6/2024	0	2.4	17.60	0	0.01	
GP-8I	4/4/2024	0	1.1	19.90	0	0.01	
GP-8I	5/2/2024	0	0.9	19.90	0	0.03	
GP-8I	6/4/2024	0	0.9	19.80	0	0.27	
GP-8I	7/9/2024	0	0.5	19.70	0	-0.01	
GP-8I	8/1/2024	0	0.4	19.50	0	-0.01	
GP-8I	9/5/2024	0	0.4	19.90	0	0.03	

Table G-1
Landfill Gas Monitoring Data
October 2023 to September 2024

Location ID	Sample Date	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	CH4 (% LEL)	Static Pressure (in. H2O)	Map Location (see Fig. 2)
GP-8D	10/12/2023	0	0.5	19.70	0	NA	GP-8
GP-8D	11/17/2023	0	1.7	19.10	0	-0.05	
GP-8D	12/12/2023	0	3.5	12.30	0	-0.04	
GP-8D	1/5/2024	0	3.5	13.60	0	0.02	
GP-8D	2/7/2024	0	4.7	11.70	0	0.00	
GP-8D	3/6/2024	0	4.9	12.00	0	0.00	
GP-8D	4/4/2024	0	3.1	17.20	0	-0.04	
GP-8D	5/2/2024	0	0.7	20.40	0	-0.09	
GP-8D	6/4/2024	0	0.5	20.30	0	0.06	
GP-8D	7/9/2024	0	0.3	19.80	0	0.02	
GP-8D	8/1/2024	0	0.3	19.60	0	-0.05	
GP-8D	9/5/2024	0	0.2	20.10	0	0.03	
GP-9S	10/12/2023	0	5.1	14.10	0	NA	GP-9
GP-9S	11/17/2023	0	6.8	10.00	0	-0.03	
GP-9S	12/12/2023	0	4.7	16.20	0	-0.01	
GP-9S	1/5/2024	0	0.3	20.00	0	-0.03	
GP-9S	2/7/2024	0	0.3	20.20	0	-0.12	
GP-9S	3/6/2024*	0	0.0	0.00	0	0.00	
GP-9S	4/4/2024	0	0.7	20.60	0	0.04	
GP-9S	5/2/2024	0	0.0	0.00	0	0.01	
GP-9S	6/4/2024	0	2.0	20.10	0	0.33	
GP-9S	7/9/2024	0	8.3	8.30	0	0.02	
GP-9S	8/1/2024	0	7.6	11.80	0	0.01	
GP-9S	9/5/2024	0	6.3	13.90	0	0.05	
GP-10S	10/12/2023	0	7.8	13.50	0	NA	GP-10
GP-10S	11/17/2023	0	6.4	15.40	0	-0.41	
GP-10S	12/12/2023	0	4.3	16.40	0	-0.02	
GP-10S	1/5/2024	0	4.3	16.90	0	0.02	
GP-10S	2/7/2024	0	4.4	16.20	0	-0.04	
GP-10S	3/6/2024	0	2.8	18.50	0	0.29	
GP-10S	4/4/2024	0	3.5	17.40	0	-0.02	
GP-10S	5/2/2024	0	3.8	16.80	0	0.00	
GP-10S	6/4/2024	0	4.8	15.20	0	0.02	
GP-10S	7/9/2024	0	5.9	13.20	0	0.05	
GP-10S	8/1/2024	0	6.2	13.00	0	0.01	
GP-10S	9/5/2024	0	7.1	13.10	0	0.04	
GP-10I	10/12/2023	0	2.8	17.40	0	NA	
GP-10I	11/17/2023	0	4.0	16.30	0	-0.08	
GP-10I	12/12/2023	0	4.2	16.40	0	0.00	
GP-10I	1/5/2024	0	3.2	15.60	0	0.03	
GP-10I	2/7/2024	0	3.7	13.50	0	-0.05	
GP-10I	3/6/2024	0	5.2	9.90	0	-0.02	
GP-10I	4/4/2024	0	3.4	13.60	0	0.07	
GP-10I	5/2/2024	0	3.0	14.80	0	-0.01	
GP-10I	6/4/2024	0	3.1	16.60	0	0.09	
GP-10I	7/9/2024	0	3.6	15.10	0	0.06	
GP-10I	8/1/2024	0	3.6	15.50	0	0.10	
GP-10I	9/5/2024	0	3.6	16.20	0	0.08	

Table G-1
Landfill Gas Monitoring Data
October 2023 to September 2024

Location ID	Sample Date	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	CH4 (% LEL)	Static Pressure (in. H2O)	Map Location (see Fig. 2)
GP-10D	10/12/2023	0	7.8	11.20	0	NA	GP-10
GP-10D	11/17/2023	0	7.7	11.60	0	-0.67	
GP-10D	12/12/2023	0	7.7	16.60	0	0.01	
GP-10D	1/5/2024	0	7.7	8.70	0	0.03	
GP-10D	2/7/2024	0	10.8	2.80	0	-0.04	
GP-10D	3/6/2024	0	10.6	2.10	0	0.02	
GP-10D	4/4/2024	0	9.0	5.70	0	0.20	
GP-10D	5/2/2024	0	6.9	9.00	0	0.04	
GP-10D	6/4/2024	0	9.8	4.70	0	0.03	
GP-10D	7/9/2024	0	9.1	7.20	0	0.01	
GP-10D	8/1/2024	0	8.5	13.50	0	0.26	
GP-10D	9/5/2024	0	8.1	9.20	0	0.03	
GP-15S	10/12/2023	0	1.2	11.70	0	NA	GP-15
GP-15S	11/17/2023	0	0.6	18.50	0	0.01	
GP-15S	12/12/2023	0	0.5	19.10	0	-0.01	
GP-15S	1/5/2024	0	0.3	19.70	0	0.05	
GP-15S	2/7/2024	0	0.4	19.90	0	0.02	
GP-15S	3/6/2024	0	0.2	20.50	0	0.06	
GP-15S	4/4/2024	0	0.1	20.80	0	0.01	
GP-15S	5/2/2024	0	0.2	20.90	0	-0.01	
GP-15S	6/4/2024	0	0.2	20.70	0	0.02	
GP-15S	7/9/2024	0	0.2	20.10	0	0.08	
GP-15S	8/1/2024	0	0.1	19.80	0	0.08	
GP-15S	9/5/2024	0	0.2	20.40	0	-0.01	
GP-15D	10/12/2023	0	8.5	6.50	0	NA	
GP-15D	11/17/2023	0	9.5	5.00	0	0.04	
GP-15D	12/12/2023	0	8.9	9.50	0	-0.05	
GP-15D	1/5/2024	0	8.5	6.80	0	0.02	
GP-15D	2/7/2024	0	10.7	2.70	0	0.03	
GP-15D	3/6/2024	0	8.6	7.00	0	0.06	
GP-15D	4/4/2024	0	8.8	6.50	0	0.04	
GP-15D	5/2/2024	0	8.0	6.60	0	-0.05	
GP-15D	6/4/2024	0	8.4	6.80	0	0.30	
GP-15D	7/9/2024	0	8.0	6.00	0	0.02	
GP-15D	8/1/2024	0	8.3	7.20	0	0.16	
GP-15D	9/5/2024	0	8.1	6.70	0	0.20	
GP-16S	10/12/2023	0	2.6	17.40	0	NA	GP-16
GP-16S	11/17/2023	0	3.3	17.70	0	0.07	
GP-16S	12/12/2023	0	3.7	16.40	0	-0.09	
GP-16S	1/5/2024	0	3.4	17.60	0	0.01	
GP-16S	2/7/2024	0	3.3	17.40	0	0.03	
GP-16S	3/6/2024	0	3.1	17.30	0	0.00	
GP-16S	4/4/2024	0	3.1	17.80	0	0.02	
GP-16S	5/2/2024	0	2.9	17.90	0	0.01	
GP-16S	6/4/2024	0	3.1	17.70	0	0.02	
GP-16S	7/9/2024	0	3.1	16.60	0	0.02	
GP-16S	8/1/2024	0	4.0	16.40	0	-0.04	
GP-16S	9/5/2024	0	2.6	17.60	0	0.03	

Table G-1
Landfill Gas Monitoring Data
October 2023 to September 2024

Location ID	Sample Date	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	CH4 (% LEL)	Static Pressure (in. H2O)	Map Location (see Fig. 2)
GP-16I	10/12/2023	0	1.2	19.20	0	NA	GP-16
GP-16I	11/17/2023	0	1.4	20.10	0	0.00	
GP-16I	12/12/2023	0	1.3	18.80	0	-0.06	
GP-16I	1/5/2024	0	1.5	19.10	0	0.04	
GP-16I	2/7/2024	0	1.3	19.20	0	-0.04	
GP-16I	3/6/2024	0	1.6	18.30	0	0.02	
GP-16I	4/4/2024	0	1.7	18.80	0	0.00	
GP-16I	5/2/2024	0	1.3	19.40	0	-0.14	
GP-16I	6/4/2024	0	1.0	19.70	0	0.02	
GP-16I	7/9/2024	0	1.1	18.60	0	0.03	
GP-16I	8/1/2024	0	1.2	18.50	0	-0.04	
GP-16I	9/5/2024	0	1.2	19.00	0	-0.03	
GP-16D	10/12/2023	0	0.2	20.10	0	NA	GP-16
GP-16D	11/17/2023	0	0.4	21.00	0	-0.01	
GP-16D	12/12/2023	0	0.3	19.80	0	-0.04	
GP-16D	1/5/2024	0	0.5	20.20	0	0.01	
GP-16D	2/7/2024	0	0.8	19.60	0	-0.19	
GP-16D	3/6/2024	0	0.4	19.80	0	0.27	
GP-16D	4/4/2024	0	0.9	19.20	0	0.00	
GP-16D	5/2/2024	0	0.4	20.60	0	0.02	
GP-16D	6/4/2024	0	0.5	20.20	0	0.03	
GP-16D	7/9/2024	0	0.2	19.50	0	0.06	
GP-16D	8/1/2024	0	0.2	19.50	0	0.03	
GP-16D	9/5/2024	0	0.2	19.90	0	0.06	
GP-17	10/12/2023	0	5.3	12.60	0	NA	GP-17
GP-17	11/17/2023	0	5.0	13.70	0	-0.13	
GP-17	12/12/2023	0	5.0	13.80	0	0.02	
GP-17	1/5/2024	0	4.4	13.70	0	0.00	
GP-17	2/7/2024	0	5.4	12.40	0	0.01	
GP-17	3/6/2024	0	5.1	12.50	0	0.03	
GP-17	4/4/2024	0	4.8	13.70	0	1.14	
GP-17	5/2/2024	0	4.6	13.10	0	0.00	
GP-17	6/4/2024	0	3.9	14.40	0	0.04	
GP-17	7/9/2024	0	4.0	13.60	0	0.16	
GP-17	8/1/2024	0	5.0	16.50	0	0.01	
GP-17	9/5/2024	0	4.9	11.10	0	-0.03	
GP-18	10/12/2023	0	2.8	16.30	0	NA	GP-18
GP-18	11/17/2023	0	3.9	15.40	0	0.14	
GP-18	12/12/2023	0	3.2	15.60	0	-0.06	
GP-18	1/5/2024	0	3.3	16.50	0	0.04	
GP-18	2/7/2024	0	3.1	16.70	0	0.03	
GP-18	3/6/2024	0	2.5	18.50	0	0.07	
GP-18	4/4/2024	0	2.1	18.50	0	0.02	
GP-18	5/2/2024	0	2.3	15.80	0	-0.10	
GP-18	6/4/2024	0	4.0	14.80	0	0.01	
GP-18	7/9/2024	0	3.2	15.30	0	-0.03	
GP-18	8/1/2024	0	2.6	16.50	0	0.02	
GP-18	9/5/2024	0	2.2	17.50	0	0.25	

Table G-1
Landfill Gas Monitoring Data
October 2023 to September 2024

Location ID	Sample Date	CH4 (% Vol)	CO2 (% Vol)	O2 (% Vol)	CH4 (% LEL)	Static Pressure (in. H2O)	Map Location (see Fig. 2)
GP-19S	10/12/2023	0	0.7	20.40	0	NA	GP-19
GP-19S	11/17/2023	0	0.4	20.80	0	0.02	
GP-19S	12/12/2023	0	0.5	20.30	0	-0.06	
GP-19S	1/5/2024	0	0.2	20.30	0	0.02	
GP-19S	2/7/2024	0	0.4	20.10	0	-0.01	
GP-19S	3/6/2024	0	0.3	20.70	0	0.10	
GP-19S	4/4/2024	0	0.6	20.40	0	-0.04	
GP-19S	5/2/2024	0	0.4	20.60	0	-0.05	
GP-19S	6/4/2024	0	0.7	20.20	0	0.84	
GP-19S	7/9/2024	0	0.5	19.70	0	-0.03	
GP-19S	8/1/2024	0	0.5	19.40	0	-0.07	
GP-19S	9/5/2024	0	0.4	20.40	0	0.00	
GP-19D	10/12/2023	0	0.5	20.70	0	NA	GP-19
GP-19D	11/17/2023	0	0.7	20.60	0	0.01	
GP-19D	12/12/2023	0	0.7	20.30	0	-0.05	
GP-19D	1/5/2024	0	0.4	20.30	0	0.00	
GP-19D	2/7/2024	0	0.6	20.10	0	0.04	
GP-19D	3/6/2024	0	0.5	20.50	0	0.08	
GP-19D	4/4/2024	0	0.5	20.50	0	0.02	
GP-19D	5/2/2024	0	0.4	20.70	0	-0.04	
GP-19D	6/4/2024	0	0.4	20.50	0	0.94	
GP-19D	7/9/2024	0	0.1	20.10	0	-0.05	
GP-19D	8/1/2024	0	0.1	19.70	0	-0.03	
GP-19D	9/5/2024	0	0.1	20.60	0	0.02	
GP-20S	10/12/2023	0	0.8	19.80	0	NA	GP-20
GP-20S	11/17/2023	0	1.9	18.60	0	0.14	
GP-20S	12/12/2023	0	1.3	18.70	0	-0.05	
GP-20S	1/5/2024	0	0.7	19.60	0	-0.03	
GP-20S	2/7/2024	0	1.1	19.10	0	0.03	
GP-20S	3/6/2024	0	1.1	19.70	0	0.07	
GP-20S	4/4/2024	0	1.8	16.90	0	0.00	
GP-20S	5/2/2024	0	1.2	19.10	0	-0.12	
GP-20S	6/4/2024	0	0.5	20.30	0	0.02	
GP-20S	7/9/2024	0	0.1	19.50	0	0.01	
GP-20S	8/1/2024	0	0.1	19.50	0	0.49	
GP-20S	9/5/2024	0	0.2	20.40	0	0.02	
GP-20D	10/12/2023	0	0.3	20.40	0	NA	GP-20
GP-20D	11/17/2023	0	2.2	18.40	0	0.11	
GP-20D	12/12/2023	0	1.3	19.20	0	-0.04	
GP-20D	1/5/2024	0	1.1	19.00	0	0.00	
GP-20D	2/7/2024	0	1.6	18.60	0	-0.04	
GP-20D	3/6/2024	0	1.7	19.20	0	0.08	
GP-20D	4/4/2024	0	1.3	18.60	0	0.08	
GP-20D	5/2/2024	0	0.7	20.00	0	-0.01	
GP-20D	6/4/2024	0	0.3	20.50	0	0.10	
GP-20D	7/9/2024	0	0.1	19.60	0	0.03	
GP-20D	8/1/2024	0	0.1	19.70	0	-0.03	
GP-20D	9/5/2024	0	0.1	20.60	0	-0.02	

NA: Data Not Available.

*: No reading taken on 3/6/2024 at GP-9S because water was present.

APPENDIX H

Financial Assurance

Post Closure Maintenance Financial Assurance Update for Enumclaw

BACKGROUND

Enumclaw was operated and closed under WAC 173-304 and meets the requirement of WAC 173-304-467 (1)(b)(ii) as a publicly owned municipal solid waste landfill that accepted waste from the general public.

WAC 173-304-467 (4) requires each owner or operator to prepare a written post-closure cost estimate as part of the facility post-closure plan. The post-closure cost estimate shall be in current dollars and represent the total cost of completing post-closure activities for the facility for at least a twenty-year post-closure period in accordance with the post-closure requirements in WAC 173-304-407. The post-closure cost estimate shall be based on a reasonable cost estimate for completing post-closure monitoring, maintenance, and other activities identified in the approved facility post-closure plan as required under WAC 173-304-407. The post-closure plan shall project annual or other intervals for withdrawal of post-closure funds from the post-closure financial assurance instrument to complete the activities identified in the approved post-closure plan. The written plan required by WAC 173-304-467 (4) was completed and submitted in 1994.

WAC 173-304 requires, during the post-closure care twenty-year period, whenever there is a change in the post-closure plan and/or cost of post-closure care; or the jurisdictional health department directs the owner or operator to revise the post-closure plan or post-closure cost estimate, an update to the post closure cost estimate will be performed.

Although the landfill closed in 1993 and has exceeded the 20-year period, Sections 1.D of the 2024 Post Closure Maintenance Permit for Enumclaw requires a report on maintenance costs, the post-closure maintenance balance, account for any increased planned maintenance, and report on the audit of the reserve account.

Per WAC 173-304-467(6)(c), the closure reserve account, which was the Landfill Reserve Fund, shall be audited according to the audit schedule of the office of state auditor and shall be filed with the department of ecology, including each of the post-closure care years. Currently, we are not aware of any audit findings for the Landfill Reserve Fund or the Post Closure Maintenance Fund to report to Health or Ecology.

FINANCIAL ASSURANCE ACCOUNT FOR POST-CLOSURE

During the operation of the landfill a reserve account, Landfill Reserve Fund, receives a percentage of the operating revenue annually. When the landfill closes the funds for that landfill are transferred to the post closure maintenance account, in the case of Enumclaw that was the Post Closure Maintenance Fund Enumclaw account.

The financial assurance account for post-closure was established for Enumclaw with a separate cost center in the Post Closure Maintenance Fund by transferring from the Landfill Reserve Fund an amount equal to the post-closure cost estimate prepared in 1994 in compliance with WAC 173-304. The amount was twenty years of the annual estimate. King County is a municipal corporation, and the post-closure reserve, Post Closure Maintenance Fund Enumclaw account, is cash accumulated and restricted for post-closure with an equivalent amount of fund balance reserved in the fund accounting for planned maintenance activities. The purpose and use of the Post Closure Maintenance Fund is for post-closure activities as identified in the approved post-closure plan. Since the twenty-year period has expired for Enumclaw, additional cash is transferred annually to replace the annual expenditures.

PURPOSE

This document is intended to fulfill Section 1.D of the Enumclaw Post-Closure Maintenance Permit, and provides a report on maintenance costs, post closure maintenance balance, and account for any increased planned maintenance. This document is not an audit of the account. The audit must be performed by the State and requested by Ecology.

MAJOR PCM ELEMENTS

The annual maintenance costs for the environmental control systems at the site include the landfill gas collection system, the cover system, and the groundwater monitoring network.

- Cover Maintenance & General Site Maintenance
- Stormwater System Maintenance
- Landfill Gas System Maintenance
- Environmental Monitoring
- Electrical Utilities
- Permits
- Reporting

ORIGINAL COST ESTIMATE

The summary of costs is provided in the table below.

MAJOR ELEMENTS	SUBTOTALS
Ground Water Monitoring	105,417
Surface Water Monitoring	\$9,892
Leachate Monitoring	\$6,620
Landfill Gas Monitoring	\$5,106
Environmental Data Management	\$17,020
General Site Maintenance	\$17,929
Leachate System Maintenance	\$34,002
Gas System Maintenance	\$69,844
Stormwater System Maintenance	\$14,115
TOTAL COSTS	\$311,606

CURRENT ENUMCLAW LPCM ACCOUNT BALANCE

715004 LFPC ENUMCLAW	2023-2024 BIENNIAL BUDGET
SALARIES & WAGES	\$182,598
SUPPLIES	\$1,000
SERVICES	\$26,670
LABORATORY ANALYSIS	\$30,000
TOTAL	\$240,268

APPENDIX I

Historic Groundwater Monitoring Data

Table I-1
Groundwater - Historical Static Water Levels
January 1, 2013 - September 30, 2023

Groundwater - Static Water Levels		Top of PVC Casing Elevation	Depth to Groundwater	Groundwater Elevation
Well #	Measurement Date	(feet above MSL)	(feet)	(feet above MSL)
MW-3	2/13/2013	849.16	82.39	766.77
MW-3	5/29/2013	849.16	80.73	768.43
MW-3	8/5/2013	849.16	84.24	764.92
MW-3	11/4/2013	849.16	88.42	760.74
MW-3	5/7/2014	849.16	74.72	774.44
MW-3	8/11/2014	849.16	81.83	767.33
MW-3	11/20/2014	849.16	87.80	761.36
MW-3	2/9/2015	849.16	83.12	766.04
MW-3	5/11/2015	849.16	81.82	767.34
MW-3	8/3/2015	849.16	87.08	762.08
MW-3	11/25/2015	849.16	89.89	759.27
MW-3	2/5/2016	849.16	76.96	772.20
MW-3	5/24/2016	849.16	78.97	770.19
MW-3	8/9/2016	849.16	85.42	763.74
MW-3	12/5/2016	849.16	89.11	760.05
MW-3	2/16/2017	849.16	86.71	762.45
MW-3	5/11/2017	849.16	76.35	772.81
MW-3	8/21/2017	849.16	82.84	766.32
MW-3	11/21/2017	849.16	88.08	761.08
MW-3	2/12/2018	849.16	79.40	769.76
MW-3	11/8/2018	849.16	89.98	759.18
MW-3	5/24/2019	849.16	86.48	762.68
MW-3	10/31/2019	849.16	91.72	757.44
MW-3	6/3/2020	849.16	81.07	768.09
MW-3	11/19/2020	849.16	90.11	759.05
MW-3	5/11/2021	849.16	81.85	767.31
MW-3	11/4/2021	849.16	91.24	757.92
MW-3	5/25/2022	849.16	76.47	772.69
MW-3	12/6/2022	849.16	87.23	761.93
MW-3	5/9/2023	849.16	85.49	763.67
MW-1	2/13/2013	822.04	55.20	766.84
MW-1	5/29/2013	822.04	53.71	768.33
MW-1	8/5/2013	822.04	57.62	764.42
MW-1	11/4/2013	822.04	61.88	760.16
MW-1	5/7/2014	822.04	47.47	774.57
MW-1	8/11/2014	822.04	55.05	766.99
MW-1	11/20/2014	822.04	61.15	760.89
MW-1	2/9/2015	822.04	55.79	766.25
MW-1	5/11/2015	822.04	54.85	767.19
MW-1	8/3/2015	822.04	60.55	761.49
MW-1	11/25/2015	822.04	62.78	759.26
MW-1	2/5/2016	822.04	49.68	772.36
MW-1	5/24/2016	822.04	51.84	770.20
MW-1	8/9/2016	822.04	58.92	763.12
MW-1	12/5/2016	822.04	62.29	759.75
MW-1	2/16/2017	822.04	58.79	763.25
MW-1	5/11/2017	822.04	49.15	772.89
MW-1	8/21/2017	822.04	56.14	765.90
MW-1	11/21/2017	822.04	61.68	760.36
MW-1	2/12/2018	822.04	51.98	770.06
MW-1	11/8/2018	822.04	63.54	758.50
MW-1	5/24/2019	822.04	59.80	762.24
MW-1	10/31/2019	822.04	65.21	756.83
MW-1	6/3/2020	822.04	54.11	767.93
MW-1	11/19/2020	822.04	63.40	758.64
MW-1	5/11/2021	822.04	55.06	766.98
MW-1	11/4/2021	822.04	64.71	757.33
MW-1	5/25/2022	822.04	49.35	772.69
MW-1	12/6/2022	822.04	60.75	761.29
MW-1	5/9/2023	822.04	58.60	763.44
MW-2	5/29/2013	800.63	44.31	756.32
MW-2	8/5/2013	800.63	46.33	754.30
MW-2	11/4/2013	800.63	48.67	751.96
MW-2	5/7/2014	800.63	40.75	759.88
MW-2	8/11/2014	800.63	44.77	755.86
MW-2	11/20/2014	800.63	47.98	752.65
MW-2	2/9/2015	800.63	45.76	754.87

Table I-1
Groundwater - Historical Static Water Levels
January 1, 2013 - September 30, 2023

Groundwater - Static Water Levels		Top of PVC Casing Elevation	Depth to Groundwater	Groundwater Elevation
Well #	Measurement Date	(feet above MSL)	(feet)	(feet above MSL)
MW-2	5/11/2015	800.63	44.98	755.65
MW-2	8/3/2015	800.63	48.15	752.48
MW-2	11/25/2015	800.63	48.51	752.12
MW-2	2/5/2016	800.63	42.32	758.31
MW-2	5/24/2016	800.63	43.05	757.58
MW-2	8/9/2016	800.63	46.97	753.66
MW-2	12/5/2016	800.63	49.87	750.76
MW-2	2/16/2017	800.63	46.85	753.78
MW-2	5/11/2017	800.63	41.70	758.93
MW-2	8/21/2017	800.63	45.36	755.27
MW-2	11/21/2017	800.63	48.02	752.61
MW-2	2/12/2018	800.63	43.64	756.99
MW-2	11/8/2018	800.63	49.58	751.05
MW-2	5/24/2019	800.63	48.01	752.62
MW-2	10/31/2019	800.63	50.49	750.14
MW-2	6/3/2020	800.63	44.41	756.22
MW-2	11/19/2020	800.63	49.25	751.38
MW-2	5/11/2021	800.63	45.05	755.58
MW-2	11/4/2021	800.63	50.20	750.43
MW-2	5/25/2022	800.63	41.60	759.03
MW-2	12/6/2022	800.63	47.57	753.06
MW-2	5/9/2023	800.63	47.10	753.53
MW-6A	2/13/2013	843.13	80.41	762.72
MW-6A	5/29/2013	843.13	78.84	764.29
MW-6A	8/5/2013	843.13	81.93	761.20
MW-6A	11/4/2013	843.13	85.16	757.97
MW-6A	5/7/2014	843.13	73.87	769.26
MW-6A	8/11/2014	843.13	79.56	763.57
MW-6A	11/20/2014	843.13	84.56	758.57
MW-6A	2/9/2015	843.13	81.03	762.10
MW-6A	5/11/2015	843.13	79.81	763.32
MW-6A	8/3/2015	843.13	84.06	759.07
MW-6A	11/25/2015	843.13	86.20	756.93
MW-6A	2/5/2016	843.13	76.03	767.10
MW-6A	5/24/2016	843.13	77.18	765.95
MW-6A	8/9/2016	843.13	82.60	760.53
MW-6A	12/5/2016	843.13	85.78	757.35
MW-6A	2/16/2017	843.13	83.79	759.34
MW-6A	5/11/2017	843.13	75.20	767.93
MW-6A	8/21/2017	843.13	80.44	762.69
MW-6A	11/21/2017	843.13	84.72	758.41
MW-6A	2/12/2018	843.13	78.18	764.95
MW-6A	11/8/2018	843.13	86.43	756.70
MW-6A	5/24/2019	843.13	83.87	759.26
MW-6A	10/31/2019	843.13	87.95	755.18
MW-6A	6/3/2020	843.13	79.00	764.13
MW-6A	11/19/2020	843.13	86.47	756.66
MW-6A	5/11/2021	843.13	79.77	763.36
MW-6A	11/4/2021	843.13	87.49	755.64
MW-6A	5/25/2022	843.13	75.20	767.93
MW-6A	12/6/2022	843.13	83.98	759.15
MW-6A	5/9/2023	843.13	83.00	760.13
MW-9	2/13/2013	829.70	76.18	753.52
MW-9	5/29/2013	829.70	75.42	754.28
MW-9	8/5/2013	829.70	77.32	752.38
MW-9	11/4/2013	829.70	79.38	750.32
MW-9	5/7/2014	829.70	72.23	757.47
MW-9	8/11/2014	829.70	75.88	753.82
MW-9	11/20/2014	829.70	78.65	751.05
MW-9	2/9/2015	829.70	76.57	753.13
MW-9	5/11/2015	829.70	76.02	753.68
MW-9	8/3/2015	829.70	79.07	750.63
MW-9	11/25/2015	829.70	78.87	750.83
MW-9	2/5/2016	829.70	73.54	756.16
MW-9	5/24/2016	829.70	74.34	755.36
MW-9	8/9/2016	829.70	77.90	751.80
MW-9	12/5/2016	829.70	79.43	750.27

Table I-1
Groundwater - Historical Static Water Levels
January 1, 2013 - September 30, 2023

Groundwater - Static Water Levels		Top of PVC Casing Elevation	Depth to Groundwater	Groundwater Elevation
Well #	Measurement Date	(feet above MSL)	(feet)	(feet above MSL)
MW-9	2/16/2017	829.70	77.29	752.41
MW-9	5/11/2017	829.70	73.00	756.70
MW-9	8/21/2017	829.70	76.40	753.30
MW-9	11/21/2017	829.70	78.65	751.05
MW-9	2/12/2018	829.70	74.67	755.03
MW-9	11/8/2018	829.70	80.26	749.44
MW-9	5/24/2019	829.70	78.77	750.93
MW-9	10/31/2019	829.70	80.83	748.87
MW-9	6/3/2020	829.70	75.49	754.21
MW-9	11/19/2020	829.70	79.73	749.97
MW-9	5/11/2021	829.70	76.09	753.61
MW-9	11/4/2021	829.70	80.65	749.05
MW-9	5/25/2022	829.70	72.95	756.75
MW-9	12/6/2022	829.70	78.23	751.47
MW-9	5/9/2023	829.70	77.80	751.90
MW-10	2/13/2013	803.76	46.98	756.78
MW-10	5/29/2013	803.76	45.81	757.95
MW-10	8/5/2013	803.76	47.90	755.86
MW-10	11/4/2013	803.76	50.31	753.45
MW-10	5/7/2014	803.76	42.12	761.64
MW-10	8/11/2014	803.76	46.30	757.46
MW-10	11/20/2014	803.76	49.72	754.04
MW-10	2/9/2015	803.76	47.37	756.39
MW-10	5/11/2015	803.76	46.58	757.18
MW-10	8/3/2015	803.76	49.67	754.09
MW-10	11/25/2015	803.76	50.67	753.09
MW-10	2/5/2016	803.76	43.92	759.84
MW-10	5/24/2016	803.76	44.59	759.17
MW-10	8/9/2016	803.76	48.50	755.26
MW-10	12/5/2016	803.76	50.59	753.17
MW-10	2/16/2017	803.76	48.95	754.81
MW-10	5/11/2017	803.76	43.17	760.59
MW-10	8/21/2017	803.76	46.95	756.81
MW-10	11/21/2017	803.76	49.76	754.00
MW-10	2/12/2018	803.76	45.37	758.39
MW-10	11/8/2018	803.76	51.26	752.50
MW-10	5/24/2019	803.76	49.67	754.09
MW-10	10/31/2019	803.76	52.38	751.38
MW-10	6/3/2020	803.76	46.04	757.72
MW-10	11/19/2020	803.76	51.08	752.68
MW-10	5/11/2021	803.76	46.58	757.18
MW-10	11/4/2021	803.76	52.00	751.76
MW-10	5/25/2022	803.76	43.04	760.72
MW-10	12/6/2022	803.76	49.34	754.42
MW-10	5/9/2023	803.76	48.80	754.96

Table I-2
Groundwater - Historical Sampling Water Levels
January 1, 2013 - September 30, 2023

Groundwater - Sampling Water Levels		Top of PVC Casing Elevation	Depth to Groundwater	Groundwater Elevation
Well #	Measurement Date	(feet above MSL)	(feet)	(feet above MSL)
MW-3	2/13/2013	849.16	82.39	766.77
MW-3	6/10/2013	849.16	81.03	768.13
MW-3	8/16/2013	849.16	85.02	764.14
MW-3	11/5/2013	849.16	88.43	760.73
MW-3	2/13/2014	849.16	86.47	762.69
MW-3	5/21/2014	849.16	75.00	774.16
MW-3	8/12/2014	849.16	81.95	767.21
MW-3	11/20/2014	849.16	87.80	761.36
MW-3	3/2/2015	849.16	81.85	767.31
MW-3	5/11/2015	849.16	81.82	767.34
MW-3	8/6/2015	849.16	87.26	761.90
MW-3	12/1/2015	849.16	89.19	759.97
MW-3	2/18/2016	849.16	76.73	772.43
MW-3	5/26/2016	849.16	79.15	770.01
MW-3	8/22/2016	849.16	86.39	762.77
MW-3	12/5/2016	849.16	89.15	760.01
MW-3	2/22/2017	849.16	85.67	763.49
MW-3	5/30/2017	849.16	76.68	772.48
MW-3	8/21/2017	849.16	82.84	766.32
MW-3	11/27/2017	849.16	87.81	761.35
MW-3	3/2/2018	849.16	77.88	771.28
MW-3	5/17/2018	849.16	78.69	770.47
MW-3	11/21/2018	849.16	90.31	758.85
MW-3	5/24/2019	849.16	86.48	762.68
MW-3	10/31/2019	849.16	91.72	757.44
MW-3	6/3/2020	849.16	81.07	768.09
MW-3	11/19/2020	849.16	90.11	759.05
MW-3	5/11/2021	849.16	81.85	767.31
MW-3	11/8/2021	849.16	91.33	757.83
MW-3	5/25/2022	849.16	74.47	772.69
MW-3	12/6/2022	849.16	87.23	761.93
MW-3	5/10/2023	849.16	85.42	763.74
MW-1	2/21/2013	822.04	55.02	767.02
MW-1	6/4/2013	822.04	53.83	768.21
MW-1	8/13/2013	822.04	58.19	763.85
MW-1	12/9/2013	822.04	61.92	760.12
MW-1	2/11/2014	822.04	59.50	762.54
MW-1	5/13/2014	822.04	47.52	774.52
MW-1	8/12/2014	822.04	55.13	766.91
MW-1	12/1/2014	822.04	60.61	761.43
MW-1	2/9/2015	822.04	55.79	766.25
MW-1	5/11/2015	822.04	54.85	767.19
MW-1	8/3/2015	822.04	60.55	761.49
MW-1	12/2/2015	822.04	62.08	759.96
MW-1	2/5/2016	822.04	49.68	772.36
MW-1	5/26/2016	822.04	52.07	769.97
MW-1	8/19/2016	822.04	59.69	762.35
MW-1	12/5/2016	822.04	62.29	759.75
MW-1	2/17/2017	822.04	58.60	763.44
MW-1	5/26/2017	822.04	49.26	772.78
MW-1	8/23/2017	822.04	56.34	765.70
MW-1	11/27/2017	822.04	61.12	760.92
MW-1	2/28/2018	822.04	50.72	771.32
MW-1	5/17/2018	822.04	51.63	770.41
MW-1	11/21/2018	822.04	63.88	758.16
MW-1	5/24/2019	822.04	59.80	762.24
MW-1	10/31/2019	822.04	65.21	756.83
MW-1	12/18/2019	822.04	65.24	756.80
MW-1	1/20/2020	822.04	60.96	761.08
MW-1	2/13/2020	822.04	53.27	768.77
MW-1	3/12/2020	822.04	49.64	772.40
MW-1	4/16/2020	822.04	50.65	771.39
MW-1	5/14/2020	822.04	52.94	769.10
MW-1	6/15/2020	822.04	55.01	767.03
MW-1	9/1/2020	822.04	60.55	761.49
MW-1	10/21/2020	822.04	62.98	759.06
MW-1	11/19/2020	822.04	63.40	758.64

Table I-2
Groundwater - Historical Sampling Water Levels
January 1, 2013 - September 30, 2023

Groundwater - Sampling Water Levels		Top of PVC Casing Elevation	Depth to Groundwater	Groundwater Elevation
Well #	Measurement Date	(feet above MSL)	(feet)	(feet above MSL)
MW-1	12/14/2020	822.04	62.81	759.23
MW-1	3/5/2021	822.04	53.82	768.22
MW-1	4/6/2021	822.04	53.25	768.79
MW-1	5/11/2021	822.04	55.06	766.98
MW-1	8/16/2021	822.04	60.25	761.79
MW-1	11/8/2021	822.04	64.78	757.26
MW-1	2/8/2022	822.04	53.39	768.65
MW-1	5/25/2022	822.04	49.40	772.64
MW-1	12/6/2022	822.04	60.75	761.29
MW-1	5/9/2023	822.04	58.60	763.44
MW-2	2/22/2013	800.63	45.28	755.35
MW-2	5/29/2013	800.63	44.31	756.32
MW-2	8/15/2013	800.63	48.75	751.88
MW-2	11/14/2013	800.63	48.58	752.05
MW-2	2/13/2014	800.63	47.51	753.12
MW-2	5/14/2014	800.63	40.65	759.98
MW-2	9/23/2014	800.63	46.83	753.80
MW-2	12/3/2014	800.63	47.35	753.28
MW-2	2/19/2015	800.63	45.28	755.35
MW-2	5/12/2015	800.63	44.98	755.65
MW-2	8/6/2015	800.63	48.26	752.37
MW-2	11/25/2015	800.63	48.51	752.12
MW-2	2/5/2016	800.63	42.32	758.31
MW-2	5/26/2016	800.63	43.20	757.43
MW-2	8/19/2016	800.63	47.45	753.18
MW-2	12/5/2016	800.63	48.71	751.92
MW-2	2/17/2017	800.63	46.85	753.78
MW-2	5/26/2017	800.63	41.68	758.95
MW-2	8/23/2017	800.63	45.44	755.19
MW-2	11/27/2017	800.63	47.38	753.25
MW-2	3/2/2018	800.63	42.89	757.74
MW-2	5/17/2018	800.63	43.13	757.50
MW-2	11/21/2018	800.63	49.84	750.79
MW-2	5/24/2019	800.63	48.01	752.62
MW-2	10/31/2019	800.63	50.49	750.14
MW-2	12/18/2019	800.63	50.64	749.99
MW-2	1/20/2020	800.63	48.86	751.77
MW-2	2/13/2020	800.63	44.74	755.89
MW-2	3/12/2020	800.63	43.11	757.52
MW-2	4/16/2020	800.63	42.81	757.82
MW-2	5/14/2020	800.63	43.65	756.98
MW-2	6/15/2020	800.63	44.88	755.75
MW-2	9/1/2020	800.63	48.13	752.50
MW-2	10/21/2020	800.63	49.31	751.32
MW-2	11/19/2020	800.63	49.25	751.38
MW-2	12/14/2020	800.63	49.17	751.46
MW-2	3/5/2021	800.63	44.75	755.88
MW-2	4/6/2021	800.63	44.32	756.31
MW-2	5/11/2021	800.63	45.05	755.58
MW-2	8/16/2021	800.63	48.54	752.09
MW-2	11/8/2021	800.63	50.18	750.45
MW-2	2/8/2022	800.63	45.11	755.52
MW-2	5/25/2022	800.63	41.68	758.95
MW-2	12/6/2022	800.63	47.57	753.06
MW-2	5/9/2023	800.63	47.10	753.53
MW-6A	2/22/2013	843.13	80.17	762.96
MW-6A	6/11/2013	843.13	79.18	763.95
MW-6A	8/6/2013	843.13	81.72	761.41
MW-6A	11/4/2013	843.13	85.16	757.97
MW-6A	2/10/2014	843.13	83.94	759.19
MW-6A	5/19/2014	843.13	73.95	769.18
MW-6A	8/11/2014	843.13	79.56	763.57
MW-6A	12/1/2014	843.13	84.24	758.89
MW-6A	3/3/2015	843.13	80.02	763.11
MW-6A	5/18/2015	843.13	80.03	763.10
MW-6A	8/11/2015	843.13	84.47	758.66
MW-6A	12/1/2015	843.13	85.96	757.17

Table I-2
Groundwater - Historical Sampling Water Levels
January 1, 2013 - September 30, 2023

Groundwater - Sampling Water Levels		Top of PVC Casing Elevation	Depth to Groundwater	Groundwater Elevation
Well #	Measurement Date	(feet above MSL)	(feet)	(feet above MSL)
MW-6A	2/9/2016	843.13	75.72	767.41
MW-6A	5/26/2016	843.13	77.33	765.80
MW-6A	8/22/2016	843.13	83.44	759.69
MW-6A	12/9/2016	843.13	85.71	757.42
MW-6A	2/22/2017	843.13	83.11	760.02
MW-6A	5/30/2017	843.13	75.41	767.72
MW-6A	8/21/2017	843.13	80.42	762.71
MW-6A	11/21/2017	843.13	84.72	758.41
MW-6A	2/12/2018	843.13	78.19	764.94
MW-6A	5/17/2018	843.13	77.16	765.97
MW-6A	11/21/2018	843.13	86.29	756.84
MW-6A	5/24/2019	843.13	83.87	759.26
MW-6A	10/31/2019	843.13	87.95	755.18
MW-6A	6/3/2020	843.13	79.00	764.13
MW-6A	11/19/2020	843.13	86.47	756.66
MW-6A	5/11/2021	843.13	79.77	763.36
MW-6A	11/8/2021	843.13	87.52	755.61
MW-6A	5/25/2022	843.13	75.20	767.93
MW-6A	12/6/2022	843.13	83.98	759.15
MW-6A	5/10/2023	843.13	82.94	760.19
MW-9	2/21/2013	829.70	76.25	753.45
MW-9	6/4/2013	829.70	75.30	754.40
MW-9	8/13/2013	829.70	78.64	751.06
MW-9	11/14/2013	829.70	79.20	750.50
MW-9	2/18/2014	829.70	78.18	751.52
MW-9	6/7/2014	829.70	72.23	757.47
MW-9	8/12/2014	829.70	75.97	753.73
MW-9	12/1/2014	829.70	77.94	751.76
MW-9	3/3/2015	829.70	76.08	753.62
MW-9	5/18/2015	829.70	76.16	753.54
MW-9	8/11/2015	829.70	79.27	750.43
MW-9	11/25/2015	829.70	78.87	750.83
MW-9	2/9/2016	829.70	73.45	756.25
MW-9	5/27/2016	829.70	74.53	755.17
MW-9	8/18/2016	829.70	78.29	751.41
MW-9	12/9/2016	829.70	79.26	750.44
MW-9	2/17/2017	829.70	77.24	752.46
MW-9	5/26/2017	829.70	73.04	756.66
MW-9	8/23/2017	829.70	76.51	753.19
MW-9	11/21/2017	829.70	78.65	751.05
MW-9	2/28/2018	829.70	74.10	755.60
MW-9	5/17/2018	829.70	74.36	755.34
MW-9	11/21/2018	829.70	80.42	749.28
MW-9	5/24/2019	829.70	78.80	750.90
MW-9	10/31/2019	829.70	80.83	748.87
MW-9	12/18/2019	829.70	80.97	748.73
MW-9	1/20/2020	829.70	79.24	750.46
MW-9	2/13/2020	829.70	75.12	754.58
MW-9	3/12/2020	829.70	74.29	755.41
MW-9	4/16/2020	829.70	74.10	755.60
MW-9	5/14/2020	829.70	74.81	754.89
MW-9	6/15/2020	829.70	75.93	753.77
MW-9	8/11/2020	829.70	78.20	751.51
MW-9	9/1/2020	829.70	79.94	749.76
MW-9	11/19/2020	829.70	79.73	749.97
MW-9	12/14/2020	829.70	79.63	754.89
MW-9	3/5/2021	829.70	75.57	754.13
MW-9	4/6/2021	829.70	75.38	754.32
MW-9	5/11/2021	829.70	76.09	753.61
MW-9	8/16/2021	829.70	79.36	750.34
MW-9	11/8/2021	829.70	80.67	749.03
MW-9	2/8/2022	829.70	76.11	753.59
MW-9	5/25/2022	829.70	73.02	756.68
MW-9	12/6/2022	829.70	78.23	751.47
MW-9	5/9/2023	829.70	77.80	751.90
MW-10	2/25/2013	803.76	46.90	756.86
MW-10	6/4/2013	803.76	45.90	757.86

Table I-2
Groundwater - Historical Sampling Water Levels
January 1, 2013 - September 30, 2023

Groundwater - Sampling Water Levels		Top of PVC Casing Elevation	Depth to Groundwater	Groundwater Elevation
Well #	Measurement Date	(feet above MSL)	(feet)	(feet above MSL)
MW-10	8/15/2013	803.76	48.28	755.48
MW-10	11/8/2013	803.76	50.18	753.58
MW-10	2/19/2014	803.76	48.92	754.84
MW-10	5/19/2014	803.76	42.23	761.53
MW-10	8/12/2014	803.76	46.38	757.38
MW-10	12/3/2014	803.76	49.32	754.44
MW-10	3/3/2015	803.76	46.80	756.96
MW-10	5/11/2015	803.76	46.58	757.18
MW-10	8/4/2015	803.76	49.72	754.04
MW-10	12/1/2015	803.76	50.76	753.00
MW-10	2/8/2016	803.76	43.76	760.00
MW-10	5/27/2016	803.76	44.77	758.99
MW-10	8/19/2016	803.76	49.00	754.76
MW-10	12/5/2016	803.76	50.60	753.16
MW-10	2/17/2017	803.76	48.81	754.95
MW-10	5/26/2017	803.76	43.15	760.61
MW-10	8/23/2017	803.76	47.03	756.73
MW-10	11/21/2017	803.76	49.76	754.00
MW-10	2/28/2018	803.76	44.51	759.25
MW-10	5/17/2018	803.76	44.62	759.14
MW-10	11/21/2018	803.76	51.57	752.19
MW-10	5/24/2019	803.76	49.68	754.08
MW-10	10/31/2019	803.76	52.38	751.38
MW-10	6/3/2020	803.76	46.04	757.72
MW-10	11/19/2020	803.76	51.08	752.68
MW-10	5/11/2021	803.76	46.58	757.18
MW-10	11/8/2021	803.76	51.98	751.78
MW-10	5/25/2022	803.76	43.04	760.72
MW-10	12/6/2022	803.76	49.34	754.42
MW-10	5/10/2023	803.76	48.79	754.97

Table I-3
Groundwater - Historical Field Parameters
January 1, 2013 - September 30, 2023

Groundwater - Field Parameters			Dissolved Oxygen (DO) (Field)	Oxidation- Reduction Potential (ORP) (Field)	pH (Field)	Specific Conductance (Field)	Temperature (Field)	Turbidity (Field)	Volume Purged
Well #	Sample Date	Sample ID	(mg/L)	(mV)	(std. units)	(µmhos/cm)	(°C)	(NTU)	(gal)
Monitoring Wells									
MW-3	2/13/2013	WE3-130213-	--	--	6.23	80	9.5	--	28.5
MW-3	6/10/2013	WE3-130610-	--	--	6.42	76	10.4	--	30
MW-3	8/16/2013	WE3-130816-	--	--	6.54	80	10.5	--	25.4
MW-3	11/5/2013	WE3-131105-	--	--	6.78	83	10.7	--	22
MW-3	2/13/2014	WE3-140213-	--	--	6.29	80	9.7	--	24
MW-3	5/21/2014	WE3-140521-	--	--	6.27	79	10.2	--	36.5
MW-3	8/12/2014	WE3-140812-	--	--	6.27	73	10.3	--	29
MW-3	11/20/2014	WE3-141120-	--	--	6.2	76	10.2	--	29.6
MW-3	3/3/2015	WE3-150302-	--	--	6.76	85	10.6	--	30
MW-3	5/11/2015	WE3-150511-	--	--	6.54	79	10.9	--	29
MW-3	8/6/2015	WE3-150806-	10.05	304	6.6	86.14	10.71	--	1.75
MW-3	12/1/2015	WE3-151201-	9.71	265	6.63	83	10.16	-1.909	1.5
MW-3	2/8/2016	WE3-160208-	10.66	235	6.7	86.61	9.56	0.28	1.5
MW-3	5/26/2016	WE3-160526-	9.89	296	6.75	78.58	9.94	0.81	2.5
MW-3	8/22/2016	WE3-160822-	10.3	287	6.65	82.39	9.78	0.33	2.5
MW-3	12/5/2016	WE3-161205-	10.35	309	6.98	81.29	9.32	0.19	1
MW-3	2/22/2017	WE3-170222-	9.44	323.8	6.33	88.5	9.28	0.24	2.5
MW-3	5/30/2017	WE3-170530-	10.07	359	6.88	76.17	10.04	0.74	1.75
MW-3	8/21/2017	WE3-170821-	9.37	330	7.06	76.39	9.92	0.19	4
MW-3	11/27/2017	WE3-171127-	10.15	237.1	6.46	81.8	9.705	0.21	2
MW-3	11/27/2017	WE3-171127D	10.15	237.1	6.46	81.8	9.705	0.21	2
MW-3	3/2/2018	WE3-180302-	10.29	222.9	5.98	85	9.64	0.49	1.5
MW-3	5/17/2018	WE3-180517-	9.6	221.9	6.59	75.3	10.04	0.72	1.2
MW-3	11/21/2018	WE3-181121-	9.98	425.1	6.76	81.5	9.61	1.22	2.5
MW-3	5/24/2019	WE3-190524-	10.03	332.3	6.34	89.1	9.8	0.27	2
MW-3	10/31/2019	WE3-191031-	9.74	269.5	6.86	86.8	9.75	0.2	2.5
MW-3	6/3/2020	WE3-200603-	10.13	420	6.55	80.6	9.9	0.18	2
MW-3	11/19/2020	WE3-201119-	10.38	395	6.18	78	9.4	0.57	3
MW-3	5/11/2021	WE3-210511-	9.67	301.4	6.22	78.7	9.52	0.48	2.5
MW-3	11/8/2021	WE3-211108-	9.72	334.3	6.39	77.3	9.49	0.38	2.25
MW-3	5/25/2022	WE3-220525-	9.5	374.9	5.97	68.5	9.162	1.2	2
MW-3	12/6/2022	WE3-221206-	10.09	113.6	6.38	73.1	9.465	4.89	2.5
MW-3	5/10/2023	WE3-230510-	9.64	386.2	6.08	82.5	9.672	0.57	3.5
MW-1	2/21/2013	WE1-130221-	--	--	5.99	91	9.5	--	38.5
MW-1	6/3/2013	WE1-130603-	--	--	6.05	90	9.8	--	46
MW-1	8/13/2013	WE1-130813-	--	--	6.3	150	10.5	--	29.4

Table I-3
Groundwater - Historical Field Parameters
January 1, 2013 - September 30, 2023

Groundwater - Field Parameters			Dissolved Oxygen (DO) (Field)	Oxidation- Reduction Potential (ORP) (Field)	pH (Field)	Specific Conductance (Field)	Temperature (Field)	Turbidity (Field)	Volume Purged
Well #	Sample Date	Sample ID	(mg/L)	(mV)	(std. units)	(µmhos/cm)	(°C)	(NTU)	(gal)
MW-1	11/8/2013	WE1-131108-	--	--	6.26	120	9.7	--	34
MW-1	2/11/2014	WE1-140211-	--	--	6.69	130	9.6	--	28.5
MW-1	5/13/2014	WE1-140513-	--	--	6.32	97	10.4	--	42
MW-1	8/12/2014	WE1-140812-	--	--	6.61	115	11.6	--	33.3
MW-1	12/1/2014	WE1-141201-	--	--	6.25	120	9.6	--	4.5
MW-1	2/9/2015	WE1-150209-	--	--	6.67	90	9.8	--	43
MW-1	5/11/2015	WE1-150511-	--	--	6.45	110	10.1	--	33.5
MW-1	8/3/2015	WE1-150803-	0.74	86	6.39	189.9	10.7	1.017	2
MW-1	12/2/2015	WE1-151202-	0.47	177	7.48	269	9.91	-1.623	2
MW-1	2/5/2016	WE1-160205-	0.48	90	6.42	114	9.59	0.53	2
MW-1	5/26/2016	WE1-160526-	0.77	118	6.49	115.3	10.15	--	3
MW-1	8/19/2016	WE1-160819-	0.6	125	6.66	191.4	11.58	1	2.5
MW-1	12/5/2016	WE1-161205-	0.6	63.9	7.36	265.8	9.78	1	1.8
MW-1	2/17/2017	WE1-170217-	0.42	157	7.06	251.3	9.44	0.37	3.4
MW-1	5/26/2017	WE1-170526-	0.77	159	6.55	115.2	11.1	0.29	4
MW-1	8/23/2017	WE1-170823-	0.49	180.4	6.32	201.1	10.56	0.44	3.5
MW-1	11/27/2017	WE1-171127-	0.61	0.9	6.99	221.2	10.041	0.34	2
MW-1	2/28/2018	WE1-180228-	0.86	198.3	6.1	104.5	9.578	0.43	2
MW-1	5/17/2018	WE1-180517-	0.83	220.1	6.22	114.5	10.1	0.63	
MW-1	11/21/2018	WE1-181121-	0.68	134.5	6.87	233.6	10.07	0.36	3
MW-1	5/24/2019	WE1-190524-	0.57	-30.7	7.15	260.5	10.2	0.45	2.75
MW-1	10/31/2019	WE1-191031-	0.66	-43.7	7.31	267.6	9.88	0.27	2.5
MW-1	1/20/2020	DUP-012020	0.58	77.8	7.42	268	9.8	0.45	1.75
MW-1	2/13/2020	DUP-021320	0.52	69.7	7.05	221.8	9.5	0.15	2.5
MW-1	3/12/2020	DUP-031220	0.72	63.4	6.37	147.7	9.9	0.24	1.5
MW-1	4/16/2020	DUP-041620	0.92	32.6	6.41	123.8	10.7	2.39	1.8
MW-1	5/14/2020	DUP-051420	0.98	54.2	6.05	117.5	10.3	0.69	2.5
MW-1	6/3/2020	WE1-200603-	0.95	168.4	6.13	138.7	10.24	0.64	3.25
MW-1	6/15/2020	DUP-061520	2.25	57.9	6.52	172.2	10.8	0.19	1.25
MW-1	11/19/2020	WE1-201119-	0.62	-21	7.21	230.8	10.15	0.21	3
MW-1	5/11/2021	WE1-210511-	1.33	387.4	6.18	132.2	10.43	0.26	2.5
MW-1	11/8/2021	WE1-211108-	0.87	-28.5	7.11	221.5	10.16	2.01	2.5
MW-1	5/25/2022	WE1-220525-	1.47	179.7	6.09	101.4	10.209	0.33	4.5
MW-1	12/6/2022	WE1-221206-	2.43	-4.9	6.77	152	9.154	0.26	4.25
MW-1	5/9/2023	WE1-230509-	1.76	2.5	6.93	182.2	9.377	0.3	4.5
MW-2	2/22/2013	WE2-130222-	--	--	5.8	65	9.5	--	24.3

Table I-3
Groundwater - Historical Field Parameters
January 1, 2013 - September 30, 2023

Groundwater - Field Parameters			Dissolved Oxygen (DO) (Field)	Oxidation- Reduction Potential (ORP) (Field)	pH (Field)	Specific Conductance (Field)	Temperature (Field)	Turbidity (Field)	Volume Purged
Well #	Sample Date	Sample ID	(mg/L)	(mV)	(std. units)	(µmhos/cm)	(°C)	(NTU)	(gal)
MW-2	5/29/2013	WE2-130529-	--	--	5.94	65	10	--	29
MW-2	8/15/2013	WE2-130815-	--	--	6.19	60	10.4	--	17
MW-2	8/15/2013	WE2-130815D	--	--	6.19	60	10.4	--	17
MW-2	11/14/2013	WE2-131114-	--	--	5.93	61	9.8	--	17.3
MW-2	2/18/2014	WE2-140218-	--	--	5.84	58	9.6	--	18.3
MW-2	5/14/2014	WE2-140514-	--	--	6.18	150	11.5	--	25.8
MW-2	9/23/2014	WE2-140923-	--	--	5.75	60	10.4	--	19
MW-2	12/3/2014	WE2-141203-	--	--	6	66	9.5	--	24.5
MW-2	2/19/2015	WE2-150219-	--	--	6.29	80	10.1	--	21
MW-2	2/19/2015	WE2-150219D	--	--	6.29	80	10.1	--	21
MW-2	5/12/2015	WE2-150512-	--	--	6.12	68	10.4	--	21.3
MW-2	8/6/2015	WE2-150806-	1.17	208	6.26	74.69	11.2	--	1.33
MW-2	11/25/2015	WE2-151125-	2.03	199	6.29	62.99	10.03	5.197	2
MW-2	2/5/2016	WE2-160205-	1.79	245	6.12	112.5	10.15	--	1
MW-2	5/26/2016	WE2-160526-	2.51	213	6.02	108.5	10.59	1.1	2.5
MW-2	8/19/2016	WE2-160819-	0.8	243	6.34	67.34	11.45	1.84	2
MW-2	12/8/2016	WE2-161208-	0.82	228.1	6.41	74	9.74	0.54	2.6
MW-2	2/17/2017	WE2-170217-	0.56	175	6.39	76.84	10.01	0.61	3.5
MW-2	5/26/2017	WE2-170526-	3.91	323.7	6.3	113.4	10.71	0.85	2
MW-2	8/23/2017	WE2-170823-	1.91	282.1	6.09	102	11	0.82	2
MW-2	11/27/2017	WE2-171127-	1.02	200.3	6.19	65.9	10.499	0.28	2.25
MW-2	3/2/2018	WE2-180302-	2.27	221.6	6.02	102.1	9.95	0.38	1.3
MW-2	5/17/2018	WE2-180517-	4.33	326.8	5.97	140.3	10.51	0.77	2.1
MW-2	11/21/2018	WE2-181121-	1.38	328.4	6.53	62.9	10.16	0.29	2
MW-2	5/24/2019	WE2-190524-	1.32	111.2	6.39	72.5	10.04	1.11	4.5
MW-2	10/31/2019	WE2-191031-	1.58	131.2	6.54	63	10.3	0.38	2.5
MW-2	6/3/2020	WE2-200603-	4.83	291.8	5.74	144.3	10.41	1.17	1.5
MW-2	11/19/2020	WE2-201119-	1.13	246.1	5.94	62	10.24	0.94	2.25
MW-2	5/11/2021	WE2-210511-	3.87	395.5	5.71	73.8	10.42	0.28	4.5
MW-2	11/8/2021	WE2-211108-	1.89	--	--	--	--	0.74	2.75
MW-2	5/25/2022	WE2-220525-	4.34	205.9	5.66	160.6	10.481	0.33	3.5
MW-2	12/6/2022	WE2-221206-	4.66	78.4	6.34	74.6	9.254	0.27	2.5
MW-2	5/9/2023	WE2-230509-	1.29	118.2	6.18	114.3	9.357	0.69	2.5
MW-6A	2/22/2013	WE6A130222-	--	--	6.25	74	9.5	--	14.2
MW-6A	6/11/2013	WE6A130611-	--	--	6.33	76	10.1	--	15
MW-6A	8/6/2013	WE6A130806-	--	--	6.55	80	10.8	--	18

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Groundwater - Historical Field Parameters
January 1, 2013 - September 30, 2023

Groundwater - Field Parameters			Dissolved Oxygen (DO) (Field)	Oxidation- Reduction Potential (ORP) (Field)	pH (Field)	Specific Conductance (Field)	Temperature (Field)	Turbidity (Field)	Volume Purged
Well #	Sample Date	Sample ID	(mg/L)	(mV)	(std. units)	(µmhos/cm)	(°C)	(NTU)	(gal)
MW-6A	11/4/2013	WE6A131104-	--	--	6.74	86	10.5	--	19.8
MW-6A	2/10/2014	WE6A140210-	--	--	6.3	76	9.8	--	12.5
MW-6A	5/19/2014	WE6A140519-	--	--	6.7	80	10.5	--	19.6
MW-6A	8/11/2014	WE6A140811-	--	--	6.31	82	13	--	14.5
MW-6A	12/1/2014	WE6A141201-	--	--	6.76	75	10.2	--	14.5
MW-6A	3/3/2015	WE6A150303-	--	--	6.74	78	10.1	--	17
MW-6A	5/18/2015	WE6A150518-	--	--	6.77	77	11	--	14.5
MW-6A	8/11/2015	WE6A150811-	8.93	298	6.67	86.31	11.35	--	1.25
MW-6A	12/1/2015	WE6A151201-	8.72	272	6.61	90.8	10.14	-1.631	2
MW-6A	2/9/2016	WE6A160209-	8.53	241	6.73	85.61	10.22	0.33	1.5
MW-6A	5/26/2016	WE6A160526-	9.34	279	6.74	88.57	11.18	0.25	2.75
MW-6A	8/22/2016	WE6A160822-	9.41	256	6.73	94.48	11.15	0.36	2.25
MW-6A	12/7/2016	WE6A161209-	9.54	493	6.24	83.68	9.78	0.46	1.5
MW-6A	2/22/2017	WE6A170222-	8.76	272.1	6.78	80.9		0.17	1.5
MW-6A	5/30/2017	WE6A170530-	8.14	344	6.81	82.44	10.42	0.83	1.75
MW-6A	8/21/2017	WE6A170821-	8.67	315	6.87	85.85	11.56	0.16	1
MW-6A	11/21/2017	WE6A171121-	9.43	289.7	6.48	87.8	10.45	0.66	--
MW-6A	2/12/2018	WE6A180212-	9.1	231.6	6.66	80.2	9.826	0.26	2.5
MW-6A	5/17/2018	WE6A180517-	8.88	208	6.59	80.4	10.3	0.58	3.5
MW-6A	11/21/2018	WE6A181121-	8.99	289.8	6.51	84.2	10.45	0.25	1.8
MW-6A	5/24/2019	WE6A190524-	8.36	355.2	6.4	76.1	10.5	0.61	1.8
MW-6A	10/31/2019	WE6A191031-	7.85	230.5	6.69	87.3	10.42	0.24	1
MW-6A	6/3/2020	WE6A200603-	8.35	384	6.48	91	10.52	0.14	2
MW-6A	11/19/2020	WE6A201119-	9.62	438.5	6.34	84.7	10.74	0.56	1.5
MW-6A	5/11/2021	WE6A210511-	8.85	277.8	6.35	79.5	10.59	0.31	2.5
MW-6A	11/8/2021	WE6A211108-	--	--	--	--	--	0.36	1.75
MW-6A	5/25/2022	WE6A220525-	8.72	489.1	6.1	78.3	10.567	0.89	3.75
MW-6A	12/6/2022	WE6A221206-	9.14	123.3	6.41	73.9	9.949	0.42	1.5
MW-6A	5/10/2023	WE6A230510-	8.16	375.1	6.28	71.9	10.481	0.65	4.25
MW-9	2/21/2013	WE9-130221-	--	--	5.9	70	8.4	--	8.2
MW-9	6/4/2013	WE9-130604-	--	--	6	100	9.2	--	11.2
MW-9	8/13/2013	WE9-130813-	--	--	6.19	92	10.2	--	7
MW-9	11/14/2013	WE9-131114-	--	--	5.92	83	9.8	--	6.6
MW-9	2/18/2014	WE9-140218-	--	--	5.84	85	9.8	--	9.2
MW-9	5/7/2014	WE9-140507-	--	--	6.3	67	8.7	--	10.5
MW-9	8/12/2014	WE9-140812-	--	--	6.27	200	11.5	--	8.5

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Groundwater - Historical Field Parameters
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Groundwater - Field Parameters			Dissolved Oxygen (DO) (Field)	Oxidation- Reduction Potential (ORP) (Field)	pH (Field)	Specific Conductance (Field)	Temperature (Field)	Turbidity (Field)	Volume Purged
Well #	Sample Date	Sample ID	(mg/L)	(mV)	(std. units)	(µmhos/cm)	(°C)	(NTU)	(gal)
MW-9	12/1/2014	WE9-141201-	--	--	6.36	80	10.1	--	9
MW-9	3/3/2015	WE9-150303-	--	--	6.33	70	8.6	--	10
MW-9	5/18/2015	WE9-150518-	--	--	6.25	105	11	--	8.1
MW-9	8/11/2015	WE9-150811-	1.05	340	6.27	80.57	11.32	--	1.5
MW-9	11/25/2015	WE9-151125-	6.21	365	6.19	83.02	10.03	1.599	1.25
MW-9	2/9/2016	WE9-160209-	10.04	269	6.56	46.39	8.62	6.06	2
MW-9	5/27/2016	WE9-160527-	3.12	364	6.45	132.5	10.27	0.46	2.75
MW-9	8/18/2016	WE9-160818-	0.31	273.1	6.14	118.4	10.76	0.83	7
MW-9	12/7/2016	WE9-161209-	3.94	458	6.25	94.2	8.22	0.69	2.5
MW-9	2/17/2017	WE9-170217-	4.08	300	6.32	70.4	10.61	0.47	2.6
MW-9	5/26/2017	WE9-170526-	7.75	317	6.22	180	9.17	0.36	3
MW-9	8/23/2017	WE9-170823-	1.27	307	6.43	158.7	10.75	0.17	3
MW-9	8/23/2017	WE9-170823D	1.27	307	6.43	158.7	10.75	0.17	3
MW-9	11/21/2017	WE9-171121-	3.78	246.2	6	109.3	10.157	0.45	2.5
MW-9	2/28/2018	WE9-180228-	8.96	267.5	6.01	48.5	8.32	5	2.75
MW-9	5/17/2018	WE9-180517-	5.27	342.7	5.8	152.9	9.4	0.39	1.9
MW-9	11/21/2018	WE9-181121-	0.59	241.4	6.23	67	9.96	0.54	3.2
MW-9	5/24/2019	WE9-190524-	1.53	172.8	6.23	98.4	9.24	0.58	2.75
MW-9	10/31/2019	WE9-191031-	0.38	100.1	6.59	71.1	9.91	0.25	4.9
MW-9	6/3/2020	WE9-200603-	4.94	235.7	5.95	149.1	9.69	0.5	2.8
MW-9	11/19/2020	WE9-201119-	0.69	267.2	5.66	119.3	10.04	0.29	3.1
MW-9	5/11/2021	WE9-210511-	4.97	416.9	5.84	129	9.71	0.52	2.25
MW-9	11/8/2021	WE9-211108-	1.1	280.5	5.93	62.4	9.88	0.62	2.75
MW-9	5/25/2022	WE9-220525-	7.24	191.4	5.79	66.4	9.601	0.36	2.5
MW-9	12/6/2022	WE9-221206-	0.61	89.5	6.15	76.8	9.307	0.28	3
MW-9	5/9/2023	WE9-230509-	8.33	202.6	6.09	72.9	8.891	0.33	3.25
MW-10	2/25/2013	WE10130225-	--	--	6.13	150	9.7	--	13.5
MW-10	6/4/2013	WE10130604-	--	--	6.38	170	9.8	--	10.5
MW-10	8/15/2013	WE10130815-	--	--	6.4	120	9.9	--	9.3
MW-10	11/8/2013	WE10131108-	--	--	6.02	100	9.8	--	8.2
MW-10	2/19/2014	WE10140219-	--	--	6.01	130	9.7	--	9
MW-10	5/19/2014	WE10140519-	--	--	6.6	230	10.8	--	12.2
MW-10	8/12/2014	WE10140812-	--	--	6.48	200	11.7	--	10.6
MW-10	12/3/2014	WE10141203-	--	--	6.4	140	9.9	--	12
MW-10	3/3/2015	WE10150303-	--	--	6.49	170	10.4	--	10
MW-10	5/11/2015	WE10150511-	--	--	6.55	150	10.6	--	10

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Groundwater - Historical Field Parameters
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Groundwater - Field Parameters			Dissolved Oxygen (DO) (Field)	Oxidation- Reduction Potential (ORP) (Field)	pH (Field)	Specific Conductance (Field)	Temperature (Field)	Turbidity (Field)	Volume Purged
Well #	Sample Date	Sample ID	(mg/L)	(mV)	(std. units)	(µmhos/cm)	(°C)	(NTU)	(gal)
MW-10	8/4/2015	WE10150804-	8.04	276	6.54	119.2	11.19	--	--
MW-10	12/1/2015	WE10151201-	6.69	280	6.18	183.5	10.89	-1.537	1.5
MW-10	2/8/2016	WE10160208-	8.06	240	6.33	314.4	10.83	0.25	2
MW-10	5/27/2016	WE10160527-	7.94	339	6.64	214.1	10.78	0.53	2
MW-10	5/27/2016	WE10160527D	7.94	339	6.64	214.1	10.78	0.53	2
MW-10	8/19/2016	WE10160819-	7.65	274	6.5	156.6	11.84	1.12	2.5
MW-10	12/5/2016	WE10161205-	7.96	338	6.51	133.33	10.61	0.49	2.25
MW-10	2/17/2017	WE10170217-	7.09	287.2	6.18	208.7	10.55	0.18	2.5
MW-10	5/26/2017	WE10170526-	8.55	369.3	6.43	248.4	10.89	0.95	1.5
MW-10	8/23/2017	WE10170823-	7.62	309	6.81	142.1	11.05	0.21	3.45
MW-10	11/21/2017	WE10171121-	7.56	284	6.17	145.3	10.542	0.54	2.5
MW-10	2/28/2018	WE10180228-	7.9	258.9	6.28	244.6	10.47	0.33	1.75
MW-10	5/17/2018	WE10180517-	8.32	358.1	6.43	211.9	10.65	0.42	1.5
MW-10	11/21/2018	WE10181121-	7.56	292	6.15	124.5	10.47	0.23	2.1
MW-10	5/24/2019	WE10190524-	8.09	374.6	6.39	102.7	10.45	0.36	2
MW-10	10/31/2019	WE10191031-	7.66	259.7	6.53	124.8	10.44	0.19	2.5
MW-10	6/3/2020	WE10200603-	8.49	275.2	6.22	170.9	11.13	0.37	1.5
MW-10	11/19/2020	WE10201119-	7.41	469.6	6.11	144.1	10.68	0.47	2
MW-10	5/11/2021	WE10210511-	8.35	279.1	6.46	198	10.46	0.76	3.5
MW-10	11/8/2021	WE10211108-	6.71	35.2	6.09	97.6	11	0.25	3.25
MW-10	5/25/2022	WE10220525-	8.35	369.6	6.25	246.4	10.175	1.1	3
MW-10	12/6/2022	WE10221206-	6.64	142.2	6.12	143.5	10.2	0.32	1.5
MW-10	5/10/2023	WE10230510-	8.36	367.4	6.31	126.2	10.83	0.79	4

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Groundwater - Field Parameters			Dissolved Oxygen (DO) (Field)	Oxidation- Reduction Potential (ORP) (Field)	pH (Field)	Specific Conductance (Field)	Temperature (Field)	Turbidity (Field)	Volume Purged
Well #	Sample Date	Sample ID	(mg/L)	(mV)	(std. units)	(µmhos/cm)	(°C)	(NTU)	(gal)
Field Blanks									
FIELD BLANK	8/11/2014	WE6A140811F	--	--	7.01	4.6	19.4	--	--
FIELD BLANK	9/23/2014	WE2-140923F	--	--	5.5	6.9	17.7	--	--
FIELD BLANK	12/1/2014	WE1-141201F	--	--	6.05	9.4	14	--	--
FIELD BLANK	5/18/2015	WE9-150518F	--	--	7.39	7	17.3	--	--
FIELD BLANK	12/2/2015	WE1-151202F	--	--	7.7	1	8.4	--	--
FIELD BLANK	2/8/2016	WE3-160208F	--	--	8.74	9.8	8.8	--	--
FIELD BLANK	8/18/2016	WE9-160818F	--	--	8.6	0.2	20.1	--	--
FIELD BLANK	12/5/2016	WE1-161205F	--	--	8.81	2	6.1	--	--
FIELD BLANK	2/22/2017	WE3-170222F	--	--	8.88	2.6	9.4	--	--
FIELD BLANK	10/31/2019	WE2-191031F	--	--	8.9	0.67	7.8	--	--
FIELD BLANK	11/19/2020	WE6A201119F	--	--	5.9	0.6	7.9	--	--
FIELD BLANK	5/25/2022	WE2-220525F	--	--	6.01	0.5	16.36	--	--
FIELD BLANK	12/6/2022	WE2-221206F	--	--	7.2	0.6	8.68	--	--

Notes:
-- = parameter is not sampled for
See Appendix A for qualifier definitions.

Table I-4
Groundwater - Historical Conventionals
January 1, 2013 - September 30, 2023

Groundwater - Conventionals			Alkalinity, Total (as CaCO ₃)	Ammonia as N	Chloride	Nitrate	Specific Conductance (Lab)	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(µmhos/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Monitoring Wells												
MW-3	2/13/2013	WE3-130213-	37.3	0.01 U	1.38	1.07	88.2	2.13	67.7	1 U	62.7	1 U
MW-3	6/10/2013	WE3-130610-	32.3	0.013 T	7.85	1.02	86.1	2.02	65.9	11.4	64.6	1 U
MW-3	8/16/2013	WE3-130816-	32	0.01 U	1.76	0.833	80.8	1.95	64.8	1 U	66	1 U
MW-3	11/5/2013	WE3-131105-	31.8	0.01 U	1.16	1.04	85.8	2.01	65	1 U	62.2	1 U
MW-3	2/13/2014	WE3-140213-	35.5	0.01 U	1.71	1.17	89.6	2.13	72.5	1 U	72.3	1 U
MW-3	5/21/2014	WE3-140521-	28	0.0126	1.72	1.03	75.8	2.46	59.4	1 U	59.9	1 U
MW-3	8/12/2014	WE3-140812-	31.8	0.0234	2.21	0.906	77.6	2	68.4	1 U	70.4	1 U
MW-3	11/20/2014	WE3-141120-	29.7	0.0163 B	1.82	1.03	82.8	2.06	51.7	1 U	61.6	1 U
MW-3	3/3/2015	WE3-150302-	34	0.01 U	1.43	0.978	87.5	2.18	62.3	1 U	63.8	1 U
MW-3	5/11/2015	WE3-150511-	29.8	0.0448	1.41	0.981	83.9	2.05	60.9	1 U	60.1	1 U
MW-3	8/6/2015	WE3-150806-	32.6	0.01 U	1.4	1.49	88.3	2.04	67.2	1 U	65.3	1 U
MW-3	12/1/2015	WE3-151201-	32.2	0.01 U	1.42	0.944	84.6	2.09	65.3	1 U	74	1 U
MW-3	2/8/2016	WE3-160208-	32.8	0.01 U	1.52	1.39	79.7	2.38	64.7	1 U	67.3	1 U
MW-3	5/26/2016	WE3-160526-	28.2	0.01 U	1.39	1.35	83.7	2.23	61.3	1 U	58	1 U
MW-3	8/22/2016	WE3-160822-	29.5	0.01 U	1.27	1.21	84.5	2.04	60.7	1 U	68	1 U
MW-3	12/5/2016	WE3-161205-	31.9	0.01 U	1.25	1.27	77.9	2.09	35.3	1 U	60.7	1 U
MW-3	2/22/2017	WE3-170222-	33.8	0.01 U	1.56	1.19	93.3	2.54	71.3	1 U	70.7	1 U
MW-3	5/30/2017	WE3-170530-	27.2	0.002 U	1.33	0.929	76.5	2.23	62.7	0.69 T	65.3	0.5 U
MW-3	8/21/2017	WE3-170821-	29.2	0.002 U	1.2	0.781	76.8	1.94	64 H	0.5 U	62.7	0.5 U
MW-3	11/27/2017	WE3-171127-	32.2	0.002 U	1.21	1.14	82.1	1.84	56	0.5 U	58.7	0.5 U
MW-3	11/27/2017	WE3-171127D	32.3	0.002 U	1.21	1.14	82.7	1.83	55.3	0.5 U	58	1 U
MW-3	3/2/2018	WE3-180302-	35.2	0.002 U	1.41	0.754	86.1	1.98	69.1	0.5 U	69.7	1 U
MW-3	5/17/2018	WE3-180517-	29.9	0.002 U	1.27	0.655	76.6	1.78	61.9	0.68 T	58.7	0.5 U
MW-3	11/21/2018	WE3-181121-	32.9	0.002 U	1.18	1.07	81.2	1.69	64.3	0.63 T	68	0.5 U
MW-3	5/24/2019	WE3-190524-	37.6	0.002 U	1.29	1.21	93.4	2.16	69.3	0.5 U	71.6	0.5 U
MW-3	10/31/2019	WE3-191031-	35.4	0.002 U	1.3	1.04	87.5	1.91	64.7	0.5 U	69.3	0.5 U
MW-3	6/3/2020	WE3-200603-	27.5	0.002 U	1.39	1.09	84.3	2.03	66.7 H	0.5 U	70 H	1 U
MW-3	11/19/2020	WE3-201119-	32.7	0.002 U	1.27	1.11	86.6	1.86	62.7	0.5 U	64.1	0.5 U
MW-3	5/11/2021	WE3-210511-	33.5	0.002 U	1.34	1.02	84.5	2.07	65.3	0.5 U	62.7	0.5 U
MW-3	11/8/2021	WE3-211108-	33.3	0.002 U	1.27	1.36	86.8	1.91	45.3	0.5 U	54	0.5 U
MW-3	5/25/2022	WE3-220525-	34.8 L	0.002 U	1.26	0.853	74.4	2.01	58	0.5 U	59.3	0.5 U
MW-3	12/6/2022	WE3-221206-	33.9	0.002 U	1.17	0.822	82.5	1.74	65.3	0.5 U	68	0.5 U
MW-3	5/10/2023	WE3-230510-	37.1	0.002 U	1.42	0.941	88.7	2.14	66.7	0.52 T	65.3	0.5 U
MW-1	2/21/2013	WE1-130221-	43.7	0.1	2.31	0.265	105	5.4	77.1	1 U	81.8	1 U
MW-1	6/3/2013	WE1-130603-	47.3	0.127	1.95	0.415	119	5.09	88.5	1 U	85.4	1 U
MW-1	8/13/2013	WE1-130813-	64.7	0.188	10.1	0.475	161	7.51	108	1 U	115	1 U

Table I-4
Groundwater - Historical Conventionals
January 1, 2013 - September 30, 2023

Groundwater - Conventionals			Alkalinity, Total (as CaCO ₃)	Ammonia as N	Chloride	Nitrate	Specific Conductance (Lab)	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(µmhos/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-1	11/8/2013	WE1-131108-	57	0.1	2.27	0.567	135	5.19	97.2	1 U	99.5	1 U
MW-1	2/11/2014	WE1-140211-	69.3	0.0996	1.92	0.362	156	4.86	99.9	1 U	99.5	1 U
MW-1	5/13/2014	WE1-140513-	38.7	0.0426	1.76	1.09	103	4.24	75	1 U	74.8	1 U
MW-1	8/12/2014	WE1-140812-	47.4	0.0948	1.57	0.436	112	5.17	87.1	1 U	88.8	1 U
MW-1	12/1/2014	WE1-141201-	56.2	0.0811	1.58	0.638	129	4.63	90.2	1 U	101	1 U
MW-1	2/9/2015	WE1-150209-	39.6	0.0575	1.6	0.712	104	4.38	72.9	1 U	72.4	1 U
MW-1	5/11/2015	WE1-150511-	50.1	0.0964	3	0.308	126	5.78	83	1 U	85.5	1 U
MW-1	8/3/2015	WE1-150803-	74.3	0.121	1.87	0.359	169	5.95	109	1 U	110	1 U
MW-1	12/2/2015	WE1-151202-	127	0.141	1.91	0.027 T	267	6.31	154	1 U	157	1 U
MW-1	2/5/2016	WE1-160205-	45.5	0.034	1.68	0.222	101	4.37	70.7	1 U	80	1 U
MW-1	5/26/2016	WE1-160526-	51	0.01 U	1.72	0.193	125	4.82	72	1 U	85.3	1 U
MW-1	8/19/2016	WE1-160819-	76.5	0.0833	1.85	0.636	179	5.88	115	1 U	118	1 U
MW-1	12/5/2016	WE1-161205-	118	0.123	1.73	0.0671	230	5.45	141	1 U	144	1 U
MW-1	2/17/2017	WE1-170217-	102	0.113	1.72	0.27	226	5.23	168	1 U	132	1 U
MW-1	5/26/2017	WE1-170526-	48.1	0.0118 B	1.74	0.258	116	4.41	80	0.54 T	86	0.5 U
MW-1	8/23/2017	WE1-170823-	82.1	0.14	2.34	0.376	202	12.1	142	0.65 T	144	0.5 U
MW-1	11/27/2017	WE1-171127-	101	0.0804	1.69	0.0723	214	4.75	122	0.5 U	129	0.5 U
MW-1	2/28/2018	WE1-180228-	43.9	0.0036 T	1.6	0.423	106	4.68	79.9	0.5 U	79	0.5 U
MW-1	5/17/2018	WE1-180517-	50.2	0.0046 T	1.35	0.246	118	4.2	81.7	0.5 U	76.3	0.5 U
MW-1	11/21/2018	WE1-181121-	109	0.0898	1.61	0.116	223	4.69	138	0.5 U	143	0.5 U
MW-1	5/24/2019	WE1-190524-	120	0.087	1.84	0.079	244	5.81	150	0.57 T	153	0.5 U
MW-1	10/31/2019	WE1-191031-	129	0.105	1.92	0.012 T	265	6.48	163	0.71 T	169	0.51 U
MW-1	1/20/2020	DUP-012020	127	--	1.96	--	--	--	--	--	--	--
MW-1	2/13/2020	DUP-021320	100	--	1.5	--	--	--	--	--	--	--
MW-1	3/12/2020	DUP-031220	65.9	--	1.55	--	--	--	--	--	--	--
MW-1	4/16/2020	DUP-041620	58.6	--	1.62	--	--	--	--	--	--	--
MW-1	5/14/2020	DUP-051420	57.3	--	1.41	--	--	--	--	--	--	--
MW-1	6/3/2020	WE1-200603-	61.2	0.0142	1.61	0.348	163	5.29	114	0.5 U	103	0.5 U
MW-1	6/15/2020	DUP-061520	67.8	--	1.92	--	--	--	--	--	--	--
MW-1	11/19/2020	WE1-201119-	115	0.0816	1.72	0.023 T	247	5.74	160	0.5 U	159	0.5 U
MW-1	5/11/2021	WE1-210511-	74.4	0.0065 T	1.89	0.478	170	6.52	108	0.56 T	109	0.5 U
MW-1	11/8/2021	WE1-211108-	119	0.138	1.85	0.01 U	249	6.15	142	0.5 U	137	0.5 U
MW-1	5/25/2022	WE1-220525-	55.9 L	0.0023 T	1.39	0.254	111	3.75	78.7	0.5 U	78.7	0.5 U
MW-1	12/6/2022	WE1-221206-	74.5	0.0221	1.47	0.5	163	3.97	111	0.5 U	107	0.5 U
MW-1	5/9/2023	WE1-230509-	91.9	0.0682	1.59	0.345	191	4.57	119	0.54 T	121	0.5 U
MW-2	2/22/2013	WE2-130222-	27.6	0.02 T	1.67	0.216	71.4	4.04	59.4	1 U	62.8	1 U
MW-2	5/29/2013	WE2-130529-	25.4	0.017 T	1.39	0.243	69.1	3.14	62.7	1 U	63.5	1.1

Table I-4
Groundwater - Historical Conventionals
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Groundwater - Conventionals			Alkalinity, Total (as CaCO ₃)	Ammonia as N	Chloride	Nitrate	Specific Conductance (Lab)	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(µmhos/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-2	8/15/2013	WE2-130815-	22.4	0.0154	6.05	0.125	61.8	3.08	63	1 U	66	1 U
MW-2	8/15/2013	WE2-130815D	22.3	0.0162	1.58	0.121	61.7	2.98	62.3	1 U	64.5	1 U
MW-2	11/14/2013	WE2-131114-	21.8	0.0211	1.95	0.118	63.2	2.91	62.9	1 U	68.4	1 U
MW-2	2/18/2014	WE2-140218-	26.2	0.0435	1.72	0.0795	65.9	3.11	60.8	1 U	61.3	1 U
MW-2	5/14/2014	WE2-140514-	35.5	0.0203 B	5.91	2.56	133	8.61	107	1 U	108	1 U
MW-2	9/23/2014	WE2-140923-	24.3	0.0406	2.09	0.396	65.6	4.85	54.1	1 U	56.3	1 U
MW-2	12/3/2014	WE2-141203-	27.6	0.034	--	0.636	71.7	2.9	57.7	1.95	69.5	1 U
MW-2	2/19/2015	WE2-150219-	28.9	0.018 T	20.5	0.254	86.2	6.18	64.9	1 U	79	1 U
MW-2	2/19/2015	WE2-150219D	28.8	0.021 T	1.59	0.255	86.2	7.45	64.9	1 U	80.7	1 U
MW-2	5/12/2015	WE2-150512-	24.1	0.0195	1.35	0.167	72	4.61	59.1	1 U	62.7	1.47
MW-2	8/6/2015	WE2-150806-	24.8	0.01 U	1.41	0.352	73.3	4.53	66.1	1 U	63.9	1 U
MW-2	11/25/2015	WE2-151125-	22.6	0.01 U	1.41	0.089	64.3	2.99	68	1 U	60	1.4 T
MW-2	2/5/2016	WE2-160205-	37.1	0.01 U	1.29	0.445	99.2	10.8	86	1 U	94	1 U
MW-2	5/26/2016	WE2-160526-	27.6	0.01 U	3.3	1.31	105	7.47	78	1 U	82.7	1 U
MW-2	8/19/2016	WE2-160819-	23.7	0.01 U	1.38	0.125	66.1	2.8	57.3	1 U	60.7	1 U
MW-2	12/8/2016	WE2-161208-	22.2	0.01 U	2.84	0.616	70.1	2.4	60.7	1 U	53.3	1 U
MW-2	2/17/2017	WE2-170217-	31.6	0.01 U	1.63	0.135	79.6	2.72	64.7	1 U	57.3	1 U
MW-2	5/26/2017	WE2-170526-	33.7	0.0033 BT	2.59	1.35	115	8.84	94	0.59 T	98	0.8 T
MW-2	8/23/2017	WE2-170823-	32	0.002 U	1.49	0.544	94.3	7.01	78.7	0.5 U	86	0.5 U
MW-2	11/27/2017	WE2-171127-	24.2	0.0036 T	1.34	0.17	65.9	3.24	48.7	0.5 U	50.7	0.5 U
MW-2	3/2/2018	WE2-180302-	28	0.0033 T	2.36	2.14	98.7	4.74	83.5	0.5 U	86	0.5 U
MW-2	5/17/2018	WE2-180517-	39.3	0.0022 T	2.11	2.31	138	11	105	0.68 T	102	0.5 T
MW-2	11/21/2018	WE2-181121-	24.1	0.002 U	1.19	0.195	61.8	2.63	56.3	0.5 U	60.2	0.5 U
MW-2	5/24/2019	WE2-190524-	27.2	0.0031 T	1.25	0.151	73.7	4.69	63.3	0.5 U	64.2	0.51 U
MW-2	10/31/2019	WE2-191031-	25.1	0.0024 T	1.28	0.087	64.7	2.62	54.7	0.5 U	58.7	0.5 U
MW-2	6/3/2020	WE2-200603-	38.4	0.002 U	3.49	3.1	155	11.3	107	0.5 U	111	0.5 U
MW-2	11/19/2020	WE2-201119-	25.9	0.002 U	1.45	0.0967	68.2	2.47	55.4	0.5 U	65.9	0.5 U
MW-2	5/11/2021	WE2-210511-	34.3	0.002 U	1.38	0.762	93.6	5.79	68.7	0.5 U	69.3	0.54 U
MW-2	11/8/2021	WE2-211108-	27.3	0.002 U	1.44	0.197	71	2.62	38	0.5 U	42	0.5 U
MW-2	5/25/2022	WE2-220525-	43.8 L	0.002 U	6.65	6.25	175	11.7	139	0.5 U	140	0.5 U
MW-2	12/6/2022	WE2-221206-	29.7	0.002 U	1.3	0.784	80.3	2.54	65.3	0.5 U	65.3	0.5 U
MW-2	5/9/2023	WE2-230509-	46.4	0.002 U	1.4	2.13	123	4.57	92	0.5 U	90.7	0.5 U
MW-6A	2/22/2013	WE6A130222-	34.5	0.01 U	1.37	0.807	82.7	2.19	59.3	1 U	63.2	1 U
MW-6A	6/11/2013	WE6A130611-	33.2	0.01 U	15.1	0.999	88.5	1.69	66.4	1 U	68	1 U
MW-6A	8/6/2013	WE6A130806-	34.8	0.0182	1.97	1.03	88.8	2.36	72.1	1.32	72.5	1 U
MW-6A	11/4/2013	WE6A131104-	34.2	0.01 U	1.32	0.98	90.4	2.08	62.7	1 U	64.2	1 T
MW-6A	2/10/2014	WE6A140210-	35.7	0.01 U	1.61	0.872	87.6	2.28	69.2	1 U	76.3	1 U

Table I-4
Groundwater - Historical Conventionals
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Groundwater - Conventionals			Alkalinity, Total (as CaCO ₃)	Ammonia as N	Chloride	Nitrate	Specific Conductance (Lab)	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(µmhos/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-6A	2/10/2014	WE6A140210D	36	0.01 U	1.69	0.87	88.4	2.31	68.9	1 U	64.8	1 U
MW-6A	5/19/2014	WE6A140519-	33.5	0.01 U	1.35	0.858	83.2	2.02	66.3	1 U	67.3	1 U
MW-6A	8/11/2014	WE6A140811-	36.1	0.07	1.68	1.05	87.5	2.06	71.5	1 U	74.4	1 U
MW-6A	12/1/2014	WE6A141201-	36.4	0.01 U	1.37	1.07	87.8	2.24	66.5	1 U	74.9	1 U
MW-6A	3/3/2015	WE6A150303-	31.5	0.01 U	1.35	0.925	81.6	2.06	62	1 U	62.7	1 U
MW-6A	5/18/2015	WE6A150518-	31.7	0.0133	9.64	0.806	82.6	2.11	62.8	1 U	64.2	1 U
MW-6A	8/11/2015	WE6A150811-	34.4	0.01 U	1.44	0.951	87.5	2.14	64.5	1 U	65.3	1 U
MW-6A	12/1/2015	WE6A151201-	35.4	0.01 U	1.46	1.05	92.5	2.26	62.7	1 U	66.7	1 U
MW-6A	2/9/2016	WE6A160209-	29.2	0.01 U	1.43	1.04	81.8	2.22	66	1 U	96.7	1 U
MW-6A	5/26/2016	WE6A160526-	34	0.01 U	1.47	1.42	92.7	2.12	68.7	1 U	64	1 U
MW-6A	8/22/2016	WE6A160822-	36.3	0.01 U	1.35	1.38	97.8	2.47	73.3	1 U	72	1 U
MW-6A	12/7/2016	WE6A161209-	31.4	0.01 U	1.34	1.32	83.2	2.25	58.7	1 U	82	1 U
MW-6A	2/22/2017	WE6A170222-	31.6	0.01 U	1.37	1.09	85.8	2.26	67.3	1 U	65.3	1 U
MW-6A	5/30/2017	WE6A170530-	29.2	0.002 U	1.46	1	82.4	2.36	64.7	0.5 U	66.7	0.5 U
MW-6A	8/21/2017	WE6A170821-	34.2	0.002 U	1.33	0.964	86.4	2.19	73.3 H	0.5 U	72.7	1 U
MW-6A	11/21/2017	WE6A171121-	35.4	0.002 U	1.28	1.05	88.6	2.17	67.3	0.5 U	70.7	0.5 U
MW-6A	2/12/2018	WE6A180212-	32.3	0.002 U	1.25	0.151	81.6	2.08	62.5	0.5 U	65.1	0.5 U
MW-6A	5/17/2018	WE6A180517-	33	0.002 U	1.25	0.747	81.4	1.87	63.3	0.5 U	63.5	0.5 U
MW-6A	11/21/2018	WE6A181121-	34.9	0.002 U	1.22	0.754	82.9	1.83	63.9	0.5 U	68.9	1 U
MW-6A	5/24/2019	WE6A190524-	33.6	0.002 U	1.21	0.696	80.2	1.87	63.5	0.5 U	63.3	0.5 U
MW-6A	10/31/2019	WE6A191031-	35.7	0.002 U	1.52	0.871	87.5	1.96	62	0.5 U	69.3	0.5 U
MW-6A	6/3/2020	WE6A200603-	35.9	0.002 U	1.37	0.915	94.9	2	66	0.5 U	64.7	0.5 U
MW-6A	11/19/2020	WE6A201119-	36.4	0.002 U	1.42	0.988	93.5	2.29	68.5	0.57 T	84.9	0.5 U
MW-6A	5/11/2021	WE6A210511-	35.1	0.002 U	1.29	0.851	85.2	1.98	60.7	0.5 U	60	0.5 U
MW-6A	11/8/2021	WE6A211108-	37.4	0.002 U	1.39	0.965	92.6	2.14	51.3	0.5 U	60.7	0.5 U
MW-6A	5/25/2022	WE6A220525-	39.3 L	0.002 U	1.86	1.02	85.1	2.06	69.3	0.5 U	68	0.5 U
MW-6A	12/6/2022	WE6A221206-	34.3	0.002 U	1.2	0.77	83.5	2.08	68.7	0.5 U	68	1 U
MW-6A	5/10/2023	WE6A230510-	33.8	0.002 U	1.23	0.537	78.6	2.08	61.3	0.5 U	60	0.5 U
MW-9	2/21/2013	WE9-130221-	36.5	0.01 U	0.831	0.308	78.4	1.48	73.7	1.65	82.4	1 U
MW-9	6/4/2013	WE9-130604-	49.7	0.01 U	1.59	0.585	127	6.57	103	1.31	99.1	1 U
MW-9	8/13/2013	WE9-130813-	36.4	0.01 U	1.85	0.491	95.8	4.44	83.1	1 U	90.9	1 U
MW-9	11/14/2013	WE9-131114-	32.4	0.01 U	2.07	0.446	93.3	4.08	89.8	1 U	93.2	1 U
MW-9	2/18/2014	WE9-140218-	54.7	0.01 U	1.06	0.107	116	2.43	88.3	1.45	87.4	1 U
MW-9	5/7/2014	WE9-140507-	33.8	0.01 U	0.123	0.0766	71.6	1.31	66.6	1.66	65.2	1 U
MW-9	8/12/2014	WE9-140812-	54.2	0.01 U	10.7	8.19	222	4.78	193	1 U	197	1 U
MW-9	12/1/2014	WE9-141201-	39.3	0.01 U	0.812	0.191	85.9	3.27	80.7	1.81	101	1 U
MW-9	3/3/2015	WE9-150303-	32.2	0.01 U	0.699	0.239	73.6	1.2	67.7	1.41	69.9	1 U

Table I-4
Groundwater - Historical Conventionals
January 1, 2013 - September 30, 2023

Groundwater - Conventionals			Alkalinity, Total (as CaCO ₃)	Ammonia as N	Chloride	Nitrate	Specific Conductance (Lab)	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(µmhos/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-9	5/18/2015	WE9-150518-	38.7	0.022	3.11	1.39	119	8.88	92.7	1 U	94.9	1 U
MW-9	8/11/2015	WE9-150811-	27.3	0.01 U	1.82	1.06	82.2	3.65	78.7	1 U	78.3	1 U
MW-9	11/25/2015	WE9-151125-	34	0.01 U	0.671	0.366	86.1	3.47	74.7	2.14	103	1.4
MW-9	2/9/2016	WE9-160209-	17.5	0.01 U	0.81	0.117	45.2	1.11	54	1.58	56	1 U
MW-9	5/27/2016	WE9-160527-	48.4	0.01 U	2.62	1.3	136	5.89	95.3	1 U	92	1 U
MW-9	8/18/2016	WE9-160818-	37.5	0.01 U	4.46	1.22	122	5.54	101	1 U	103	1 U
MW-9	12/7/2016	WE9-161209-	38.5	0.01 U	1.33	0.231	94.3	3.62	80.7	1.36	84	1 U
MW-9	2/17/2017	WE9-170217-	28.9	0.01 U	0.912	0.159	72.8	1.67	72	1.21	66.7	1 U
MW-9	5/26/2017	WE9-170526-	67	0.002 U	2.1	1.65	180	11.1	149	1.06	142	0.5 U
MW-9	8/23/2017	WE9-170823-	59	0.002 U	3.59	0.779	163	9.24	126	0.53 T	128	0.5 U
MW-9	8/23/2017	WE9-170823D	58.3	0.002 U	3.59	0.777	161	9.23	124	0.79 T	139	0.5 U
MW-9	11/21/2017	WE9-171121-	34.8	0.002 U	4.73	1.9	110	2.9	101	0.93 T	104	0.5 U
MW-9	2/28/2018	WE9-180228-	21.2	0.002 U	0.263	0.208	50.1	0.752	60	2.18	62.1	0.5 U
MW-9	5/17/2018	WE9-180517-	61.7	0.002 U	1.82	1.26	155	5.17	112	1.4	110	0.5 U
MW-9	11/21/2018	WE9-181121-	25.4	0.0022 T	1.4	0.162	66.2	3.12	69.2	0.5 U	71	0.5 U
MW-9	5/24/2019	WE9-190524-	42.6	0.002 U	1.14	0.133	95.9	2.93	81.3	0.91 T	81.7	0.5 U
MW-9	10/31/2019	WE9-191031-	29.2	0.002 U	1.32	0.063	72.7	2.51	66	0.54 T	68.7	1 U
MW-9	6/3/2020	WE9-200603-	62.2	0.002 U	1.55	0.541	163	7.44	107	1.07	109	0.5 U
MW-9	11/19/2020	WE9-201119-	44.7	0.002 U	4.1	0.713	130	7.02	98.1	0.5 U	105	0.5 U
MW-9	5/11/2021	WE9-210511-	68.5	0.002 U	1.65	0.938	163	6.33	107	0.87 T	108	0.5 U
MW-9	11/8/2021	WE9-211108-	24.6	0.002 U	1.47	0.711	70.4	2.85	52.7	0.5 U	55.3	0.5 U
MW-9	5/25/2022	WE9-220525-	40.8 L	0.002 U	0.074 T	0.0912	73.5	1.46	60	1.73	60.7	1 U
MW-9	12/6/2022	WE9-221206-	28.6	0.002 U	1.45	0.312	83	5.79	78	0.5 U	80	0.5 U
MW-9	5/9/2023	WE9-230509-	32.1	0.002 U	0.695	0.812	77.7	2.18	70	1.3 T	72	0.5 U
MW-10	2/25/2013	WE10130225-	53.8	0.01 U	2.2	1.72	190	28.1	129	1 U	135	1 U
MW-10	6/4/2013	WE10130604-	64.1	0.01 U	1.98	1.77	215	27.1	152	1.1	150	1 U
MW-10	8/15/2013	WE10130815-	42.1	0.01 U	4.07	1.39	132	13.5	106	1 U	106	1 U
MW-10	11/8/2013	WE10131108-	43.9	0.01 U	1.88	1.78	126	5.19	98	1 U	98.5	1 U
MW-10	2/19/2014	WE10140219-	54.9	0.01 U	1.74	0.4	159	12.8	113	1 U	119	1 U
MW-10	5/19/2014	WE10140519-	86.4	0.01 U	2.2	1.93	272	35.7	182	1 U	187	1 U
MW-10	8/12/2014	WE10140812-	67.6	0.01 U	3.98	6.45	214	14.1	169	1 U	176	1 U
MW-10	12/3/2014	WE10141203-	53.2	0.0293	2.94	2.34	162	13.7	120	1 U	142	5.01
MW-10	3/3/2015	WE10150303-	55.3	0.01 U	1.87	1.86	183	21	128	1 U	131	1 U
MW-10	5/11/2015	WE10150511-	55.4	0.01 U	13	1.72	183	20.6	120	1 U	124	1 U
MW-10	8/4/2015	WE10150804-	43.4	0.01 U	1.5	1.26	120	7.33	87.3	1 U	90.1	1 U
MW-10	12/1/2015	WE10151201-	57.3	0.01 U	1.91	2.38	187	18	131	1 U	183	1 U
MW-10	2/8/2016	WE10160208-	94.1	0.01 U	2.06	2.05	293	45.5	210	1 U	221	1 U

Table I-4
Groundwater - Historical Conventionals
January 1, 2013 - September 30, 2023

Groundwater - Conventionals			Alkalinity, Total (as CaCO ₃)	Ammonia as N	Chloride	Nitrate	Specific Conductance (Lab)	Sulfate	Total Dissolved Solids	Total Organic Carbon	Total Solids	Total Suspended Solids
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(µmhos/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-10	5/27/2016	WE10160527-	70.2	0.01 U	2.22	2.45	215	16.9	141	1 U	135	1 U
MW-10	5/27/2016	WE10160527D	70.2	0.01 U	2.25	2.4	214	16.9	139	1 U	141	1 U
MW-10	8/19/2016	WE10160819-	53.5	0.01 U	2.65	2.91	160	5.88	117	1 U	110	1 U
MW-10	12/5/2016	WE10161205-	46.1	0.01 U	1.69	2.26	126	7.68	78	1 U	91.3	1 U
MW-10	2/17/2017	WE10170217-	59	0.01 U	2.24	3.31	212	21.7	144	1 U	140	1 U
MW-10	5/26/2017	WE10170526-	79.5	0.002 U	2.05	2.24	260	32.7	174	0.86 T	183	0.5 U
MW-10	8/23/2017	WE10170823-	49.8	0.002 U	1.57	1.54	143	9.26	108	0.5 U	105	0.5 U
MW-10	11/21/2017	WE10171121-	53.5	0.002 U	1.71	2.51	146	5.54	111	0.5 U	113	0.5 U
MW-10	2/28/2018	WE10180228-	75.6	0.002 U	2.18	2.22	248	34.2	168	0.75 T	173	0.5 U
MW-10	5/17/2018	WE10180517-	70.1	0.002 U	1.75	1.74	212	20.2	142	0.81 T	141	0.51 U
MW-10	11/21/2018	WE10181121-	46.8	0.002 U	1.49	1.85	121	3.91	94.7	0.5 U	94.6	0.5 U
MW-10	5/24/2019	WE10190524-	38.2	0.002 U	1.43	1	107	7.75	81.9	0.5 U	83.3	0.5 U
MW-10	10/31/2019	WE10191031-	48.2	0.002 U	1.35	1.41	125	5.53	94	0.57 T	93.3	0.5 U
MW-10	6/3/2020	WE10200603-	61.3	0.002 U	1.75	1.61	192	16.8	123	0.73 T	156	0.5 U
MW-10	11/19/2020	WE10201119-	55	0.002 U	2.27	2.48	158	6.39	111	0.5 U	116	0.5 U
MW-10	5/11/2021	WE10210511-	75.3	0.002 U	1.73	1.9	213	18.7	140	0.5 U	139	1 U
MW-10	11/8/2021	WE10211108-	56.7	0.002 U	2.74	2.32	151	3.77	98.7	0.5 U	88.7	1 U
MW-10	5/25/2022	WE10220525-	108 L	0.002 U	4.51	2.24	271	26.1	183	0.56 T	188	0.5 U
MW-10	12/6/2022	WE10221206-	61.9	0.002 U	2	2.06	170	9.08	121	0.5 U	119	0.5 U
MW-10	5/10/2023	WE10230510-	50	0.0038 T	1.82	1.16	138	10.8	94.7	0.74 T	97.3	0.5 T
Field Blanks												
FIELD BLANK	8/11/2014	WE6A140811F	8.19	0.01 U	0.1 U	0.034 T	8.78	0.1 U	5 U	1 U	5 U	1 U
FIELD BLANK	9/23/2014	WE2-140923F	1.3 T	0.01 U	0.1 U	0.032 T	3.6 T	0.1 U	5 U	1 U	5 U	1 U
FIELD BLANK	12/1/2014	WE1-141201F	6.38	0.01 U	0.1 U	0.025 T	4.1 T	0.1 U	5 U	1 U	5 U	1 U
FIELD BLANK	5/18/2015	WE9-150518F	1.5 T	0.01 U	0.1 U	0.037 T	5.34	0.1 U	5 U	1 U	5 U	1 U
FIELD BLANK	12/2/2015	WE1-151202F	1 U	0.01 U	0.1 U	0.01 U	1.3 T	0.1 U	5 U	1 U	5 U	1 U
FIELD BLANK	2/8/2016	WE3-160208F	1 U	0.01 U	0.1 U	0.01 U	1 T	0.1 U	5 U	1 U	14 HT	1 U
FIELD BLANK	8/18/2016	WE9-160818F	1 U	0.01 U	0.1 U	0.01 U	1.4 T	0.1 U	5 U	1 U	5 U	1 U
FIELD BLANK	12/5/2016	WE1-161205F	1 U	0.01 U	0.1 U	0.01 U	1.8 T	0.1 U	5 U	1 U	5 U	1 U
FIELD BLANK	2/22/2017	WE3-170222F	1 U	0.01 U	0.1 U	0.01 U	1.4 T	0.1 U	5 U	1 U	5 U	1 U
FIELD BLANK	10/31/2019	WE2-191031F	1 U	0.0081 T	0.05 U	0.01 U	2 T	0.1 U	10 U	0.5 U	10 U	0.5 U
FIELD BLANK	11/19/2020	WE6A201119F	1 U	0.002 U	0.05 U	0.01 U	1.1 T	0.1 U	10 U	0.5 U	10 U	0.52 U
FIELD BLANK	5/25/2022	WE2-220525F	1 LU	0.002 U	0.05 U	0.01 U	1.2 T	0.1 U	10 U	0.5 U	10 U	0.5 U
FIELD BLANK	12/6/2022	WE2-221206F	1 U	0.002 U	0.05 U	0.01 U	1 U	0.1 U	10 U	0.5 U	10 U	0.5 U

Notes:

-- = parameter is not sampled for

See Appendix A for qualifier definitions.

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Antimony, Dissolved (mg/L)	Arsenic, Dissolved (ug/L)	Arsenic, Total (ug/L)	Barium, Dissolved (mg/L)	Barium, Total (mg/L)	Beryllium, Dissolved (mg/L)	Cadmium, Dissolved (mg/L)	Cadmium, Total (mg/L)	Calcium, Dissolved (mg/L)	Chromium, Dissolved (mg/L)	Chromium, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Monitoring Wells													
MW-3	2/13/2013	WE3-130213-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.77	0.005 U	--
MW-3	6/10/2013	WE3-130610-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.56	0.005 U	--
MW-3	8/16/2013	WE3-130816-	0.001 U	1 U	--	0.001 U	--	0.001 DU	0.002 U	--	7.64	0.005 U	--
MW-3	11/5/2013	WE3-131105-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.91	0.005 U	--
MW-3	2/13/2014	WE3-140213-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.9	0.005 U	--
MW-3	5/21/2014	WE3-140521-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	7.54	0.005 U	--
MW-3	8/12/2014	WE3-140812-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	7.53	0.005 U	--
MW-3	11/20/2014	WE3-141120-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	7.95	0.005 U	--
MW-3	3/3/2015	WE3-150302-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.95	0.005 U	--
MW-3	5/11/2015	WE3-150511-	0.001 U	1 U	--	0.001 DU	--	0.001 U	0.002 U	--	8.06	0.005 U	--
MW-3	8/6/2015	WE3-150806-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.25	0.005 U	--
MW-3	12/1/2015	WE3-151201-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	7.94	0.005 U	--
MW-3	2/8/2016	WE3-160208-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	7.96	0.005 U	--
MW-3	5/26/2016	WE3-160526-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.48	0.005 U	--
MW-3	8/22/2016	WE3-160822-	0.001 U	1 U	--	0.001 U	--	0.001 DU	0.002 U	--	7.85	0.005 U	--
MW-3	12/5/2016	WE3-161205-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	7.61	0.005 U	--
MW-3	2/22/2017	WE3-170222-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	9.14 D	0.005 U	--
MW-3	5/30/2017	WE3-170530-	0.0003 U	0.188	--	0.000784	--	0.0001 U	5E-05 U	--	7.91	0.000275	--
MW-3	8/21/2017	WE3-170821-	0.0003 U	0.192	--	0.000752	--	0.0001 U	5E-05 U	--	8.11	0.000237	--
MW-3	11/27/2017	WE3-171127-	0.0003 U	0.183	--	0.000839	--	0.0001 U	5E-05 U	--	8.57	0.00025	--
MW-3	11/27/2017	WE3-171127D	0.0003 U	0.182	--	0.000796	--	0.0001 U	5E-05 U	--	8.59	0.000321	--
MW-3	3/2/2018	WE3-180302-	0.0003 U	0.176	--	0.000932	--	0.0001 U	5E-05 U	--	9.07	0.00023	--
MW-3	5/17/2018	WE3-180517-	0.0003 U	0.204 D	--	0.000787	--	0.0001 U	5E-05 DU	--	7.72 D	0.000257 D	--
MW-3	11/21/2018	WE3-181121-	--	0.175	--	--	--	--	--	--	8.85	--	--
MW-3	5/24/2019	WE3-190524-	--	0.179	--	--	--	--	--	--	10	--	--
MW-3	10/31/2019	WE3-191031-	--	0.173	--	--	--	--	--	--	9.56	--	--
MW-3	6/3/2020	WE3-200603-	--	0.184	--	--	--	--	--	--	8.53	--	--
MW-3	11/19/2020	WE3-201119-	--	0.168	--	--	--	--	--	--	8.54	--	--
MW-3	5/11/2021	WE3-210511-	--	0.196	--	--	--	--	--	--	8.93	--	--
MW-3	11/8/2021	WE3-211108-	--	0.192	--	--	--	--	--	--	9.17	--	--
MW-3	5/25/2022	WE3-220525-	--	0.186	--	--	--	--	--	--	8.09	--	--
MW-3	12/6/2022	WE3-221206-	--	0.179	--	--	--	--	--	--	9.09	--	--
MW-3	5/10/2023	WE3-230510-	--	--	0.178	--	0.000964	--	--	5E-05 U	9.49	--	0.000245
MW-1	2/21/2013	WE1-130221-	0.001 U	1.52	--	0.00302	--	0.001 DU	0.002 U	--	10.5	0.005 U	--
MW-1	6/3/2013	WE1-130603-	0.001 U	1.3	--	0.00315	--	0.001 U	0.002 U	--	10	0.005 U	--
MW-1	8/13/2013	WE1-130813-	0.001 U	1.17	--	0.00498	--	0.001 DU	0.002 U	--	14.9	0.005 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Cobalt, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Copper, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)	Lead, Dissolved (mg/L)	Lead, Total (mg/L)	Magnesium, Dissolved (mg/L)	Manganese, Dissolved (ug/L)	Manganese, Total (ug/L)	Mercury, Dissolved (mg/L)	Mercury, Total (mg/L)
Well #	Sample Date	Sample ID	Monitoring Wells											
MW-3	2/13/2013	WE3-130213-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.68	1 U	--	0.0001 U	--
MW-3	6/10/2013	WE3-130610-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.34	1 U	--	0.0001 U	--
MW-3	8/16/2013	WE3-130816-	0.003 DU	0.002 U	--	0.01 U	--	0.001 U	--	2.36	1 U	--	0.0001 U	--
MW-3	11/5/2013	WE3-131105-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.48	1 U	--	0.0001 U	--
MW-3	2/13/2014	WE3-140213-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.51	1 U	--	0.0001 U	--
MW-3	5/21/2014	WE3-140521-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.08	1 U	--	0.0001 U	--
MW-3	8/12/2014	WE3-140812-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.52	1 DU	--	0.0001 U	--
MW-3	11/20/2014	WE3-141120-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.31	1 U	--	0.0001 U	--
MW-3	3/3/2015	WE3-150302-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.37	1 U	--	0.0001 U	--
MW-3	5/11/2015	WE3-150511-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.32	1 DU	--	0.0001 U	--
MW-3	8/6/2015	WE3-150806-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.3	1 U	--	0.0001 U	--
MW-3	12/1/2015	WE3-151201-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.55	1 U	--	0.0001 U	--
MW-3	2/8/2016	WE3-160208-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.34	1 U	--	0.0001 U	--
MW-3	5/26/2016	WE3-160526-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.38	1 U	--	0.0001 U	--
MW-3	8/22/2016	WE3-160822-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.58	1 U	--	0.0001 U	--
MW-3	12/5/2016	WE3-161205-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.35	1 U	--	0.0001 U	--
MW-3	2/22/2017	WE3-170222-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.75 D	1 DU	--	0.0001 U	--
MW-3	5/30/2017	WE3-170530-	5E-05 U	0.00142	--	0.01 U	--	0.0001 U	--	2.31	0.1 U	--	5E-05 U	--
MW-3	8/21/2017	WE3-170821-	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	2.27	0.1 U	--	5E-05 U	--
MW-3	11/27/2017	WE3-171127-	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	2.49	0.1 U	--	5E-05 U	--
MW-3	11/27/2017	WE3-171127D	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	2.5	0.1 U	--	5E-05 U	--
MW-3	3/2/2018	WE3-180302-	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	2.67	0.1 U	--	5E-05 U	--
MW-3	5/17/2018	WE3-180517-	5E-05 DU	0.0002 DU	--	0.01 DU	--	0.0001 U	--	2.41 D	0.482 D	--	5E-05 U	--
MW-3	11/21/2018	WE3-181121-	--	--	--	0.01 U	--	--	--	2.39	0.1 U	--	--	--
MW-3	5/24/2019	WE3-190524-	--	--	--	0.01 U	--	--	--	2.88	0.1 U	--	--	--
MW-3	10/31/2019	WE3-191031-	--	--	--	0.01 U	--	--	--	2.75	0.1 U	--	--	--
MW-3	6/3/2020	WE3-200603-	--	--	--	0.01 U	--	--	--	2.57	0.1 U	--	--	--
MW-3	11/19/2020	WE3-201119-	--	--	--	0.01 U	--	--	--	2.63	0.1 U	--	--	--
MW-3	5/11/2021	WE3-210511-	--	--	--	0.01 U	--	--	--	2.77	0.1 U	--	--	--
MW-3	11/8/2021	WE3-211108-	--	--	--	0.01 U	--	--	--	2.69	0.1 U	--	--	--
MW-3	5/25/2022	WE3-220525-	--	--	--	0.01 U	--	--	--	2.4	0.1 U	--	--	--
MW-3	12/6/2022	WE3-221206-	--	--	--	0.01 U	--	--	--	2.53	0.1 U	--	--	--
MW-3	5/10/2023	WE3-230510-	--	--	0.0002 DU	0.01 U	0.01 U	--	0.0001 U	2.88	0.1 U	0.1 U	--	5E-05 U
MW-1	2/21/2013	WE1-130221-	0.003 U	0.002 U	--	0.259	--	0.001 U	--	2.79 D	1220 D	--	0.0001 U	--
MW-1	6/3/2013	WE1-130603-	0.003 U	0.002 U	--	0.398	--	0.001 U	--	2.92	1400	--	0.0001 U	--
MW-1	8/13/2013	WE1-130813-	0.003 DU	0.002 U	--	0.431	--	0.001 U	--	4.43	2040	--	0.0001 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Nickel, Dissolved (mg/L)	Potassium, Dissolved (mg/L)	Selenium, Dissolved (mg/L)	Selenium, Total (mg/L)	Silver, Dissolved (mg/L)	Silver, Total (mg/L)	Sodium, Dissolved (mg/L)	Thallium, Dissolved (mg/L)	Vanadium, Dissolved (mg/L)	Zinc, Dissolved (mg/L)	Zinc, Total (mg/L)
Well #	Sample Date	Sample ID	Monitoring Wells										
MW-3	2/13/2013	WE3-130213-	0.01 U	0.64	0.001 U	--	0.003 U	--	3.74	0.001 U	0.002 U	0.004 U	--
MW-3	6/10/2013	WE3-130610-	0.01 U	0.656	0.001 U	--	0.003 U	--	3.56	0.001 U	0.002 U	0.004 U	--
MW-3	8/16/2013	WE3-130816-	0.01 DU	0.632	0.001 U	--	0.003 U	--	3.58	0.001 U	0.002 U	0.004 U	--
MW-3	11/5/2013	WE3-131105-	0.01 U	0.611	0.001 U	--	0.003 U	--	3.79	0.001 U	0.002 U	0.004 U	--
MW-3	2/13/2014	WE3-140213-	0.01 U	0.635	0.001 U	--	0.003 U	--	3.66	0.001 U	0.002 U	0.004 U	--
MW-3	5/21/2014	WE3-140521-	0.01 U	0.622	0.001 U	--	0.003 U	--	3.36	0.001 U	0.002 U	0.004 U	--
MW-3	8/12/2014	WE3-140812-	0.01 U	0.639	0.001 U	--	0.003 U	--	3.18	0.001 DU	0.002 DU	0.004 U	--
MW-3	11/20/2014	WE3-141120-	0.01 U	0.638	0.001 U	--	0.003 U	--	3.33	0.001 U	0.002 U	0.004 DU	--
MW-3	3/3/2015	WE3-150302-	0.01 U	0.683	0.001 U	--	0.003 U	--	3.48	0.001 U	0.002 U	0.004 U	--
MW-3	5/11/2015	WE3-150511-	0.01 U	0.648	0.001 U	--	0.003 U	--	3.52	0.001 U	0.002 U	0.004 U	--
MW-3	8/6/2015	WE3-150806-	0.01 U	0.643	0.001 U	--	0.003 U	--	3.43	0.001 U	0.002 U	0.004 U	--
MW-3	12/1/2015	WE3-151201-	0.01 U	0.626	0.001 U	--	0.003 U	--	3.33	0.001 U	0.002 U	0.004 U	--
MW-3	2/8/2016	WE3-160208-	0.01 U	0.73 D	0.001 U	--	0.003 DU	--	3.15	0.001 U	0.002 U	0.004 U	--
MW-3	5/26/2016	WE3-160526-	0.01 U	0.61	0.001 U	--	0.003 U	--	3.58	0.001 U	0.002 U	0.004 U	--
MW-3	8/22/2016	WE3-160822-	0.01 U	0.654	0.001 U	--	0.003 U	--	3.44	0.001 U	0.002 U	0.004 U	--
MW-3	12/5/2016	WE3-161205-	0.01 U	0.648	0.001 U	--	0.003 U	--	3.46	0.001 U	0.002 U	0.004 U	--
MW-3	2/22/2017	WE3-170222-	0.01 U	0.67	0.001 U	--	0.003 U	--	3.93 D	0.001 U	0.002 U	0.004 U	--
MW-3	5/30/2017	WE3-170530-	0.000181	0.62	0.0005 U	--	4E-05 U	--	3.7	0.0001 U	0.000569	0.00158	--
MW-3	8/21/2017	WE3-170821-	0.0001 U	0.636	0.0005 U	--	4E-05 U	--	3.62	0.0001 U	0.000559	0.0005 U	--
MW-3	11/27/2017	WE3-171127-	0.0001 U	0.674	0.0005 U	--	4E-05 U	--	3.74	0.0001 U	0.000551	0.0005 U	--
MW-3	11/27/2017	WE3-171127D	0.00014	0.678	0.0005 U	--	4E-05 U	--	3.74	0.0001 U	0.000556	0.0005 U	--
MW-3	3/2/2018	WE3-180302-	0.0001 U	0.689	0.0005 U	--	4E-05 U	--	3.89	0.0001 U	0.000538	0.0005 U	--
MW-3	5/17/2018	WE3-180517-	0.0001 DU	0.651 D	0.0005 DU	--	4E-05 DU	--	3.69 D	0.0001 U	0.000631 D	0.000537 D	--
MW-3	11/21/2018	WE3-181121-	--	0.651	--	--	--	--	3.63	--	--	0.0005 U	--
MW-3	5/24/2019	WE3-190524-	--	0.702	--	--	--	--	3.96	--	--	--	--
MW-3	10/31/2019	WE3-191031-	--	0.689	--	--	--	--	3.82	--	--	--	--
MW-3	6/3/2020	WE3-200603-	--	0.63	--	--	--	--	3.9	--	--	--	--
MW-3	11/19/2020	WE3-201119-	--	0.602	--	--	--	--	3.78	--	--	--	--
MW-3	5/11/2021	WE3-210511-	--	0.696	--	--	--	--	4.11	--	--	--	--
MW-3	11/8/2021	WE3-211108-	--	0.709	--	--	--	--	3.74	--	--	--	--
MW-3	5/25/2022	WE3-220525-	--	0.58	--	--	--	--	3.41	--	--	--	--
MW-3	12/6/2022	WE3-221206-	--	0.638	--	--	--	--	3.69	--	--	--	--
MW-3	5/10/2023	WE3-230510-	--	0.698	--	0.0005 U	--	4E-05 U	3.87	--	--	--	0.0005 DU
MW-1	2/21/2013	WE1-130221-	0.01 U	1.19	0.001 U	--	0.003 U	--	5.41 D	0.001 U	0.002 U	0.004 U	--
MW-1	6/3/2013	WE1-130603-	0.01 U	1.15	0.001 U	--	0.003 DU	--	5.18	0.001 U	0.002 U	0.004 U	--
MW-1	8/13/2013	WE1-130813-	0.01 DU	1.85	0.001 U	--	0.003 U	--	7.34	0.001 U	0.002 U	0.004 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Antimony, Dissolved (mg/L)	Arsenic, Dissolved (ug/L)	Arsenic, Total (ug/L)	Barium, Dissolved (mg/L)	Barium, Total (mg/L)	Beryllium, Dissolved (mg/L)	Cadmium, Dissolved (mg/L)	Cadmium, Total (mg/L)	Calcium, Dissolved (mg/L)	Chromium, Dissolved (mg/L)	Chromium, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-1	11/8/2013	WE1-131108-	0.001 U	3.26	--	0.00346	--	0.001 U	0.002 U	--	13.8	0.005 U	--
MW-1	2/11/2014	WE1-140211-	0.001 U	4.53	--	0.00375	--	0.001 U	0.002 U	--	16.2	0.005 U	--
MW-1	5/13/2014	WE1-140513-	0.001 U	1.4	--	0.00278	--	0.001 U	0.002 U	--	8.9	0.005 U	--
MW-1	8/12/2014	WE1-140812-	0.001 U	1.11	--	0.00277	--	0.001 U	0.002 U	--	10.1	0.005 U	--
MW-1	12/1/2014	WE1-141201-	0.001 U	2.36	--	0.00328	--	0.001 U	0.002 U	--	12.9	0.005 U	--
MW-1	2/9/2015	WE1-150209-	0.001 U	1.53	--	0.00254	--	0.001 U	0.002 U	--	9.26	0.005 U	--
MW-1	5/11/2015	WE1-150511-	0.001 U	1 U	--	0.0033 D	--	0.001 U	0.002 U	--	11.7	0.005 U	--
MW-1	8/3/2015	WE1-150803-	0.001 U	1.46	--	0.00381	--	0.001 U	0.002 U	--	17.3	0.005 U	--
MW-1	12/2/2015	WE1-151202-	0.001 U	9.51	--	0.00482	--	0.001 U	0.002 U	--	29.7	0.005 U	--
MW-1	2/5/2016	WE1-160205-	0.001 U	1.65	--	0.00268	--	0.001 U	0.002 U	--	10.1	0.005 U	--
MW-1	5/26/2016	WE1-160526-	0.001 U	1 U	--	0.00245	--	0.001 U	0.002 U	--	12.2	0.005 U	--
MW-1	8/19/2016	WE1-160819-	0.001 U	1.21	--	0.00408	--	0.001 DU	0.002 U	--	17.4	0.005 U	--
MW-1	12/5/2016	WE1-161205-	0.001 U	7.49	--	0.00542	--	0.001 U	0.002 U	--	26.8	0.005 U	--
MW-1	2/17/2017	WE1-170217-	0.001 U	7.44	--	0.00463	--	0.001 U	0.002 U	--	24	0.005 U	--
MW-1	5/26/2017	WE1-170526-	0.0003 U	1.33	--	0.00279 D	--	0.0001 DU	5E-05 U	--	11.9	0.0002 U	--
MW-1	8/23/2017	WE1-170823-	0.0003 U	1.15	--	0.00556	--	0.0001 U	5E-05 U	--	21.8	0.0002 U	--
MW-1	11/27/2017	WE1-171127-	0.0003 U	4.98	--	0.00481	--	0.0001 U	5E-05 U	--	25.7	0.0002 U	--
MW-1	2/28/2018	WE1-180228-	0.0003 U	1.21	--	0.00227	--	0.0001 U	5E-05 U	--	11.1	0.0002 U	--
MW-1	5/17/2018	WE1-180517-	0.0003 U	0.885 D	--	0.00268	--	0.0001 U	5E-05 DU	--	11.7 D	0.0002 DU	--
MW-1	11/21/2018	WE1-181121-	--	5.03	--	--	--	--	--	--	27.2	--	--
MW-1	5/24/2019	WE1-190524-	--	7.98	--	--	--	--	--	--	28	--	--
MW-1	10/31/2019	WE1-191031-	--	13.2	--	--	--	--	--	--	31.9	--	--
MW-1	1/20/2020	DUP-012020	--	--	--	--	--	--	--	--	32.4	--	--
MW-1	2/13/2020	DUP-021320	--	--	--	--	--	--	--	--	24	--	--
MW-1	3/12/2020	DUP-031220	--	--	--	--	--	--	--	--	17 D	--	--
MW-1	4/16/2020	DUP-041620	--	--	--	--	--	--	--	--	14.7	--	--
MW-1	5/14/2020	DUP-051420	--	--	--	--	--	--	--	--	14	--	--
MW-1	6/3/2020	WE1-200603-	--	1.44	--	--	--	--	--	--	16.9	--	--
MW-1	6/15/2020	DUP-061520	--	--	--	--	--	--	--	--	20.6	--	--
MW-1	11/19/2020	WE1-201119-	--	6.44	--	--	--	--	--	--	27.8	--	--
MW-1	5/11/2021	WE1-210511-	--	1.68	1.77 D	--	--	--	--	--	20.7	--	--
MW-1	11/8/2021	WE1-211108-	--	8.97	9.4 S	--	--	--	--	--	29.4	--	--
MW-1	5/25/2022	WE1-220525-	--	--	1.68	--	--	--	--	--	12.1	--	--
MW-1	12/6/2022	WE1-221206-	--	1.79	--	--	--	--	--	--	19	--	--
MW-1	5/9/2023	WE1-230509-	--	--	4.37	--	0.00495	--	--	5E-05 U	23	--	0.0002 U
MW-2	2/22/2013	WE2-130222-	0.001 U	1.6	--	0.00154	--	0.001 DU	0.002 U	--	6.01	0.005 U	--
MW-2	5/29/2013	WE2-130529-	0.001 U	1.5	--	0.00138	--	0.001 U	0.002 U	--	5.02	0.005 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Cobalt, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Copper, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)	Lead, Dissolved (mg/L)	Lead, Total (mg/L)	Magnesium, Dissolved (mg/L)	Manganese, Dissolved (ug/L)	Manganese, Total (ug/L)	Mercury, Dissolved (mg/L)	Mercury, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)
MW-1	11/8/2013	WE1-131108-	0.003 U	0.002 U	--	0.174	--	0.001 U	--	3.46	1120 D	--	0.0001 U	--
MW-1	2/11/2014	WE1-140211-	0.003 U	0.002 U	--	0.0994	--	0.001 U	--	3.91	1130 D	--	0.0001 U	--
MW-1	5/13/2014	WE1-140513-	0.003 U	0.002 U	--	0.274	--	0.001 U	--	2.58	1110	--	0.0001 U	--
MW-1	8/12/2014	WE1-140812-	0.003 U	0.002 U	--	0.264	--	0.001 U	--	3.49	873 D	--	0.0001 U	--
MW-1	12/1/2014	WE1-141201-	0.003 U	0.002 U	--	0.113	--	0.001 U	--	3.12	986	--	0.0001 U	--
MW-1	2/9/2015	WE1-150209-	0.003 U	0.002 U	--	0.0974	--	0.001 U	--	2.6	814 D	--	0.0001 U	--
MW-1	5/11/2015	WE1-150511-	0.003 U	0.002 U	--	0.2	--	0.001 U	--	3.34	1060 D	--	0.0001 U	--
MW-1	8/3/2015	WE1-150803-	0.003 U	0.002 U	--	0.155	--	0.001 U	--	4.42	1360	--	0.0001 U	--
MW-1	12/2/2015	WE1-151202-	0.003 U	0.002 U	--	0.125	--	0.001 U	--	7.34	1120	--	0.0001 U	--
MW-1	2/5/2016	WE1-160205-	0.003 U	0.002 U	--	0.211	--	0.001 U	--	2.77	946	--	0.0001 U	--
MW-1	5/26/2016	WE1-160526-	0.003 U	0.002 U	--	0.0601	--	0.001 U	--	3.68	594	--	0.0001 U	--
MW-1	8/19/2016	WE1-160819-	0.003 U	0.002 U	--	0.198	--	0.001 U	--	4.76	878	--	0.0001 U	--
MW-1	12/5/2016	WE1-161205-	0.003 U	0.002 U	--	0.146	--	0.001 U	--	6.65	1220	--	0.0001 U	--
MW-1	2/17/2017	WE1-170217-	0.003 DU	0.002 U	--	0.108	--	0.001 DU	--	6.1	1060 D	--	0.0001 U	--
MW-1	5/26/2017	WE1-170526-	0.000424 D	0.0002 U	--	0.101	--	0.0001 DU	--	3.52	656	--	5E-05 U	--
MW-1	8/23/2017	WE1-170823-	0.000677	0.0002 U	--	0.0961	--	0.0001 U	--	6.87	545 D	--	5E-05 U	--
MW-1	11/27/2017	WE1-171127-	0.00023	0.0002 U	--	0.176	--	0.0001 U	--	6.29	1180	--	5E-05 U	--
MW-1	2/28/2018	WE1-180228-	0.000311	0.0002 U	--	0.024	--	0.0001 U	--	3.26	407	--	5E-05 U	--
MW-1	5/17/2018	WE1-180517-	0.000299 D	0.0002 DU	--	0.0181 D	--	0.0001 U	--	4.04 D	276 D	--	5E-05 U	--
MW-1	11/21/2018	WE1-181121-	--	--	--	0.0972	--	--	--	6.16	1100	--	--	--
MW-1	5/24/2019	WE1-190524-	--	--	--	0.0888	--	--	--	6.73	907	--	--	--
MW-1	10/31/2019	WE1-191031-	--	--	--	0.133	--	--	--	8.32	743	--	--	--
MW-1	1/20/2020	DUP-012020	--	--	--	--	--	--	--	8.56	--	--	--	--
MW-1	2/13/2020	DUP-021320	--	--	--	--	--	--	--	6.71	--	--	--	--
MW-1	3/12/2020	DUP-031220	--	--	--	--	--	--	--	4.08	--	--	--	--
MW-1	4/16/2020	DUP-041620	--	--	--	--	--	--	--	4.06	--	--	--	--
MW-1	5/14/2020	DUP-051420	--	--	--	--	--	--	--	3.93	--	--	--	--
MW-1	6/3/2020	WE1-200603-	--	--	--	0.0178	--	--	--	5.28	129	--	--	--
MW-1	6/15/2020	DUP-061520	--	--	--	--	--	--	--	6.26	--	--	--	--
MW-1	11/19/2020	WE1-201119-	--	--	--	0.0977	--	--	--	7.48	795	--	--	--
MW-1	5/11/2021	WE1-210511-	--	--	--	0.01 U	0.021	--	--	5.81	86	93	--	--
MW-1	11/8/2021	WE1-211108-	--	--	--	0.167	0.21 S	--	--	7.82	676	702 S	--	--
MW-1	5/25/2022	WE1-220525-	--	--	--	--	0.0169	--	--	3.73	--	25.8	--	--
MW-1	12/6/2022	WE1-221206-	--	--	--	0.0357	--	--	--	5.02	246	--	--	--
MW-1	5/9/2023	WE1-230509-	--	--	0.000203 D	0.216 D	0.151	--	0.0001 U	5.69	627	602	--	5E-05 U
MW-2	2/22/2013	WE2-130222-	0.003 U	0.002 U	--	0.673	--	0.001 U	--	1.81 D	508 D	--	0.0001 U	--
MW-2	5/29/2013	WE2-130529-	0.003 U	0.002 U	--	0.608	--	0.001 U	--	1.67	411	--	0.0001 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Nickel, Dissolved (mg/L)	Potassium, Dissolved (mg/L)	Selenium, Dissolved (mg/L)	Selenium, Total (mg/L)	Silver, Dissolved (mg/L)	Silver, Total (mg/L)	Sodium, Dissolved (mg/L)	Thallium, Dissolved (mg/L)	Vanadium, Dissolved (mg/L)	Zinc, Dissolved (mg/L)	Zinc, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-1	11/8/2013	WE1-131108-	0.01 U	1.26	0.001 U	--	0.003 U	--	5.43	0.001 U	0.002 U	0.004 U	--
MW-1	2/11/2014	WE1-140211-	0.01 U	1.31	0.001 U	--	0.003 U	--	6.14	0.001 U	0.002 U	0.004 U	--
MW-1	5/13/2014	WE1-140513-	0.01 U	0.895	0.001 U	--	0.003 U	--	5.78	0.001 U	0.002 U	0.004 U	--
MW-1	8/12/2014	WE1-140812-	0.01 U	1.19	0.001 U	--	0.003 U	--	5.22	0.001 DU	0.002 DU	0.004 U	--
MW-1	12/1/2014	WE1-141201-	0.01 U	1.14	0.001 U	--	0.003 U	--	5.05	0.001 U	0.002 U	0.004 U	--
MW-1	2/9/2015	WE1-150209-	0.01 U	0.913	0.001 U	--	0.003 U	--	4.78	0.001 U	0.002 U	0.004 U	--
MW-1	5/11/2015	WE1-150511-	0.01 U	1.24	0.001 U	--	0.003 U	--	5.21	0.001 U	0.002 U	0.004 U	--
MW-1	8/3/2015	WE1-150803-	0.01 U	1.51	0.001 U	--	0.003 U	--	6.05	0.001 U	0.002 U	0.004 U	--
MW-1	12/2/2015	WE1-151202-	0.01 U	1.82	0.001 U	--	0.003 U	--	9.8	0.001 U	0.002 U	0.004 U	--
MW-1	2/5/2016	WE1-160205-	0.01 U	1.03	0.001 U	--	0.003 U	--	4.76	0.001 U	0.002 U	0.004 U	--
MW-1	5/26/2016	WE1-160526-	0.01 U	1.02	0.001 U	--	0.003 U	--	6.32	0.001 U	0.002 U	0.004 U	--
MW-1	8/19/2016	WE1-160819-	0.01 U	1.55	0.001 U	--	0.003 U	--	6.36	0.001 U	0.002 U	0.004 U	--
MW-1	12/5/2016	WE1-161205-	0.01 U	1.74	0.001 U	--	0.003 U	--	9.39	0.001 U	0.002 U	0.004 U	--
MW-1	2/17/2017	WE1-170217-	0.01 U	1.46	0.001 U	--	0.003 DU	--	9.05	0.001 DU	0.002 U	0.004 U	--
MW-1	5/26/2017	WE1-170526-	0.000506	1.07	0.0005 U	--	4E-05 U	--	5.72	0.0001 U	7.5E-05 U	0.000973	--
MW-1	8/23/2017	WE1-170823-	0.000868	1.85	0.0005 U	--	4E-05 U	--	8.45	0.0001 U	7.5E-05 U	0.000826	--
MW-1	11/27/2017	WE1-171127-	0.000262	1.67	0.0005 U	--	4E-05 U	--	8.16	0.0001 U	7.5E-05 U	0.0005 U	--
MW-1	2/28/2018	WE1-180228-	0.000392	1.1	0.0005 U	--	4E-05 U	--	5.07	0.0001 U	7.5E-05 U	0.0005 U	--
MW-1	5/17/2018	WE1-180517-	0.000484 D	1.14 D	0.0005 DU	--	4E-05 DU	--	5.94 D	0.0001 U	7.5E-05 DU	0.0005 DU	--
MW-1	11/21/2018	WE1-181121-	--	1.63	--	--	--	--	8.03	--	--	0.0005 U	--
MW-1	5/24/2019	WE1-190524-	--	1.75	--	--	--	--	9.55	--	--	--	--
MW-1	10/31/2019	WE1-191031-	--	2	--	--	--	--	12	--	--	--	--
MW-1	1/20/2020	DUP-012020	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/13/2020	DUP-021320	--	--	--	--	--	--	--	--	--	--	--
MW-1	3/12/2020	DUP-031220	--	--	--	--	--	--	--	--	--	--	--
MW-1	4/16/2020	DUP-041620	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/14/2020	DUP-051420	--	--	--	--	--	--	--	--	--	--	--
MW-1	6/3/2020	WE1-200603-	--	1.28	--	--	--	--	6.9	--	--	--	--
MW-1	6/15/2020	DUP-061520	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/19/2020	WE1-201119-	--	1.74	--	--	--	--	11	--	--	--	--
MW-1	5/11/2021	WE1-210511-	--	1.53	--	--	--	--	7.02	--	--	--	--
MW-1	11/8/2021	WE1-211108-	--	2.01	--	--	--	--	11.5	--	--	--	--
MW-1	5/25/2022	WE1-220525-	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/6/2022	WE1-221206-	--	1.37	--	--	--	--	6.7	--	--	--	--
MW-1	5/9/2023	WE1-230509-	--	1.55	--	0.0005 U	--	4E-05 U	8.32	--	--	--	0.0005 DU
MW-2	2/22/2013	WE2-130222-	0.01 U	0.88	0.001 U	--	0.003 U	--	4.72 D	0.001 U	0.002 U	0.004 U	--
MW-2	5/29/2013	WE2-130529-	0.01 U	0.791	0.001 U	--	0.003 DU	--	3.96	0.001 U	0.002 U	0.004 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Antimony, Dissolved (mg/L)	Arsenic, Dissolved (ug/L)	Arsenic, Total (ug/L)	Barium, Dissolved (mg/L)	Barium, Total (mg/L)	Beryllium, Dissolved (mg/L)	Cadmium, Dissolved (mg/L)	Cadmium, Total (mg/L)	Calcium, Dissolved (mg/L)	Chromium, Dissolved (mg/L)	Chromium, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-2	8/15/2013	WE2-130815-	0.001 U	1.06	--	0.00125	--	0.001 DU	0.002 U	--	4.7	0.005 U	--
MW-2	8/15/2013	WE2-130815D	0.001 U	1.08	--	0.00124	--	0.001 DU	0.002 U	--	4.65	0.005 U	--
MW-2	11/14/2013	WE2-131114-	0.001 U	1.27	--	0.00117	--	0.001 U	0.002 U	--	4.88	0.005 U	--
MW-2	2/18/2014	WE2-140218-	0.001 U	1.05	--	0.00123	--	0.001 U	0.002 U	--	4.81	0.005 U	--
MW-2	5/14/2014	WE2-140514-	0.001 U	1 U	--	0.00312	--	0.001 U	0.002 U	--	11.5	0.005 U	--
MW-2	9/23/2014	WE2-140923-	0.001 U	1 U	--	0.00122	--	0.001 U	0.002 U	--	4.41	0.005 U	--
MW-2	12/3/2014	WE2-141203-	0.001 U	1 U	--	0.0014	--	0.001 U	0.002 U	--	5.01	0.005 U	--
MW-2	2/19/2015	WE2-150219-	0.001 U	1 U	--	0.00181	--	0.001 U	0.002 U	--	6.5	0.005 U	--
MW-2	2/19/2015	WE2-150219D	0.001 U	1 U	--	0.00189	--	0.001 U	0.002 U	--	6.55	0.005 U	--
MW-2	5/12/2015	WE2-150512-	0.001 U	1 U	--	0.00148	--	0.001 DU	0.002 U	--	5.93	0.005 U	--
MW-2	8/6/2015	WE2-150806-	0.001 U	1 U	--	0.00132	--	0.001 U	0.002 U	--	5.87	0.005 U	--
MW-2	11/25/2015	WE2-151125-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	5.13	0.005 U	--
MW-2	2/5/2016	WE2-160205-	0.001 U	1 U	--	0.00182	--	0.001 U	0.002 U	--	9.14	0.005 U	--
MW-2	5/26/2016	WE2-160526-	0.001 U	1 U	--	0.00197	--	0.001 U	0.002 U	--	9.21	0.005 U	--
MW-2	8/19/2016	WE2-160819-	0.001 U	1 U	--	0.00111	--	0.001 DU	0.002 U	--	4.54	0.005 U	--
MW-2	12/8/2016	WE2-161208-	0.001 U	1 U	--	0.00131	--	0.001 U	0.002 U	--	5.38	0.005 U	--
MW-2	2/17/2017	WE2-170217-	0.001 U	1 U	--	0.00143	--	0.001 U	0.002 U	--	6.07	0.005 U	--
MW-2	5/26/2017	WE2-170526-	0.0003 U	0.122	--	0.00239 D	--	0.0001 DU	5E-05 U	--	10.7	0.0002 U	--
MW-2	8/23/2017	WE2-170823-	0.0003 U	0.117	--	0.00188	--	0.0001 U	5E-05 U	--	8.56	0.0002 U	--
MW-2	11/27/2017	WE2-171127-	0.0003 U	0.129	--	0.00124	--	0.0001 U	5E-05 U	--	5.35	0.0002 U	--
MW-2	3/2/2018	WE2-180302-	0.0003 U	0.121	--	0.00193	--	0.0001 U	5E-05 U	--	8.75	0.0002 U	--
MW-2	5/17/2018	WE2-180517-	0.0003 U	0.139 D	--	0.00303	--	0.0001 U	5E-05 DU	--	12.9 D	0.0002 DU	--
MW-2	11/21/2018	WE2-181121-	--	0.114	--	--	--	--	--	--	5.7	--	--
MW-2	5/24/2019	WE2-190524-	--	0.186	--	--	--	--	--	--	6.64	--	--
MW-2	10/31/2019	WE2-191031-	--	0.119	--	--	--	--	--	--	5.64	--	--
MW-2	6/3/2020	WE2-200603-	--	0.111	--	--	--	--	--	--	14.6	--	--
MW-2	11/19/2020	WE2-201119-	--	0.124	--	--	--	--	--	--	5.67	--	--
MW-2	5/11/2021	WE2-210511-	--	0.133	0.159 D	--	--	--	--	--	8.31	--	--
MW-2	11/8/2021	WE2-211108-	--	0.161	0.179 S	--	--	--	--	--	6.4	--	--
MW-2	5/25/2022	WE2-220525-	--	--	0.199	--	--	--	--	--	17.2	--	--
MW-2	12/6/2022	WE2-221206-	--	0.131	--	--	--	--	--	--	7.48	--	--
MW-2	5/9/2023	WE2-230509-	--	--	0.183	--	0.00261	--	--	5E-05 U	12.8	--	0.0002 U
MW-6A	2/22/2013	WE6A130222-	0.001 U	1 U	--	0.001 U	--	0.001 DU	0.002 U	--	8.75	0.005 U	--
MW-6A	6/11/2013	WE6A130611-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.99	0.005 U	--
MW-6A	8/6/2013	WE6A130806-	0.001 U	1 U	--	0.001 U	--	0.001 DU	0.002 U	--	9.22	0.005 U	--
MW-6A	11/4/2013	WE6A131104-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	9.56	0.005 U	--
MW-6A	2/10/2014	WE6A140210-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.56	0.005 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Cobalt, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Copper, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)	Lead, Dissolved (mg/L)	Lead, Total (mg/L)	Magnesium, Dissolved (mg/L)	Manganese, Dissolved (ug/L)	Manganese, Total (ug/L)	Mercury, Dissolved (mg/L)	Mercury, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)
MW-2	8/15/2013	WE2-130815-	0.003 DU	0.002 U	--	0.417	--	0.001 U	--	1.66	349	--	0.0001 U	--
MW-2	8/15/2013	WE2-130815D	0.003 DU	0.002 U	--	0.421	--	0.001 U	--	1.63	347	--	0.0001 U	--
MW-2	11/14/2013	WE2-131114-	0.003 U	0.002 U	--	0.451	--	0.001 U	--	1.57	361	--	0.0001 U	--
MW-2	2/18/2014	WE2-140218-	0.003 U	0.002 U	--	0.483	--	0.001 U	--	1.59	365	--	0.0001 U	--
MW-2	5/14/2014	WE2-140514-	0.003 U	0.002 U	--	0.887	--	0.001 U	--	3.95	685	--	0.0001 U	--
MW-2	9/23/2014	WE2-140923-	0.003 U	0.002 U	--	0.247	--	0.001 U	--	1.54	222	--	0.0001 U	--
MW-2	12/3/2014	WE2-141203-	0.003 U	0.002 U	--	0.312	--	0.001 U	--	1.5	272	--	0.0001 U	--
MW-2	2/19/2015	WE2-150219-	0.003 U	0.002 U	--	0.342	--	0.001 U	--	2.3	283	--	0.0001 U	--
MW-2	2/19/2015	WE2-150219D	0.003 U	0.002 U	--	0.358	--	0.001 U	--	2.31	289	--	0.0001 U	--
MW-2	5/12/2015	WE2-150512-	0.003 U	0.002 U	--	0.443	--	0.001 DU	--	1.79	335	--	0.0001 U	--
MW-2	8/6/2015	WE2-150806-	0.003 U	0.002 U	--	0.017 T	--	0.001 U	--	1.93	155	--	0.0001 U	--
MW-2	11/25/2015	WE2-151125-	0.003 U	0.002 U	--	0.0766	--	0.001 U	--	1.6	156	--	0.0001 U	--
MW-2	2/5/2016	WE2-160205-	0.003 U	0.002 U	--	0.042 T	--	0.001 U	--	3.16	206	--	0.0001 U	--
MW-2	5/26/2016	WE2-160526-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.82	92.2	--	0.0001 U	--
MW-2	8/19/2016	WE2-160819-	0.003 U	0.002 U	--	0.019 T	--	0.001 U	--	1.62	59.3	--	0.0001 U	--
MW-2	12/8/2016	WE2-161208-	0.003 U	0.002 U	--	0.041 T	--	0.001 U	--	1.8	105	--	0.0001 U	--
MW-2	2/17/2017	WE2-170217-	0.003 DU	0.002 U	--	0.0667	--	0.001 DU	--	2.23	113 D	--	0.0001 U	--
MW-2	5/26/2017	WE2-170526-	0.000325 D	0.0002 U	--	0.0345	--	0.0001 DU	--	3.31	118	--	5E-05 U	--
MW-2	8/23/2017	WE2-170823-	0.000143	0.0002 U	--	0.01 U	--	0.0001 U	--	2.6	34.1	--	5E-05 U	--
MW-2	11/27/2017	WE2-171127-	0.000127	0.0002 U	--	0.0232	--	0.0001 U	--	1.71	45.1	--	5E-05 U	--
MW-2	3/2/2018	WE2-180302-	0.000102	0.0002 U	--	0.01 U	--	0.0001 U	--	2.89	20.6	--	5E-05 U	--
MW-2	5/17/2018	WE2-180517-	0.000202 D	0.0002 DU	--	0.0179 D	--	0.0001 U	--	4.35 D	45 D	--	5E-05 U	--
MW-2	11/21/2018	WE2-181121-	--	--	--	0.01 U	--	--	--	1.71	8.11	--	--	--
MW-2	5/24/2019	WE2-190524-	--	--	--	0.0559	--	--	--	2.26	64	--	--	--
MW-2	10/31/2019	WE2-191031-	--	--	--	0.02	--	--	--	1.95	29.5	--	--	--
MW-2	6/3/2020	WE2-200603-	--	--	--	0.01 U	--	--	--	5.25	11.6	--	--	--
MW-2	11/19/2020	WE2-201119-	--	--	--	0.0113	--	--	--	2.08	11.6	--	--	--
MW-2	5/11/2021	WE2-210511-	--	--	--	0.0185	0.0356	--	--	3.17	22	24.8	--	--
MW-2	11/8/2021	WE2-211108-	--	--	--	0.0115	0.0214 S	--	--	2.43	8.52	12.3 S	--	--
MW-2	5/25/2022	WE2-220525-	--	--	--	--	0.0509	--	--	6.55	--	28.2	--	--
MW-2	12/6/2022	WE2-221206-	--	--	--	0.01 U	--	--	--	2.57	2.39	--	--	--
MW-2	5/9/2023	WE2-230509-	--	--	0.0002 DU	0.01 DU	0.0264	--	0.0001 U	4.58	5.8	8.12	--	5E-05 U
MW-6A	2/22/2013	WE6A130222-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.37 D	1 DU	--	0.0001 U	--
MW-6A	6/11/2013	WE6A130611-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.42	1 U	--	0.0001 U	--
MW-6A	8/6/2013	WE6A130806-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.68	1 DU	--	0.0001 U	--
MW-6A	11/4/2013	WE6A131104-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.58	1 U	--	0.0001 U	--
MW-6A	2/10/2014	WE6A140210-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.39	1 U	--	0.0001 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Nickel, Dissolved (mg/L)	Potassium, Dissolved (mg/L)	Selenium, Dissolved (mg/L)	Selenium, Total (mg/L)	Silver, Dissolved (mg/L)	Silver, Total (mg/L)	Sodium, Dissolved (mg/L)	Thallium, Dissolved (mg/L)	Vanadium, Dissolved (mg/L)	Zinc, Dissolved (mg/L)	Zinc, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-2	8/15/2013	WE2-130815-	0.01 DU	0.779	0.001 U	--	0.003 U	--	3.77	0.001 U	0.002 U	0.004 U	--
MW-2	8/15/2013	WE2-130815D	0.01 DU	0.795	0.001 U	--	0.003 U	--	3.74	0.001 U	0.002 U	0.004 U	--
MW-2	11/14/2013	WE2-131114-	0.01 U	0.774	0.001 U	--	0.003 U	--	3.57	0.001 U	0.002 U	0.004 U	--
MW-2	2/18/2014	WE2-140218-	0.01 U	0.674	0.001 U	--	0.003 U	--	3.35	0.001 U	0.002 U	0.004 U	--
MW-2	5/14/2014	WE2-140514-	0.01 U	1.17	0.001 U	--	0.003 U	--	5.47	0.001 U	0.002 U	0.004 U	--
MW-2	9/23/2014	WE2-140923-	0.01 U	0.763	0.001 U	--	0.003 U	--	4.78	0.001 U	0.002 U	0.004 DU	--
MW-2	12/3/2014	WE2-141203-	0.01 U	0.899	0.001 U	--	0.003 U	--	4.59	0.001 U	0.002 U	0.004 U	--
MW-2	2/19/2015	WE2-150219-	0.01 U	1.07	0.001 U	--	0.003 U	--	5.3	0.001 U	0.002 U	0.004 U	--
MW-2	2/19/2015	WE2-150219D	0.01 U	1.07	0.001 U	--	0.003 U	--	5.34	0.001 U	0.002 U	0.004 U	--
MW-2	5/12/2015	WE2-150512-	0.01 U	0.827 D	0.001 U	--	0.003 DU	--	3.37 D	0.001 U	0.002 U	0.004 U	--
MW-2	8/6/2015	WE2-150806-	0.01 U	0.896	0.001 U	--	0.003 U	--	3.74	0.001 U	0.002 U	0.004 U	--
MW-2	11/25/2015	WE2-151125-	0.01 U	0.707	0.001 U	--	0.003 U	--	3.29	0.001 U	0.002 U	0.004 U	--
MW-2	2/5/2016	WE2-160205-	0.01 U	1.12	0.001 U	--	0.003 U	--	4.71	0.001 U	0.002 U	0.004 U	--
MW-2	5/26/2016	WE2-160526-	0.01 U	1.06	0.001 U	--	0.003 U	--	5.15	0.001 U	0.002 U	0.004 U	--
MW-2	8/19/2016	WE2-160819-	0.01 U	0.862	0.001 U	--	0.003 U	--	4.66	0.001 U	0.002 U	0.004 U	--
MW-2	12/8/2016	WE2-161208-	0.01 U	0.935	0.001 U	--	0.003 U	--	4.8	0.001 U	0.002 U	0.004 U	--
MW-2	2/17/2017	WE2-170217-	0.01 U	0.813	0.001 U	--	0.003 DU	--	4.52	0.001 DU	0.002 U	0.004 U	--
MW-2	5/26/2017	WE2-170526-	0.0019	1.16	0.0005 U	--	4E-05 U	--	5.68	0.0001 U	7.5E-05 U	0.0005 U	--
MW-2	8/23/2017	WE2-170823-	0.00134	1.07	0.0005 U	--	4E-05 U	--	4.74	0.0001 U	7.5E-05 U	0.0005 U	--
MW-2	11/27/2017	WE2-171127-	0.00085	0.929	0.0005 U	--	4E-05 U	--	4.98	0.0001 U	7.61E-05	0.0005 U	--
MW-2	3/2/2018	WE2-180302-	0.00113	1.17	0.0005 U	--	4E-05 U	--	5.92	0.0001 U	7.5E-05 U	0.0005 U	--
MW-2	5/17/2018	WE2-180517-	0.00206 D	1.36 D	0.0005 DU	--	4E-05 DU	--	6.23 D	0.0001 U	0.000125 D	0.0005 DU	--
MW-2	11/21/2018	WE2-181121-	--	0.856	--	--	--	--	3.83	--	--	0.0005 U	--
MW-2	5/24/2019	WE2-190524-	--	0.93	--	--	--	--	4.09	--	--	--	--
MW-2	10/31/2019	WE2-191031-	--	0.853	--	--	--	--	3.91	--	--	--	--
MW-2	6/3/2020	WE2-200603-	--	1.37	--	--	--	--	6.32	--	--	--	--
MW-2	11/19/2020	WE2-201119-	--	0.871	--	--	--	--	4.28	--	--	--	--
MW-2	5/11/2021	WE2-210511-	--	1.13	--	--	--	--	5.07	--	--	--	--
MW-2	11/8/2021	WE2-211108-	--	0.988	--	--	--	--	4.12	--	--	--	--
MW-2	5/25/2022	WE2-220525-	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/6/2022	WE2-221206-	--	1.05	--	--	--	--	4.4	--	--	--	--
MW-2	5/9/2023	WE2-230509-	--	1.34	--	0.0005 U	--	4E-05 U	5.21	--	--	--	0.0005 DU
MW-6A	2/22/2013	WE6A130222-	0.01 U	0.696	0.001 U	--	0.003 U	--	3.81 D	0.001 U	0.002 U	0.004 U	--
MW-6A	6/11/2013	WE6A130611-	0.01 U	0.64	0.001 U	--	0.003 U	--	3.85	0.001 U	0.002 U	0.004 U	--
MW-6A	8/6/2013	WE6A130806-	0.01 U	0.77	0.001 U	--	0.003 U	--	4.13	0.001 U	0.002 U	0.004 U	--
MW-6A	11/4/2013	WE6A131104-	0.01 U	0.642	0.001 U	--	0.003 U	--	4.05	0.001 U	0.002 U	0.004 U	--
MW-6A	2/10/2014	WE6A140210-	0.01 U	0.631	0.001 U	--	0.003 U	--	3.79	0.001 U	0.002 U	0.004 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Antimony, Dissolved (mg/L)	Arsenic, Dissolved (ug/L)	Arsenic, Total (ug/L)	Barium, Dissolved (mg/L)	Barium, Total (mg/L)	Beryllium, Dissolved (mg/L)	Cadmium, Dissolved (mg/L)	Cadmium, Total (mg/L)	Calcium, Dissolved (mg/L)	Chromium, Dissolved (mg/L)	Chromium, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-6A	2/10/2014	WE6A140210D	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.61	0.005 U	--
MW-6A	5/19/2014	WE6A140519-	0.001 U	1 U	--	0.001 DU	--	0.001 U	0.002 DU	--	8.05	0.005 U	--
MW-6A	8/11/2014	WE6A140811-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.55	0.005 U	--
MW-6A	12/1/2014	WE6A141201-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.61	0.005 U	--
MW-6A	3/3/2015	WE6A150303-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.18	0.005 U	--
MW-6A	5/18/2015	WE6A150518-	0.001 U	1 U	--	0.001 U	--	0.001 DU	0.002 U	--	8.06	0.005 U	--
MW-6A	8/11/2015	WE6A150811-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.2	0.005 U	--
MW-6A	12/1/2015	WE6A151201-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	9.01	0.005 U	--
MW-6A	2/9/2016	WE6A160209-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	8.06	0.005 U	--
MW-6A	5/26/2016	WE6A160526-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	9.74	0.005 U	--
MW-6A	8/22/2016	WE6A160822-	0.001 U	1 U	--	0.001 U	--	0.001 DU	0.002 U	--	9.56	0.005 U	--
MW-6A	12/7/2016	WE6A161209-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	7.88	0.005 U	--
MW-6A	2/22/2017	WE6A170222-	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	7.85	0.005 U	--
MW-6A	5/30/2017	WE6A170530-	0.0003 U	0.18	--	0.000861	--	0.0001 U	5E-05 U	--	8.66	0.000204	--
MW-6A	8/21/2017	WE6A170821-	0.0003 U	0.161	--	0.0009	--	0.0001 U	5E-05 U	--	8.99	0.000207	--
MW-6A	11/21/2017	WE6A171121-	0.0003 U	0.166	--	0.000925	--	0.0001 U	5E-05 U	--	9.31	0.000249	--
MW-6A	2/12/2018	WE6A180212-	0.0003 U	0.174	--	0.000861	--	0.0001 U	5E-05 U	--	8.46	0.0002 U	--
MW-6A	5/17/2018	WE6A180517-	0.0003 U	0.185 D	--	0.00105	--	0.0001 U	5E-05 DU	--	8.43 D	0.000223 D	--
MW-6A	11/21/2018	WE6A181121-	--	0.169	--	--	--	--	--	--	9.33	--	--
MW-6A	5/24/2019	WE6A190524-	--	0.18	--	--	--	--	--	--	8.56	--	--
MW-6A	10/31/2019	WE6A191031-	--	0.162	--	--	--	--	--	--	9.45	--	--
MW-6A	6/3/2020	WE6A200603-	--	0.162	--	--	--	--	--	--	9.97	--	--
MW-6A	11/19/2020	WE6A201119-	--	0.163	--	--	--	--	--	--	9.48	--	--
MW-6A	5/11/2021	WE6A210511-	--	0.193	--	--	--	--	--	--	8.99	--	--
MW-6A	11/8/2021	WE6A211108-	--	0.192	--	--	--	--	--	--	10	--	--
MW-6A	5/25/2022	WE6A220525-	--	0.184	--	--	--	--	--	--	9.53	--	--
MW-6A	12/6/2022	WE6A221206-	--	0.173	--	--	--	--	--	--	9.32	--	--
MW-6A	5/10/2023	WE6A230510-	--	--	0.174	--	0.000821	--	--	5E-05 U	8.27	--	0.000231
MW-9	2/21/2013	WE9-130221-	0.001 U	1 U	--	0.00139	--	0.001 DU	0.002 U	--	8.83	0.005 U	--
MW-9	6/4/2013	WE9-130604-	0.001 U	1 U	--	0.00214	--	0.001 U	0.002 U	--	12.5	0.005 U	--
MW-9	8/13/2013	WE9-130813-	0.001 U	1 U	--	0.00145	--	0.001 DU	0.002 U	--	8.87	0.005 U	--
MW-9	11/14/2013	WE9-131114-	0.001 U	1 U	--	0.00146	--	0.001 U	0.002 U	--	8.42	0.005 U	--
MW-9	2/18/2014	WE9-140218-	0.001 U	1 U	--	0.00175	--	0.001 U	0.002 U	--	9.13	0.005 U	--
MW-9	5/7/2014	WE9-140507-	0.001 U	1 U	--	0.00125	--	0.001 U	0.002 U	--	6.88	0.005 U	--
MW-9	8/12/2014	WE9-140812-	0.001 U	1 U	--	0.00352	--	0.001 U	0.002 U	--	22.7	0.005 U	--
MW-9	12/1/2014	WE9-141201-	0.001 U	1 U	--	0.00156	--	0.001 U	0.002 U	--	8.08	0.005 U	--
MW-9	3/3/2015	WE9-150303-	0.001 U	1 U	--	0.00136	--	0.001 U	0.002 U	--	7.11	0.005 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Cobalt, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Copper, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)	Lead, Dissolved (mg/L)	Lead, Total (mg/L)	Magnesium, Dissolved (mg/L)	Manganese, Dissolved (ug/L)	Manganese, Total (ug/L)	Mercury, Dissolved (mg/L)	Mercury, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)
MW-6A	2/10/2014	WE6A140210D	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.4	1 U	--	0.0001 U	--
MW-6A	5/19/2014	WE6A140519-	0.003 DU	0.002 U	--	0.01 U	--	0.001 U	--	2.17	1 U	--	0.0001 U	--
MW-6A	8/11/2014	WE6A140811-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.73	1 DU	--	0.0001 U	--
MW-6A	12/1/2014	WE6A141201-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.23	1 DU	--	0.0001 U	--
MW-6A	3/3/2015	WE6A150303-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.16	1 U	--	0.0001 U	--
MW-6A	5/18/2015	WE6A150518-	0.003 U	0.002 U	--	0.01 U	--	0.001 DU	--	2.15	1 U	--	0.0001 U	--
MW-6A	8/11/2015	WE6A150811-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.26	1 U	--	0.0001 U	--
MW-6A	12/1/2015	WE6A151201-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.71	1 U	--	0.0001 U	--
MW-6A	2/9/2016	WE6A160209-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.42	1 U	--	0.0001 U	--
MW-6A	5/26/2016	WE6A160526-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.65	1 U	--	0.0001 U	--
MW-6A	8/22/2016	WE6A160822-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.91	1 U	--	0.0001 U	--
MW-6A	12/7/2016	WE6A161209-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.34	1 U	--	0.0001 U	--
MW-6A	2/22/2017	WE6A170222-	0.003 DU	0.002 U	--	0.01 U	--	0.001 DU	--	2.48	1 DU	--	0.0001 U	--
MW-6A	5/30/2017	WE6A170530-	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	2.47	0.1 U	--	5E-05 U	--
MW-6A	8/21/2017	WE6A170821-	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	2.57	0.1 U	--	5E-05 U	--
MW-6A	11/21/2017	WE6A171121-	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	2.66	0.1 U	--	5E-05 U	--
MW-6A	2/12/2018	WE6A180212-	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	2.38	0.1 U	--	5E-05 U	--
MW-6A	5/17/2018	WE6A180517-	5E-05 DU	0.0002 DU	--	0.01 DU	--	0.0001 U	--	2.54 D	0.144 DJ	--	5E-05 U	--
MW-6A	11/21/2018	WE6A181121-	--	--	--	0.01 U	--	--	--	2.4	0.1 U	--	--	--
MW-6A	5/24/2019	WE6A190524-	--	--	--	0.01 U	--	--	--	2.4	0.1 U	--	--	--
MW-6A	10/31/2019	WE6A191031-	--	--	--	0.01 U	--	--	--	2.67	0.1 U	--	--	--
MW-6A	6/3/2020	WE6A200603-	--	--	--	0.01 U	--	--	--	2.96	0.1 U	--	--	--
MW-6A	11/19/2020	WE6A201119-	--	--	--	0.01 U	--	--	--	2.88	0.1 U	--	--	--
MW-6A	5/11/2021	WE6A210511-	--	--	--	0.01 U	--	--	--	2.64	0.1 U	--	--	--
MW-6A	11/8/2021	WE6A211108-	--	--	--	0.01 U	--	--	--	2.93	0.1 U	--	--	--
MW-6A	5/25/2022	WE6A220525-	--	--	--	0.01 U	--	--	--	2.77	0.1 U	--	--	--
MW-6A	12/6/2022	WE6A221206-	--	--	--	0.01 U	--	--	--	2.51	0.1 U	--	--	--
MW-6A	5/10/2023	WE6A230510-	--	--	0.0002 DU	0.01 U	0.01 U	--	0.0001 U	2.5	0.1 U	0.1 U	--	5E-05 U
MW-9	2/21/2013	WE9-130221-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.18 D	5.67 D	--	0.0001 U	--
MW-9	6/4/2013	WE9-130604-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	3.55	1.3 D	--	0.0001 U	--
MW-9	8/13/2013	WE9-130813-	0.003 DU	0.002 U	--	0.01 U	--	0.001 U	--	2.62	1.28	--	0.0001 U	--
MW-9	11/14/2013	WE9-131114-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.32	1.23	--	0.0001 U	--
MW-9	2/18/2014	WE9-140218-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.56	6.11	--	0.0001 U	--
MW-9	5/7/2014	WE9-140507-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	1.95	1.09	--	0.0001 U	--
MW-9	8/12/2014	WE9-140812-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	8.15	1.42 D	--	0.0001 U	--
MW-9	12/1/2014	WE9-141201-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.24	1.39 D	--	0.0001 U	--
MW-9	3/3/2015	WE9-150303-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.02	1 U	--	0.0001 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Nickel, Dissolved (mg/L)	Potassium, Dissolved (mg/L)	Selenium, Dissolved (mg/L)	Selenium, Total (mg/L)	Silver, Dissolved (mg/L)	Silver, Total (mg/L)	Sodium, Dissolved (mg/L)	Thallium, Dissolved (mg/L)	Vanadium, Dissolved (mg/L)	Zinc, Dissolved (mg/L)	Zinc, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-6A	2/10/2014	WE6A140210D	0.01 U	0.628	0.001 U	--	0.003 U	--	3.8	0.001 U	0.002 U	0.004 U	--
MW-6A	5/19/2014	WE6A140519-	0.01 U	0.622	0.001 U	--	0.003 DU	--	3.53	0.001 U	0.002 U	0.004 U	--
MW-6A	8/11/2014	WE6A140811-	0.01 U	0.651	0.001 U	--	0.003 U	--	3.56	0.001 DU	0.002 DU	0.004 U	--
MW-6A	12/1/2014	WE6A141201-	0.01 U	0.679	0.001 U	--	0.003 U	--	3.5	0.001 U	0.002 U	0.004 U	--
MW-6A	3/3/2015	WE6A150303-	0.01 U	0.66	0.001 U	--	0.003 U	--	3.47	0.001 U	0.002 U	0.004 U	--
MW-6A	5/18/2015	WE6A150518-	0.01 U	0.503 D	0.001 U	--	0.003 DU	--	3.23 D	0.001 U	0.002 U	0.004 U	--
MW-6A	8/11/2015	WE6A150811-	0.01 U	0.651	0.001 U	--	0.003 U	--	3.47	0.001 U	0.002 U	0.004 U	--
MW-6A	12/1/2015	WE6A151201-	0.01 U	0.655	0.001 U	--	0.003 U	--	3.7	0.001 U	0.002 U	0.004 U	--
MW-6A	2/9/2016	WE6A160209-	0.01 U	0.703 D	0.001 U	--	0.003 DU	--	3.31	0.001 U	0.002 U	0.004 U	--
MW-6A	5/26/2016	WE6A160526-	0.01 U	0.664	0.001 U	--	0.003 U	--	4.03	0.001 U	0.002 U	0.004 U	--
MW-6A	8/22/2016	WE6A160822-	0.01 U	0.709	0.001 U	--	0.003 U	--	3.7	0.001 U	0.002 U	0.004 U	--
MW-6A	12/7/2016	WE6A161209-	0.01 U	0.691	0.001 U	--	0.003 U	--	3.66	0.001 U	0.002 U	0.004 U	--
MW-6A	2/22/2017	WE6A170222-	0.01 U	0.544	0.001 U	--	0.003 DU	--	3.71	0.001 DU	0.002 U	0.004 U	--
MW-6A	5/30/2017	WE6A170530-	0.000121	0.642	0.0005 U	--	4E-05 U	--	3.87	0.0001 U	0.000503	0.0005 U	--
MW-6A	8/21/2017	WE6A170821-	0.0001 U	0.667	0.0005 U	--	4E-05 U	--	3.98	0.0001 U	0.000494	0.0005 U	--
MW-6A	11/21/2017	WE6A171121-	0.000134	0.693	0.0005 U	--	4E-05 U	--	3.84	0.0001 U	0.000476	0.0005 U	--
MW-6A	2/12/2018	WE6A180212-	0.0001 U	0.642	0.0005 U	--	4E-05 U	--	3.84	0.0001 U	0.000493	0.0005 U	--
MW-6A	5/17/2018	WE6A180517-	0.0001 DU	0.682 D	0.0005 DU	--	4E-05 DU	--	4.01 D	0.0001 U	0.000586 D	0.0005 DU	--
MW-6A	11/21/2018	WE6A181121-	--	0.669	--	--	--	--	3.67	--	--	0.0005 U	--
MW-6A	5/24/2019	WE6A190524-	--	0.656	--	--	--	--	3.75	--	--	--	--
MW-6A	10/31/2019	WE6A191031-	--	0.655	--	--	--	--	3.9	--	--	--	--
MW-6A	6/3/2020	WE6A200603-	--	0.661	--	--	--	--	4.28	--	--	--	--
MW-6A	11/19/2020	WE6A201119-	--	0.614	--	--	--	--	4.15	--	--	--	--
MW-6A	5/11/2021	WE6A210511-	--	0.673	--	--	--	--	3.97	--	--	--	--
MW-6A	11/8/2021	WE6A211108-	--	0.71	--	--	--	--	3.96	--	--	--	--
MW-6A	5/25/2022	WE6A220525-	--	0.62	--	--	--	--	3.91	--	--	--	--
MW-6A	12/6/2022	WE6A221206-	--	0.654	--	--	--	--	3.76	--	--	--	--
MW-6A	5/10/2023	WE6A230510-	--	0.633	--	0.0005 U	--	4E-05 U	3.64	--	--	--	0.0005 DU
MW-9	2/21/2013	WE9-130221-	0.01 U	0.71	0.001 U	--	0.003 U	--	3.61 D	0.001 U	0.002 U	0.004 U	--
MW-9	6/4/2013	WE9-130604-	0.01 U	0.807	0.001 U	--	0.003 DU	--	3.91	0.001 U	0.002 U	0.004 U	--
MW-9	8/13/2013	WE9-130813-	0.01 DU	0.718	0.001 U	--	0.003 U	--	3.21	0.001 U	0.002 U	0.004 U	--
MW-9	11/14/2013	WE9-131114-	0.01 U	0.742	0.001 U	--	0.003 U	--	3.87	0.001 U	0.002 U	0.004 U	--
MW-9	2/18/2014	WE9-140218-	0.01 U	0.728	0.001 U	--	0.003 U	--	4.1	0.001 U	0.002 U	0.004 U	--
MW-9	5/7/2014	WE9-140507-	0.01 U	0.61	0.001 U	--	0.003 U	--	3.65	0.001 U	0.002 U	0.004 U	--
MW-9	8/12/2014	WE9-140812-	0.01 U	1.07	0.001 U	--	0.003 U	--	3.68	0.001 DU	0.002 DU	0.004 U	--
MW-9	12/1/2014	WE9-141201-	0.01 U	0.718	0.001 U	--	0.003 U	--	3.39	0.001 U	0.002 U	0.004 U	--
MW-9	3/3/2015	WE9-150303-	0.01 U	0.663	0.001 U	--	0.003 U	--	3.29	0.001 U	0.002 U	0.004 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Antimony, Dissolved (mg/L)	Arsenic, Dissolved (ug/L)	Arsenic, Total (ug/L)	Barium, Dissolved (mg/L)	Barium, Total (mg/L)	Beryllium, Dissolved (mg/L)	Cadmium, Dissolved (mg/L)	Cadmium, Total (mg/L)	Calcium, Dissolved (mg/L)	Chromium, Dissolved (mg/L)	Chromium, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-9	5/18/2015	WE9-150518-	0.001 U	1 U	--	0.00192	--	0.001 DU	0.002 U	--	11	0.005 U	--
MW-9	8/11/2015	WE9-150811-	0.001 U	1 U	--	0.00142	--	0.001 U	0.002 U	--	7.32	0.005 U	--
MW-9	11/25/2015	WE9-151125-	0.001 U	1 U	--	0.00142	--	0.001 U	0.002 U	--	8.16	0.005 U	--
MW-9	2/9/2016	WE9-160209-	0.001 U	1 U	--	0.00132	--	0.001 U	0.002 U	--	3.83	0.005 U	--
MW-9	5/27/2016	WE9-160527-	0.001 U	1 U	--	0.0022	--	0.001 U	0.002 U	--	15.7	0.005 U	--
MW-9	8/18/2016	WE9-160818-	0.001 U	1 U	--	0.00202	--	0.001 DU	0.002 U	--	11.7	0.005 U	--
MW-9	12/7/2016	WE9-161209-	0.001 U	1 U	--	0.00175	--	0.001 U	0.002 U	--	8.86	0.005 U	--
MW-9	2/17/2017	WE9-170217-	0.001 U	1 U	--	0.0014	--	0.001 U	0.002 U	--	6.32	0.005 U	--
MW-9	5/26/2017	WE9-170526-	0.0003 U	0.145	--	0.0037 D	--	0.0001 DU	5E-05 U	--	21.1	0.0002 U	--
MW-9	8/23/2017	WE9-170823-	0.0003 U	0.139	--	0.00301	--	0.0001 U	5E-05 U	--	18.8	0.0002 U	--
MW-9	8/23/2017	WE9-170823D	0.0003 U	0.14	--	0.00302	--	0.0001 U	5E-05 U	--	18.7	0.0002 U	--
MW-9	11/21/2017	WE9-171121-	0.0003 U	0.138	--	0.00204	--	0.0001 U	5E-05 U	--	10.8	0.0002 U	--
MW-9	2/28/2018	WE9-180228-	0.0003 U	0.175	--	0.000863	--	0.0001 U	5E-05 U	--	4.7	0.0002 U	--
MW-9	5/17/2018	WE9-180517-	0.0003 U	0.163 D	--	0.00296	--	0.0001 U	5E-05 DU	--	17.4 D	0.0002 DU	--
MW-9	11/21/2018	WE9-181121-	--	0.146	--	--	--	--	--	--	6.59	--	--
MW-9	5/24/2019	WE9-190524-	--	0.132	--	--	--	--	--	--	9.51	--	--
MW-9	10/31/2019	WE9-191031-	--	0.128	--	--	--	--	--	--	7.26	--	--
MW-9	6/3/2020	WE9-200603-	--	0.146	--	--	--	--	--	--	17.7	--	--
MW-9	11/19/2020	WE9-201119-	--	0.126	--	--	--	--	--	--	12.7	--	--
MW-9	5/11/2021	WE9-210511-	--	0.156	0.158 D	--	--	--	--	--	18.5	--	--
MW-9	11/8/2021	WE9-211108-	--	0.175	0.154 S	--	--	--	--	--	6.4	--	--
MW-9	5/25/2022	WE9-220525-	--	--	0.19	--	--	--	--	--	8.1	--	--
MW-9	12/6/2022	WE9-221206-	--	0.139	--	--	--	--	--	--	8.18	--	--
MW-9	5/9/2023	WE9-230509-	--	--	0.133	--	0.00154	--	--	5E-05 U	7.38	--	0.0002 U
MW-10	2/25/2013	WE10130225-	0.001 U	1 U	--	0.00344	--	0.001 DU	0.002 U	--	21.8	0.005 U	--
MW-10	6/4/2013	WE10130604-	0.001 U	1 U	--	0.00415	--	0.001 U	0.002 U	--	22.1	0.005 U	--
MW-10	8/15/2013	WE10130815-	0.001 U	1 U	--	0.00204	--	0.001 DU	0.002 U	--	13.3	0.005 U	--
MW-10	11/8/2013	WE10131108-	0.001 U	1 U	--	0.0018	--	0.001 U	0.002 U	--	12.8	0.005 U	--
MW-10	2/19/2014	WE10140219-	0.001 U	1 U	--	0.00225	--	0.001 U	0.002 U	--	15.3	0.005 U	--
MW-10	5/19/2014	WE10140519-	0.001 U	1 U	--	0.00743 D	--	0.001 U	0.002 DU	--	29.5	0.005 U	--
MW-10	8/12/2014	WE10140812-	0.001 U	1 U	--	0.00425	--	0.001 U	0.002 U	--	23.2	0.005 U	--
MW-10	12/3/2014	WE10141203-	0.001 U	1 U	--	0.00297	--	0.001 U	0.002 U	--	16.6	0.005 U	--
MW-10	3/3/2015	WE10150303-	0.001 U	1 U	--	0.00321	--	0.001 U	0.002 U	--	20.2	0.005 U	--
MW-10	5/11/2015	WE10150511-	0.001 U	1 U	--	0.00307 D	--	0.001 U	0.002 U	--	20	0.005 U	--
MW-10	8/4/2015	WE10150804-	0.001 U	1 U	--	0.0015	--	0.001 U	0.002 U	--	11.9	0.005 U	--
MW-10	12/1/2015	WE10151201-	0.001 U	1 U	--	0.00285	--	0.001 U	0.002 U	--	20.1	0.005 U	--
MW-10	2/8/2016	WE10160208-	0.001 U	1 U	--	0.00659	--	0.001 U	0.002 U	--	37.4	0.005 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Cobalt, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Copper, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)	Lead, Dissolved (mg/L)	Lead, Total (mg/L)	Magnesium, Dissolved (mg/L)	Manganese, Dissolved (ug/L)	Manganese, Total (ug/L)	Mercury, Dissolved (mg/L)	Mercury, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)
MW-9	5/18/2015	WE9-150518-	0.003 U	0.002 U	--	0.01 U	--	0.001 DU	--	3.17	1 U	--	0.0001 U	--
MW-9	8/11/2015	WE9-150811-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.15	1 U	--	0.0001 U	--
MW-9	11/25/2015	WE9-151125-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.15	1 U	--	0.0001 U	--
MW-9	2/9/2016	WE9-160209-	0.003 U	0.002 U	--	0.0766	--	0.001 U	--	1.17	1.28	--	0.0001 U	--
MW-9	5/27/2016	WE9-160527-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	4.32	1 U	--	0.0001 U	--
MW-9	8/18/2016	WE9-160818-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	3.26	1 U	--	0.0001 U	--
MW-9	12/7/2016	WE9-161209-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	2.67	1 U	--	0.0001 U	--
MW-9	2/17/2017	WE9-170217-	0.003 DU	0.002 U	--	0.01 U	--	0.001 DU	--	1.99	1 DU	--	0.0001 U	--
MW-9	5/26/2017	WE9-170526-	5E-05 DU	0.000697	--	0.01 U	--	0.0001 DU	--	6.09	1.02	--	5E-05 U	--
MW-9	8/23/2017	WE9-170823-	5E-05 U	0.000487	--	0.01 U	--	0.0001 U	--	5.28	0.717	--	5E-05 U	--
MW-9	8/23/2017	WE9-170823D	5E-05 U	0.000507	--	0.01 U	--	0.0001 U	--	5.24	0.692	--	5E-05 U	--
MW-9	11/21/2017	WE9-171121-	5E-05 U	0.000405	--	0.01 U	--	0.0001 U	--	3.2	0.81	--	5E-05 U	--
MW-9	2/28/2018	WE9-180228-	5E-05 U	0.00145	--	0.01 U	--	0.0001 U	--	1.42	0.226	--	5E-05 U	--
MW-9	5/17/2018	WE9-180517-	5E-05 DU	0.000947 D	--	0.01 DU	--	0.0001 U	--	5.41 D	0.595 D	--	5E-05 U	--
MW-9	11/21/2018	WE9-181121-	--	--	--	0.01 U	--	--	--	1.8	0.721	--	--	--
MW-9	5/24/2019	WE9-190524-	--	--	--	0.01 U	--	--	--	2.9	0.817	--	--	--
MW-9	10/31/2019	WE9-191031-	--	--	--	0.01 U	--	--	--	2.27	1.06	--	--	--
MW-9	6/3/2020	WE9-200603-	--	--	--	0.01 U	--	--	--	6	0.446	--	--	--
MW-9	11/19/2020	WE9-201119-	--	--	--	0.01 U	--	--	--	4.38	0.933	--	--	--
MW-9	5/11/2021	WE9-210511-	--	--	--	0.01 U	0.01 U	--	--	6.1	0.652	0.742	--	--
MW-9	11/8/2021	WE9-211108-	--	--	--	0.01 U	0.0111 S	--	--	2.17	0.553	0.772 S	--	--
MW-9	5/25/2022	WE9-220525-	--	--	--	--	0.01 U	--	--	2.94	--	0.477	--	--
MW-9	12/6/2022	WE9-221206-	--	--	--	0.01 U	--	--	--	2.65	0.736	--	--	--
MW-9	5/9/2023	WE9-230509-	--	--	0.00054 D	0.01 DU	0.01 U	--	0.0001 U	2.51	0.707	0.756	--	5E-05 U
MW-10	2/25/2013	WE10130225-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	4.87 D	1 DU	--	0.0001 U	--
MW-10	6/4/2013	WE10130604-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	4.78	1 U	--	0.0001 U	--
MW-10	8/15/2013	WE10130815-	0.003 DU	0.002 U	--	0.01 U	--	0.001 U	--	3.43	1 U	--	0.0001 U	--
MW-10	11/8/2013	WE10131108-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	3.33	1 DU	--	0.0001 U	--
MW-10	2/19/2014	WE10140219-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	4.13	1 U	--	0.0001 U	--
MW-10	5/19/2014	WE10140519-	0.003 DU	0.002 U	--	0.01 U	--	0.001 U	--	5.62	1 U	--	0.0001 U	--
MW-10	8/12/2014	WE10140812-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	5.53	1 U	--	0.0001 U	--
MW-10	12/3/2014	WE10141203-	0.003 U	0.00207	--	0.01 U	--	0.001 U	--	3.72	1 DU	--	0.0001 U	--
MW-10	3/3/2015	WE10150303-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	4.59	1 U	--	0.0001 U	--
MW-10	5/11/2015	WE10150511-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	4.33	1 DU	--	0.0001 U	--
MW-10	8/4/2015	WE10150804-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	3.13	1 U	--	0.0001 U	--
MW-10	12/1/2015	WE10151201-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	5.65	1 U	--	0.0001 U	--
MW-10	2/8/2016	WE10160208-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	6.46	1 U	--	0.0001 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Nickel, Dissolved (mg/L)	Potassium, Dissolved (mg/L)	Selenium, Dissolved (mg/L)	Selenium, Total (mg/L)	Silver, Dissolved (mg/L)	Silver, Total (mg/L)	Sodium, Dissolved (mg/L)	Thallium, Dissolved (mg/L)	Vanadium, Dissolved (mg/L)	Zinc, Dissolved (mg/L)	Zinc, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-9	5/18/2015	WE9-150518-	0.01 U	0.694 D	0.001 U	--	0.003 DU	--	3.66 D	0.001 U	0.002 U	0.004 U	--
MW-9	8/11/2015	WE9-150811-	0.01 U	0.692	0.001 U	--	0.003 U	--	2.95	0.001 U	0.002 U	0.004 U	--
MW-9	11/25/2015	WE9-151125-	0.01 U	0.635	0.001 U	--	0.003 U	--	3.58	0.001 U	0.002 U	0.004 U	--
MW-9	2/9/2016	WE9-160209-	0.01 U	0.584 D	0.001 U	--	0.003 DU	--	2.46	0.001 U	0.002 U	0.004 U	--
MW-9	5/27/2016	WE9-160527-	0.01 U	0.878	0.001 U	--	0.003 U	--	3.98	0.001 U	0.002 U	0.004 U	--
MW-9	8/18/2016	WE9-160818-	0.01 U	0.824	0.001 U	--	0.003 U	--	3.41	0.001 U	0.002 U	0.004 U	--
MW-9	12/7/2016	WE9-161209-	0.01 U	0.854	0.001 U	--	0.003 U	--	3.99	0.001 U	0.002 U	0.004 U	--
MW-9	2/17/2017	WE9-170217-	0.01 U	0.636	0.001 U	--	0.003 DU	--	3.95	0.001 DU	0.002 U	0.004 U	--
MW-9	5/26/2017	WE9-170526-	0.000785	1.08	0.0005 U	--	4E-05 U	--	5.91	0.0001 U	0.000235	0.000873	--
MW-9	8/23/2017	WE9-170823-	0.00063	1.01	0.0005 U	--	4E-05 U	--	4.48	0.0001 U	0.000282	0.0005 U	--
MW-9	8/23/2017	WE9-170823D	0.000635	1.01	0.0005 U	--	4E-05 U	--	4.44	0.0001 U	0.000292	0.0005 U	--
MW-9	11/21/2017	WE9-171121-	0.000434	0.876	0.0005 U	--	4E-05 U	--	4.73	0.0001 U	0.000294	0.00052	--
MW-9	2/28/2018	WE9-180228-	0.000313	0.508	0.0005 U	--	4E-05 U	--	2.88	0.0001 U	0.000287	0.0005 U	--
MW-9	5/17/2018	WE9-180517-	0.000636 D	1 D	0.0005 DU	--	4E-05 DU	--	5.58 D	0.0001 U	0.000309 D	0.0005 DU	--
MW-9	11/21/2018	WE9-181121-	--	0.66	--	--	--	--	3.68	--	--	0.0005 U	--
MW-9	5/24/2019	WE9-190524-	--	0.818	--	--	--	--	5.22	--	--	--	--
MW-9	10/31/2019	WE9-191031-	--	0.714	--	--	--	--	4.12	--	--	--	--
MW-9	6/3/2020	WE9-200603-	--	0.945	--	--	--	--	5.1	--	--	--	--
MW-9	11/19/2020	WE9-201119-	--	0.935	--	--	--	--	5.48	--	--	--	--
MW-9	5/11/2021	WE9-210511-	--	1.19	--	--	--	--	6.13	--	--	--	--
MW-9	11/8/2021	WE9-211108-	--	0.781	--	--	--	--	3.8	--	--	--	--
MW-9	5/25/2022	WE9-220525-	--	--	--	--	--	--	--	--	--	--	--
MW-9	12/6/2022	WE9-221206-	--	0.837	--	--	--	--	3.93	--	--	--	--
MW-9	5/9/2023	WE9-230509-	--	0.803	--	0.0005 U	--	4E-05 U	4.32	--	--	--	0.000731 D
MW-10	2/25/2013	WE10130225-	0.01 U	2.67	0.001 U	--	0.003 U	--	6.02 D	0.001 U	0.002 U	0.004 U	--
MW-10	6/4/2013	WE10130604-	0.01 U	3.51	0.001 U	--	0.003 DU	--	6.77	0.001 U	0.002 U	0.004 U	--
MW-10	8/15/2013	WE10130815-	0.01 DU	2.07	0.001 U	--	0.003 U	--	4.63	0.001 U	0.002 U	0.004 U	--
MW-10	11/8/2013	WE10131108-	0.01 U	1.78	0.001 U	--	0.003 U	--	4.09	0.001 U	0.002 U	0.004 U	--
MW-10	2/19/2014	WE10140219-	0.01 U	1.8	0.001 U	--	0.003 U	--	4.63	0.001 U	0.002 U	0.004 U	--
MW-10	5/19/2014	WE10140519-	0.01 U	6.51	0.001 U	--	0.003 DU	--	8.44	0.001 U	0.002 U	0.004 U	--
MW-10	8/12/2014	WE10140812-	0.01 U	3.54	0.001 U	--	0.003 U	--	6.55	0.001 U	0.002 U	0.004 U	--
MW-10	12/3/2014	WE10141203-	0.01 U	2.81	0.001 U	--	0.003 U	--	4.48	0.001 U	0.002 U	0.004 U	--
MW-10	3/3/2015	WE10150303-	0.01 U	2.42	0.001 U	--	0.003 U	--	5.63	0.001 U	0.002 U	0.004 U	--
MW-10	5/11/2015	WE10150511-	0.01 U	2.57	0.001 U	--	0.003 U	--	5.56	0.001 U	0.002 U	0.004 U	--
MW-10	8/4/2015	WE10150804-	0.01 U	1.41	0.001 U	--	0.003 U	--	3.95	0.001 U	0.002 U	0.004 U	--
MW-10	12/1/2015	WE10151201-	0.01 U	1.74	0.001 U	--	0.003 U	--	4.92	0.001 U	0.002 U	0.004 U	--
MW-10	2/8/2016	WE10160208-	0.01 U	4.52 D	0.001 U	--	0.003 DU	--	7.93	0.001 U	0.002 U	0.004 U	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Antimony, Dissolved (mg/L)	Arsenic, Dissolved (ug/L)	Arsenic, Total (ug/L)	Barium, Dissolved (mg/L)	Barium, Total (mg/L)	Beryllium, Dissolved (mg/L)	Cadmium, Dissolved (mg/L)	Cadmium, Total (mg/L)	Calcium, Dissolved (mg/L)	Chromium, Dissolved (mg/L)	Chromium, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-10	5/27/2016	WE10160527-	0.001 U	1 U	--	0.00473	--	0.001 U	0.002 U	--	25.5	0.005 U	--
MW-10	5/27/2016	WE10160527D	0.001 U	1 U	--	0.0047	--	0.001 U	0.002 U	--	25.6	0.005 U	--
MW-10	8/19/2016	WE10160819-	0.001 U	1 U	--	0.00264	--	0.001 DU	0.002 U	--	16.3	0.005 U	--
MW-10	12/5/2016	WE10161205-	0.001 U	1 U	--	0.00217	--	0.001 U	0.002 U	--	13.5	0.005 U	--
MW-10	2/17/2017	WE10170217-	0.001 U	1 U	--	0.00355	--	0.001 U	0.002 U	--	21.1	0.005 U	--
MW-10	5/26/2017	WE10170526-	0.0003 U	0.128	--	0.00638 D	--	0.0001 DU	5E-05 U	--	31.2	0.000378	--
MW-10	8/23/2017	WE10170823-	0.0003 U	0.116	--	0.00275	--	0.0001 U	5E-05 U	--	16.4	0.000435	--
MW-10	11/21/2017	WE10171121-	0.0003 U	0.113	--	0.00241	--	0.0001 U	5E-05 U	--	15.9	0.000424	--
MW-10	2/28/2018	WE10180228-	0.0003 U	0.134	--	0.00472	--	0.0001 U	5E-05 U	--	30	0.000398	--
MW-10	5/17/2018	WE10180517-	0.0003 U	0.142 D	--	0.00483	--	0.0001 U	5E-05 DU	--	25.3 D	0.000415 D	--
MW-10	11/21/2018	WE10181121-	--	0.12	--	--	--	--	--	--	13.6	--	--
MW-10	5/24/2019	WE10190524-	--	0.124	--	--	--	--	--	--	11.5	--	--
MW-10	10/31/2019	WE10191031-	--	0.125	--	--	--	--	--	--	14.1	--	--
MW-10	6/3/2020	WE10200603-	--	0.13	--	--	--	--	--	--	22.5	--	--
MW-10	11/19/2020	WE10201119-	--	0.117	--	--	--	--	--	--	17	--	--
MW-10	5/11/2021	WE10210511-	--	0.151	--	--	--	--	--	--	26.1	--	--
MW-10	11/8/2021	WE10211108-	--	0.144	--	--	--	--	--	--	17.9	--	--
MW-10	5/25/2022	WE10220525-	--	0.149	--	--	--	--	--	--	35.2	--	--
MW-10	12/6/2022	WE10221206-	--	0.117	--	--	--	--	--	--	19	--	--
MW-10	5/10/2023	WE10230510-	--	--	0.12	--	0.00239	--	--	5E-05 U	15.8	--	0.000438
Field Blanks													
FIELD BLANK	8/11/2014	WE6A140811F	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	0.01 U	0.005 U	--
FIELD BLANK	9/23/2014	WE2-140923F	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	0.01 U	0.005 U	--
FIELD BLANK	12/1/2014	WE1-141201F	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	0.01 U	0.005 U	--
FIELD BLANK	5/18/2015	WE9-150518F	0.001 U	1 U	--	0.001 U	--	0.001 DU	0.002 DU	--	5.66 D	0.005 U	--
FIELD BLANK	12/2/2015	WE1-151202F	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	0.01 U	0.005 U	--
FIELD BLANK	2/8/2016	WE3-160208F	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	0.01 U	0.005 U	--
FIELD BLANK	8/18/2016	WE9-160818F	0.001 U	1 U	--	0.001 U	--	0.001 DU	0.002 U	--	0.01 U	0.005 U	--
FIELD BLANK	12/5/2016	WE1-161205F	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	0.01 U	0.005 U	--
FIELD BLANK	2/22/2017	WE3-170222F	0.001 U	1 U	--	0.001 U	--	0.001 U	0.002 U	--	0.01 DU	0.005 U	--
FIELD BLANK	10/31/2019	WE2-191031F	--	0.05 U	--	--	--	--	--	--	0.05 U	--	--
FIELD BLANK	11/19/2020	WE6A201119F	--	0.05 U	--	--	--	--	--	--	0.05 U	--	--
FIELD BLANK	5/25/2022	WE2-220525F	--	--	0.05 U	--	--	--	--	--	0.05 U	--	--
FIELD BLANK	12/6/2022	WE2-221206F	--	0.05 U	--	--	--	--	--	--	0.05 U	--	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Cobalt, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Copper, Total (mg/L)	Iron, Dissolved (mg/L)	Iron, Total (mg/L)	Lead, Dissolved (mg/L)	Lead, Total (mg/L)	Magnesium, Dissolved (mg/L)	Manganese, Dissolved (ug/L)	Manganese, Total (ug/L)	Mercury, Dissolved (mg/L)	Mercury, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ug/L)	(ug/L)	(mg/L)	(mg/L)
MW-10	5/27/2016	WE10160527-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	5.04	1 U	--	0.0001 U	--
MW-10	5/27/2016	WE10160527D	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	5.06	1 U	--	0.0001 U	--
MW-10	8/19/2016	WE10160819-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	4.06	1 U	--	0.0001 U	--
MW-10	12/5/2016	WE10161205-	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	3.86	1 U	--	0.0001 U	--
MW-10	2/17/2017	WE10170217-	0.003 DU	0.002 U	--	0.01 U	--	0.001 DU	--	5.46	1 DU	--	0.0001 U	--
MW-10	5/26/2017	WE10170526-	5E-05 DU	0.0002 U	--	0.01 U	--	0.0001 DU	--	6.24	0.1 U	--	5E-05 U	--
MW-10	8/23/2017	WE10170823-	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	3.55	0.1 U	--	5E-05 U	--
MW-10	11/21/2017	WE10171121-	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	4.38	0.1 U	--	5E-05 U	--
MW-10	2/28/2018	WE10180228-	5E-05 U	0.0002 U	--	0.01 U	--	0.0001 U	--	6.5	0.1 U	--	5E-05 U	--
MW-10	5/17/2018	WE10180517-	5E-05 DU	0.0002 DU	--	0.01 DU	--	0.0001 U	--	5.27 D	0.1 DU	--	5E-05 U	--
MW-10	11/21/2018	WE10181121-	--	--	--	0.01 U	--	--	--	3.47	0.1 U	--	--	--
MW-10	5/24/2019	WE10190524-	--	--	--	0.01 U	--	--	--	3.03	0.1 U	--	--	--
MW-10	10/31/2019	WE10191031-	--	--	--	0.01 U	--	--	--	4.05	0.1 U	--	--	--
MW-10	6/3/2020	WE10200603-	--	--	--	0.01 U	--	--	--	4.9	0.1 U	--	--	--
MW-10	11/19/2020	WE10201119-	--	--	--	0.01 U	--	--	--	5.06	0.1 U	--	--	--
MW-10	5/11/2021	WE10210511-	--	--	--	0.01 U	--	--	--	5.76	0.1 U	--	--	--
MW-10	11/8/2021	WE10211108-	--	--	--	0.01 U	--	--	--	5.1	0.1 U	--	--	--
MW-10	5/25/2022	WE10220525-	--	--	--	0.01 U	--	--	--	7.41	0.1 U	--	--	--
MW-10	12/6/2022	WE10221206-	--	--	--	0.01 U	--	--	--	4.72	0.1 U	--	--	--
MW-10	5/10/2023	WE10230510-	--	--	0.0002 DU	0.01 U	0.01 U	--	0.0001 U	4.15	0.1 U	0.1 U	--	5E-05 U
			Field Blanks											
FIELD BLANK	8/11/2014	WE6A140811F	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	0.015 U	1 DU	--	0.0001 U	--
FIELD BLANK	9/23/2014	WE2-140923F	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	0.015 U	1 U	--	0.0001 U	--
FIELD BLANK	12/1/2014	WE1-141201F	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	0.015 U	1 DU	--	0.0001 U	--
FIELD BLANK	5/18/2015	WE9-150518F	0.003 DU	0.002 U	--	0.01 U	--	0.001 DU	--	1.36 D	1 DU	--	0.0001 U	--
FIELD BLANK	12/2/2015	WE1-151202F	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	0.015 U	1 U	--	0.0001 U	--
FIELD BLANK	2/8/2016	WE3-160208F	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	0.015 U	1 U	--	0.0001 U	--
FIELD BLANK	8/18/2016	WE9-160818F	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	0.015 U	1 U	--	0.0001 U	--
FIELD BLANK	12/5/2016	WE1-161205F	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	0.015 U	1 U	--	0.0001 U	--
FIELD BLANK	2/22/2017	WE3-170222F	0.003 U	0.002 U	--	0.01 U	--	0.001 U	--	0.015 DU	1 DU	--	0.0001 U	--
FIELD BLANK	10/31/2019	WE2-191031F	--	--	--	0.01 U	--	--	--	0.05 U	0.1 U	--	--	--
FIELD BLANK	11/19/2020	WE6A201119F	--	--	--	0.01 U	--	--	--	0.05 U	0.1 U	--	--	--
FIELD BLANK	5/25/2022	WE2-220525F	--	--	--	--	0.01 U	--	--	0.05 U	--	0.1 U	--	--
FIELD BLANK	12/6/2022	WE2-221206F	--	--	--	0.01 U	--	--	--	0.05 U	0.1 U	--	--	--

Table I-5
Groundwater - Historical Metals (Dissolved & Total)
January 1, 2013 - September 30, 2023

Groundwater - Metals (Dissolved & Total)			Nickel, Dissolved (mg/L)	Potassium, Dissolved (mg/L)	Selenium, Dissolved (mg/L)	Selenium, Total (mg/L)	Silver, Dissolved (mg/L)	Silver, Total (mg/L)	Sodium, Dissolved (mg/L)	Thallium, Dissolved (mg/L)	Vanadium, Dissolved (mg/L)	Zinc, Dissolved (mg/L)	Zinc, Total (mg/L)
Well #	Sample Date	Sample ID	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
MW-10	5/27/2016	WE10160527-	0.01 U	4.55	0.001 U	--	0.003 U	--	6.57	0.001 U	0.002 U	0.004 U	--
MW-10	5/27/2016	WE10160527D	0.01 U	4.57	0.001 U	--	0.003 U	--	6.54	0.001 U	0.002 U	0.004 U	--
MW-10	8/19/2016	WE10160819-	0.01 U	2.37	0.001 U	--	0.003 U	--	4.46	0.001 U	0.002 U	0.004 U	--
MW-10	12/5/2016	WE10161205-	0.01 U	1.88	0.001 U	--	0.003 U	--	4.56	0.001 U	0.002 U	0.004 U	--
MW-10	2/17/2017	WE10170217-	0.01 U	2.52	0.001 U	--	0.003 DU	--	5.24	0.001 DU	0.002 U	0.004 U	--
MW-10	5/26/2017	WE10170526-	0.000148	5.34	0.0005 U	--	4E-05 U	--	8.13	0.0001 U	0.000389	0.000582	--
MW-10	8/23/2017	WE10170823-	0.0001	2.96	0.0005 U	--	4E-05 U	--	5.13	0.0001 U	0.000404	0.0005 U	--
MW-10	11/21/2017	WE10171121-	0.000117	1.9	0.0005 U	--	4E-05 U	--	4.66	0.0001 U	0.000332	0.0005 U	--
MW-10	2/28/2018	WE10180228-	0.000194	3.41	0.0005 U	--	4E-05 U	--	7.47	0.0001 U	0.000374	0.0005 U	--
MW-10	5/17/2018	WE10180517-	0.000141 D	4.58 D	0.0005 DU	--	4E-05 DU	--	7.19 D	0.0001 U	0.000478 D	0.0005 DU	--
MW-10	11/21/2018	WE10181121-	--	1.49	--	--	--	--	4.22	--	--	0.0005 U	--
MW-10	5/24/2019	WE10190524-	--	1.36	--	--	--	--	3.98	--	--	--	--
MW-10	10/31/2019	WE10191031-	--	1.25	--	--	--	--	4.39	--	--	--	--
MW-10	6/3/2020	WE10200603-	--	3.24	--	--	--	--	6.25	--	--	--	--
MW-10	11/19/2020	WE10201119-	--	1.31	--	--	--	--	5.18	--	--	--	--
MW-10	5/11/2021	WE10210511-	--	3.02	--	--	--	--	6.52	--	--	--	--
MW-10	11/8/2021	WE10211108-	--	1.33	--	--	--	--	4.97	--	--	--	--
MW-10	5/25/2022	WE10220525-	--	6.38	--	--	--	--	8.3	--	--	--	--
MW-10	12/6/2022	WE10221206-	--	2.46	--	--	--	--	5.02	--	--	--	--
MW-10	5/10/2023	WE10230510-	--	2.35	--	0.0005 U	--	4E-05 U	4.46	--	--	--	0.0005 DU
			Field Blanks										
FIELD BLANK	8/11/2014	WE6A140811F	0.01 U	0.3 U	0.001 U	--	0.003 U	--	0.331	0.001 DU	0.002 DU	0.004 U	--
FIELD BLANK	9/23/2014	WE2-140923F	0.01 U	0.3 U	0.001 U	--	0.003 U	--	0.325	0.001 U	0.002 U	0.004 DU	--
FIELD BLANK	12/1/2014	WE1-141201F	0.01 U	0.3 U	0.001 U	--	0.003 U	--	0.361	0.001 U	0.002 U	0.004 U	--
FIELD BLANK	5/18/2015	WE9-150518F	0.01 U	0.3 DU	0.001 U	--	0.003 DU	--	0.359 D	0.001 U	0.002 U	0.004 DU	--
FIELD BLANK	12/2/2015	WE1-151202F	0.01 U	0.3 U	0.001 U	--	0.003 U	--	0.05 U	0.001 U	0.002 U	0.004 U	--
FIELD BLANK	2/8/2016	WE3-160208F	0.01 U	0.3 DU	0.001 U	--	0.003 DU	--	0.05 U	0.001 U	0.002 U	0.004 U	--
FIELD BLANK	8/18/2016	WE9-160818F	0.01 U	0.3 U	0.001 U	--	0.003 U	--	0.05 U	0.001 U	0.002 U	0.004 U	--
FIELD BLANK	12/5/2016	WE1-161205F	0.01 U	0.3 U	0.001 U	--	0.003 U	--	0.05 U	0.001 U	0.002 U	0.004 U	--
FIELD BLANK	2/22/2017	WE3-170222F	0.01 U	0.3 U	0.001 U	--	0.003 U	--	0.05 DU	0.001 U	0.002 U	0.004 U	--
FIELD BLANK	10/31/2019	WE2-191031F	--	0.1 U	--	--	--	--	0.1 U	--	--	--	--
FIELD BLANK	11/19/2020	WE6A201119F	--	0.1 U	--	--	--	--	0.1 U	--	--	--	--
FIELD BLANK	5/25/2022	WE2-220525F	--	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	12/6/2022	WE2-221206F	--	0.1 U	--	--	--	--	0.1 U	--	--	--	--

Notes:

-- = parameter is not sampled for

See Appendix A for qualifier definitions.

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone
CAS #			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3	591-78-6	108-10-1
Well #	Sample Date	Sample ID	(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)	(ug/L)
Monitoring Wells																		
MW-3	2/13/2013	WE3-130213-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	6/10/2013	WE3-130610-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	8/16/2013	WE3-130816-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	11/5/2013	WE3-131105-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	2/13/2014	WE3-140213-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	5/21/2014	WE3-140521-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 GU	4 U	4 U
MW-3	8/12/2014	WE3-140812-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	11/20/2014	WE3-141120-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	3/3/2015	WE3-150302-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	5/11/2015	WE3-150511-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	8/6/2015	WE3-150806-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	12/1/2015	WE3-151201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	2/8/2016	WE3-160208-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	5/26/2016	WE3-160526-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	8/22/2016	WE3-160822-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	12/5/2016	WE3-161205-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	2/22/2017	WE3-170222-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-3	5/30/2017	WE3-170530-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-3	8/21/2017	WE3-170821-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-3	11/27/2017	WE3-171127-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-3	11/27/2017	WE3-171127D	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-3	3/2/2018	WE3-180302-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-3	5/17/2018	WE3-180517-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-3	11/21/2018	WE3-181121-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-3	5/24/2019	WE3-190524-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-3	10/31/2019	WE3-191031-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-3	6/3/2020	WE3-200603-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-3	11/19/2020	WE3-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/11/2021	WE3-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/8/2021	WE3-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/25/2022	WE3-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/6/2022	WE3-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/10/2023	WE3-230510-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/21/2013	WE1-130221-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	6/3/2013	WE1-130603-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Acetone	Acrylonitril e	Benzene	Bromochlor omethane	Bromodichl oromethane	Bromoform	Bromometh ane	Carbon Disulfide	Carbon Tetrachlori de	Chlorobenz ene	Chlorodibro momethane	Chloroetha ne	Chloroform	Chlorometh ane	Cis-1,2- Dichloroeth ene	Cis-1,3- Dichloropro pene	Dibromome thane
CAS #			67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3
Well #	Sample Date	Sample ID	(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)	(ug/L)	(ug/L)
			Monitoring Wells																
MW-3	2/13/2013	WE3-130213-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	6/10/2013	WE3-130610-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	8/16/2013	WE3-130816-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	11/5/2013	WE3-131105-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	2/13/2014	WE3-140213-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	5/21/2014	WE3-140521-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	8/12/2014	WE3-140812-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	11/20/2014	WE3-141120-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	3/3/2015	WE3-150302-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	5/11/2015	WE3-150511-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	8/6/2015	WE3-150806-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	12/1/2015	WE3-151201-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	2/8/2016	WE3-160208-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	5/26/2016	WE3-160526-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	8/22/2016	WE3-160822-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	12/5/2016	WE3-161205-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	2/22/2017	WE3-170222-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-3	5/30/2017	WE3-170530-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-3	8/21/2017	WE3-170821-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-3	11/27/2017	WE3-171127-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-3	11/27/2017	WE3-171127D	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-3	3/2/2018	WE3-180302-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-3	5/17/2018	WE3-180517-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-3	11/21/2018	WE3-181121-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-3	5/24/2019	WE3-190524-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-3	10/31/2019	WE3-191031-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-3	6/3/2020	WE3-200603-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-3	11/19/2020	WE3-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/11/2021	WE3-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	11/8/2021	WE3-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/25/2022	WE3-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	12/6/2022	WE3-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-3	5/10/2023	WE3-230510-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	2/21/2013	WE1-130221-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	6/3/2013	WE1-130603-	4.31	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CAS #			75-71-8	100-41-4	MPX	74-88-4	75-09-2	95-47-6	100-42-5	127-18-4	108-88-3	156-60-5	10061-02-6	110-57-6	79-01-6	75-69-4	108-05-4	75-01-4
Well #	Sample Date	Sample ID	(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)	(ug/L)
			Monitoring Wells															
MW-3	2/13/2013	WE3-130213-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	6/10/2013	WE3-130610-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	8/16/2013	WE3-130816-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	11/5/2013	WE3-131105-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	2/13/2014	WE3-140213-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	5/21/2014	WE3-140521-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	8/12/2014	WE3-140812-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	11/20/2014	WE3-141120-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	3/3/2015	WE3-150302-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	5/11/2015	WE3-150511-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	8/6/2015	WE3-150806-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	12/1/2015	WE3-151201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	2/8/2016	WE3-160208-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	5/26/2016	WE3-160526-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	8/22/2016	WE3-160822-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	12/5/2016	WE3-161205-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	2/22/2017	WE3-170222-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-3	5/30/2017	WE3-170530-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-3	8/21/2017	WE3-170821-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-3	11/27/2017	WE3-171127-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-3	11/27/2017	WE3-171127D	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-3	3/2/2018	WE3-180302-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-3	5/17/2018	WE3-180517-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-3	11/21/2018	WE3-181121-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-3	5/24/2019	WE3-190524-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-3	10/31/2019	WE3-191031-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-3	6/3/2020	WE3-200603-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-3	11/19/2020	WE3-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-3	5/11/2021	WE3-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-3	11/8/2021	WE3-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-3	5/25/2022	WE3-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-3	12/6/2022	WE3-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-3	5/10/2023	WE3-230510-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-1	2/21/2013	WE1-130221-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	6/3/2013	WE1-130603-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone
CAS #			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3	591-78-6	108-10-1
Well #	Sample Date	Sample ID	(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)	(ug/L)
MW-1	8/13/2013	WE1-130813-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	11/8/2013	WE1-131108-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	2/11/2014	WE1-140211-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	5/13/2014	WE1-140513-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	8/12/2014	WE1-140812-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	12/1/2014	WE1-141201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	2/9/2015	WE1-150209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	5/11/2015	WE1-150511-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	8/3/2015	WE1-150803-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	12/2/2015	WE1-151202-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	2/5/2016	WE1-160205-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	5/26/2016	WE1-160526-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	8/19/2016	WE1-160819-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	12/5/2016	WE1-161205-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	2/17/2017	WE1-170217-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-1	5/26/2017	WE1-170526-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-1	8/23/2017	WE1-170823-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 JT	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-1	11/27/2017	WE1-171127-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-1	2/28/2018	WE1-180228-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-1	5/17/2018	WE1-180517-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-1	11/21/2018	WE1-181121-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-1	5/24/2019	WE1-190524-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-1	10/31/2019	WE1-191031-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-1	6/3/2020	WE1-200603-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-1	11/19/2020	WE1-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/11/2021	WE1-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/8/2021	WE1-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/25/2022	WE1-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/6/2022	WE1-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/9/2023	WE1-230509-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/22/2013	WE2-130222-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	5/29/2013	WE2-130529-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	8/15/2013	WE2-130815-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	8/15/2013	WE2-130815D	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	11/14/2013	WE2-131114-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	2/18/2014	WE2-140218-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Acetone	Acrylonitril e	Benzene	Bromochlor omethane	Bromodichl oromethane	Bromoform	Bromometh ane	Carbon Disulfide	Carbon Tetrachlori de	Chlorobenz ene	Chlorodibro momethane	Chloroetha ne	Chloroform	Chlorometh ane	Cis-1,2- Dichloroeth ene	Cis-1,3- Dichloropro pene	Dibromome thane
CAS #			67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3
Well #	Sample Date	Sample ID	(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)	(ug/L)	(ug/L)
MW-1	8/13/2013	WE1-130813-	5.63	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	11/8/2013	WE1-131108-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	2/11/2014	WE1-140211-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U	0.2 U
MW-1	5/13/2014	WE1-140513-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	8/12/2014	WE1-140812-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	12/1/2014	WE1-141201-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	2/9/2015	WE1-150209-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	5/11/2015	WE1-150511-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	8/3/2015	WE1-150803-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	12/2/2015	WE1-151202-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	2/5/2016	WE1-160205-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	5/26/2016	WE1-160526-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	8/19/2016	WE1-160819-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	12/5/2016	WE1-161205-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	2/17/2017	WE1-170217-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-1	5/26/2017	WE1-170526-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-1	8/23/2017	WE1-170823-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-1	11/27/2017	WE1-171127-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.12 JT	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-1	2/28/2018	WE1-180228-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-1	5/17/2018	WE1-180517-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-1	11/21/2018	WE1-181121-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-1	5/24/2019	WE1-190524-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-1	10/31/2019	WE1-191031-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-1	6/3/2020	WE1-200603-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-1	11/19/2020	WE1-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/11/2021	WE1-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	11/8/2021	WE1-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/25/2022	WE1-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	12/6/2022	WE1-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-1	5/9/2023	WE1-230509-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	2/22/2013	WE2-130222-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	5/29/2013	WE2-130529-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	8/15/2013	WE2-130815-	6.19	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	8/15/2013	WE2-130815D	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	11/14/2013	WE2-131114-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	2/18/2014	WE2-140218-	4 T	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CAS #			75-71-8	100-41-4	MPX	74-88-4	75-09-2	95-47-6	100-42-5	127-18-4	108-88-3	156-60-5	10061-02-6	110-57-6	79-01-6	75-69-4	108-05-4	75-01-4
Well #	Sample Date	Sample ID	(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)	(ug/L)
MW-1	8/13/2013	WE1-130813-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	11/8/2013	WE1-131108-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	2/11/2014	WE1-140211-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 GU	0.02 U
MW-1	5/13/2014	WE1-140513-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	8/12/2014	WE1-140812-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	12/1/2014	WE1-141201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	2/9/2015	WE1-150209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	5/11/2015	WE1-150511-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	8/3/2015	WE1-150803-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	12/2/2015	WE1-151202-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.0399
MW-1	2/5/2016	WE1-160205-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	5/26/2016	WE1-160526-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	8/19/2016	WE1-160819-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-1	12/5/2016	WE1-161205-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.0337
MW-1	2/17/2017	WE1-170217-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.0291
MW-1	5/26/2017	WE1-170526-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-1	8/23/2017	WE1-170823-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-1	11/27/2017	WE1-171127-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.0283
MW-1	2/28/2018	WE1-180228-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-1	5/17/2018	WE1-180517-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-1	11/21/2018	WE1-181121-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0221
MW-1	5/24/2019	WE1-190524-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0224
MW-1	10/31/2019	WE1-191031-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0367 D
MW-1	6/3/2020	WE1-200603-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-1	11/19/2020	WE1-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0311
MW-1	5/11/2021	WE1-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-1	11/8/2021	WE1-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0178 JT
MW-1	5/25/2022	WE1-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-1	12/6/2022	WE1-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-1	5/9/2023	WE1-230509-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0111 DJT
MW-2	2/22/2013	WE2-130222-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	5/29/2013	WE2-130529-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	8/15/2013	WE2-130815-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	8/15/2013	WE2-130815D	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	11/14/2013	WE2-131114-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	2/18/2014	WE2-140218-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone
CAS #			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3	591-78-6	108-10-1
Well #	Sample Date	Sample ID	(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)	(ug/L)
MW-2	5/14/2014	WE2-140514-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	9/23/2014	WE2-140923-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	12/3/2014	WE2-141203-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	2/19/2015	WE2-150219-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	2/19/2015	WE2-150219D	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	5/12/2015	WE2-150512-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	8/6/2015	WE2-150806-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	11/25/2015	WE2-151125-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	2/5/2016	WE2-160205-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	5/26/2016	WE2-160526-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	8/19/2016	WE2-160819-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	12/8/2016	WE2-161208-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	2/17/2017	WE2-170217-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-2	5/26/2017	WE2-170526-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-2	8/23/2017	WE2-170823-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-2	11/27/2017	WE2-171127-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-2	3/2/2018	WE2-180302-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-2	5/17/2018	WE2-180517-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-2	11/21/2018	WE2-181121-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-2	5/24/2019	WE2-190524-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-2	10/31/2019	WE2-191031-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-2	6/3/2020	WE2-200603-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-2	11/19/2020	WE2-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/11/2021	WE2-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/8/2021	WE2-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/25/2022	WE2-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/6/2022	WE2-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/9/2023	WE2-230509-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	2/22/2013	WE6A130222-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	6/11/2013	WE6A130611-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	8/6/2013	WE6A130806-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	11/4/2013	WE6A131104-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	2/10/2014	WE6A140210-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	2/10/2014	WE6A140210D	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	5/19/2014	WE6A140519-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 GU	4 U	4 U
MW-6A	8/11/2014	WE6A140811-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Acetone	Acrylonitril e	Benzene	Bromochlor omethane	Bromodichl oromethane	Bromoform	Bromometh ane	Carbon Disulfide	Carbon Tetrachlori de	Chlorobenz ene	Chlorodibro momethane	Chloroetha ne	Chloroform	Chlorometh ane	Cis-1,2- Dichloroeth ene	Cis-1,3- Dichloropro pene	Dibromome thane
CAS #			67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3
Well #	Sample Date	Sample ID	(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)	(ug/L)	(ug/L)
MW-2	5/14/2014	WE2-140514-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	9/23/2014	WE2-140923-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	12/3/2014	WE2-141203-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	2/19/2015	WE2-150219-	8.5 T	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	2/19/2015	WE2-150219D	7 T	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	5/12/2015	WE2-150512-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	8/6/2015	WE2-150806-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.34 T	0.2 U	0.2 U	0.2 U
MW-2	11/25/2015	WE2-151125-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U	0.2 U
MW-2	2/5/2016	WE2-160205-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	5/26/2016	WE2-160526-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	8/19/2016	WE2-160819-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	12/8/2016	WE2-161208-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	2/17/2017	WE2-170217-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-2	5/26/2017	WE2-170526-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-2	8/23/2017	WE2-170823-	2.8 JT	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-2	11/27/2017	WE2-171127-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-2	3/2/2018	WE2-180302-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-2	5/17/2018	WE2-180517-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-2	11/21/2018	WE2-181121-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-2	5/24/2019	WE2-190524-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-2	10/31/2019	WE2-191031-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-2	6/3/2020	WE2-200603-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-2	11/19/2020	WE2-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/11/2021	WE2-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	11/8/2021	WE2-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/25/2022	WE2-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	12/6/2022	WE2-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-2	5/9/2023	WE2-230509-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	2/22/2013	WE6A130222-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	6/11/2013	WE6A130611-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	8/6/2013	WE6A130806-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	11/4/2013	WE6A131104-	4.47 B	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	2/10/2014	WE6A140210-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U	0.2 U
MW-6A	2/10/2014	WE6A140210D	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U	0.2 U
MW-6A	5/19/2014	WE6A140519-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	8/11/2014	WE6A140811-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CAS #			75-71-8	100-41-4	MPX	74-88-4	75-09-2	95-47-6	100-42-5	127-18-4	108-88-3	156-60-5	10061-02-6	110-57-6	79-01-6	75-69-4	108-05-4	75-01-4
Well #	Sample Date	Sample ID	(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)	(ug/L)
MW-2	5/14/2014	WE2-140514-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	9/23/2014	WE2-140923-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	12/3/2014	WE2-141203-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	2/19/2015	WE2-150219-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	2/19/2015	WE2-150219D	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	5/12/2015	WE2-150512-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	8/6/2015	WE2-150806-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	11/25/2015	WE2-151125-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 GU
MW-2	2/5/2016	WE2-160205-	0.22 T	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	5/26/2016	WE2-160526-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	8/19/2016	WE2-160819-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	12/8/2016	WE2-161208-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	2/17/2017	WE2-170217-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-2	5/26/2017	WE2-170526-	0.15 JT	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-2	8/23/2017	WE2-170823-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-2	11/27/2017	WE2-171127-	0.11 JT	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-2	3/2/2018	WE2-180302-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-2	5/17/2018	WE2-180517-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-2	11/21/2018	WE2-181121-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-2	5/24/2019	WE2-190524-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-2	10/31/2019	WE2-191031-	0.141 JT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-2	6/3/2020	WE2-200603-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-2	11/19/2020	WE2-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-2	5/11/2021	WE2-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-2	11/8/2021	WE2-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-2	5/25/2022	WE2-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-2	12/6/2022	WE2-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-2	5/9/2023	WE2-230509-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-6A	2/22/2013	WE6A130222-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	6/11/2013	WE6A130611-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	8/6/2013	WE6A130806-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	11/4/2013	WE6A131104-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	2/10/2014	WE6A140210-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	2/10/2014	WE6A140210D	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	5/19/2014	WE6A140519-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	8/11/2014	WE6A140811-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone
CAS #			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3	591-78-6	108-10-1
Well #	Sample Date	Sample ID	(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)	(ug/L)
MW-6A	12/1/2014	WE6A141201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	3/3/2015	WE6A150303-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	5/18/2015	WE6A150518-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	8/11/2015	WE6A150811-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	12/1/2015	WE6A151201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	2/9/2016	WE6A160209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	5/26/2016	WE6A160526-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	8/22/2016	WE6A160822-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	12/7/2016	WE6A161209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	2/22/2017	WE6A170222-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-6A	5/30/2017	WE6A170530-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-6A	8/21/2017	WE6A170821-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-6A	11/21/2017	WE6A171121-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-6A	2/12/2018	WE6A180212-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-6A	5/17/2018	WE6A180517-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-6A	11/21/2018	WE6A181121-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-6A	5/24/2019	WE6A190524-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-6A	10/31/2019	WE6A191031-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-6A	6/3/2020	WE6A200603-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-6A	11/19/2020	WE6A201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	5/11/2021	WE6A210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	11/8/2021	WE6A211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	5/25/2022	WE6A220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	12/6/2022	WE6A221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	5/10/2023	WE6A230510-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	2/21/2013	WE9-130221-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	6/4/2013	WE9-130604-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	8/13/2013	WE9-130813-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	11/14/2013	WE9-131114-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	2/18/2014	WE9-140218-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	5/7/2014	WE9-140507-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	8/12/2014	WE9-140812-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	12/1/2014	WE9-141201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	3/3/2015	WE9-150303-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	5/18/2015	WE9-150518-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	8/11/2015	WE9-150811-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Acetone	Acrylonitril e	Benzene	Bromochlor omethane	Bromodichl oromethane	Bromoform	Bromometh ane	Carbon Disulfide	Carbon Tetrachlori de	Chlorobenz ene	Chlorodibro momethane	Chloroetha ne	Chloroform	Chlorometh ane	Cis-1,2- Dichloroeth ene	Cis-1,3- Dichloropro pene	Dibromome thane
CAS #			67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3
Well #	Sample Date	Sample ID	(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)	(ug/L)	(ug/L)
MW-6A	12/1/2014	WE6A141201-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	3/3/2015	WE6A150303-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	5/18/2015	WE6A150518-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U	0.2 U
MW-6A	8/11/2015	WE6A150811-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	12/1/2015	WE6A151201-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	2/9/2016	WE6A160209-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	5/26/2016	WE6A160526-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	8/22/2016	WE6A160822-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	12/7/2016	WE6A161209-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	2/22/2017	WE6A170222-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-6A	5/30/2017	WE6A170530-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-6A	8/21/2017	WE6A170821-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-6A	11/21/2017	WE6A171121-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-6A	2/12/2018	WE6A180212-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-6A	5/17/2018	WE6A180517-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-6A	11/21/2018	WE6A181121-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-6A	5/24/2019	WE6A190524-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-6A	10/31/2019	WE6A191031-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-6A	6/3/2020	WE6A200603-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-6A	11/19/2020	WE6A201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	5/11/2021	WE6A210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	11/8/2021	WE6A211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	5/25/2022	WE6A220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	12/6/2022	WE6A221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6A	5/10/2023	WE6A230510-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	2/21/2013	WE9-130221-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	6/4/2013	WE9-130604-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	8/13/2013	WE9-130813-	6.18	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	11/14/2013	WE9-131114-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	2/18/2014	WE9-140218-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	5/7/2014	WE9-140507-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	8/12/2014	WE9-140812-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	12/1/2014	WE9-141201-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	3/3/2015	WE9-150303-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	5/18/2015	WE9-150518-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U	0.2 U
MW-9	8/11/2015	WE9-150811-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CAS #			75-71-8	100-41-4	MPX	74-88-4	75-09-2	95-47-6	100-42-5	127-18-4	108-88-3	156-60-5	10061-02-6	110-57-6	79-01-6	75-69-4	108-05-4	75-01-4
Well #	Sample Date	Sample ID	(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)	(ug/L)
MW-6A	12/1/2014	WE6A141201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	3/3/2015	WE6A150303-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	5/18/2015	WE6A150518-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	8/11/2015	WE6A150811-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	12/1/2015	WE6A151201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	2/9/2016	WE6A160209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	5/26/2016	WE6A160526-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	8/22/2016	WE6A160822-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	12/7/2016	WE6A161209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	2/22/2017	WE6A170222-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-6A	5/30/2017	WE6A170530-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-6A	8/21/2017	WE6A170821-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-6A	11/21/2017	WE6A171121-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-6A	2/12/2018	WE6A180212-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-6A	5/17/2018	WE6A180517-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-6A	11/21/2018	WE6A181121-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-6A	5/24/2019	WE6A190524-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-6A	10/31/2019	WE6A191031-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-6A	6/3/2020	WE6A200603-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-6A	11/19/2020	WE6A201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-6A	5/11/2021	WE6A210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-6A	11/8/2021	WE6A211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-6A	5/25/2022	WE6A220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-6A	12/6/2022	WE6A221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-6A	5/10/2023	WE6A230510-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-9	2/21/2013	WE9-130221-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	6/4/2013	WE9-130604-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	8/13/2013	WE9-130813-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	11/14/2013	WE9-131114-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	2/18/2014	WE9-140218-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	5/7/2014	WE9-140507-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	8/12/2014	WE9-140812-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	12/1/2014	WE9-141201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	3/3/2015	WE9-150303-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	5/18/2015	WE9-150518-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	8/11/2015	WE9-150811-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone
CAS #			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3	591-78-6	108-10-1
Well #	Sample Date	Sample ID	(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)	(ug/L)
MW-9	11/25/2015	WE9-151125-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	2/9/2016	WE9-160209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	5/27/2016	WE9-160527-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	8/18/2016	WE9-160818-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	12/7/2016	WE9-161209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	2/17/2017	WE9-170217-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-9	5/26/2017	WE9-170526-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-9	8/23/2017	WE9-170823-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-9	8/23/2017	WE9-170823D	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-9	11/21/2017	WE9-171121-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-9	2/28/2018	WE9-180228-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-9	5/17/2018	WE9-180517-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-9	11/21/2018	WE9-181121-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-9	5/24/2019	WE9-190524-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-9	10/31/2019	WE9-191031-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-9	6/3/2020	WE9-200603-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-9	11/19/2020	WE9-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/11/2021	WE9-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/8/2021	WE9-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/25/2022	WE9-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	12/6/2022	WE9-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/9/2023	WE9-230509-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	2/25/2013	WE10130225-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	6/4/2013	WE10130604-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	8/15/2013	WE10130815-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	11/8/2013	WE10131108-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	2/19/2014	WE10140219-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	5/19/2014	WE10140519-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	8/12/2014	WE10140812-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	12/3/2014	WE10141203-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	3/3/2015	WE10150303-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	5/11/2015	WE10150511-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	8/4/2015	WE10150804-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	12/1/2015	WE10151201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	2/8/2016	WE10160208-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	5/27/2016	WE10160527-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Acetone	Acrylonitril e	Benzene	Bromochlor omethane	Bromodichl oromethane	Bromoform	Bromometh ane	Carbon Disulfide	Carbon Tetrachlori de	Chlorobenz ene	Chlorodibro momethane	Chloroetha ne	Chloroform	Chlorometh ane	Cis-1,2- Dichloroeth ene	Cis-1,3- Dichloropro pene	Dibromome thane
CAS #			67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3
Well #	Sample Date	Sample ID	(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)	(ug/L)	(ug/L)
MW-9	11/25/2015	WE9-151125-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U	0.2 U
MW-9	2/9/2016	WE9-160209-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	5/27/2016	WE9-160527-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	8/18/2016	WE9-160818-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	12/7/2016	WE9-161209-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	2/17/2017	WE9-170217-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-9	5/26/2017	WE9-170526-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-9	8/23/2017	WE9-170823-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-9	8/23/2017	WE9-170823D	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-9	11/21/2017	WE9-171121-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-9	2/28/2018	WE9-180228-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-9	5/17/2018	WE9-180517-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-9	11/21/2018	WE9-181121-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-9	5/24/2019	WE9-190524-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-9	10/31/2019	WE9-191031-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-9	6/3/2020	WE9-200603-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-9	11/19/2020	WE9-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/11/2021	WE9-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	11/8/2021	WE9-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/25/2022	WE9-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	12/6/2022	WE9-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9	5/9/2023	WE9-230509-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	2/25/2013	WE10130225-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	6/4/2013	WE10130604-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	8/15/2013	WE10130815-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	11/8/2013	WE10131108-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	2/19/2014	WE10140219-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	5/19/2014	WE10140519-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	8/12/2014	WE10140812-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	12/3/2014	WE10141203-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	3/3/2015	WE10150303-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	5/11/2015	WE10150511-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	8/4/2015	WE10150804-	6.1 T	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	12/1/2015	WE10151201-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	2/8/2016	WE10160208-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	5/27/2016	WE10160527-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CAS #			75-71-8	100-41-4	MPX	74-88-4	75-09-2	95-47-6	100-42-5	127-18-4	108-88-3	156-60-5	10061-02-6	110-57-6	79-01-6	75-69-4	108-05-4	75-01-4
Well #	Sample Date	Sample ID	(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)	(ug/L)
MW-9	11/25/2015	WE9-151125-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 GU
MW-9	2/9/2016	WE9-160209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	5/27/2016	WE9-160527-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	8/18/2016	WE9-160818-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	12/7/2016	WE9-161209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	2/17/2017	WE9-170217-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-9	5/26/2017	WE9-170526-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-9	8/23/2017	WE9-170823-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-9	8/23/2017	WE9-170823D	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-9	11/21/2017	WE9-171121-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-9	2/28/2018	WE9-180228-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-9	5/17/2018	WE9-180517-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-9	11/21/2018	WE9-181121-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-9	5/24/2019	WE9-190524-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-9	10/31/2019	WE9-191031-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-9	6/3/2020	WE9-200603-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-9	11/19/2020	WE9-201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-9	5/11/2021	WE9-210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-9	11/8/2021	WE9-211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-9	5/25/2022	WE9-220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-9	12/6/2022	WE9-221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-9	5/9/2023	WE9-230509-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-10	2/25/2013	WE10130225-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	6/4/2013	WE10130604-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	8/15/2013	WE10130815-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	11/8/2013	WE10131108-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	2/19/2014	WE10140219-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	5/19/2014	WE10140519-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	8/12/2014	WE10140812-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	12/3/2014	WE10141203-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	3/3/2015	WE10150303-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	5/11/2015	WE10150511-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	8/4/2015	WE10150804-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	12/1/2015	WE10151201-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	2/8/2016	WE10160208-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	5/27/2016	WE10160527-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone
CAS #			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3	591-78-6	108-10-1
Well #	Sample Date	Sample ID	(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)	(ug/L)
MW-10	5/27/2016	WE10160527D	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	8/19/2016	WE10160819-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	12/5/2016	WE10161205-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	2/17/2017	WE10170217-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
MW-10	5/26/2017	WE10170526-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-10	8/23/2017	WE10170823-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
MW-10	11/21/2017	WE10171121-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-10	2/28/2018	WE10180228-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-10	5/17/2018	WE10180517-	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
MW-10	11/21/2018	WE10181121-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-10	5/24/2019	WE10190524-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-10	10/31/2019	WE10191031-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-10	6/3/2020	WE10200603-	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
MW-10	11/19/2020	WE10201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	5/11/2021	WE10210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	11/8/2021	WE10211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	5/25/2022	WE10220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	12/6/2022	WE10221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	5/10/2023	WE10230510-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Field Blanks																		
FIELD BLANK	8/11/2014	WE6A140811F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
FIELD BLANK	9/23/2014	WE2-140923F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
FIELD BLANK	12/1/2014	WE1-141201F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
FIELD BLANK	5/18/2015	WE9-150518F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
FIELD BLANK	12/2/2015	WE1-151202F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
FIELD BLANK	2/8/2016	WE3-160208F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
FIELD BLANK	8/18/2016	WE9-160818F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
FIELD BLANK	12/5/2016	WE1-161205F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
FIELD BLANK	2/22/2017	WE3-170222F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
FIELD BLANK	10/31/2019	WE2-191031F	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
FIELD BLANK	11/19/2020	WE6A201119F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	5/25/2022	WE2-220525F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	12/6/2022	WE2-221206F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds Trip Blanks																		
VOA TRIP BLANK	2/12/2013	VTRP130213B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/20/2013	VTRP130221B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Acetone	Acrylonitril e	Benzene	Bromochlor omethane	Bromodichl oromethane	Bromoform	Bromometh ane	Carbon Disulfide	Carbon Tetrachlori de	Chlorobenz ene	Chlorodibro momethane	Chloroetha ne	Chloroform	Chlorometh ane	Cis-1,2- Dichloroeth ene	Cis-1,3- Dichloropro pene	Dibromome thane
CAS #			67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3
Well #	Sample Date	Sample ID	(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)	(ug/L)	(ug/L)
MW-10	5/27/2016	WE10160527D	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	8/19/2016	WE10160819-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	12/5/2016	WE10161205-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	2/17/2017	WE10170217-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-10	5/26/2017	WE10170526-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-10	8/23/2017	WE10170823-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-10	11/21/2017	WE10171121-	2.7 BJT	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-10	2/28/2018	WE10180228-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-10	5/17/2018	WE10180517-	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
MW-10	11/21/2018	WE10181121-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-10	5/24/2019	WE10190524-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-10	10/31/2019	WE10191031-	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-10	6/3/2020	WE10200603-	3 BJT	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
MW-10	11/19/2020	WE10201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	5/11/2021	WE10210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	11/8/2021	WE10211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	5/25/2022	WE10220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	12/6/2022	WE10221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	5/10/2023	WE10230510-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			Field Blanks																
FIELD BLANK	8/11/2014	WE6A140811F	6.44	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
FIELD BLANK	9/23/2014	WE2-140923F	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
FIELD BLANK	12/1/2014	WE1-141201F	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
FIELD BLANK	5/18/2015	WE9-150518F	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U	0.2 U
FIELD BLANK	12/2/2015	WE1-151202F	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
FIELD BLANK	2/8/2016	WE3-160208F	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
FIELD BLANK	8/18/2016	WE9-160818F	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
FIELD BLANK	12/5/2016	WE1-161205F	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.39 T	0.2 U	0.2 U	0.2 U	0.2 U
FIELD BLANK	2/22/2017	WE3-170222F	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
FIELD BLANK	10/31/2019	WE2-191031F	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
FIELD BLANK	11/19/2020	WE6A201119F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	5/25/2022	WE2-220525F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
FIELD BLANK	12/6/2022	WE2-221206F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
			Volatile Organic Compounds Trip Blanks																
VOA TRIP BLANK	2/12/2013	VTRP130213B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/20/2013	VTRP130221B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CAS #			75-71-8	100-41-4	MPX	74-88-4	75-09-2	95-47-6	100-42-5	127-18-4	108-88-3	156-60-5	10061-02-6	110-57-6	79-01-6	75-69-4	108-05-4	75-01-4
Well #	Sample Date	Sample ID	(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)	(ug/L)
MW-10	5/27/2016	WE10160527D	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	8/19/2016	WE10160819-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	12/5/2016	WE10161205-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	2/17/2017	WE10170217-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
MW-10	5/26/2017	WE10170526-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-10	8/23/2017	WE10170823-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-10	11/21/2017	WE10171121-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.13 JT	0.1 U	0.01 U
MW-10	2/28/2018	WE10180228-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-10	5/17/2018	WE10180517-	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
MW-10	11/21/2018	WE10181121-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-10	5/24/2019	WE10190524-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-10	10/31/2019	WE10191031-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-10	6/3/2020	WE10200603-	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-10	11/19/2020	WE10201119-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-10	5/11/2021	WE10210511-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-10	11/8/2021	WE10211108-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-10	5/25/2022	WE10220525-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
MW-10	12/6/2022	WE10221206-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
MW-10	5/10/2023	WE10230510-	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
			Field Blanks															
FIELD BLANK	8/11/2014	WE6A140811F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
FIELD BLANK	9/23/2014	WE2-140923F	0.2 U	0.2 U	0.2 U	0.2 U	0.29 T	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
FIELD BLANK	12/1/2014	WE1-141201F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
FIELD BLANK	5/18/2015	WE9-150518F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
FIELD BLANK	12/2/2015	WE1-151202F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 T	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
FIELD BLANK	2/8/2016	WE3-160208F	0.2 U	0.2 U	0.2 U	0.2 U	0.504	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
FIELD BLANK	8/18/2016	WE9-160818F	0.2 U	0.2 U	0.2 U	0.2 U	0.31 BT	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
FIELD BLANK	12/5/2016	WE1-161205F	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1.16	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
FIELD BLANK	2/22/2017	WE3-170222F	0.2 U	0.2 U	0.2 U	0.2 U	0.553	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
FIELD BLANK	10/31/2019	WE2-191031F	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
FIELD BLANK	11/19/2020	WE6A201119F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
FIELD BLANK	5/25/2022	WE2-220525F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
FIELD BLANK	12/6/2022	WE2-221206F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
			Volatile Organic Compounds Trip Blanks															
VOA TRIP BLANK	2/12/2013	VTRP130213B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/20/2013	VTRP130221B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone
CAS #			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3	591-78-6	108-10-1
Well #	Sample Date	Sample ID	(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)	(ug/L)
VOA TRIP BLANK	2/21/2013	VTRP130222B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/25/2013	VTRP130225B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/29/2013	VTRP130529B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/29/2013	VTRP130603B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	6/3/2013	VTRP130604B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	6/7/2013	VTRP130610B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	6/10/2013	VTRP130611B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/5/2013	VTRP130806B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/12/2013	VTRP130813B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/14/2013	VTRP130815B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/15/2013	VTRP130816B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	10/31/2013	VTRP131104C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	11/4/2013	VTRP131105C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	11/7/2013	VTRP131108B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	11/13/2013	VTRP131114B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/6/2014	VTRP140210B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/10/2014	VTRP140211B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/12/2014	VTRP140213B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/13/2014	VTRP140218B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/19/2014	VTRP140219B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/2/2014	VTRP140507C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/8/2014	VTRP140513C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/13/2014	VTRP140514-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/14/2014	VTRP140519C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/20/2014	VTRP140521B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/8/2014	VTRP140811-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/8/2014	VTRP140812C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/11/2014	VTRP140812B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	9/22/2014	VTRP140923B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	11/19/2014	VTRP141120B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	11/25/2014	VTRP141201B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	11/25/2014	VTRP141201C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	12/2/2014	VTRP141203B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/5/2015	VTRP150209B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/18/2015	VTRP150219B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/25/2015	VTRP150302C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Acetone	Acrylonitril e	Benzene	Bromochlor omethane	Bromodichl oromethane	Bromoform	Bromometh ane	Carbon Disulfide	Carbon Tetrachlori de	Chlorobenz ene	Chlorodibro momethane	Chloroetha ne	Chloroform	Chlorometh ane	Cis-1,2- Dichloroeth ene	Cis-1,3- Dichloropro pene	Dibromome thane
CAS #			67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3
Well #	Sample Date	Sample ID	(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)	(ug/L)	(ug/L)
VOA TRIP BLANK	2/21/2013	VTRP130222B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/25/2013	VTRP130225B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/29/2013	VTRP130529B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/29/2013	VTRP130603B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	6/3/2013	VTRP130604B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	6/7/2013	VTRP130610B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	6/10/2013	VTRP130611B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/5/2013	VTRP130806B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/12/2013	VTRP130813B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/14/2013	VTRP130815B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/15/2013	VTRP130816B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	10/31/2013	VTRP131104C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	11/4/2013	VTRP131105C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	11/7/2013	VTRP131108B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	11/13/2013	VTRP131114B	8.82	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/6/2014	VTRP140210B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/10/2014	VTRP140211B	9.13	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/12/2014	VTRP140213B	13.8	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/13/2014	VTRP140218B	13.1	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/19/2014	VTRP140219B	9.44 B	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/2/2014	VTRP140507C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/8/2014	VTRP140513C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/13/2014	VTRP140514-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/14/2014	VTRP140519C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/20/2014	VTRP140521B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/8/2014	VTRP140811-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/8/2014	VTRP140812C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/11/2014	VTRP140812B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	9/22/2014	VTRP140923B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	11/19/2014	VTRP141120B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	11/25/2014	VTRP141201B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	11/25/2014	VTRP141201C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	12/2/2014	VTRP141203B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/5/2015	VTRP150209B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/18/2015	VTRP150219B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/25/2015	VTRP150302C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CAS #			75-71-8	100-41-4	MPX	74-88-4	75-09-2	95-47-6	100-42-5	127-18-4	108-88-3	156-60-5	10061-02-6	110-57-6	79-01-6	75-69-4	108-05-4	75-01-4
Well #	Sample Date	Sample ID	(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)	(ug/L)
VOA TRIP BLANK	2/21/2013	VTRP130222B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/25/2013	VTRP130225B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/29/2013	VTRP130529B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/29/2013	VTRP130603B	0.2 U	0.2 U	0.2 U	0.2 U	0.21 T	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	6/3/2013	VTRP130604B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	6/7/2013	VTRP130610B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	6/10/2013	VTRP130611B	0.2 U	0.2 U	0.2 U	0.2 U	0.36 T	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/5/2013	VTRP130806B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/12/2013	VTRP130813B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/14/2013	VTRP130815B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/15/2013	VTRP130816B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	10/31/2013	VTRP131104C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	11/4/2013	VTRP131105C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	11/7/2013	VTRP131108B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	11/13/2013	VTRP131114B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/6/2014	VTRP140210B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/10/2014	VTRP140211B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/12/2014	VTRP140213B	0.2 U	0.2 U	0.2 U	0.2 U	0.21 T	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/13/2014	VTRP140218B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/19/2014	VTRP140219B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/2/2014	VTRP140507C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/8/2014	VTRP140513C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/13/2014	VTRP140514-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/14/2014	VTRP140519C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/20/2014	VTRP140521B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/8/2014	VTRP140811-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/8/2014	VTRP140812C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/11/2014	VTRP140812B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	9/22/2014	VTRP140923B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	11/19/2014	VTRP141120B	0.2 U	0.2 U	0.2 U	0.2 U	0.28 T	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	11/25/2014	VTRP141201B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	11/25/2014	VTRP141201C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	12/2/2014	VTRP141203B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/5/2015	VTRP150209B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/18/2015	VTRP150219B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/25/2015	VTRP150302C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone
CAS #			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3	591-78-6	108-10-1
Well #	Sample Date	Sample ID	(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)	(ug/L)
VOA TRIP BLANK	3/2/2015	VTRP150303C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/7/2015	VTRP150511B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/7/2015	VTRP150511C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/7/2015	VTRP150512C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/14/2015	VTRP150518B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	7/31/2015	VTRP150803C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	7/31/2015	VTRP150804B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/5/2015	VTRP150806B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/10/2015	VTRP150811B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	11/23/2015	VTRP151125C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	11/24/2015	VTRP151201C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	12/1/2015	VTRP151202C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/4/2016	VTRP160205C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/5/2016	VTRP160208-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/8/2016	VTRP160209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/25/2016	VTRP160526-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/25/2016	VTRP160526C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	5/26/2016	VTRP160527C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/17/2016	VTRP160818X	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/17/2016	VTRP160819Y	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	8/18/2016	VTRP160822Y	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	12/2/2016	VTRP161205X	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	12/2/2016	VTRP161205Y	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	12/5/2016	VTRP161208X	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	12/5/2016	VTRP161209Y	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/15/2017	VTRP170217X	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/15/2017	VTRP170217Y	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U
VOA TRIP BLANK	2/21/2017	VTRP170222X	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	4 U	4 U	4 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Acetone	Acrylonitril e	Benzene	Bromochlor omethane	Bromodichl oromethane	Bromoform	Bromometh ane	Carbon Disulfide	Carbon Tetrachlori de	Chlorobenz ene	Chlorodibro momethane	Chloroetha ne	Chloroform	Chlorometh ane	Cis-1,2- Dichloroeth ene	Cis-1,3- Dichloropro pene	Dibromome thane
CAS #			67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3
Well #	Sample Date	Sample ID	(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)	(ug/L)	(ug/L)
VOA TRIP BLANK	3/2/2015	VTRP150303C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/7/2015	VTRP150511B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/7/2015	VTRP150511C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.425	0.2 U	0.2 U
VOA TRIP BLANK	5/7/2015	VTRP150512C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/14/2015	VTRP150518B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.31 BGT	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	7/31/2015	VTRP150803C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	7/31/2015	VTRP150804B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/5/2015	VTRP150806B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/10/2015	VTRP150811B	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	11/23/2015	VTRP151125C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 GU	0.2 U	0.2 U
VOA TRIP BLANK	11/24/2015	VTRP151201C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	12/1/2015	VTRP151202C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/4/2016	VTRP160205C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/5/2016	VTRP160208-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/8/2016	VTRP160209-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/25/2016	VTRP160526-	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/25/2016	VTRP160526C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	5/26/2016	VTRP160527C	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/17/2016	VTRP160818X	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/17/2016	VTRP160819Y	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	8/18/2016	VTRP160822Y	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	12/2/2016	VTRP161205X	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	12/2/2016	VTRP161205Y	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	12/5/2016	VTRP161208X	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	12/5/2016	VTRP161209Y	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/15/2017	VTRP170217X	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/15/2017	VTRP170217Y	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
VOA TRIP BLANK	2/21/2017	VTRP170222X	4 U	0.07 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CAS #			75-71-8	100-41-4	MPX	74-88-4	75-09-2	95-47-6	100-42-5	127-18-4	108-88-3	156-60-5	10061-02-6	110-57-6	79-01-6	75-69-4	108-05-4	75-01-4
Well #	Sample Date	Sample ID	(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)	(ug/L)
VOA TRIP BLANK	3/2/2015	VTRP150303C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/7/2015	VTRP150511B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/7/2015	VTRP150511C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/7/2015	VTRP150512C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/14/2015	VTRP150518B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	7/31/2015	VTRP150803C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	7/31/2015	VTRP150804B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/5/2015	VTRP150806B	0.2 U	0.2 U	0.2 U	0.2 U	0.34 T	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/10/2015	VTRP150811B	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	11/23/2015	VTRP151125C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 GU
VOA TRIP BLANK	11/24/2015	VTRP151201C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	12/1/2015	VTRP151202C	0.2 U	0.2 U	0.2 U	0.2 U	0.695	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/4/2016	VTRP160205C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/5/2016	VTRP160208-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/8/2016	VTRP160209-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/25/2016	VTRP160526-	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/25/2016	VTRP160526C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	5/26/2016	VTRP160527C	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/17/2016	VTRP160818X	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/17/2016	VTRP160819Y	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	8/18/2016	VTRP160822Y	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	12/2/2016	VTRP161205X	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	12/2/2016	VTRP161205Y	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	12/5/2016	VTRP161208X	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	12/5/2016	VTRP161209Y	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/15/2017	VTRP170217X	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/15/2017	VTRP170217Y	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U
VOA TRIP BLANK	2/21/2017	VTRP170222X	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	100 U	0.2 U	0.2 U	0.2 U	0.02 U

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichloropropane	1,2-Dibromo-3-Chloropropane	1,2-Dibromoethane	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	2-Butanone	2-Hexanone	4-Methyl-2-Pentanone
CAS #			630-20-6	71-55-6	79-34-5	79-00-5	75-34-3	75-35-4	96-18-4	96-12-8	106-93-4	95-50-1	107-06-2	78-87-5	106-46-7	78-93-3	591-78-6	108-10-1
Well #	Sample Date	Sample ID	(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)	(ug/L)
VOA TRIP BLANK	5/19/2017	VTRP170526X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
VOA TRIP BLANK	5/25/2017	VTRP170526Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
VOA TRIP BLANK	5/26/2017	VTRP170530Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
VOA TRIP BLANK	8/18/2017	VTRP170821Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
VOA TRIP BLANK	8/18/2017	VTRP170823X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
VOA TRIP BLANK	8/21/2017	VTRP170823Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25 U	0.5 U	2.5 U
VOA TRIP BLANK	11/20/2017	VTRP171121Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
VOA TRIP BLANK	11/20/2017	VTRP171127Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
VOA TRIP BLANK	2/8/2018	VTRP180212X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
VOA TRIP BLANK	2/26/2018	VTRP180228Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
VOA TRIP BLANK	3/1/2018	VTRP180302Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
VOA TRIP BLANK	5/16/2018	VTRP180517X	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
VOA TRIP BLANK	5/16/2018	VTRP180517Y	0.25 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.005 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.5 U	2.5 U
VOA TRIP BLANK	11/19/2018	VTRP181121X	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
VOA TRIP BLANK	11/19/2018	VTRP181121Y	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
VOA TRIP BLANK	5/23/2019	VTRP190524X	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
VOA TRIP BLANK	5/23/2019	VTRP190524Z	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
VOA TRIP BLANK	10/30/2019	VTRP191031X	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
VOA TRIP BLANK	10/30/2019	VTRP191031Z	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
VOA TRIP BLANK	6/1/2020	VTRP200603X	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
VOA TRIP BLANK	6/1/2020	VTRP200603Y	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
VOA TRIP BLANK	6/1/2020	VTRP200603Z	--	--	--	--	--	--	--	--	0.005 U	--	--	--	--	--	--	--
VOA TRIP BLANK	11/18/2020	VTRP201119X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	11/18/2020	VTRP201119Z	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/10/2021	VTRP210511X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/10/2021	VTRP210511Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	11/8/2021	VTRP211108X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	11/8/2021	VTRP211108Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/20/2022	VTRP220525Z	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/24/2022	VTRP220525Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	12/5/2022	VTRP221206Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	12/5/2022	VTRP221206Z	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/4/2023	VTRP230509Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/4/2023	VTRP230510X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Acetone	Acrylonitril e	Benzene	Bromochlor omethane	Bromodichl oromethane	Bromoform	Bromometh ane	Carbon Disulfide	Carbon Tetrachlori de	Chlorobenz ene	Chlorodibro momethane	Chloroetha ne	Chloroform	Chlorometh ane	Cis-1,2- Dichloroeth ene	Cis-1,3- Dichloropro pene	Dibromome thane
CAS #			67-64-1	107-13-1	71-43-2	74-97-5	75-27-4	75-25-2	74-83-9	75-15-0	56-23-5	108-90-7	124-48-1	75-00-3	67-66-3	74-87-3	156-59-2	10061-01-5	74-95-3
Well #	Sample Date	Sample ID	(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)	(ug/L)	(ug/L)
VOA TRIP BLANK	5/19/2017	VTRP170526X	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	5/25/2017	VTRP170526Y	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	5/26/2017	VTRP170530Y	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	8/18/2017	VTRP170821Y	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	8/18/2017	VTRP170823X	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	8/21/2017	VTRP170823Y	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	11/20/2017	VTRP171121Y	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	11/20/2017	VTRP171127Y	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	2/8/2018	VTRP180212X	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	2/26/2018	VTRP180228Y	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	3/1/2018	VTRP180302Y	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	5/16/2018	VTRP180517X	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	5/16/2018	VTRP180517Y	2.5 U	0.035 U	0.1 U	0.1 U	0.25 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.5 U	0.1 U	0.1 U	0.25 U	0.1 U	0.25 U	0.1 U
VOA TRIP BLANK	11/19/2018	VTRP181121X	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
VOA TRIP BLANK	11/19/2018	VTRP181121Y	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
VOA TRIP BLANK	5/23/2019	VTRP190524X	3.43 JT	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
VOA TRIP BLANK	5/23/2019	VTRP190524Z	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
VOA TRIP BLANK	10/30/2019	VTRP191031X	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
VOA TRIP BLANK	10/30/2019	VTRP191031Z	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
VOA TRIP BLANK	6/1/2020	VTRP200603X	2.5 U	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
VOA TRIP BLANK	6/1/2020	VTRP200603Y	2.79 BJT	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
VOA TRIP BLANK	6/1/2020	VTRP200603Z	2.61 BJT	--	--	--	--	--	--	--	--	--	--	--	--	0.25 U	--	--	--
VOA TRIP BLANK	11/18/2020	VTRP201119X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	11/18/2020	VTRP201119Z	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/10/2021	VTRP210511X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/10/2021	VTRP210511Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	11/8/2021	VTRP211108X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	11/8/2021	VTRP211108Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/20/2022	VTRP220525Z	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/24/2022	VTRP220525Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	12/5/2022	VTRP221206Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	12/5/2022	VTRP221206Z	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/4/2023	VTRP230509Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VOA TRIP BLANK	5/4/2023	VTRP230510X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table I-6
Groundwater - Historical Volatile Organic Compounds
January 1, 2013 - September 30, 2023

Groundwater - Volatile Organic Compounds			Dichlorodifluoromethane	Ethylbenzene	M & P Xylene	Methyl Iodide	Methylene Chloride	O-Xylene	Styrene	Tetrachloroethene	Toluene	Trans-1,2-Dichloroethene	Trans-1,3-Dichloropropene	Trans-1,4-Dichloro-2-Butene	Trichloroethene	Trichlorofluoromethane	Vinyl Acetate	Vinyl Chloride
CAS #			75-71-8	100-41-4	MPX	74-88-4	75-09-2	95-47-6	100-42-5	127-18-4	108-88-3	156-60-5	10061-02-6	110-57-6	79-01-6	75-69-4	108-05-4	75-01-4
Well #	Sample Date	Sample ID	(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)	(ug/L)
VOA TRIP BLANK	5/19/2017	VTRP170526X	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/25/2017	VTRP170526Y	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/26/2017	VTRP170530Y	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	8/18/2017	VTRP170821Y	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	8/18/2017	VTRP170823X	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	8/21/2017	VTRP170823Y	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	11/20/2017	VTRP171121Y	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	11/20/2017	VTRP171127Y	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	2/8/2018	VTRP180212X	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	2/26/2018	VTRP180228Y	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	3/1/2018	VTRP180302Y	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/16/2018	VTRP180517X	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	5/16/2018	VTRP180517Y	0.1 U	0.1 U	0.1 U	0.1 U	2.5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.5 U	5 U	0.1 U	0.1 U	0.1 U	0.01 U
VOA TRIP BLANK	11/19/2018	VTRP181121X	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	11/19/2018	VTRP181121Y	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	5/23/2019	VTRP190524X	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	5/23/2019	VTRP190524Z	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	10/30/2019	VTRP191031X	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	10/30/2019	VTRP191031Z	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	6/1/2020	VTRP200603X	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	6/1/2020	VTRP200603Y	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	6/1/2020	VTRP200603Z	0.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	11/18/2020	VTRP201119X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	11/18/2020	VTRP201119Z	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	5/10/2021	VTRP210511X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	5/10/2021	VTRP210511Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	11/8/2021	VTRP211108X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	11/8/2021	VTRP211108Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	5/20/2022	VTRP220525Z	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	5/24/2022	VTRP220525Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 U
VOA TRIP BLANK	12/5/2022	VTRP221206Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
VOA TRIP BLANK	12/5/2022	VTRP221206Z	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
VOA TRIP BLANK	5/4/2023	VTRP230509Y	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU
VOA TRIP BLANK	5/4/2023	VTRP230510X	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.01 DU

Notes:
-- = parameter is not sampled for
See Appendix A for qualifier definitions.