2024 ANNUAL ENVIRONMENTAL MONITORING REPORT

INMAN LANDFILL

14506 Allen West Road
Bow, Washington



Prepared by:

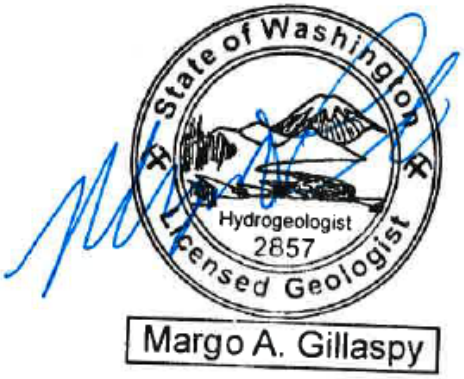
Skagit County Public Works Department
1800 Continental Place
Mount Vernon, Washington 98273-5625

March 2025

2024 Annual Environmental Monitoring Report
Inman Landfill
Skagit County, Washington

Prepared by:

Russell S. Thompson



Margo A. Gillaspy, LG, LHG

Skagit County Public Works Department
1800 Continental Place
Mount Vernon, Washington 98273-5625

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1.0 INTRODUCTION

This report presents a summary of environmental monitoring data collected during 2024 at the Inman Landfill. Annual reporting of environmental monitoring data is required by *Minimum Functional Standards for Solid Waste Handling* (Chapter 173-304 Washington Administrative Code [WAC]) and *Special Incinerator Ash Management Standards* (Chapter 173-306 WAC). This annual monitoring report includes a summary of leachate generation, groundwater quality and flow characteristics, landfill gas extraction system operations, and methane concentrations measured in perimeter gas probes.

1.1. Site Background

Inman Landfill is located in the northwestern portion of Skagit County, approximately 7.5 miles northwest of Mount Vernon, Washington (Figure 1). The site occupies a former gravel pit and was operated as a solid waste disposal facility by Skagit County beginning in 1973. The site stopped accepting waste in April 1994 and closure construction was completed in 1995.

Solid waste was first disposed in an unlined area covering approximately 16 acres in the eastern portion of the site (Phase I). Beginning in 1986, solid waste was disposed in a lined portion of the site (Phase II), which covers approximately 10 acres, part of which overlaps the Phase I area. Incinerator ash was also disposed in the lined (Phase II) area. The lined portion of the site includes a combination of composite, geomembrane, and soil liner systems. The leachate collection system consists of a series of perforated pipes placed above the bottom liner. The perforated pipes collect and route leachate through a pump station to a lined aeration pond where it is subsequently hauled to a local wastewater treatment plant for disposal.

1.2. Landfill Closure

The landfill stopped receiving waste on April 8, 1994. Closure activities followed in accordance with the approved closure plans. An assessment of potential contaminant sources was conducted in response to the detection of groundwater impacts in the landfill monitoring wells. Based on the results of this assessment, several corrective actions were incorporated into the final closure design to reduce or eliminate identified potential contaminant sources and to protect public health. Corrective actions implemented during and after closure included:

- Relining the leachate aeration pond and upgrading the pump station.
- Improving the surface water collection, conveyance, and storage facilities.
- Recapping the Phase I portion of the landfill with a cover that exceeded the standards required at the time.
- Connecting surrounding homes to a public water system and abandoning drinking water wells.

In addition to these corrective actions, closure activities also included the construction of a landfill gas (LFG) extraction system and expansion of the perimeter gas monitoring probe network. The LFG extraction system has operated since closure to alleviate the accumulation of methane beneath the landfill cap and to control off-site methane migration.

These measures were intended to reduce leachate generation by reducing surface water infiltration, minimizing the potential transport of contaminants in the gas stream into groundwater, and eliminating suspected groundwater contaminant sources and potential exposure pathways. Since closure was completed, these actions have resulted in a gradual long-term decrease in leachate generation and a long-term improvement of groundwater quality as discussed in subsequent sections of this report.

2.0 LEACHATE

2.1. Leachate Collection System Operation

Post-closure activities at Inman Landfill include operation of a leachate collection system. The leachate collection system consists of a network of drain pipes situated under the newer (Phase II) portion of the landfill. These drain pipes lead to a single concrete sump and pump station (PS#1). Leachate enters the sump and is pumped up to a double-lined leachate collection pond. Leachate in the pond is pre-treated with aerators. The pre-treated leachate is periodically pumped from the pond and hauled to the City of Mount Vernon wastewater treatment plant for disposal as authorized by a State Wastewater Discharge Permit.

2.2. Leachate Generation

The amount of leachate collected from the lined, Phase II portion of the landfill generally increased each year until closure in 1994 (Figure 2). Since 1994 leachate generation has generally decreased. In 2006, leachate generation was 3 percent of the amount collected during 1991 and 1992, which was prior to installation of the landfill cover system. Leachate generation rates leveled off approximately twelve years ago, and then decreased again from 2002 through 2005 before increasing in 2007. There was an approximate four-fold increase between 2006 and 2007; this increase was due to the complete draining of the leachate pond during the third quarter of 2007 for cleaning and repair.

Because of maintenance issues, no leachate has been pumped into the leachate pond since March 2023. Draining, cleaning, are repair of the pond's top liner are expected to occur in 2025. Two aerators had their motors replaced in 2024; all aerators will be re-installed in the pond once maintenance has completed.

The stabilization of leachate generation rates during the late 1990s may indicate the removal of easily-drained leachate that entered the landfill prior to construction of the existing cover system. One point that is clear from the graph is that the landfill cover has been effective in reducing the amount of precipitation entering the landfill and, consequently the amount of leachate that is generated.

The Phase I area of the landfill does not have a bottom liner and therefore, no leachate collection system. A significant amount of leachate generated from this portion of the site does potentially reach the underlying groundwater system. However, since the landfill cover system placed over the Phase I area is similar to that placed over the Phase II area, it is reasonable to assume that potential leachate generated from the Phase I area has also decreased in amounts proportional to those observed for the Phase II area.

3.0 HYDROGEOLOGY

Inman Landfill is located on the north side of Bay View Ridge. Bay View Ridge is composed of a series of glacial and glaciomarine deposits and rises up to 200 feet above the surrounding delta valleys. A previous investigation concludes that the Inman Landfill site is underlain by two aquifers (Sweet Edwards & Associates 1987). These aquifers consist of a shallow, unconfined perched aquifer that is typically located above sea level, and a deeper regional aquifer (referred to as the upper regional aquifer or the regional aquifer) that is situated near or below sea level. The shallow perched aquifer occurs in a sand unit that is situated above a dense silt/clay layer at elevations of approximately 1 to 13 feet above sea level. The silt/clay layer appears to dip to the west and southwest into Bay View Ridge. Monitoring Wells B-6, B-7, B-8, B-9, B-11, and B-13 and Gas Probe GP-6 are screened in the perched aquifer (Figure 3). Previous groundwater measurements in these wells indicate that groundwater in this aquifer follows the dip of the silt/clay layer and flows generally to the southwest.

The upper regional aquifer is located in fine to coarse sand deposits that are present beneath the silt/clay layer (Sweet Edwards & Associates 1987). The upper regional aquifer is confined by the overlying silt/clay layer. The top of this aquifer is reportedly situated at elevations ranging from 6 to 14 feet below sea level. Monitoring Wells B-1, B-2, B-3, B-4, B-5, B-10, and B-12 are screened in the upper regional aquifer (Figure 4). Previous groundwater measurements in these wells indicate that groundwater in this aquifer flows in a radial pattern away from Bay View Ridge to the north, northeast, and east.

Water level measurements were collected during three quarterly monitoring events during 2024 (April, September, and December) from monitoring wells completed within each aquifer. Based on the measured water levels, computer-generated potentiometric surface maps were created for each aquifer for each of these quarters (Figures 3a-3c, 4a-4c). These maps were prepared with the kriging method in the Surfer™ version 12.8 contouring software package using elevations from the monitoring wells in each aquifer (Table 1 & 2). Well B-13 was not measured during the September or December measuring events in 2024; therefore, these wells were not used to construct the water table contour map for the third or fourth quarters. Hydrographs of groundwater elevations collected since landfill closure for both aquifers were also prepared (Figures 5 & 6).

3.1. Perched Aquifer

Static water level elevations measured in 2024 for the perched aquifer ranged from a minimum of 9.30 feet above mean sea level (amsl) at B-11 (March) to a maximum of 13.70 feet amsl at B-8 (March) (Table 1).

Table 1. 2024 Static Water Level Elevations: Perched Aquifer

	March	June	September	December
B-6	11.00	10.91	10.50	10.80
B-7	10.40	10.27	10.17	10.07
B-8	13.70	12.33	11.52	13.33
B-9	9.99	10.13	9.80	10.04
B-11	9.30	9.57	9.35	9.32
B-13	11.91	12.17	11.49	11.81
GP-6	13.21	12.68	12.03	12.82

Elevations are in feet above mean sea level (NGVD 29); NM = Not Measured

The water table contour maps indicate that perched groundwater flow was fairly consistent during 2024, flowing generally from the northeast towards the southwest (Figures 3a-3d). Local groundwater velocities can be variable because of the complex local groundwater flow patterns. For simplicity, the average groundwater velocity across the site within this aquifer was calculated using gradients observed across the central and southern portions of the site.

Based on these criteria, the average gradient in 2024 ranged from about 0.0013 to 0.0021 feet per foot (ft/ft), with an average gradient of approximately 0.0017 ft/ft. The average porosity of the perched aquifer material was estimated to be approximately 27.5 percent, and the hydraulic conductivity was estimated to be approximately 28 feet per day (ft/day) (Sweet Edwards & Associates 1987). These parameters were used in conjunction with the average hydraulic gradient of 0.0015 ft/ft to estimate the average linear velocity of groundwater in the perched aquifer using Darcy's Law, where: **V = Ki/n,** and

V = average linear velocity,
K = hydraulic conductivity,
i = hydraulic gradient, and
n = porosity.

This calculation indicates that the average linear velocity of groundwater in the perched aquifer during 2024 was approximately 0.17 ft/day.

A review of the hydrograph for the perched aquifer (Figure 5) shows that the water levels fluctuate in a typical seasonal manner. Prior to 2004 the hydrograph shows an overall slightly decreasing trend in all of the wells since 1995; however, the 2004 through 2024 measurements indicate that this decreasing trend has stabilized. The decreasing trend may be a result of reduced infiltration of rainwater over the landfill since construction of the cap was completed in 1995.

3.2. Upper Regional Aquifer

Static water level elevations measured in 2024 for the upper regional aquifer ranged from a minimum of 2.91 feet amsl at B-5 (September) to a maximum of 8.92 feet amsl at B-2 (March) (Table 2).

Table 2. 2024 Static Water Level Elevations: Upper Regional Aquifer

Well	March	June	September	December
B-1	8.53	8.66	8.32	8.62
B-2	8.92	8.84	8.33	8.83
B-3	8.53	8.38	7.92	8.58
B-4	8.66	8.79	8.39	8.85
B-5	5.66	3.31	2.91	5.19
B-10	8.69	8.95	8.96	8.79
B-12	8.46	8.46	7.94	8.35

Elevations are in feet above mean sea level (NGVD 29)

The water table contour maps for 2024 indicate that the upper regional aquifer groundwater generally flowed from the west towards the east (Figures 4a-4d). Using the information in these maps, hydraulic gradients were calculated between Well B-10, the most upgradient well, and Well B-12, the most downgradient well for the majority of the monitoring events. The calculated hydraulic gradients from

Well B-10 to Well B-12 for 2024 ranged from 0.0002 to 0.0006 ft/ft, with an average of approximately 0.0003 ft/ft.

In addition to the construction of the potentiometric surface maps, groundwater elevations were also used to calculate estimated groundwater flow velocities for the upper regional aquifer. Because of the similarity in material in the perched and upper regional aquifers, the same values for porosity and hydraulic conductivity used for the perched aquifer were also used for the upper regional aquifer. These parameters were used in conjunction with the average hydraulic gradient for 2024 of 0.0003 ft/ft (calculated previously) to estimate the average linear velocity of groundwater in the upper regional aquifer using Darcy's Law. The result of this calculation indicates that the average linear velocity of groundwater in the upper regional aquifer during 2024 was approximately 0.03 ft/day across the central landfill site.

In addition to the potentiometric surface map showing the central landfill area, potentiometric surface maps were also prepared showing groundwater contours beyond the northern and eastern boundaries of the landfill and into the topographically lower Samish River Valley (Figures 7a-7d). These maps were also prepared with the wells used for the central landfill area in addition to elevations from a single well located in the valley (Well B-5; refer to Table 2) and estimated groundwater elevations for points located along nearby Joe Leary Slough. Groundwater elevations along Joe Leary Slough were estimated using the elevation of surface water measured in the slough. It should be noted that water level elevations at both the slough and at Well B-5 show significant tidal influence.

The flow pattern in the upper regional aquifer continues to be a radial flow into the Samish River valley, although the hydraulic gradient appears to increase significantly as groundwater enters the Samish River Valley from the central landfill area. Also, flow in the upper regional aquifer appears more radial than in the perched aquifer, flowing from the western side of the site toward the north, northeast, and east.

Hydraulic gradients were calculated from the west side of the landfill and extending into the valley. The gradients were calculated using the groundwater elevations measured at Well B-10, located in the southwestern portion of the site, and Well B-5, which is located in the valley and downgradient of Well B-10. The gradients calculated between these two points ranged from approximately 0.0008 to 0.0017 ft/ft during 2024, with an average of approximately 0.0012 ft/ft. This gradient is steeper than that calculated for the central landfill area because it combines the flatter gradient beneath the landfill with the steeper gradient measured between the landfill proper and the Samish Valley. As noted above, this gradient is significantly influenced by the tide. Using this average hydraulic gradient and the aquifer parameters presented above, the resulting average linear velocity of groundwater in the upper regional aquifer across the landfill area and into the Samish Valley in 2024 was approximately 0.417 ft/day.

A review of the hydrograph for the upper regional aquifer (Figure 6) shows that the water levels fluctuate in a typical seasonal manner. Well B-5 shows the greatest variation of all wells in the upper regional aquifer, but this variation is likely a reflection of different tidal stages in which measurements are made and is to a lesser extent due to seasonal variation. Prior to 2004 the hydrograph shows an overall slightly decreasing trend in all of the wells except Well B-5; however, since 2004 generally water levels have stabilized. The decreasing trend may be a result of reduced infiltration of rainwater over the landfill since construction of the cap was completed in 1995.

4.0 GROUNDWATER SAMPLING METHODS

4.1. Sample Locations and Frequency

Groundwater sampling at Inman Landfill is conducted on a quarterly basis. The Inman Landfill groundwater monitoring network consists of 13 monitoring wells: seven wells screened in the upper regional aquifer (B-1, B-2, B-3, B-4, B-5, B-10, and B-12), and six wells screened in the perched aquifer (B-6, B-7, B-8, B-9, B-11, and B-13). Quarterly sampling in 2024 was conducted in April, September, and January 2024. Declining water levels in the perched aquifer prevented sample collection at Wells B-7 and B-13 during all 2024 sampling events, and B-8 during the September monitoring event. Well B-7 has been dry for over 30 years and has not been sampled since landfill closure in 1994. Monitoring well B-13 was last sampled during the fourth quarter of 2010 (December 2010).

4.2. Sample Collection

All monitoring wells were purged and sampled in accordance with the *Quality Assurance Project Plan* (QAPP) for Inman Landfill (Skagit County Public Works (SCPW) Dept., 2010).

4.3. Analytical Parameters

Groundwater samples were submitted to Edge Analytical of Burlington, Washington for analysis. Parameters tested consisted of analytes specified in the QAPP (SCPW Dept., 2010). Beginning with the second quarter of 2008 sampling event, additional parameters were tested during each subsequent quarterly sampling event. These additional parameters were measured for a two year period based on a request from the Washington Department of Ecology to further characterize groundwater at the landfill site. These additional parameters were measured for the last time during the first quarter 2010 monitoring event. These additional parameters included total dissolved solids (TDS), alkalinity, bicarbonate, total calcium, total magnesium, total potassium, total sodium, and the following dissolved metals: antimony, barium, beryllium, cobalt, copper, nickel, selenium, silver, thallium, and vanadium.

Based on a subsequent request from the Washington Department of Ecology, most of these additional parameters were sampled again beginning in the third quarter of 2011. Three parameters that were never detected above practical quantitation limits during the 2008 to 2010 sampling rounds were dropped from the sampling request, and included dissolved metals: beryllium, silver, and thallium. The additional parameters from the 2011 request that are presently analyzed for include TDS, alkalinity, bicarbonate, total magnesium, total potassium, and the following dissolved metals: antimony, barium, chromium, cobalt, copper, nickel, selenium, and vanadium. Beginning in third quarter 2024, total arsenic, total iron, and total manganese were added to the sampling parameters for Inman landfill at the request of Ecology. For quality assurance purposes, duplicate samples were collected from Well B-3 during each sampling round.

5.0 GROUNDWATER QUALITY RESULTS

A discussion of groundwater quality based on analytical results from the monitoring well network is presented in this section. Separate discussions are included for the perched and upper regional aquifers. A background well has not been established for either the perched aquifer or the upper regional aquifer monitoring networks because of apparent or potential landfill impacts at each monitoring well location as indicated by historical monitoring results. For metals which have both dissolved and total results, the highest value between them is used since in some cases the dissolved result appears slightly higher.

Tabulated groundwater monitoring results for 2024 are presented in Appendices A-1 and B-1 for the perched and upper regional aquifers, respectively. Time-series plots were generated from data collected from 1994 through 2024 (Appendices A-2 and B-2).

For quality assurance purposes, a data validation report was generated that reviews laboratory groundwater quality data from the sampling event. The fourth quarter data validation report is presented in Appendix C.

5.1. Perched Aquifer

The perched aquifer monitoring system for the site comprises Monitoring Wells B-6, B-7, B-8, B-9, B-11, and B-13. As mentioned in Section 4.1, only monitoring wells B-6, B-8, B-9, and B-11 had sufficient water to collect representative groundwater samples during some or all of the four quarterly sampling events in 2024. Two analytes (arsenic and pH) were found to exceed state groundwater standards (Chapter 173-200 WAC) in the perched aquifer during 2024 (Table 3).

Table 3. Summary of Maximum Concentrations of Analytes Exceeding Groundwater Quality Standards in Perched Aquifer Wells: 2024

Contaminant	GW Quality Standards (173-200 WAC)	B-6	B-8	B-9	B-11
Carcinogen					
Arsenic (µg/L)	0.05	1.3	1.2	0.8	2.0
Secondary					
pH (SU)	6.5-8.5	NE	6.08	6.21	NE

NE Not Exceeded

The 2024 analytical data indicate that elevated concentrations of arsenic tended to be widespread, with exceedances of the water quality standards occurring in each of the perched aquifer wells sampled.

5.2. Upper Regional Aquifer

The upper regional aquifer monitoring well network comprises Wells B-1, B-2, B-3, B-4, B-5, B-10, and B-12. Seven wells were found to exceed state groundwater standards (Chapter 173-200 WAC) for at least one sampling event during 2024 in the upper regional aquifer (Table 4).

Table 4. Summary of Maximum Concentrations of Analytes Exceeding Groundwater Quality Standards in Upper Regional Aquifer Wells: 2024

Contaminant	GW Quality Standards (173-200 WAC)	Maximum Concentration Detected						
		B-1	B-2	B-3	B-4	B-5	B-10	B-12
Carcinogen								
Acrylonitrile (µg/L)		NE	NE	NE	NE	NE	NE	0.101
Arsenic, (µg/L)	0.05	42.1	0.9	3.5	2.7	6.8	1.7	4.3
Vinyl chloride (µg/L)	0.02	NE	NE	0.11	NE	0.088	NE	NE
Secondary								
Iron, dissolved (µg/L)	300	3,210	NE	9,050	4,790	30,000	1,650	760
Manganese, dissolved (µg/L)	50	9,990	NE	997	1,190	1,690	452	79
pH (standard units)	6.5-8.5	6.4	NE	6.45	6.13	6.29	NE	NE
Total dissolved solids (mg/L)	500	592	NE	NE	558	NE	NE	NE

NE: Not exceeded

The 2024 analytical data for the upper regional aquifer show areal distribution trends that are somewhat similar to those observed in the perched aquifer. Elevated concentrations of metals tended to be widespread, with exceedances of water quality standards for arsenic, iron, and manganese occurring in almost all of the upper regional aquifer wells. Vinyl chloride concentrations tended to be more localized in the upper regional aquifer in 2024, with water quality standards exceeded in only two wells (B-3 and B-5), which are located in the northwestern and western margins of the landfill. There was one instance of acrylonitrile detection and exceedance in B-12; however, acrylonitrile was also detected in the associated trip blank, indicating a likely erroneous result (indicated in the method blank section of lab report 24-18096).

In general, concentrations of all analytes tended to be lower in upgradient wells (B-1, B-10, and B-12) and higher in downgradient wells (B-2, B-3, B-4, and B-5), as would be expected. VOCs were not detected above PQLs in either well B-1, B-2, B-4, B-10, or B-12, during any of the 2024 monitoring events, with the exception of the dubious acrylonitrile result.

5.3. Trend Plots

A review of analyte trends over the past twenty-eight years in the time-series plots (Appendix A-2 and B-2) shows that water quality within both the perched aquifer and the regional aquifer has improved markedly from conditions observed in 1994. Some analytes are still above groundwater quality standards, but those may also indicate background conditions instead of landfill impact (dissolved arsenic and iron). Many analytes tend to show seasonal variability, but overall the general trend shows decreasing concentrations.

5.4. Domestic Wells

No domestic wells were sampled in 2024. Domestic wells located to the southwest and southeast of the landfill site have been sampled previously. The results of these analyses were presented in earlier annual reports. Refer to those reports for a discussion of domestic well results.

6.0 STATISTICAL EVALUATION OF GROUNDWATER RESULTS

Statistical analysis of groundwater monitoring data from the Inman Landfill is conducted using Microsoft Excel and Sanitas (v.9.6.37) or equivalent software in accordance with the EPA guidance document (EPA 2009). Statistical analysis is conducted using data from the entire monitoring period (1994-2024) unless otherwise noted.

6.1. Piper Diagrams

Piper diagrams are a graphical display of the proportions of the major cations and anions in a sample. Piper diagrams are constructed by plotting the proportions of the major cations (calcium, magnesium, sodium and potassium) on one triangular diagram, the proportions of the major anions (alkalinity, chloride, sulfate) on another, and then combining the information from the two triangular plots onto a quadrilateral plot (Drever 2002). A piper diagram was created using the data from each quarterly monitoring event in 2024 for both the perched aquifer (Appendix D-1) and the upper regional aquifer (Appendix E-1).

6.1.1. Perched Aquifer

The piper diagrams indicate that all the monitoring wells in the perched aquifer have similar chemical signatures. The results also show that general chemistry of the perched aquifer does not significantly change throughout the year.

6.1.2. Regional Aquifer

The piper diagrams indicate that the monitoring wells in the regional aquifer have mostly similar chemical signatures. Wells B-2, B-4, and B-5 do appear to each have their own slightly different chemical signature that varies from the rest of the monitoring wells. The results also indicate that the general chemistry of the upper regional aquifer does not significantly change throughout the year.

6.2. Stiff Diagrams

A stiff diagram is another graphical representation of the major ion composition of a water analysis. A polygonal shape is created from three horizontal axes extending on either side of a vertical axis. The three major anions are plotted to the right of the center axis and the three major cations are plotted to the left of the center axis. The points are connected to create the polygonal shape. The larger the area of the polygonal shape, the greater the concentrations of the analytes (Drever 2002). Stiff diagrams were produced for every well with the data from each quarterly monitoring event in 2024 for both the perched (Appendix D-2) and upper regional (Appendix E-2) aquifers.

6.2.1. Perched Aquifer

The polygons produced at each well are similar to each other in shape, but do vary in overall size. The polygon shapes and sizes remain similar for each quarterly monitoring event.

6.2.2. Upper Regional Aquifer

Generally, the polygons produced at each well are similar to each other, and are similar for each quarterly monitoring event. Wells B-1 and B-4 have the largest polygonal shapes, which indicates that these wells have the greatest concentration of analytes.

6.3. Cation-Anion Balance

Cation-anion balance is the ratio of cations to anions within the water sample. Since water samples are electrically neutral, the sum of the cations should equal the sum of the anions. The cations are magnesium, calcium, sodium and potassium. The anions are sulfate, chloride, carbonate and bicarbonate. The ratio would be determined as:

Ratio = (sum of cations)/(sum of anions)*100%

Since water is electrically neutral, we would expect the ratio to be 1 or 100%. The cation-anion balance was calculated for the monitoring wells in each aquifer during every quarterly monitoring event of 2024. The results are displayed on the quarterly piper diagrams in Appendix D-1 and Appendix E-1.

The cation-anion balances calculated for each quarterly monitoring event in the perched aquifer are 36.54%, 40.93%, and 35.81%, respectively (Appendix D-1). The cation-anion balances calculated for each quarterly monitoring event in the upper regional aquifer are 37.56%, 39.36%, 49.32%, and 36.13% respectively (Appendix E-1). These results indicate that there are more anions than cations in the results. There could be a couple of reasons for this ratio imbalance. One is the fact that some analyte values are for dissolved metals and some analyte values are for total metals. Another reason could be that not all species were analyzed in the water sample, and therefore were not included in the cation-anion balance. The most common species were analyzed, but there could be less common species present in the water that were not included in the calculation.

6.4. Box Plots

Box plots are useful in providing a visual display of the distribution of a data set (EPA 2009). The central box of the plot shows the interquartile range from the 25^{th} to the 75^{th} percentiles. A line (whisker) is drawn to the minimum and maximum values from the 25^{th} and 75^{th} percentiles, respectively. The 50^{th} percentile is drawn within the box. The mean value of the data set is plotted within the box as a separate mark. Significantly staggered boxes could be an indication of spatial variability.

Box-plots were created with data collected from 1994 through 2024. Thirty plots were created from the perched aquifer analytical results (Appendix D-3) and thirty-six plots were created from the upper regional aquifer analytical results (Appendix E-3). Box plots were not generated for parameters, particularly dissolved metals and VOCs, when the results were all or nearly all detected at levels below the laboratory practical quantitation limits.

The box plots were visually analyzed to see if there were significant differences between the wells (Table 5 & Table 6). A significant difference would be if one of the boxes in the plot did not overlap with any of the others. This significant difference could indicate that there are statistically different average concentrations between the wells.

6.4.1. Perched Aquifer

Ten out of the thirty analytes plotted had wells with statistically different average concentrations (Table 5). Out of the ten analytes (alkalinity, bicarbonate, total calcium, COD, magnesium, nitrate as nitrogen, potassium, TDS and total sodium) the values measured in B-8 were higher. These results indicate that B-8 shows the most impacts from the landfill.

Table 5. Summary of Box Plot Visual Analysis in Perched Aquifer Wells: 2024

Significantly Staggered Analyte	Distribution of Boxes
Alkalinity	B-8 is higher
Bicarbonate	B-6 and B-8 are higher
Calcium, total	B-6 and B-8 are higher
Chemical oxygen demand (COD)	B-8 is higher
Bicarbonate	B-8 is higher
Magnesium, total	B-8 is higher
Nitrate-N	B-6 and B-11 are higher
Potassium	B-8 is higher
Total dissolved solids (TDS)	B-6 and B-8 are higher
Sodium, total	B-8 is higher

6.4.2. Upper Regional Aquifer

Sixteen out of the thirty-six analytes plotted had wells with statistically different average concentrations (Table 6). In six out of sixteen analytes (alkalinity, bicarbonate, Freon-22, magnesium, manganese, and TDS) the values measured in B-4 were significantly higher than the values measured in the rest of the wells. In three out of the sixteen analytes (CFC-12, nitrate-N, and potassium), the values measured in B-2 were significantly higher than the values measured in the rest of the wells. B-1 was significantly higher in one analyte (dissolved arsenic), and B-5 was significantly higher in five analytes (1,4-dioxane, COD, dissolved iron, dissolved nickel, and vinyl chloride). Wells B-3 and B-5 were both significantly higher in diethyl ether than the other wells. Wells B-4 and B-5 were both significantly higher in dissolved manganese than the other wells.

These results indicate that the B-2, B-4, and B-5 have the highest concentrations of inorganic and organic analytes. B-1 and B-3 were both significantly higher in one analyte each. B-10 and B-12 were not significantly higher in any analyte in the upper regional aquifer.

Table 6. Summary of Box Plot Visual Analysis in Upper Regional Aquifer Wells: 2024

Significantly Staggered Analyte	Distribution of Boxes
1,4-dioxane	B-5 is higher
Alkalinity	B-4 is higher
Arsenic, dissolved	B-1 is higher
Bicarbonate	B-4 is higher
Chemical Oxygen Demand	B-5 is higher
Chlorodifluoromethane (Freon 22)	B-4 is higher
Dichlorodifluoromethane (CFC-12)	B-2 is higher
Diethyl ether	B-3 and B-5 are higher
Iron, dissolved	B-5 is higher
Magnesium, total	B-4 is higher
Manganese, dissolved	B-4 and B-5 are higher
Nickel	B-5 is higher
Nitrate-N	B-2 is higher
Potassium, total	B-2 is higher
Total dissolved solids	B-4 is higher
Vinyl Chloride	B-5 is higher

6.5. Mann-Kendall Trend Test

The presence of significant increasing or decreasing trends was determined using the Mann-Kendall test. The Mann-Kendall test evaluates possible trends by comparing random pairs of data within the data set. The test statistic will increase if the later value is greater than the earlier value, and decrease if the later value is less than the earlier value. After the test statistic is determined, the Z-score is calculated from the test statistic. The farther the Z-score is from zero, the more significant the trend (EPA 2009).

A Mann-Kendall test was run on each well in every long-term time-series plot, however, significant trends were examined for the four active perched aquifer wells B-6, B-8, B-9, and B-11. The Mann-Kendall results show the slope of the trend, the Z-score, the critical threshold of significance for the Z-score, and if the Z-score is significant at the 98% confidence interval. Each analyte concentration is tested. Mann-Kendall long-term trend test results for the perched and upper regional aquifers are included in Appendix D-4 and E-4, respectively. Mann-Kendall short-term trend test results for the perched and upper regional aquifers are included in Appendix D-5 and E-5, respectively. A positive slope indicates an increasing trend, and a negative slope indicates a decreasing trend. Some results state the presence of a statistically significant increasing or decreasing trend in the data, but there were either no or very few actual detections within the data set. These trends are not considered statistically significant since they are the result of a change in laboratory detection limit of the analyte, and not an actual change in detected concentrations.

6.5.1. Perched Aquifer

Overall, the Mann-Kendall results indicate that every well shows stabilizing conditions in water quality (Table 7). Most of the statistically significant decreasing trends have been found in the long-term data set. Nitrate as nitrogen has shown a significant increasing in the long-term trend in the long-term data set in B-6 and B-9. However, this parameter has never exceeded the groundwater quality criteria for

Nitrate at B-6 or B-9. There is a significant increasing long-term trend of dissolved nickel at B-6 and B-11; however, these values are slightly above the PQL. Additionally, pH has shown a significant increasing trend in the long-term data set in B-6 and B-9. PH values for these two wells have been historically low. The only apparent significant short-term in the perched aquifer is an increasing trend for bicarbonate.

Table 7. Mann-Kendall Significant Trends: Perched Aquifer

Well	Analytes with Decreasing trends		Analytes with Increasing trends
B-6	Antimony, dissolved Ammonia-N Arsenic, dissolved Alkalinity Barium, dissolved Bicarbonate Cadmium, dissolved Calcium, total Chemical oxygen demand Cobalt, dissolved Copper, dissolved	Magnesium, total Manganese, dissolved Selenium, dissolved Sodium, total Specific conductance Sulfate Total Dissolved Solids (TDS) Total organic carbon (TOC) Vanadium, dissolved Zinc, dissolved	Nickel, dissolved Nitrate-N pH
B-8	Antimony, dissolved Arsenic, dissolved Calcium, total Cadmium, dissolved Chloride Chromium, dissolved Copper, dissolved	Lead, dissolved Nickel, dissolved Selenium, dissolved Sodium, total Specific conductance Sulfate Vanadium, dissolved Zinc, dissolved	
B-9	Alkalinity Antimony, dissolved Ammonia-N Arsenic, dissolved Barium, dissolved Bicarbonate Cadmium, dissolved Calcium, total Chloride Chromium, dissolved Cobalt, dissolved Copper, dissolved	Magnesium, total Manganese, dissolved Potassium Selenium, dissolved Sodium, total Specific conductance Sulfate TDS TOC Vanadium, dissolved Zinc, dissolved	Nitrate-N pH *Bicarbonate*
B-11	Ammonia-N Cadmium, dissolved Calcium, total Chloride Chromium, dissolved Copper, dissolved Lead, dissolved Manganese, dissolved	Selenium, dissolved Sodium, total Specific conductance Sulfate TOC Vanadium, dissolved Zinc, dissolved	Nickel, dissolved

Regular text denotes a long-term trend only
Bold text denotes both a long-term and short-term trend
Italicized text denotes a short-term trend only

6.5.2. Upper Regional Aquifer

Statistically significant long-term and short-term trends discerned from the upper regional aquifer data indicate that Wells B-2, B-3, and B-4 show the most long-term decreasing concentration trends for landfill analytes during the long-term monitoring period (Table 8). Wells B-1, B-5, B-10, and B-12 show the most increasing concentration trends, in both the long-term and short-term data sets. These increasing trends are all inorganic analytes, except for Freon-22 in Wells B-1, B-2, and B-10, and 1,4-dioxane in Well B-5. The majority of trends, both increasing and decreasing, are shown to be long term. Wells B-4 and B-12 show the highest number of short-term trends, with most of B-4's short term trends decreasing and most of B-12's short term trends increasing.

Table 8. Mann-Kendall Significant Trends: Upper Regional Aquifer

Well	Analytes with Decreasing trends		Analytes with Increasing trends	
B-1	*Ammonia-N* Cadmium, dissolved Copper, dissolved CFC-12 Lead, dissolved Nitrate-N Vanadium, dissolved Zinc, dissolved		Alkalinity Ammonia-N Barium, dissolved Bicarbonate Calcium, total Cobalt, dissolved COD Chloride Freon 22 Iron, dissolved Magnesium, total	Manganese, dissolved Nickel, dissolved Potassium, total Specific conductance Sodium, total Sulfate TDS TOC
B-2	1,4-dioxane Ammonia -N Antimony, dissolved Arsenic, dissolved Barium, dissolved Cadmium, dissolved Calcium, total Chloride Chromium, dissolved Cobalt, dissolved Copper, dissolved CFC-12 Iron, dissolved Lead, dissolved	Manganese, dissolved Nickel, dissolved *Potassium, total* Selenium, dissolved Sodium, total Specific conductance **Sulfate** TDS TOC Vanadium, dissolved Vinyl chloride Zinc, dissolved	*Freon 22* *Cobalt, dissolved*	
B-3	Arsenic, dissolved Cadmium, dissolved Calcium, total Chloride Chromium, dissolved Cobalt, dissolved Copper, dissolved CFC-12 Diethyl ether Iron, dissolved Lead, dissolved Manganese, dissolved	Selenium, dissolved Sodium, total Specific conductance TOC Vanadium, dissolved Zinc, dissolved	pH	

Regular text denotes a long-term trend only
Bold text denotes both a long-term and short-term trend
Italicized text denotes a short-term trend only

Table 8. Mann-Kendall Significant Trends: Upper Regional Aquifer (cont).

Well	Analytes with Decreasing trends		Analytes with Increasing trends	
B-4	1,4-dioxane **Alkalinity** Antimony, dissolved Arsenic, dissolved **Barium, dissolved** **Bicarbonate** Cadmium, dissolved *Calcium, total* *Chloride* Chromium, dissolved Cobalt, dissolved Copper, dissolved **Magnesium, total** Nitrate-N pH	Potassium, total Selenium, dissolved *Specific conductance* *Sulfate* TDS Vanadium, dissolved Zinc, dissolved	Ammonia-N Calcium, total Chloride COD Iron, dissolved	Specific conductance Sulfate TOC
B-5	Arsenic, dissolved Cadmium, dissolved Chromium, dissolved Copper, dissolved CFC-12 **Diethyl ether** Freon 22 Lead, dissolved Manganese, dissolved	Vanadium, dissolved Vinyl chloride Zinc, dissolved	1,4-dioxane *Ammonia-N* Calcium, total Cobalt, dissolved Chloride COD	Potassium, total Specific conductance Sodium, total TOC
B-10	1,4-dioxane Alkalinity *Antimony, dissolved* Arsenic, dissolved Barium, dissolved Bicarbonate Cadmium, dissolved, Cobalt, dissolved, Copper, dissolved CFC-12 Lead, dissolved	Magnesium, total Nitrate-N Selenium, dissolved TDS *TOC* Vanadium, dissolved Zinc, dissolved	Calcium, total COD *Freon 22* Iron, dissolved Manganese, dissolved Sodium, total Specific conductance Sulfate TOC	
B-12	1,4-dioxane Arsenic, dissolved Cadmium, dissolved Freon 22 Cobalt, dissolved Copper, dissolved CFC-12 Lead, dissolved	Manganese, dissolved Mercury, dissolved Nitrate-N Selenium, dissolved Zinc, dissolved	**Alkalinity** Ammonia-N Barium, dissolved **Bicarbonate** **Calcium, total** **Chloride** *Cobalt, dissolved* COD Iron, dissolved **Magnesium, total**	Potassium, total **Sodium, total** pH **Specific conductance** **Sulfate** **TDS**

Regular text denotes a long-term trend only

Bold text denotes both a long-term and short-term trend

Italicized text denotes a short-term trend only

7.0 LANDFILL GAS EXTRACTION AND MONITORING ACTIVITIES

To alleviate the accumulation of methane beneath the landfill cap and to control off-site methane migration, Inman Landfill has a LFG extraction system consisting of 27 wells and trenches (Figure 8). The landfill also contains perimeter LFG monitoring probes to monitor for off-site migration of LFG.

7.1. LFG Extraction System Operation

The LFG system was not operated during 2024 due to low methane levels within the landfill and over-capacity of the current equipment configuration of the system.

7.2. Perimeter Monitoring

Section (2)(b)(i) of Chapter 173-304-460 WAC specifies minimum functional air quality standards for landfills. These standards limit the concentration of explosive gases at the property boundary to the lower explosive limit (LEL) for that gas. For methane, the LEL occurs at a concentration of approximately 5 percent by volume. To monitor for potential exceedance of this standard, concentrations of methane and associated landfill gases (oxygen and carbon dioxide) are measured in 10 nested perimeter LFG monitoring probe sets that include a total of 24 individual probes. Measurements of LFG concentrations in perimeter monitoring probes were conducted during every quarterly monitoring event in 2024. The results of these measurements are presented in Table D-1 located in Appendix D.

The LFG probes are located on all sides of the landfill perimeter as depicted in Figure 9. Some of the probes are co-located with groundwater monitoring wells (Wells B-6, B-7, B-9, B-11, and B-13) and some are stand-alone probes (Probes GDW-1, GDW-2, GDW-3, GDW-5, GP-6, and GP-7). The depths of the screened intervals of the probes vary from 7 to 87 feet below ground surface (Table F-1). For assessment purposes, methane concentrations measured in each probe were compared to the methane air quality standard of 5 percent methane by volume.

Comparisons of the methane results to the air quality standard shows that there were no detections of methane exceeding the LEL in 2024. The only probe in which methane was detected in any quantity was GDW-1. Historically, methane has been detected in GDW-1 and B-13 at concentrations above the LEL. Probe set GDW-1 is located near the southeastern corner of the Inman Landfill site. The properties adjacent to the east and south of the landfill are vacant. Currently, subsurface methane concentrations in this area do not appear to present an immediate risk to the public. The highest methane concentration measured in 2024 was 3.6% in the shallow probe of GDW-1 during the second quarter monitoring event.

8.0 INSPECTIONS

Inspections were conducted in conjunction with quarterly groundwater monitoring in 2024.

9.0 SUMMARY AND CONCLUSIONS

Inman Landfill closed in 1994. Post-closure activities have been on-going since closure was completed in 1995. These activities include: leachate collection and disposal, LFG collection, perimeter groundwater monitoring, subsurface LFG monitoring, surface water monitoring, and site maintenance. Groundwater monitoring activities include collection of groundwater samples from two aquifers: an unconfined perched aquifer and a confined upper regional aquifer. Monitoring data indicate that groundwater in the perched aquifer generally flows to the west and southwest, and the upper regional aquifer flows in a radial pattern toward the north, northeast, and east.

Assessment of groundwater monitoring results shows that several groundwater quality standards were exceeded at one or more monitoring wells in both aquifers during 2024. Standards exceeded include the WAC 173-200 carcinogen standards for dissolved arsenic, acrylonitrile, and vinyl chloride, and the WAC 173-200 secondary standards for iron, manganese, total dissolved solids, and pH. The single acrylonitrile detection in Well B-12 can likely be attributed to a lab error since the associated field blank for that sample also reported a comparable acrylonitrile detection.

Total arsenic, total iron, and total manganese were added to sampling parameters for the third and fourth quarter sampling events, in addition to the dissolved counterparts. Although total metal results were usually reported as being higher than those of the dissolved metals, in some cases dissolved metal amounts were reported at slightly higher values than the total metals. In each case, the higher amount was reported without distinction being made between dissolved or total metal results.

Only four of the original six perched aquifer wells had sufficient water to collect groundwater samples in 2024. These include B-6, B-8, B-9, and B-11. The four perched aquifer monitoring wells sampled during 2024 contained elevated concentrations of landfill-related analytes, specifically dissolved arsenic, relative to state standards. However, there has never been an exceedance of Nitrate parameter above the WAC-173-200 primary contaminant standard. No VOCs show any increasing trends. Out of all of the perched aquifer wells, most inorganic analytes show decreasing trends.

All wells screened in the upper regional aquifer sampled during 2024 contained elevated concentrations of landfill-related analytes relative to state standards. Exceedance of standards for metals also tended to be widespread, while exceedance of standards for VOCs also tended to be more localized, occurring in only two wells (B-3 and B-5). Five of these inorganic analytes (arsenic, iron, manganese, pH, and TDS) exceed regulatory limits. Significant VOC concentrations were limited to Wells B-3 and B-5; both wells exceeded regulatory limits for vinyl chloride during at least one monitoring event, and both wells had detections of diethyl ether (which has no regulatory limit) in amount lower than the lab PQL during at least one monitoring event. Well B-3 showed no increasing nor decreasing trend for vinyl chloride, while Well B-5 showed a long-term decreasing trend. Vinyl chloride was detected below State groundwater standards in Well B-2, which shows a long-term decreasing trend, but has not been detected over the regulatory limit since 2021.

1,4-dioxane was detected in amounts lower than the regulatory limit but above the lab PQL in B-5 for 3 monitoring events, where it shows a long-term increasing trend. 1,4-dioxane was also detected below the laboratory PQL in well B-1 for all monitoring events, with no increasing or decreasing trend. One VOC, Chlorodifluoromethane (Freon 22), shows an increasing long-term trend at wells B-1, B-2, and B-10; however, Freon 22 has no regulatory limit. VOCs were not detected above laboratory PQLs in Wells

B-10 and B-12 during 2024 (aside from the dubious acrylonitrile result). This VOC distribution is consistent with the regional groundwater flow characteristics for this aquifer.

Although apparent impacts from the landfill continue within both aquifers, most of the time-series plots show decreasing concentration trends in most wells, indicating that groundwater quality in the vicinity of the landfill has stabilized. Decreasing trends were most apparent in wells completed within the perched aquifer, which historically has shown the highest degree of impact. However, there are some increasing trends in the regional aquifer which could indicate continued impact to the groundwater quality below the landfill. Improvements to groundwater quality underlying the site appear to be directly attributable to several specific corrective actions conducted at suspected groundwater contaminant sources during general closure activities conducted in 1994 and 1995. These corrective actions included:

- Recapping the old, unlined (Phase I) portion of the landfill which reduced the amount of precipitation infiltrating the landfill, and consequently the amount of leachate entering groundwater.
- Eliminating leachate seeps that allowed leachate to enter into the drainage system.
- Improving the old infiltration basin and constructing a new infiltration basin.
- Relining the pre-treatment leachate pond and pump station.
- Constructing and operating an active LFG extraction system that reduced the potential for VOCs to enter groundwater via partitioning.
- Making other drainage improvements which eliminated surface water run-on to the site and consequently reduced the amount of leachate generated.

In addition to these corrective actions, Skagit County connected several homes located southwest and southeast of the landfill to a public water system and subsequently abandoned their drinking water wells. Because of their location and well construction characteristics, these wells had the potential to be impacted by contaminants from the landfill. These connections have removed the threat of impacts to nearby drinking water sources.

The results of perimeter gas monitoring activities indicate that LFG gas production continues to attenuate.

10.0 RECOMMENDATIONS

The risk of potential impacts to domestic wells located southeast and southwest of the landfill has been eliminated due to their abandonment and the connection of the homes to a public water source. As a result of closure activities and the implementation of corrective actions, groundwater quality at the site has shown signs of significant stabilization.

Skagit County is recommending that the groundwater monitoring program be continued with the current list of analytes until sufficient data (a minimum of 8 consecutive quarters) regarding the presence of total arsenic, total iron, and total manganese has been gathered. Based on these results and trends in the stabilization of other COCs, the list of analytes, sampling schedule, and future requirements of groundwater monitoring at Inman Landfill should be re-evaluated at that time.

Perimeter gas monitoring results indicate LFG production continues to attenuate. Based on the capacity of the current system configuration, and decreasing levels of LFG measured over the last several years, future operation of the current active LFG extraction system is impractical. Skagit County is recommending that the LFG extraction piping system be modified to continuously and passively vent remaining concentrations of LFG at the site through bio-berms.

11.0 REFERENCES

Environmental Protection Agency. 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. EPA 530-R-09-007. March 2009.

Skagit County Public Works Department. 2010. Quality Assurance Project Plan. Appendix B of Post-Closure Operations and Maintenance Manual, Inman Landfill. February 2010.

Sweet, Edwards, and Associates, Inc. 1987. Inman Landfill Hydrogeology Investigation Phase II Report. January 16, 1987.

FIGURES

Figure 1. Inman Landfill Location Map

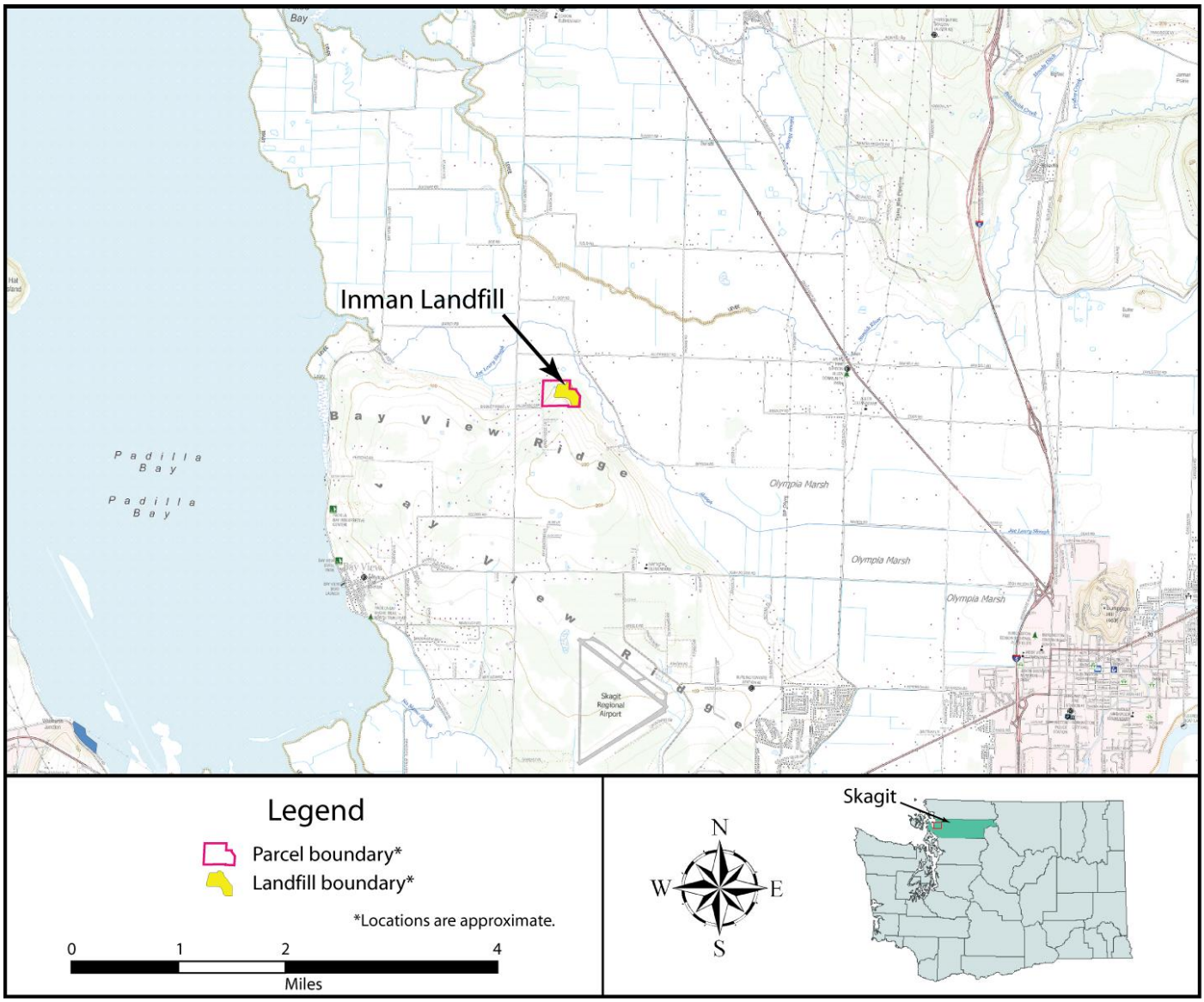


Figure 2. Annual Volume of Leachate Disposed.

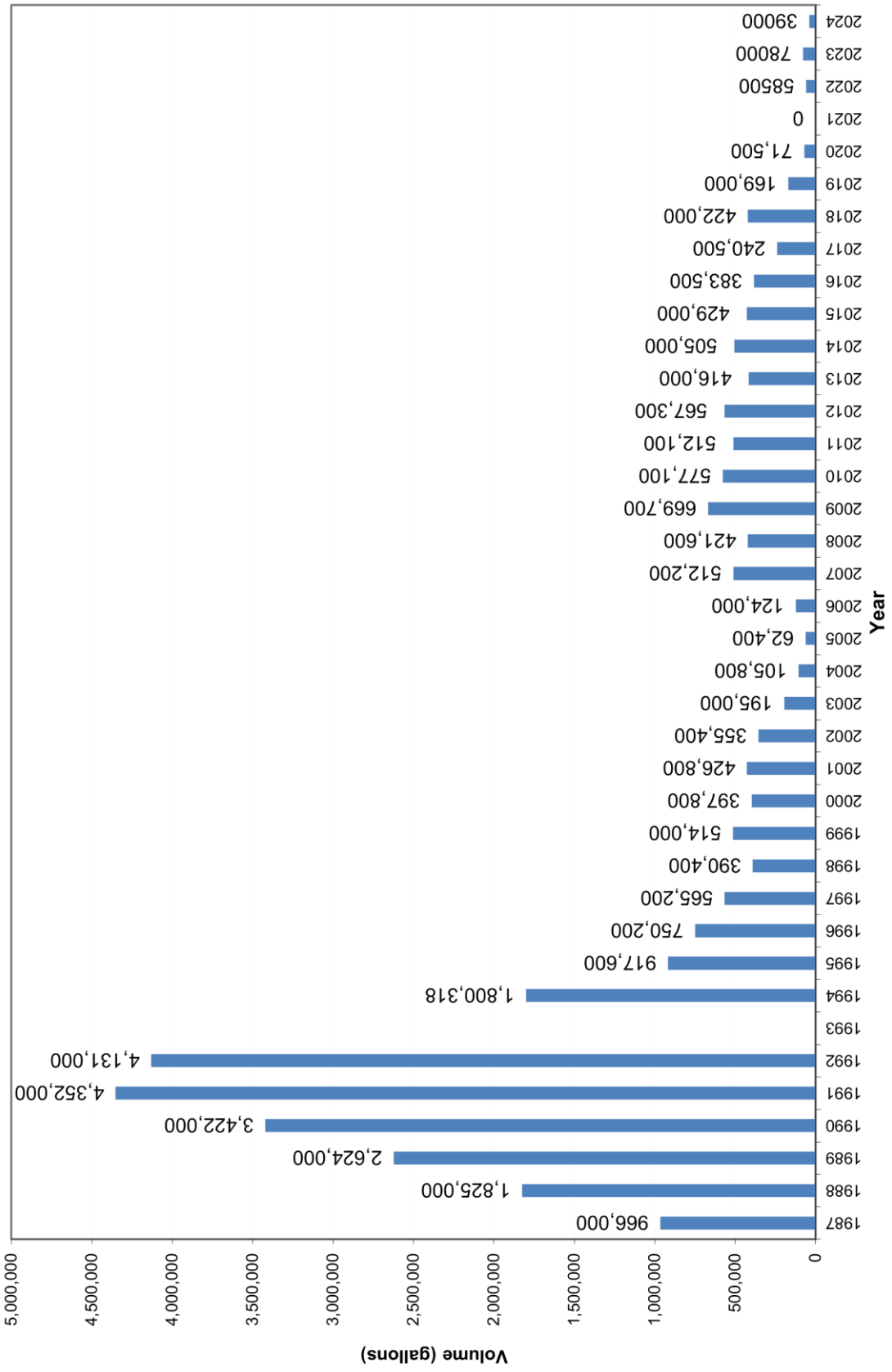
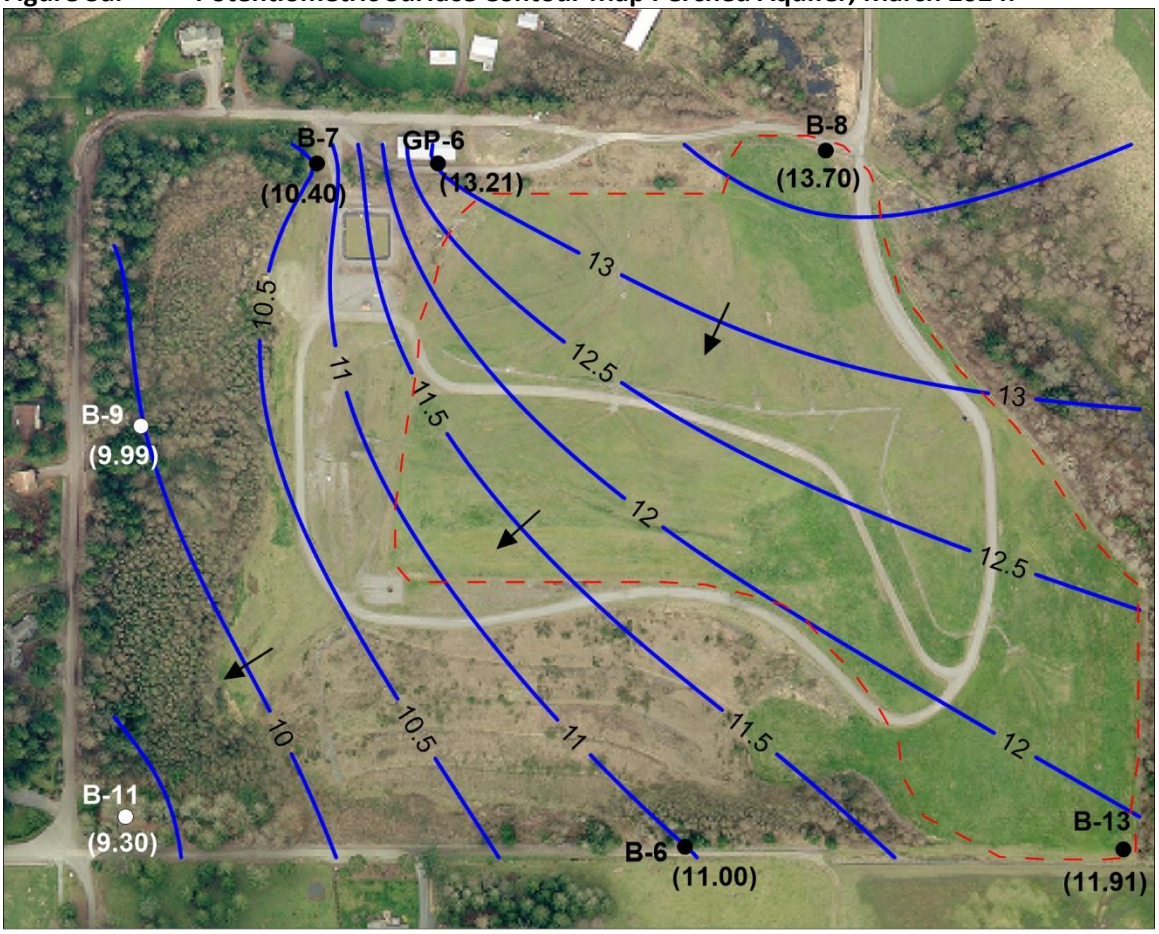


Figure 3. Perched Aquifer Monitoring Well Locations.



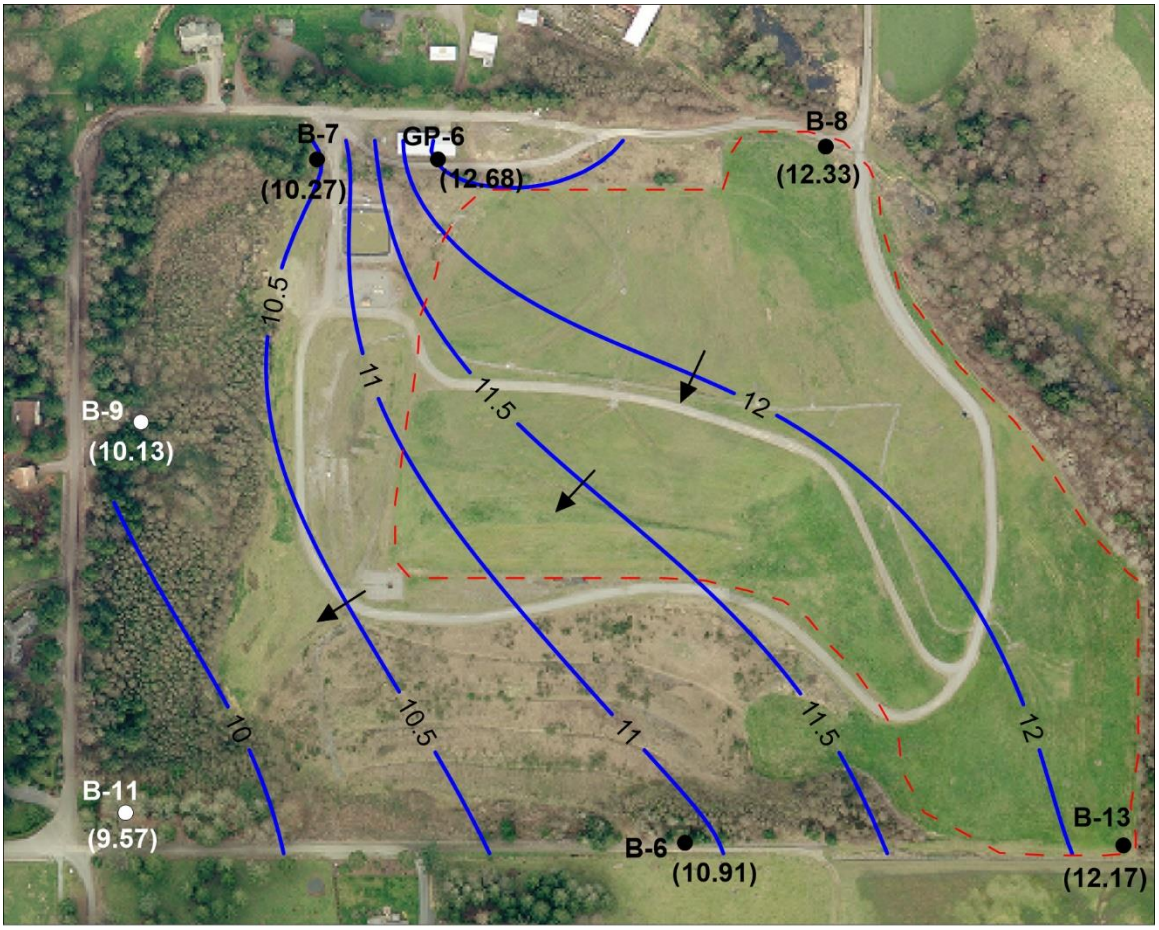
Figure 3a. Potentiometric Surface Contour Map Perched Aquifer, March 2024.



LEGEND

B-6	Monitoring Well
—12.5—	Potentiometric Surface Contour (feet above MSL)
↙	Direction of Groundwater Flow
(9.03)	Measured Static Water-Level Elevation (feet above MSL)
Not Measured	NM
– – –	Approximate Landfill Boundary

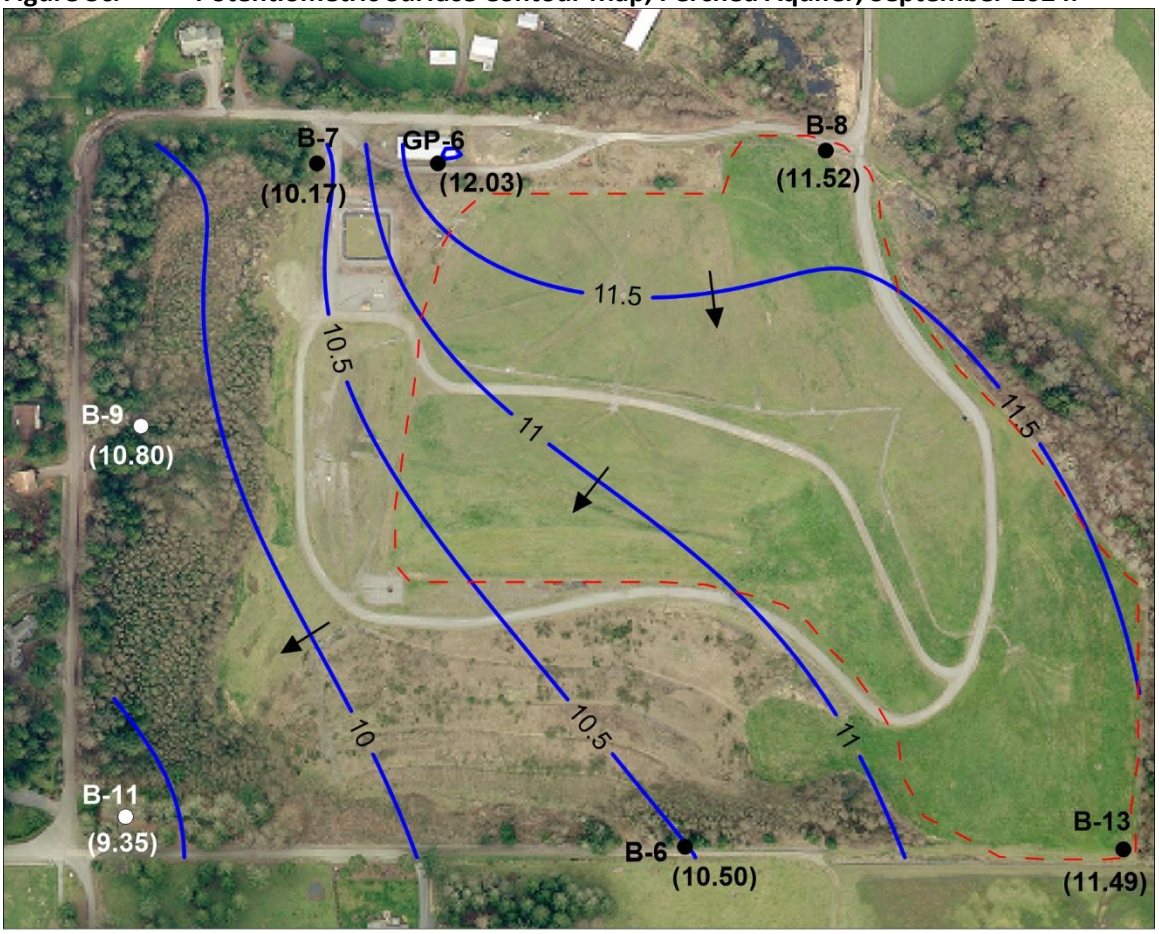
Figure 3b. Potentiometric Surface Contour Map, Perched Aquifer, June 2024.



LEGEND

B-6 ●	Monitoring Well
—12.5—	Potentiometric Surface Contour (feet above MSL)
↙	Direction of Groundwater Flow
(9.03)	Measured Static Water-Level Elevation (feet above MSL)
Not Measured	NM
– – –	Approximate Landfill Boundary

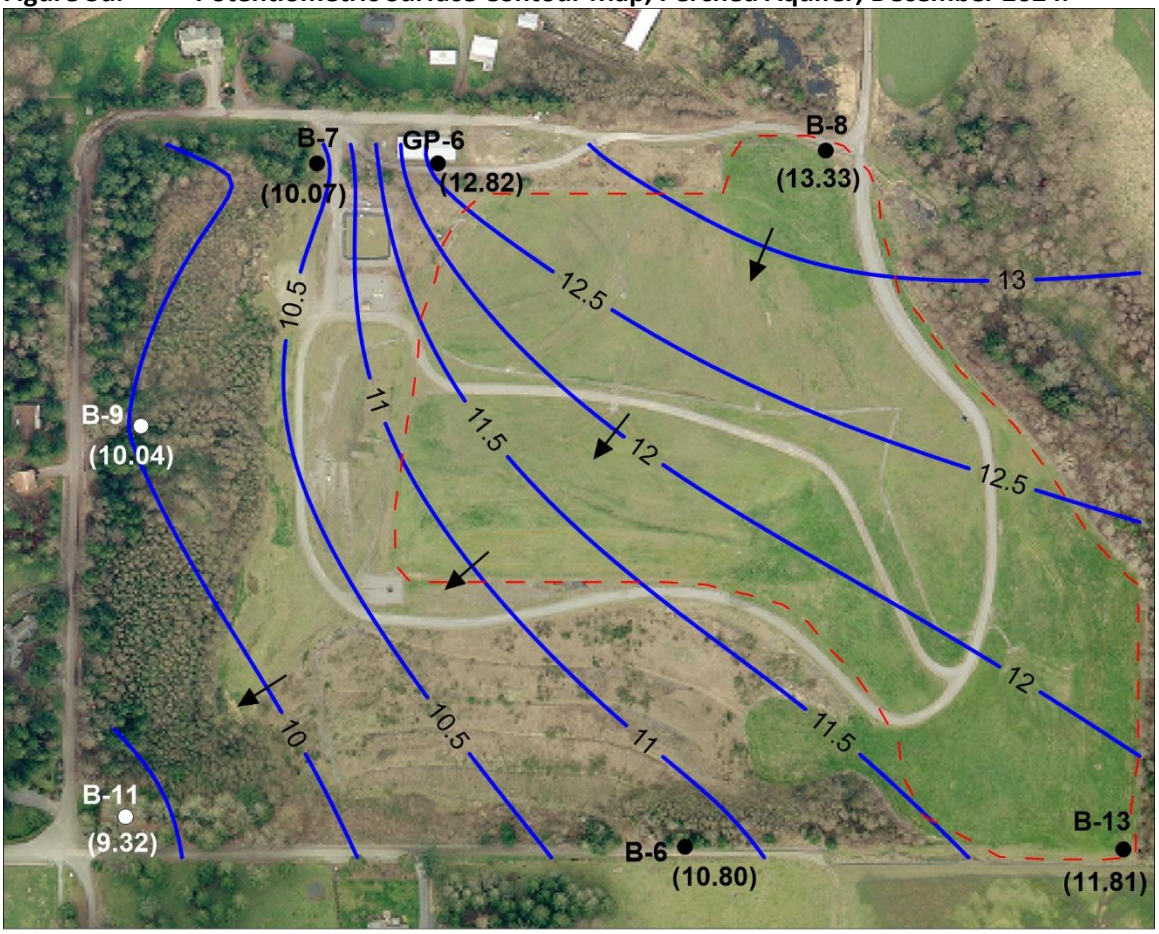
Figure 3c. Potentiometric Surface Contour Map, Perched Aquifer, September 2024.



LEGEND

B-6 ●	Monitoring Well
—12.5—	Potentiometric Surface Contour (feet above MSL)
↙	Direction of Groundwater Flow
(9.03)	Measured Static Water-Level Elevation (feet above MSL)
Not Measured	NM
– – –	Approximate Landfill Boundary

Figure 3d. Potentiometric Surface Contour Map, Perched Aquifer, December 2024.



LEGEND

B-6	Monitoring Well
—12.5—	Potentiometric Surface Contour (feet above MSL)
↙	Direction of Groundwater Flow
(9.03)	Measured Static Water-Level Elevation (feet above MSL)
Not Measured	NM
– – –	Approximate Landfill Boundary

Figure 4. **Regional Aquifer Monitoring Well Locations.**

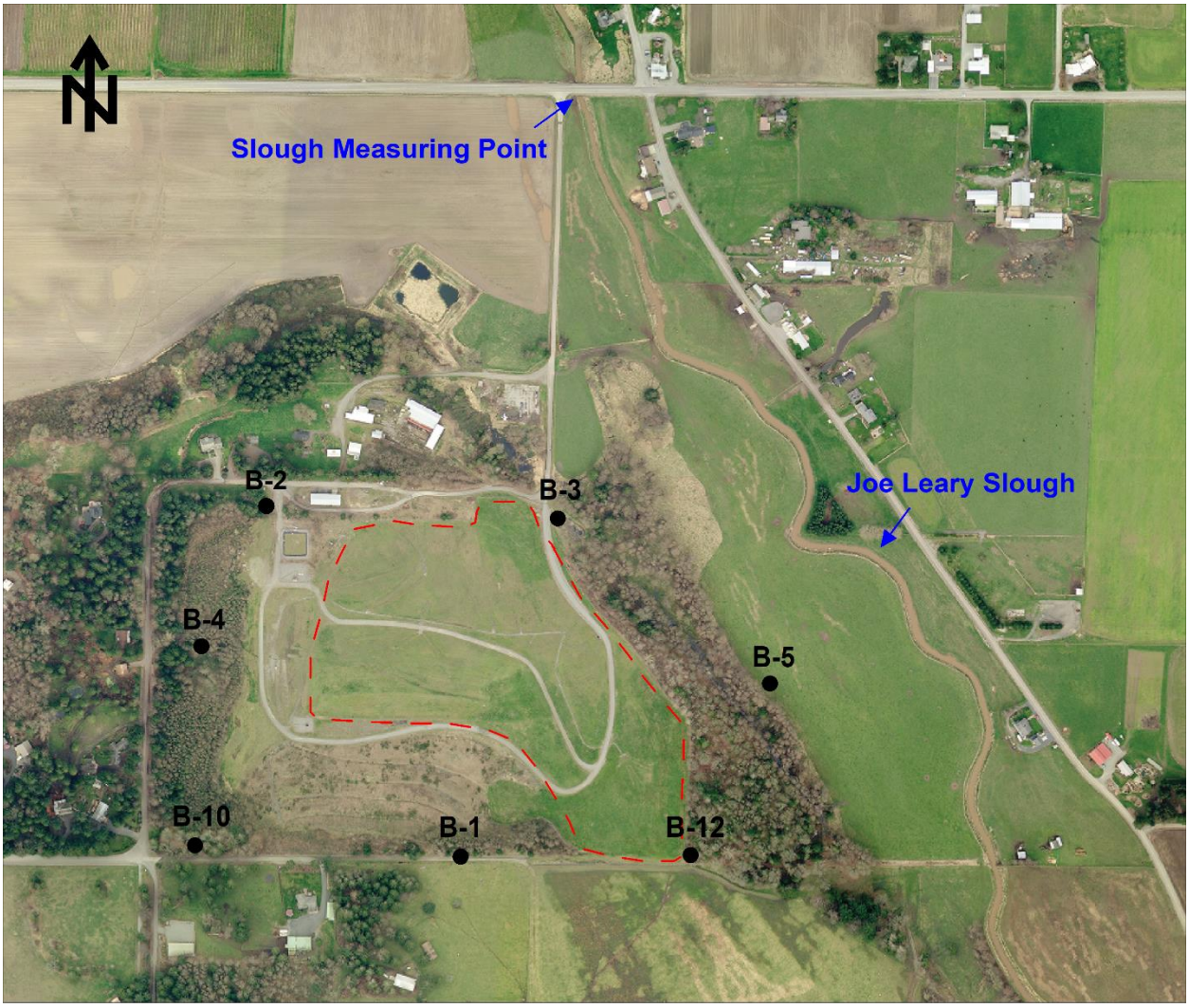
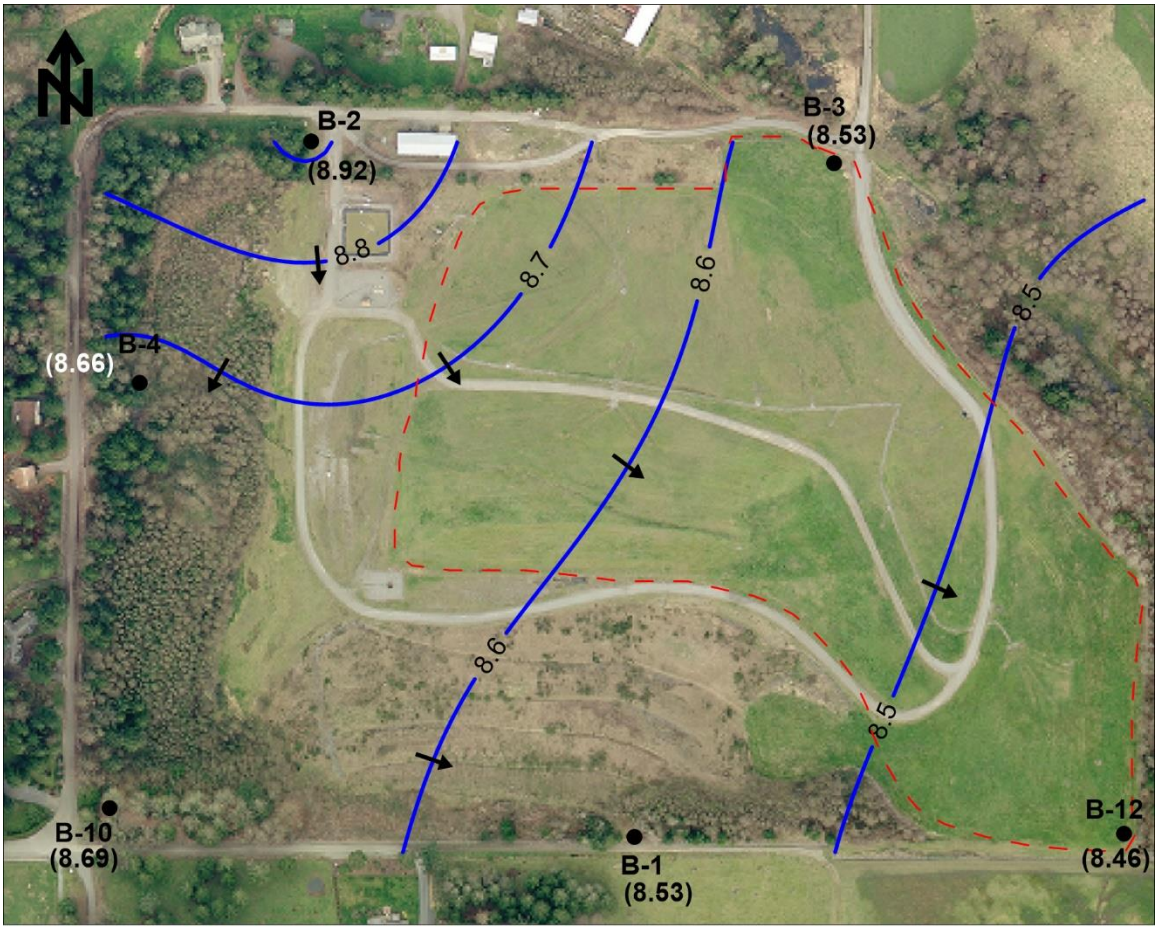


Figure 4a. Potentiometric Surface Contour, Central Landfill, Regional Aquifer, March 2024.



LEGEND

B-6 Monitoring Well

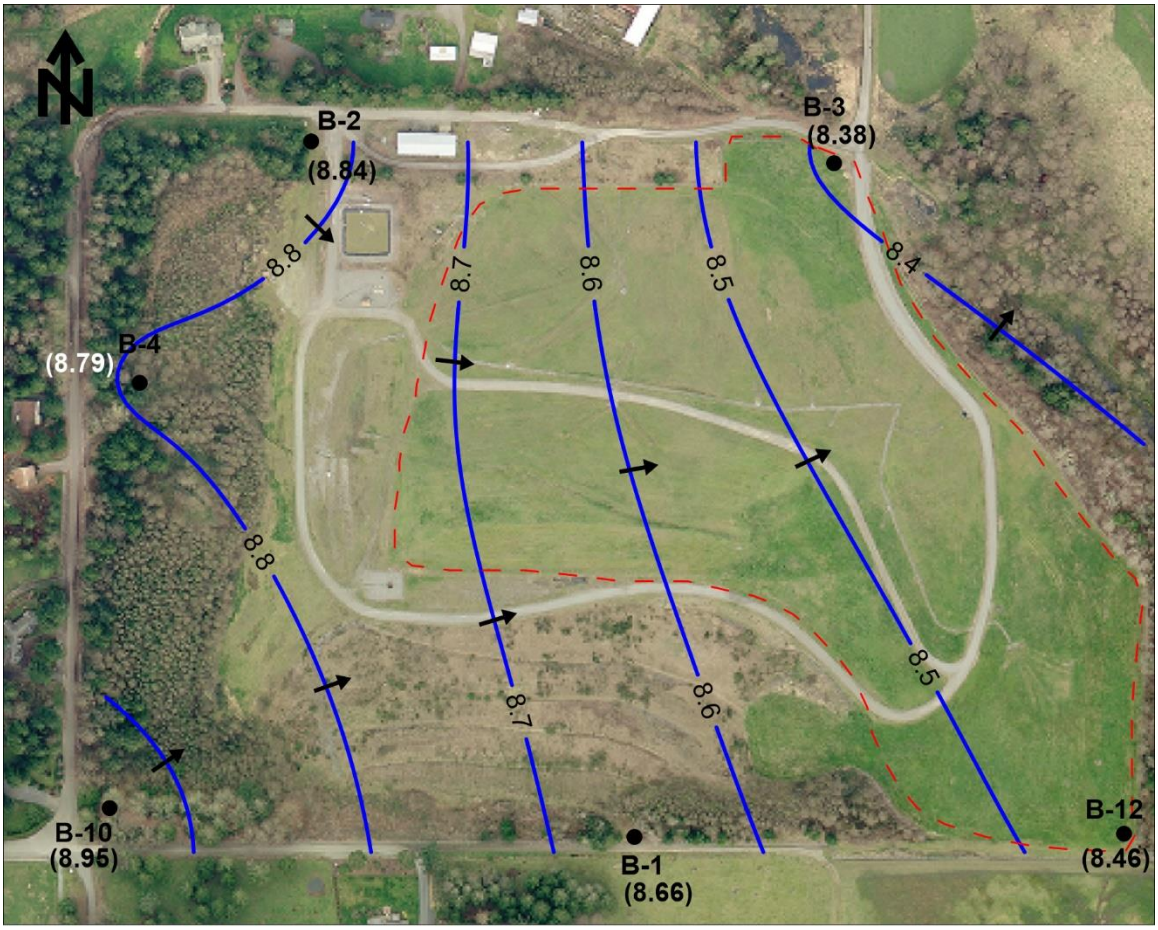
—8.2— Potentiometric Surface Contour (feet above MSL)

Direction of Groundwater Flow

(8.43) Measured Static Water-Level Elevation (feet above MSL)

Approximate Landfill Boundary

Figure 4b. Potentiometric Surface Contour, Central Landfill, Regional Aquifer, June 2024.



LEGEND

B-6 Monitoring Well

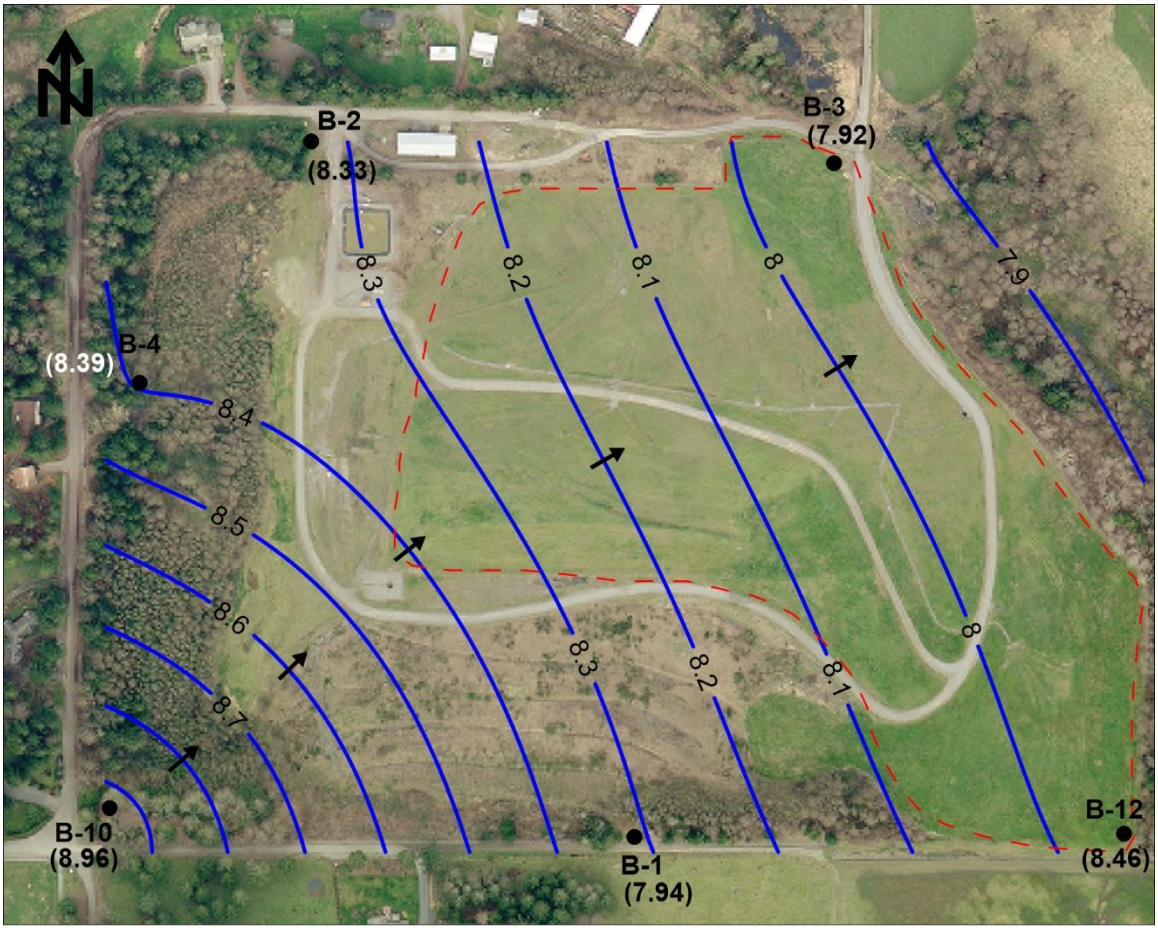
—8.2— Potentiometric Surface Contour (feet above MSL)

Direction of Groundwater Flow

(8.43) Measured Static Water-Level Elevation (feet above MSL)

Approximate Landfill Boundary

Figure 4c. Potentiometric Surface Contour, Central Landfill, Regional Aquifer, September 2024.



LEGEND

B-6 Monitoring Well

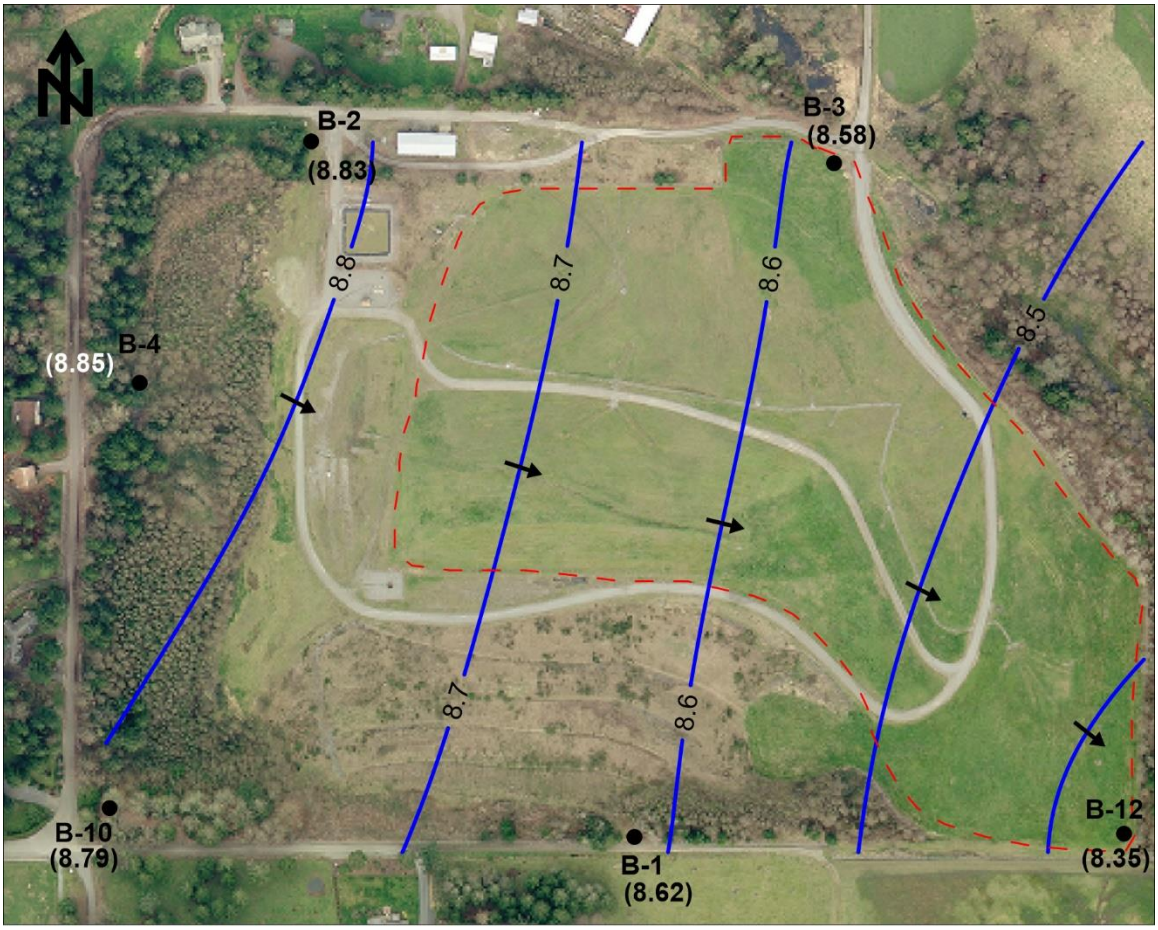
—8.2— Potentiometric Surface Contour (feet above MSL)

Direction of Groundwater Flow

(8.43) Measured Static Water-Level Elevation (feet above MSL)

Approximate Landfill Boundary

Figure 4d. Potentiometric Surface Contour, Central Landfill, Regional Aquifer, December 2024.



LEGEND

B-6 Monitoring Well

—8.2— Potentiometric Surface Contour (feet above MSL)

Direction of Groundwater Flow

(8.43) Measured Static Water-Level Elevation (feet above MSL)

Approximate Landfill Boundary

Figure 5. Perched Aquifer Hydrograph, 1994-2024

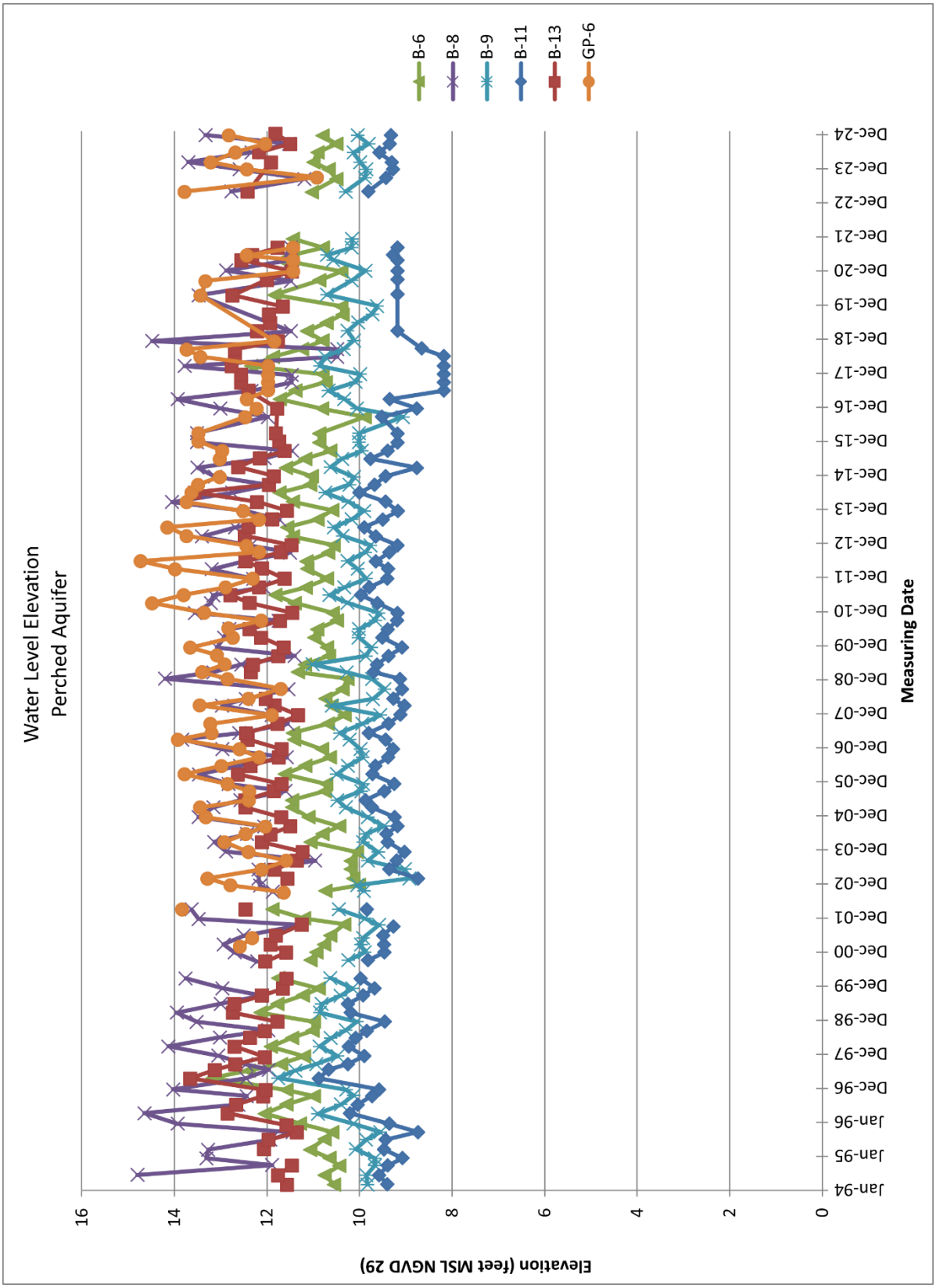


Figure 6. Regional Aquifer Hydrograph, 1994-2024

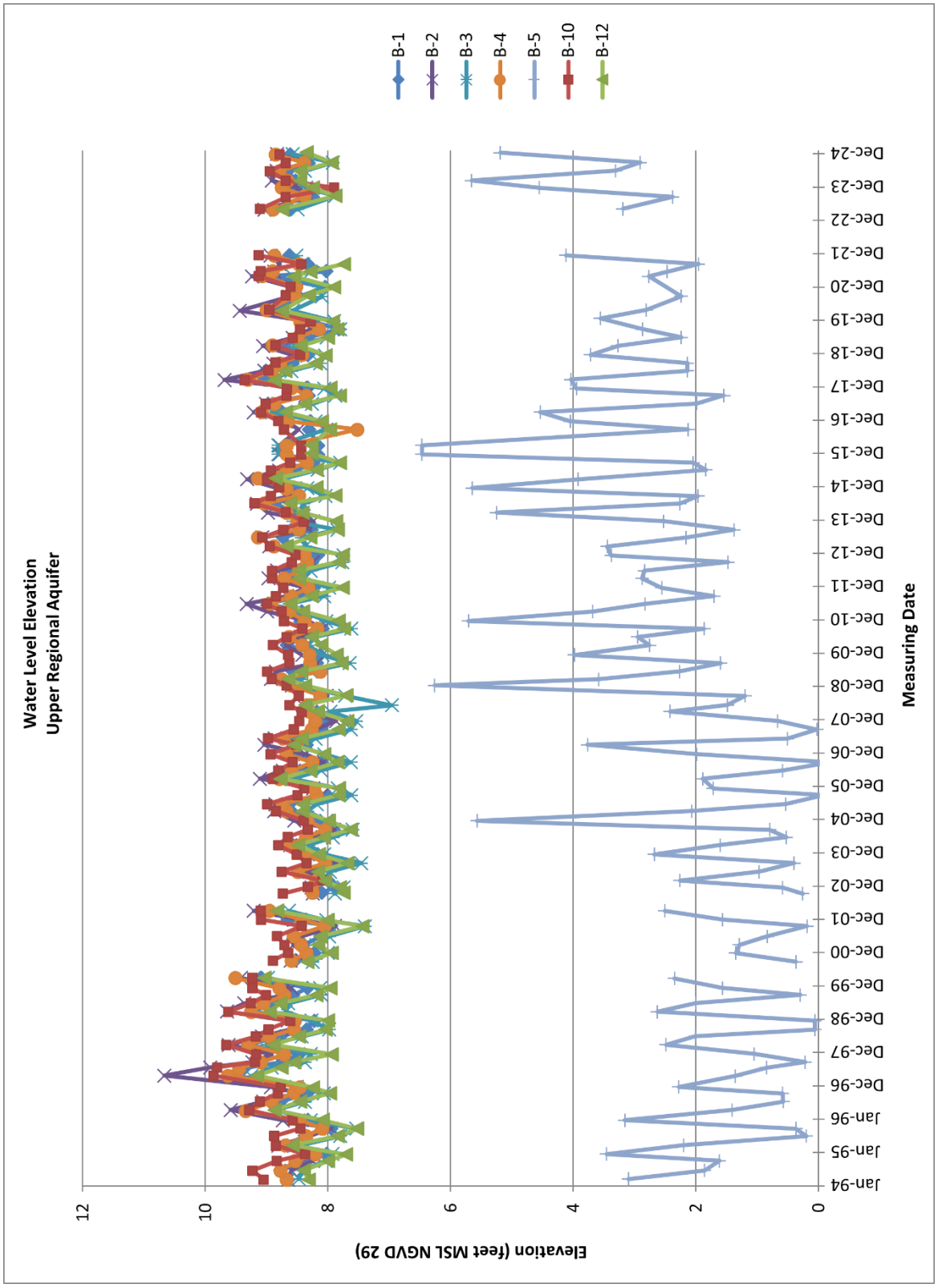


Figure 7a. Potentiometric Surface Contour Map, Regional Aquifer, March 2024.

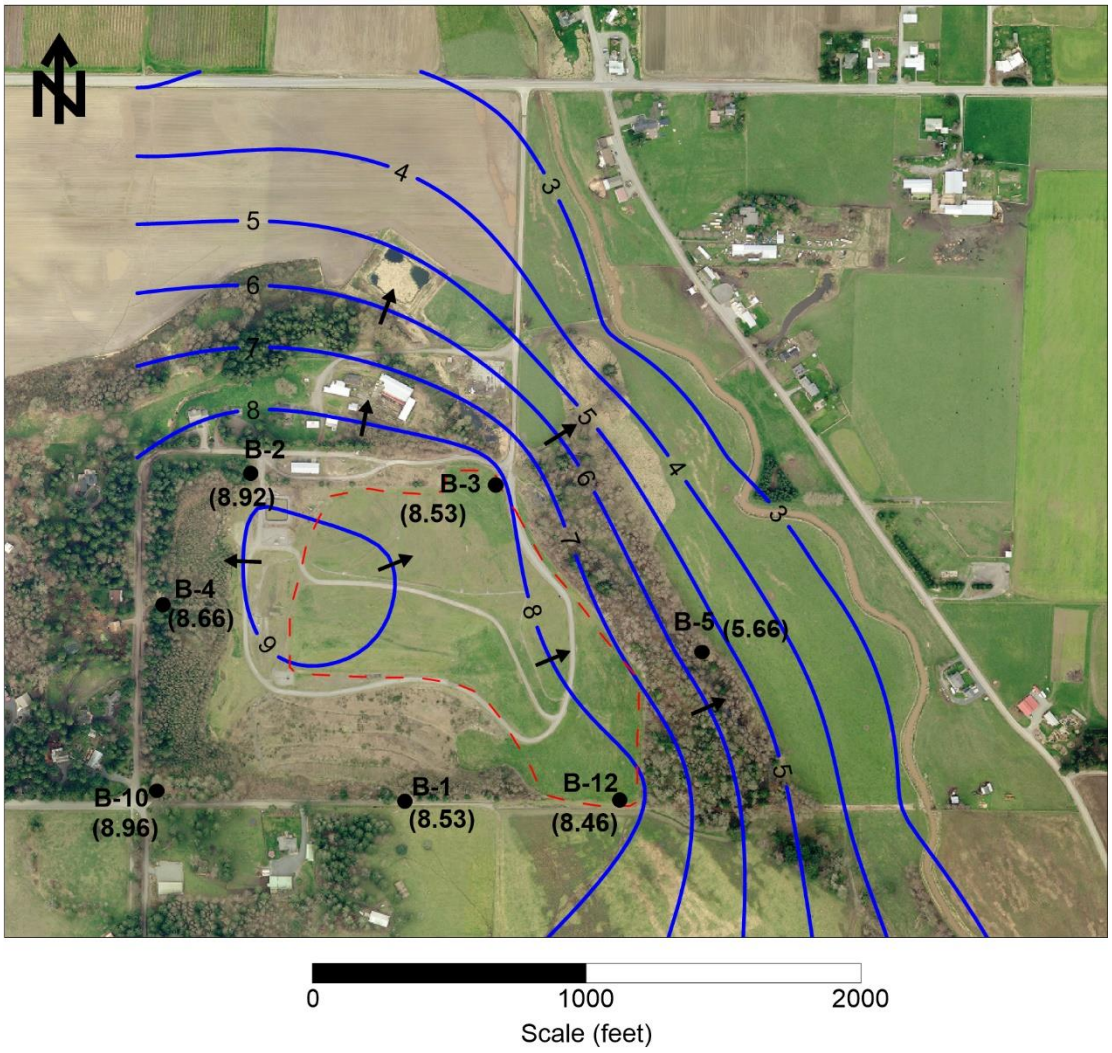


Figure 7b. Potentiometric Surface Contour Map, Regional Aquifer, June 2024.

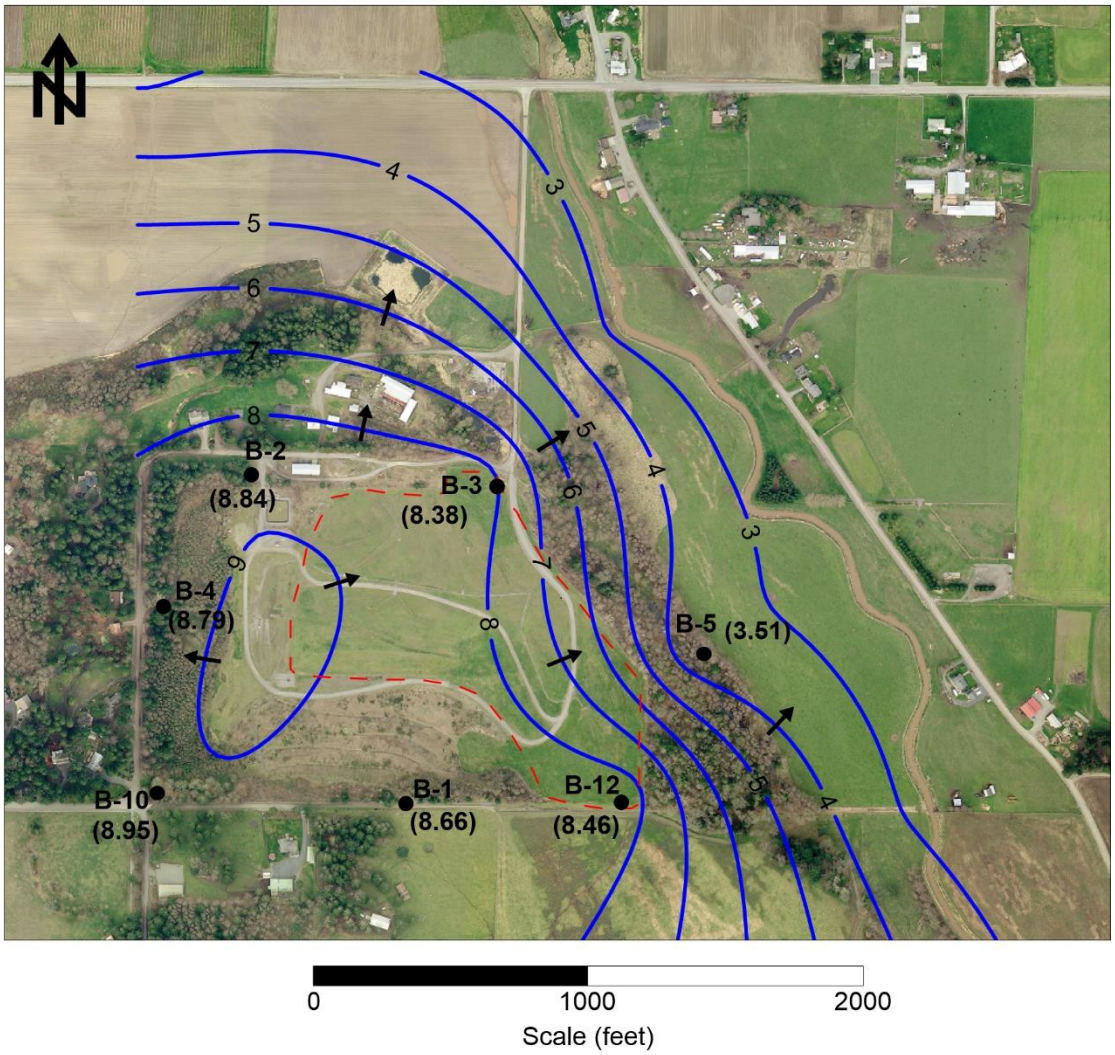


Figure 7c. Potentiometric Surface Contour Map, Regional Aquifer, September 2024.

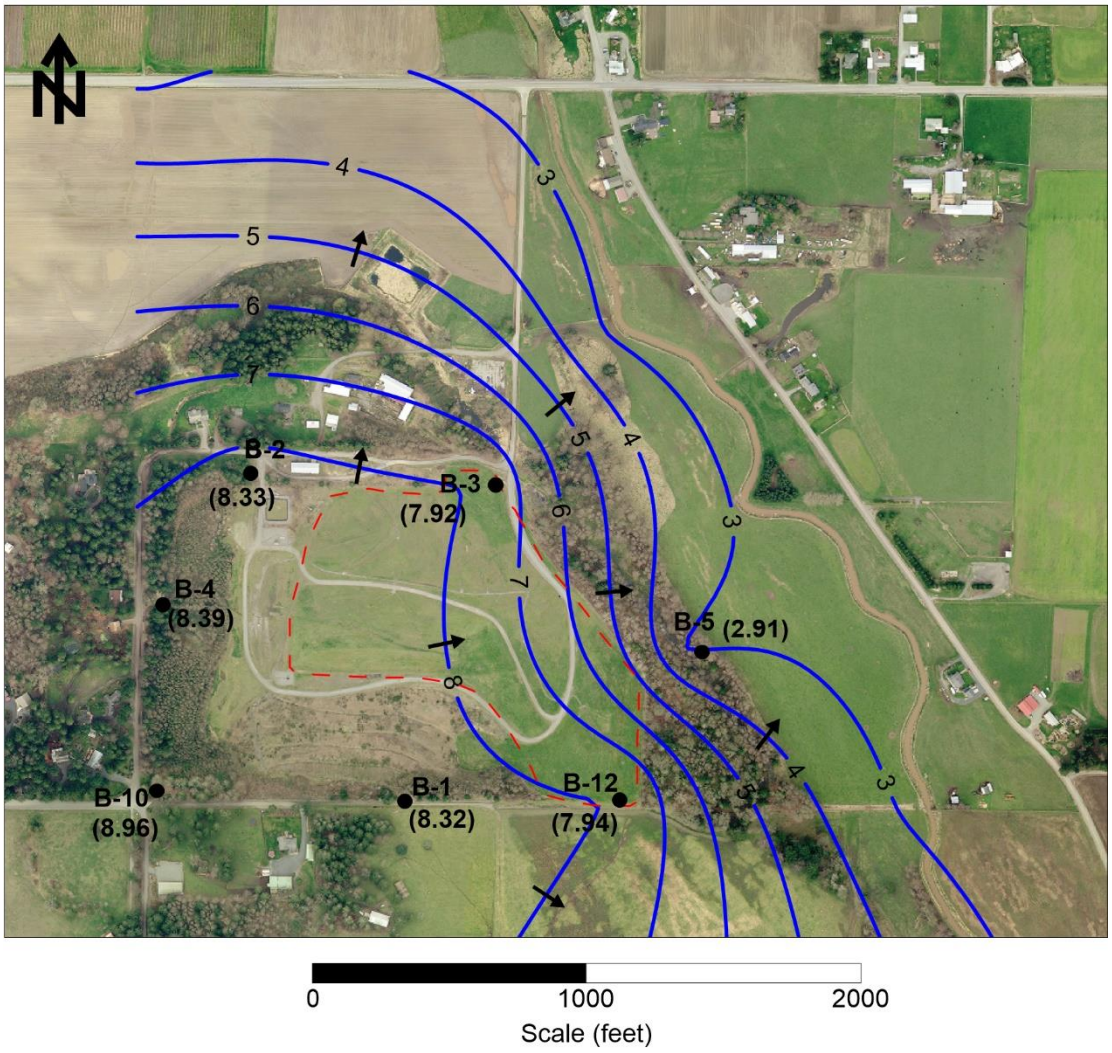


Figure 7d. Potentiometric Surface Contour Map, Regional Aquifer, September 2024.

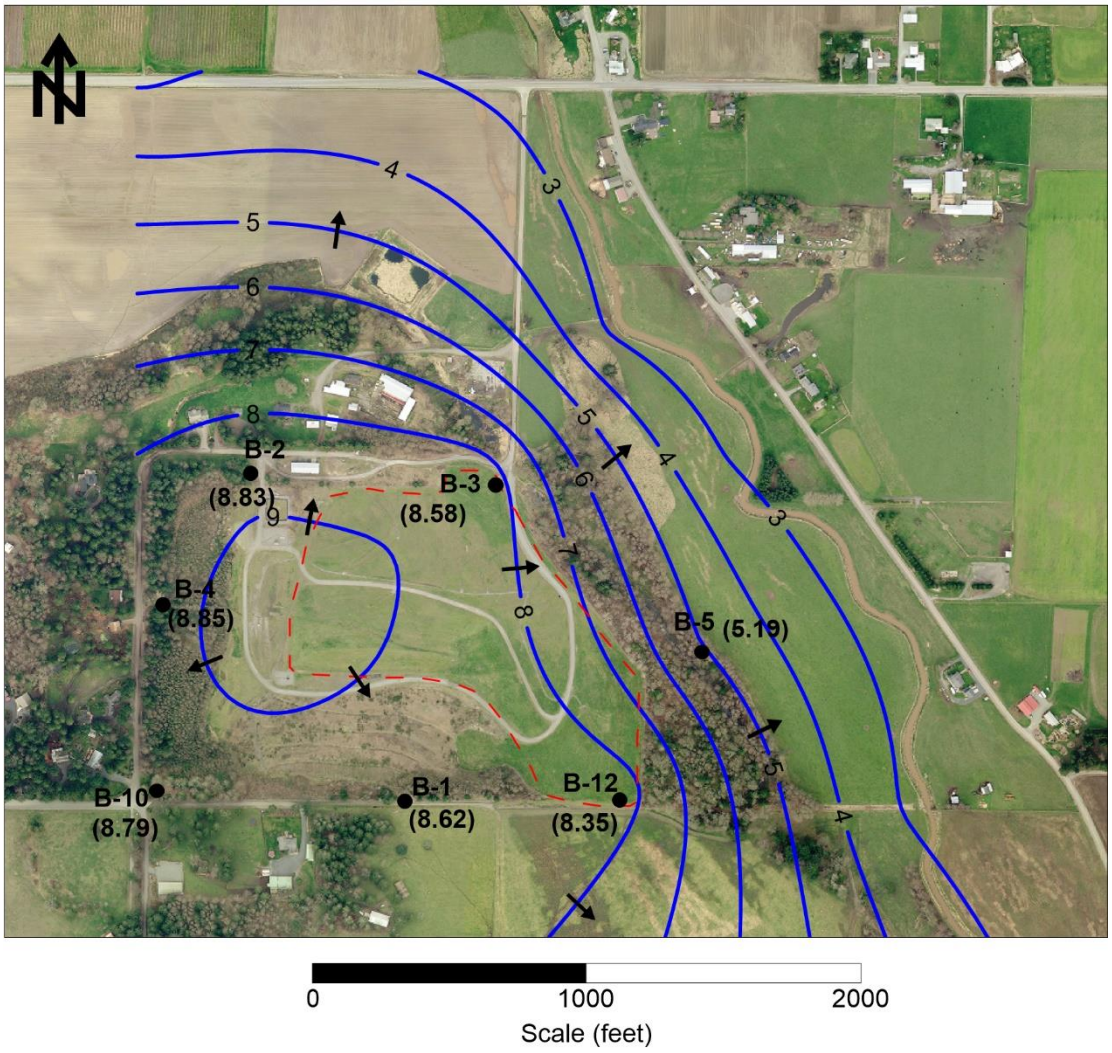


Figure 8. Inman Landfill Gas Extraction System Layout

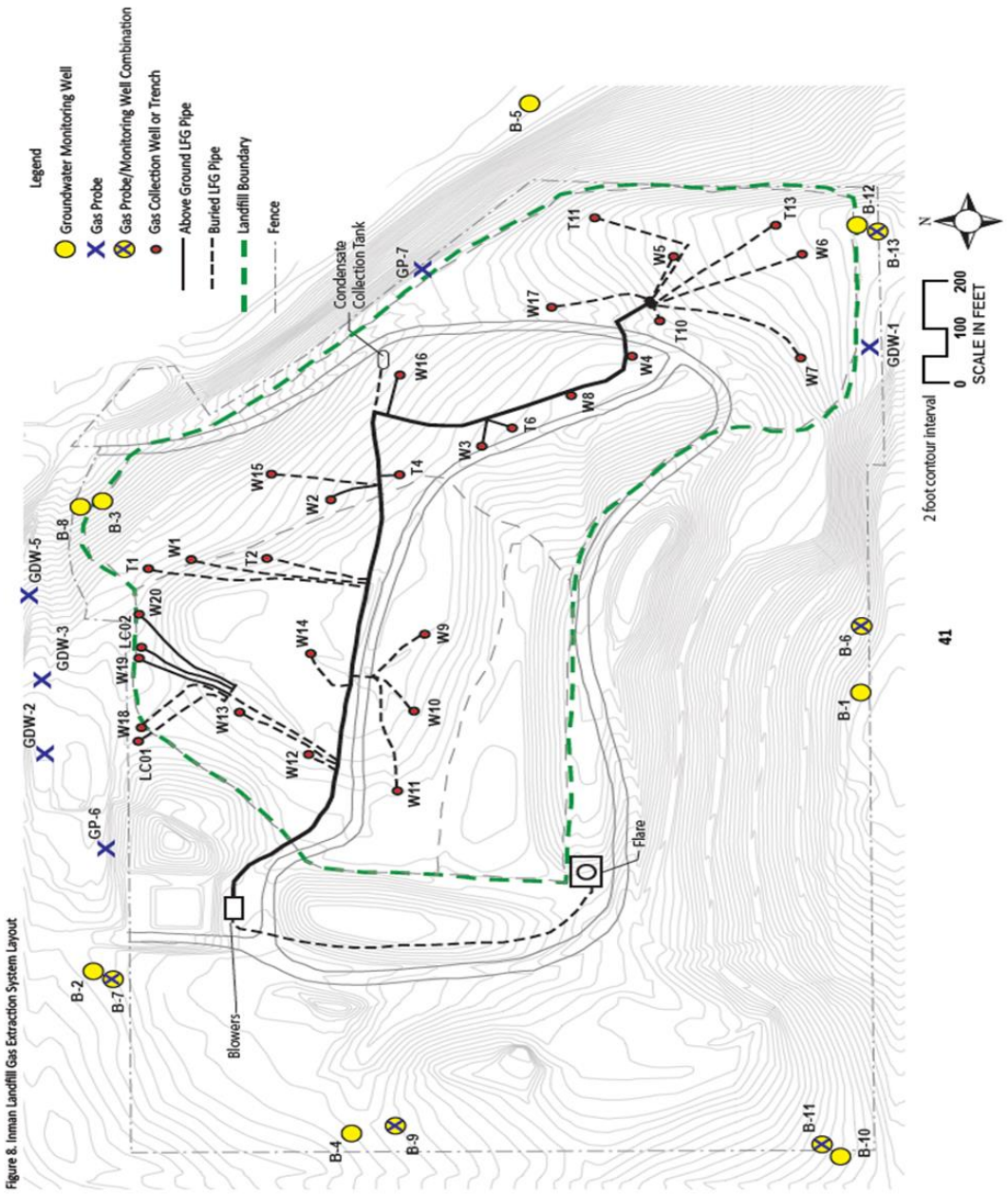


Figure 9. Landfill Gas Perimeter Monitoring Probe Locations.



LEGEND

B-6 Perimeter Gas Monitoring Well

(6.9%) Maximum methane concentration (<=0.1% for wells with no concentrations shown)

– – – Approximate Landfill Boundary

APPENDIX A-1
2024 Groundwater Monitoring Data – Perched Aquifer

2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-6	B-6	B-6	B-6
Sampling Date			3/18/2024	6/17/2024	9/16/2024	12/16/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		4 J	8	12	20 U
Total Organic Carbon	mg/L		2.11	1.77	2.49	2.57
Total Dissolved Solids †	mg/L	**500	252	274	240	207
Alkalinity †	mg/L		192	234	204	151
Bicarbonate †	mg CaCO3/L		192	234	204	151
Ammonia as nitrogen	mg/L		0.01 U	0.01 U	0.01 U	0.01 U
Nitrate as nitrogen	mg/L	*10	4.86	4	3	3.07
Nitrite as nitrogen	mg/L		0.1 U	0.1 U	0.005 U	0.2 U
Chloride	mg/L	**250	3.4	4.3	2.7	1.9
Sulfate	mg/L	**250	15.1	8.8	8.4	10
pH	SU	**6.5-8.5	7.08	7.17	6.7	7.23
Specific Conductance	µS/cm		406	461	384	320
Temperature	C		10.39	10.61	10.86	10.14
METALS						
Dissolved Antimony †	µg/L		0.2 J	0.2 J	0.4 J	5.0 U
Dissolved Arsenic	µg/L	***0.05	0.6 J	0.7 J	0.6 J	0.7 J
Dissolved Barium †	µg/L	*1000	28.6	30.1	25.3	22.9
Dissolved Cadmium	µg/L	*10	0.1 J	0.0 J	0.0 J	1.0 U
Dissolved Chromium †	µg/L	*50	1.1	2.2	1.0	0.7 J
Dissolved Cobalt †	µg/L		0.1 J	0.2 J	0.1 J	0.2 J
Dissolved Copper †	µg/L	**1000	1.5 J	1.2 J	1.1 J	1.7 J
Dissolved Iron	µg/L	**300	50 U	50 U	1 J	8 J
Dissolved Lead	µg/L	*50	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Manganese	µg/L	**50	0.9 J	0.4 J	0.2 J	0.7 J
Dissolved Mercury	µg/L	*2	0.1 U	0.5 U	0.5 U	0.5 U
Dissolved Nickel †	µg/L		1.8	1.5	1.1	2.0
Dissolved Selenium †	µg/L	*10	0.3 J	0.3 J	0.5 J	0.5 J
Dissolved Vanadium †	µg/L		1.6	1.9	1.5	1.4
Dissolved Zinc	µg/L	**5000	1.2 J	1.0 J	0.6 J	0.6 J
Total Arsenic	µg/L	***0.05	NT	NT	**1.1**	**1.3**
Total Calcium	µg/L		49,400	60,400	51,200	43,300
Total Iron	µg/L	**300	NT	NT	6	20 J
Total Magnesium †	µg/L		20,500	24,500	19,800	17,400
Total Manganese	µg/L	**50	NT	NT	5.7	6.4
Total Potassium †	µg/L		2,600	2,700	2,400	2,400
Total Sodium	µg/L		4,200	4,500	4,200	4,300

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen

Units:

mg/L = milligrams per liter
µg/L = micrograms per liter
SU = standard units
µS/cm = microsiemens per centimeter
C = degrees centigrade
mg CaCO3/L = milligrams of calcium carbonate per liter

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of detection indicated.

J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

NT — Not tested.

Results shown in bold exceed Ground Water Quality Criteria.

† Indicates supplement analytes measured due to Ecology request

2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-8	B-8	B-8	B-8
Sampling Date			3/20/2024	NA	NA	12/20/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		17 J	NT	NT	20 U
Total Organic Carbon	mg/L		5.03	NT	NT	4.53
Total Dissolved Solids †	mg/L	**500	419	NT	NT	395
Alkalinity †	mg/L		364	NT	NT	354
Bicarbonate †	mg CaCO3/L		364	NT	NT	348
Ammonia as nitrogen	mg/L		0.01 U	NT	NT	0.02
Nitrate as nitrogen	mg/L	*10	0.1 U	NT	NT	0.07
Nitrite as nitrogen	mg/L		0.1 U	NT	NT	0.016
Chloride	mg/L	**250	9.8	NT	NT	1.7
Sulfate	mg/L	**250	23.8	NT	NT	10.3
pH	SU	**6.5-8.5	6.65	NT	NT	**6.08**
Specific Conductance	µS/cm		683	NT	NT	659
Temperature	C		11.05	NT	NT	12.74
METALS						
Dissolved Antimony †	µg/L		1.0 U	NT	NT	0.3 J
Dissolved Arsenic	µg/L	***0.05	0.5 J	NT	NT	0.7 J
Dissolved Barium †	µg/L	*1000	94.6	NT	NT	91.3
Dissolved Cadmium	µg/L	*10	1.0 U	NT	NT	0.0 J
Dissolved Chromium †	µg/L	*50	0.7 J	NT	NT	3.0
Dissolved Cobalt †	µg/L		0.3 J	NT	NT	0.6 J
Dissolved Copper †	µg/L	**1000	2.5	NT	NT	4.3
Dissolved Iron	µg/L	**300	9 J	NT	NT	320 J
Dissolved Lead	µg/L	*50	1.0 U	NT	NT	1.0 U
Dissolved Manganese	µg/L	**50	**722**	NT	NT	2
Dissolved Mercury	µg/L	*2	0.1 U	NT	NT	0.5 U
Dissolved Nickel †	µg/L		4.2	NT	NT	4.6
Dissolved Selenium †	µg/L	*10	0.5 J	NT	NT	0.8 J
Dissolved Vanadium †	µg/L		0.7 J	NT	NT	1.3
Dissolved Zinc	µg/L	**5000	1.2 J	NT	NT	0.9 J
Total Arsenic	µg/L	***0.05	NT	NT	NT	**1.2**
Total Calcium	µg/L		65,600	NT	NT	64,400
Total Iron	µg/L	**300	NT	NT	NT	**550**
Total Magnesium †	µg/L		44,400	NT	NT	40,200
Total Manganese	µg/L	**50	NT	NT	NT	25
Total Potassium †	µg/L		7,800	NT	NT	8,700
Total Sodium	µg/L		20,000	NT	NT	26,800

Groundwater Quality Criteria:

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** = Secondary Contaminant
*** = Carcinogen

Units:

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µg/L = micrograms per liter
SU = standard units
µS/cm = microsiemens per centimeter
C = degrees centigrade
mg CaCO3/L = milligrams of calcium carbonate per liter

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J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

NT — Not tested.

Results shown in bold exceed Ground Water Quality Criteria.

† Indicates supplement analytes measured due to Ecology request

2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-9	B-9	B-9	B-9
Sampling Date			3/19/2024	6/18/2024	9/18/2024	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		8 U	3 J	8 J	8 U
Total Organic Carbon	mg/L		1.29	1.11	1.23	1.32
Total Dissolved Solids †	mg/L	**500	157	156	164	150
Alkalinity †	mg/L		118	114	129	108
Bicarbonate †	mg CaCO3/L		118	114	129	108
Ammonia as nitrogen	mg/L		0.01 U	0.019	0.01 U	0.01 U
Nitrate as nitrogen	mg/L	*10	1.43	1.83	1.98	1.81
Nitrite as nitrogen	mg/L		0.1 U	0.1 U	0.1 U	0.1 U
Chloride	mg/L	**250	2.2	2.6	2.4	10.6
Sulfate	mg/L	**250	11.7	8.3	9.2	28.9
pH	SU	**6.5-8.5	7.26	6.6	**6.21**	6.7
Specific Conductance	µS/cm		236	251	257	232
Temperature	C		10.33	10.58	10.73	10.37
METALS						
Dissolved Antimony †	µg/L		0.1 J	0.2 J	0.2 J	0.3 J
Dissolved Arsenic	µg/L	***0.05	0.7 J	0.8 J	0.8 J	0.8 J
Dissolved Barium †	µg/L	*1000	14.2	14.3	15.0	14.1
Dissolved Cadmium	µg/L	*10	0.1 J	1.0 U	0.0 J	1.0 U
Dissolved Chromium †	µg/L	*50	1.0	1.9	2.4	1.7
Dissolved Cobalt †	µg/L		0.1 J	0.3 J	0.1 J	0.1 J
Dissolved Copper †	µg/L	**1000	1.5 J	1.3 J	0.4 J	2.0
Dissolved Iron	µg/L	**300	3 J	50 U	5 J	50 U
Dissolved Lead	µg/L	*50	1.0 U	1.0 U	0.03 J	1.0 U
Dissolved Manganese	µg/L	**50	5.3	0.5 J	0.3 J	0.4 J
Dissolved Mercury	µg/L	*2	0.1 U	0.5 U	0.5 U	0.5 U
Dissolved Nickel †	µg/L		1.4	1.2	1.2	1.4
Dissolved Selenium †	µg/L	*10	0.7 J	0.9 J	1.0	0.8 J
Dissolved Vanadium †	µg/L		1.6	1.8	2.0	1.8
Dissolved Zinc	µg/L	**5000	3.7	1.6 J	1.6 J	1.3 J
Total Arsenic	µg/L	***0.05	NT	NT	**0.6**	**0.8**
Total Calcium	µg/L		18,400	24,800	23,200	22,100
Total Iron	µg/L	**300	NT	NT	13	16
Total Magnesium †	µg/L		14,500	17,800	16,500	16,500
Total Manganese	µg/L	**50	NT	NT	2	4
Total Potassium †	µg/L		1,900	2,200	1,800	2,000
Total Sodium	µg/L		7,200	4,400	3,800	3,900

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen

Units:

mg/L = milligrams per liter
µg/L = micrograms per liter
SU = standard units
µS/cm = microsiemens per centimeter
C = degrees centigrade
mg CaCO3/L = milligrams of calcium carbonate per liter

Qualifiers:

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J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

NT — Not tested.

Results shown in bold exceed Ground Water Quality Criteria.

† Indicates supplement analytes measured due to Ecology request

2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-11	B-11	B-11	B-11
Sampling Date			3/18/2024	6/18/2024	NA	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		8 U	4 J	NT	8 U
Total Organic Carbon	mg/L		1.58	1.5	NT	1.75
Total Dissolved Solids †	mg/L	**500	223	216	NT	198
Alkalinity †	mg/L		172	158	NT	122
Bicarbonate †	mg CaCO3/L		172	158	NT	122
Ammonia as nitrogen	mg/L		0.057	0.01 U	NT	0.01
Nitrate as nitrogen	mg/L	*10	3.97	5.02	NT	6.15
Nitrite as nitrogen	mg/L		0.1 U	0.1 U	NT	0.1 U
Chloride	mg/L	**250	2.3	2.5	NT	2.6
Sulfate	mg/L	**250	13.8	12.5	NT	11.8
pH	SU	**6.5-8.5	7.1	6.79	NT	6.9
Specific Conductance	µS/cm		355	353	NT	302
Temperature	C		11.99	10.4	NT	9.96
METALS						
Dissolved Antimony †	µg/L		0.3 J	0.1 J	NT	0.2 J
Dissolved Arsenic	µg/L	***0.05	**1.0**	**1.0**	NT	**1.1**
Dissolved Barium †	µg/L	*1000	15.3	13.0	NT	11.4
Dissolved Cadmium	µg/L	*10	1.0 U	1.0 U	NT	1.0 U
Dissolved Chromium †	µg/L	*50	1.3	1.9	NT	1.5
Dissolved Cobalt †	µg/L		0.2 J	0.1 J	NT	0.2 J
Dissolved Copper †	µg/L	**1000	1.7 J	1.8 J	NT	1.9 J
Dissolved Iron	µg/L	**300	50 U	50 U	NT	1 J
Dissolved Lead	µg/L	*50	1.0 U	1.0 U	NT	1.0 U
Dissolved Manganese	µg/L	**50	8.8	0.3 J	NT	0.4 J
Dissolved Mercury	µg/L	*2	0.1 U	0.5 U	NT	0.5 U
Dissolved Nickel †	µg/L		1.6	1.1	NT	1.4
Dissolved Selenium †	µg/L	*10	0.6 J	0.3 J	NT	0.3 J
Dissolved Vanadium †	µg/L		2.3	2.4	NT	2.2
Dissolved Zinc	µg/L	**5000	0.8 J	0.5 J	NT	0.4 J
Total Arsenic	µg/L	***0.05	NT	NT	NT	**2.0**
Total Calcium	µg/L		31,900	32,500	NT	28,800
Total Iron	µg/L	**300	NT	NT	NT	6
Total Magnesium †	µg/L		24,100	22,900	NT	21,000
Total Manganese	µg/L	**50	NT	NT	NT	1 U
Total Potassium †	µg/L		1,800	1,800	NT	1,800
Total Sodium	µg/L		7,200	7,700	NT	7,300

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen

Units:

mg/L = milligrams per liter
µg/L = micrograms per liter
SU = standard units
µS/cm = microsiemens per centimeter
C = degrees centigrade
mg CaCO3/L = milligrams of calcium carbonate per liter

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of detection indicated.
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.
NT — Not tested.

Results shown in bold exceed Ground Water Quality Criteria.
† Indicates supplement analytes measured due to Ecology request

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-6	B-6	B-6	B-6
Sampling Date			3/18/2024	6/17/2024	9/16/2024	12/16/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	1 U	1 U	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	0.01 U	0.01 U	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	0.4 U	0.4 U	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,3-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	0.4 U	0.4 U	0.4 U
1,4-dioxane	µg/L	7***	5 U	5 U	5 U	5 U
2,2-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-butanone	µg/L		3 U	3 U	3 U	3 U
2-chloroethyl vinyl ether	µg/L		5 U	5 U	5 U	5 U
2-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-nitropropane	µg/L		10 U	10 U	10 U	10 U
2-phenylbutane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-methyl-2-pentanone	µg/L		4 U	4 U	4 U	4 U
Acetone	µg/L		3 U	3 U	3 U	3 U
Acrolein	µg/L		4 U	4 U	4 U	4 U
Acrylonitrile	µg/L	0.07***	0.05 U	0.05 U	0.05 U	0.05 U
Allyl chloride	µg/L		2 U	2 U	2 U	2 U
Benzene	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
Bromobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon disulfide	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	µg/L	7.0***	0.4 U	0.4 U	0.4 U	0.4 U
Chloromethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Cymene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dibromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichloromethane	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Diethyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-6	B-6	B-6	B-6
Sampling Date			3/18/2024	6/17/2024	9/16/2024	12/16/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	3 U	3 U	3 U
Ethylbenzene	µg/L	700****	0.4 U	0.4 U	0.4 U	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Hexachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Isopropylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
m-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methyl acrylate	µg/L		1.5 U	1.5 U	1.5 U	1.5 U
Methyl iodide	µg/L		5 U	5 U	5 U	5 U
Methyl methacrylate	µg/L		2 U	2 U	2 U	2 U
Methyl n-butyl ketone	µg/L		5 U	5 U	5 U	5 U
Methyl tert-butyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methylacrylonitrile	µg/L		4 U	4 U	4 U	4 U
Naphthalene	µg/L		1 U	1 U	0.4 U	1 U
n-butyl chloride	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-propylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
o-xylene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Pentachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Tert-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	µg/L		3 U	3 U	3 U	3 U
Toluene	µg/L	1****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	5 U	5 U	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Trichloroethene	µg/L	3***	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.02***	0.01 U	0.01 U	0.01 U	0.01 U

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

Units:

µg/L= micrograms per liter

Results shown in bold exceed Ground Water Quality Criteria.

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-8	B-8	B-8	B-8
Sampling Date			3/20/2024	NA	NA	12/20/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	NT	NT	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	NT	NT	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	NT	NT	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	NT	NT	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	NT	NT	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	NT	NT	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	NT	NT	0.4 U
1,1-dichloropropene	µg/L		0.4 U	NT	NT	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	NT	NT	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	NT	NT	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	NT	NT	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	NT	NT	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	NT	NT	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	NT	NT	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	NT	NT	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	NT	NT	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	NT	NT	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	NT	NT	0.4 U
1,3-dichloropropane	µg/L		0.4 U	NT	NT	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	NT	NT	0.4 U
1,4-dioxane	µg/L	7***	5 U	NT	NT	5 U
2,2-dichloropropane	µg/L		0.4 U	NT	NT	0.4 U
2-butanone	µg/L		3 U	NT	NT	3 U
2-chloroethyl vinyl ether	µg/L		5 U	NT	NT	5 U
2-chlorotoluene	µg/L		0.4 U	NT	NT	0.4 U
2-nitropropane	µg/L		10 U	NT	NT	10 U
2-phenylbutane	µg/L		0.4 U	NT	NT	0.4 U
4-chlorotoluene	µg/L		0.4 U	NT	NT	0.4 U
4-methyl-2-pentanone	µg/L		4 U	NT	NT	4 U
Acetone	µg/L		3 U	NT	NT	3 U
Acrolein	µg/L		4 U	NT	NT	4 U
Acrylonitrile	µg/L	0.07***	0.05 U	NT	NT	0.05 U
Allyl chloride	µg/L		2 U	NT	NT	2 U
Benzene	µg/L	1.0***	0.4 U	NT	NT	0.4 U
Bromobenzene	µg/L		0.4 U	NT	NT	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	NT	NT	0.4 U
Bromomethane	µg/L		0.4 U	NT	NT	0.4 U
Carbon disulfide	µg/L		0.4 U	NT	NT	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	NT	NT	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	NT	NT	0.4 U
Chlorobromomethane	µg/L		0.4 U	NT	NT	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	NT	NT	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		0.5 U	NT	NT	0.5 U
Chloroethane	µg/L		0.4 U	NT	NT	0.4 U
Chloroform	µg/L	7.0***	0.4 U	NT	NT	0.4 U
Chloromethane	µg/L		0.4	NT	NT	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	NT	NT	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	NT	NT	0.4 U
Cymene	µg/L		0.4 U	NT	NT	0.4 U
Dibromomethane	µg/L		0.4 U	NT	NT	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.4 U	NT	NT	0.4 U
Dichloromethane	µg/L	5***	0.4 U	NT	NT	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.4 U	NT	NT	0.4 U
Diethyl ether	µg/L		0.4 U	NT	NT	0.4

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-8	B-8	B-8	B-8
Sampling Date			3/20/2024	NA	NA	12/20/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	NT	NT	3 U
Ethylbenzene	µg/L	700****	0.4 U	NT	NT	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	NT	NT	0.4 U
Hexachloroethane	µg/L		0.4 U	NT	NT	0.4 U
Isopropylbenzene	µg/L		0.4 U	NT	NT	0.4 U
m-dichlorobenzene	µg/L		0.4 U	NT	NT	0.4 U
Methyl acrylate	µg/L		1.5 U	NT	NT	1.5 U
Methyl iodide	µg/L		5 U	NT	NT	5 U
Methyl methacrylate	µg/L		2 U	NT	NT	2 U
Methyl n-butyl ketone	µg/L		5 U	NT	NT	5 U
Methyl tert-butyl ether	µg/L		0.4 U	NT	NT	0.4 U
Methylacrylonitrile	µg/L		4 U	NT	NT	4 U
Naphthalene	µg/L		1 U	NT	NT	1 U
n-butyl chloride	µg/L		0.4 U	NT	NT	0.4 U
n-butylbenzene	µg/L		0.4 U	NT	NT	0.4 U
n-propylbenzene	µg/L		0.4 U	NT	NT	0.4 U
o-xylene	µg/L		0.4 U	NT	NT	0.4 U
Pentachloroethane	µg/L		0.4 U	NT	NT	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	NT	NT	0.4 U
Tert-butylbenzene	µg/L		0.4 U	NT	NT	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	NT	NT	0.4 U
Tetrahydrofuran	µg/L		3 U	NT	NT	3 U
Toluene	µg/L	1****	0.4 U	NT	NT	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	NT	NT	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	NT	NT	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	NT	NT	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	NT	NT	0.4 U
Trichloroethene	µg/L	3***	0.4 U	NT	NT	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	NT	NT	0.4 U
Vinyl chloride	µg/L	0.02***	0.01 U	NT	NT	0.01 U

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

Units:

µg/L= micrograms per liter

Results shown in bold exceed Ground Water Quality Criteria.

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-9	B-9	B-9	B-9
Sampling Date			3/19/2024	6/18/2024	9/18/2024	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	1 U	1 U	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	0.01 U	0.01 U	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	0.4 U	0.4 U	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,3-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	0.4 U	0.4 U	0.4 U
1,4-dioxane	µg/L	7***	5 U	5 U	5 U	5 U
2,2-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-butanone	µg/L		3 U	3 U	3 U	3 U
2-chloroethyl vinyl ether	µg/L		5 U	5 U	5 U	5 U
2-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-nitropropane	µg/L		10 U	10 U	10 U	10 U
2-phenylbutane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-methyl-2-pentanone	µg/L		4 U	4 U	4 U	4 U
Acetone	µg/L		3 U	3 U	3 U	3 U
Acrolein	µg/L		4 U	4 U	4 U	4 U
Acrylonitrile	µg/L	0.07***	0.05 U	0.05 U	0.05 U	0.05 U
Allyl chloride	µg/L		2 U	2 U	2 U	2 U
Benzene	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
Bromobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon disulfide	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	µg/L	7.0***	0.4 U	0.4 U	0.4 U	0.4 U
Chloromethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Cymene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dibromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.5	0.5	0.4 U	0.4 U
Dichloromethane	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Diethyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-9	B-9	B-9	B-9
Sampling Date			3/19/2024	6/18/2024	9/18/2024	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	3 U	3 U	3 U
Ethylbenzene	µg/L	700****	0.4 U	0.4 U	0.4 U	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Hexachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Isopropylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
m-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methyl acrylate	µg/L		1.5 U	1.5 U	1.5 U	1.5 U
Methyl iodide	µg/L		5 U	5 U	5 U	5 U
Methyl methacrylate	µg/L		2 U	2 U	2 U	2 U
Methyl n-butyl ketone	µg/L		5 U	5 U	5 U	5 U
Methyl tert-butyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methylacrylonitrile	µg/L		4 U	4 U	4 U	4 U
Naphthalene	µg/L		1 U	1 U	1 U	1 U
n-butyl chloride	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-propylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
o-xylene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Pentachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Tert-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	µg/L		3 U	3 U	3 U	3 U
Toluene	µg/L	1****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	5 U	5 U	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Trichloroethene	µg/L	3***	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.02***	0.01 U	0.01 U	0.01 U	0.01 U

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

Units:

µg/L= micrograms per liter

Results shown in bold exceed Ground Water Quality Criteria.

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-11	B-11	0 B-11	B-11
Sampling Date			3/18/2024	6/18/2024	NA	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	0.4 U	NT	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	0.4 U	NT	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	0.4 U	NT	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	0.4 U	NT	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	0.4 U	NT	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	0.4 U	NT	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	0.4 U	NT	0.4 U
1,1-dichloropropene	µg/L		0.4 U	0.4 U	NT	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	0.4 U	NT	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	1 U	NT	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	0.01 U	NT	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	0.4 U	NT	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	0.4 U	NT	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
1,3-dichloropropane	µg/L		0.4 U	0.4 U	NT	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	0.4 U	NT	0.4 U
1,4-dioxane	µg/L	7***	5 U	5 U	NT	5 U
2,2-dichloropropane	µg/L		0.4 U	0.4 U	NT	0.4 U
2-butanone	µg/L		3 U	3 U	NT	3 U
2-chloroethyl vinyl ether	µg/L		5 U	5 U	NT	5 U
2-chlorotoluene	µg/L		0.4 U	0.4 U	NT	0.4 U
2-nitropropane	µg/L		10 U	10 U	NT	10 U
2-phenylbutane	µg/L		0.4 U	0.4 U	NT	0.4 U
4-chlorotoluene	µg/L		0.4 U	0.4 U	NT	0.4 U
4-methyl-2-pentanone	µg/L		4 U	4 U	NT	4 U
Acetone	µg/L		3 U	3 U	NT	3 U
Acrolein	µg/L		4 U	4 U	NT	4 U
Acrylonitrile	µg/L	0.07***	0.05 U	0.05 U	NT	0.05 U
Allyl chloride	µg/L		2 U	2 U	NT	2 U
Benzene	µg/L	1.0***	0.4 U	0.4 U	NT	0.4 U
Bromobenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	0.4 U	NT	0.4 U
Bromomethane	µg/L		0.4 U	0.4 U	NT	0.4 U
Carbon disulfide	µg/L		0.4 U	0.4 U	NT	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	0.4 U	NT	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	0.4 U	NT	0.4 U
Chlorobromomethane	µg/L		0.4 U	0.4 U	NT	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	0.4 U	NT	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		0.5 U	0.5 U	NT	0.5 U
Chloroethane	µg/L		0.4 U	0.4 U	NT	0.4 U
Chloroform	µg/L	7.0***	0.4 U	0.4 U	NT	0.4 U
Chloromethane	µg/L		0.4 U	0.4 U	NT	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	0.4 U	NT	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	0.4 U	NT	0.4 U
Cymene	µg/L		0.4 U	0.4 U	NT	0.4 U
Dibromomethane	µg/L		0.4 U	0.4 U	NT	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.4 U	0.4 U	NT	0.4 U
Dichloromethane	µg/L	5***	0.4 U	0.4 U	NT	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.4 U	0.4 U	NT	0.4 U
Diethyl ether	µg/L		0.4 U	0.4 U	NT	0.4 U

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-11	B-11	0 B-11	B-11
Sampling Date			3/18/2024	6/18/2024	NA	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	3 U	NT	3 U
Ethylbenzene	µg/L	700****	0.4 U	0.4 U	NT	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	0.4 U	NT	0.4 U
Hexachloroethane	µg/L		0.4 U	0.4 U	NT	0.4 U
Isopropylbenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
m-dichlorobenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
Methyl acrylate	µg/L		1.5 U	1.5 U	NT	1.5 U
Methyl iodide	µg/L		5 U	5 U	NT	5 U
Methyl methacrylate	µg/L		2 U	2 U	NT	2 U
Methyl n-butyl ketone	µg/L		5 U	5 U	NT	5 U
Methyl tert-butyl ether	µg/L		0.4 U	0.4 U	NT	0.4 U
Methylacrylonitrile	µg/L		4 U	4 U	NT	4 U
Naphthalene	µg/L		1 U	1 U	NT	1 U
n-butyl chloride	µg/L		0.4 U	0.4 U	NT	0.4 U
n-butylbenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
n-propylbenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
o-xylene	µg/L		0.4 U	0.4 U	NT	0.4 U
Pentachloroethane	µg/L		0.4 U	0.4 U	NT	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	0.4 U	NT	0.4 U
Tert-butylbenzene	µg/L		0.4 U	0.4 U	NT	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	0.4 U	NT	0.4 U
Tetrahydrofuran	µg/L		3 U	3 U	NT	3 U
Toluene	µg/L	1****	0.4 U	0.4 U	NT	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	0.4 U	NT	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	0.4 U	NT	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	5 U	NT	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	0.4 U	NT	0.4 U
Trichloroethene	µg/L	3***	0.4 U	0.4 U	NT	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	0.4 U	NT	0.4 U
Vinyl chloride	µg/L	0.02***	0.01 U	0.01 U	NT	0.01 U

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

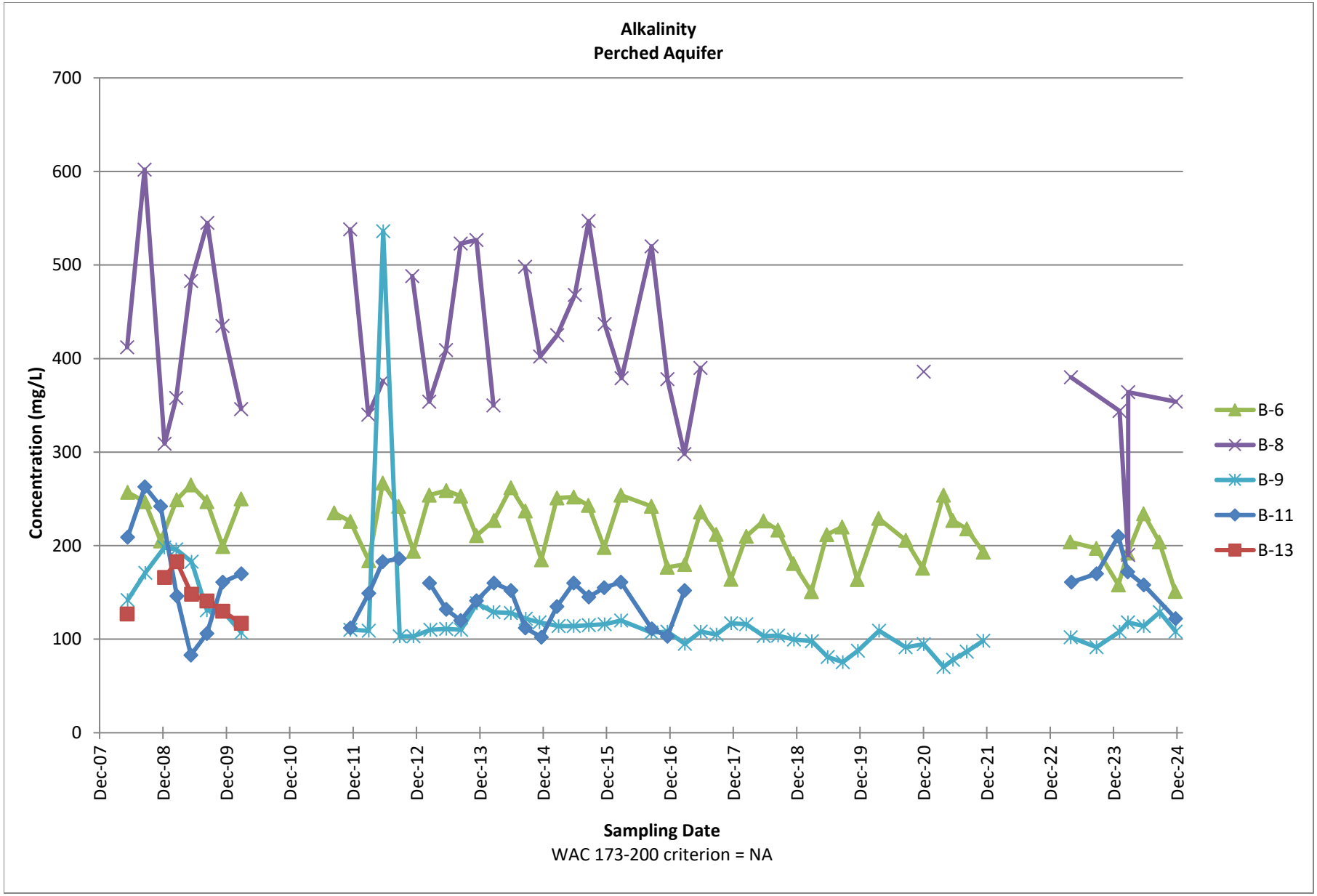
U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

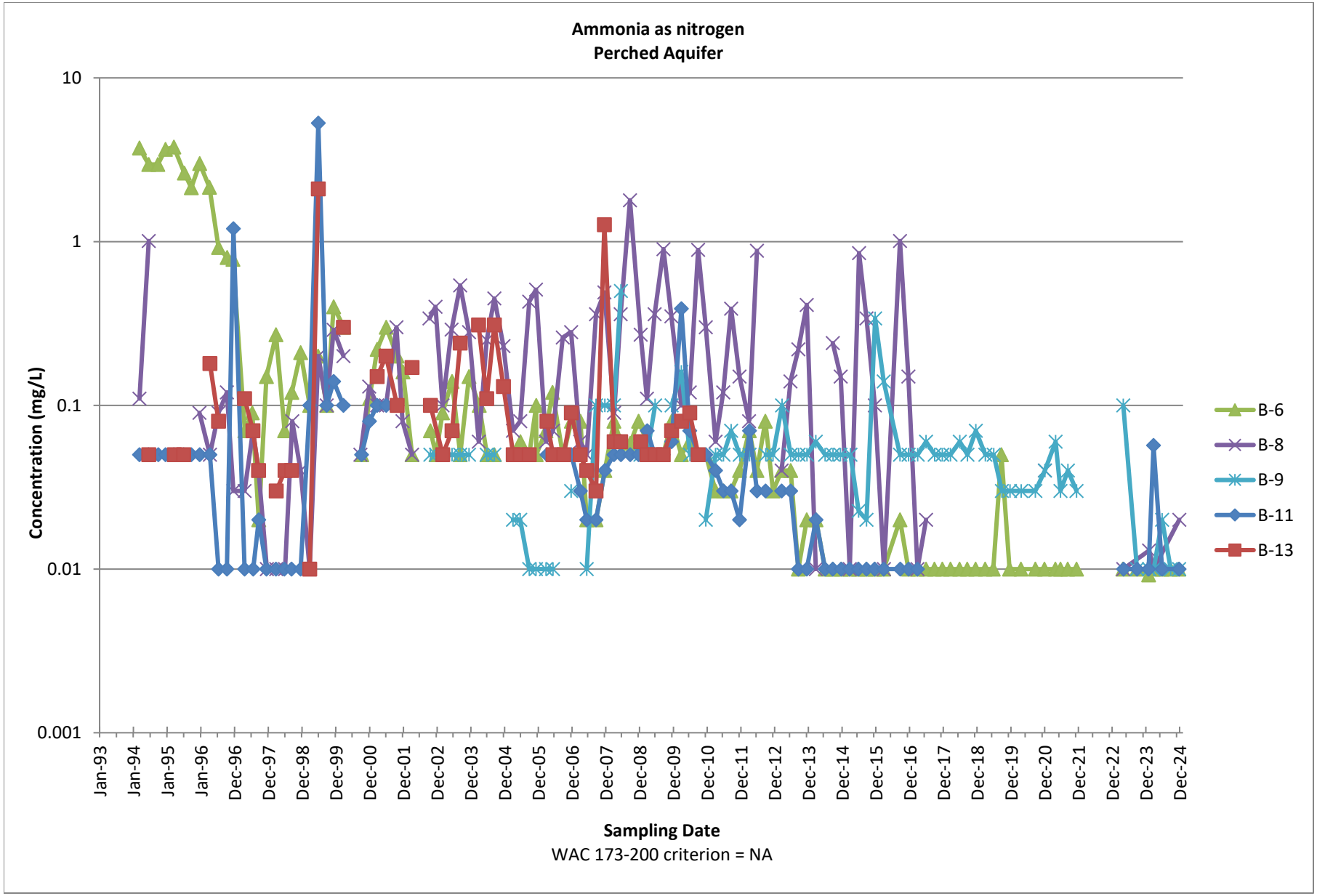
Units:

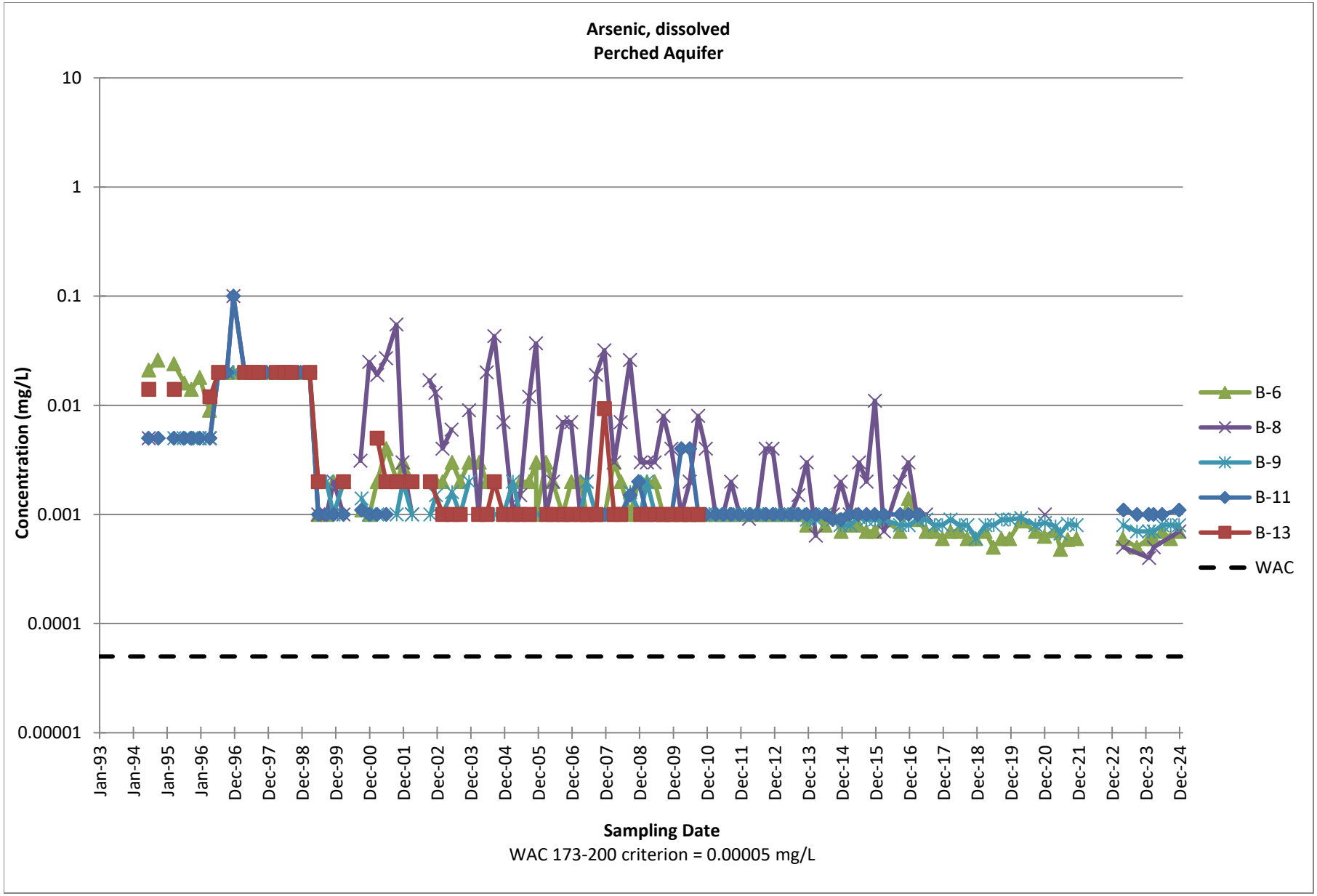
µg/L= micrograms per liter

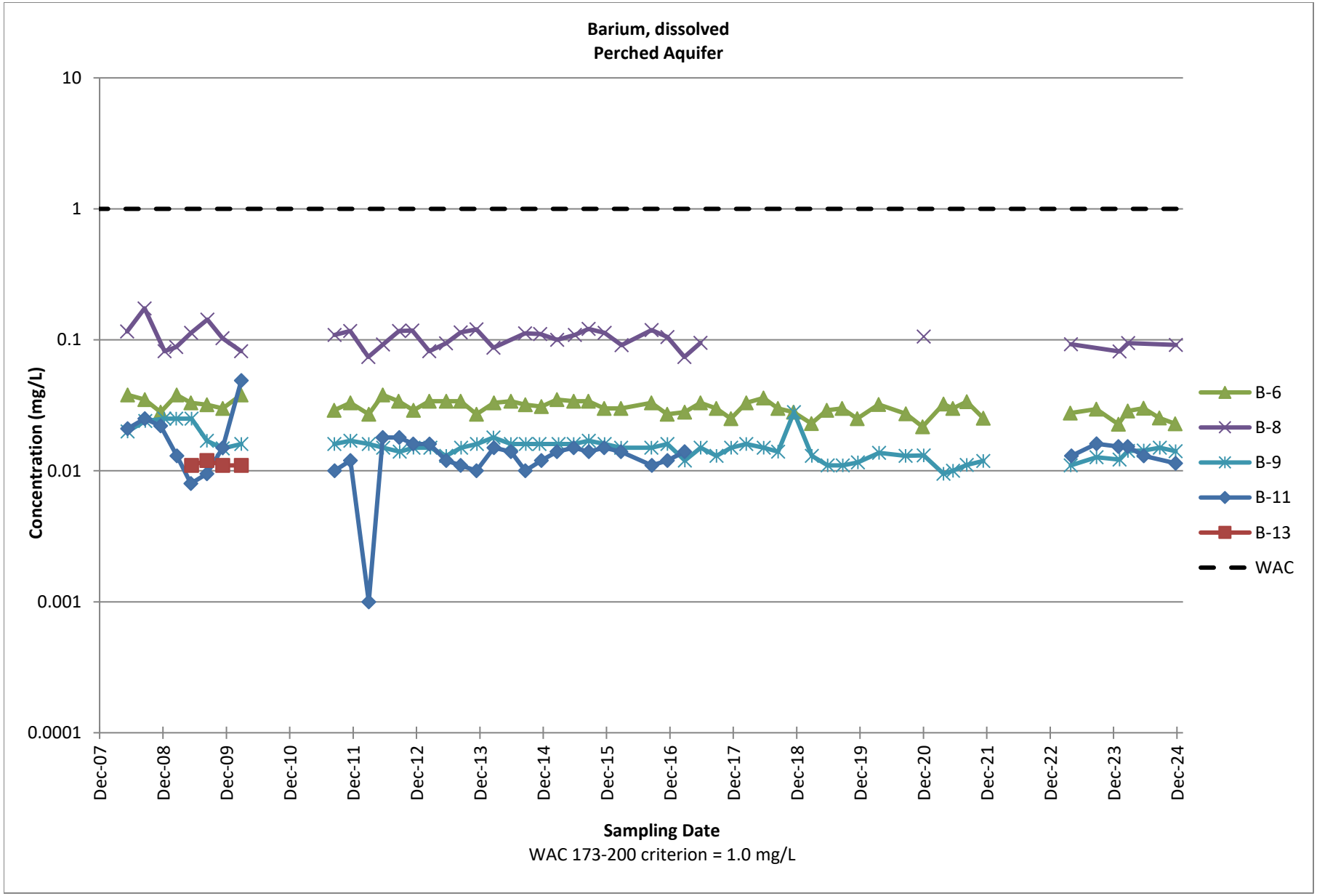
Results shown in bold exceed Ground Water Quality Criteria.

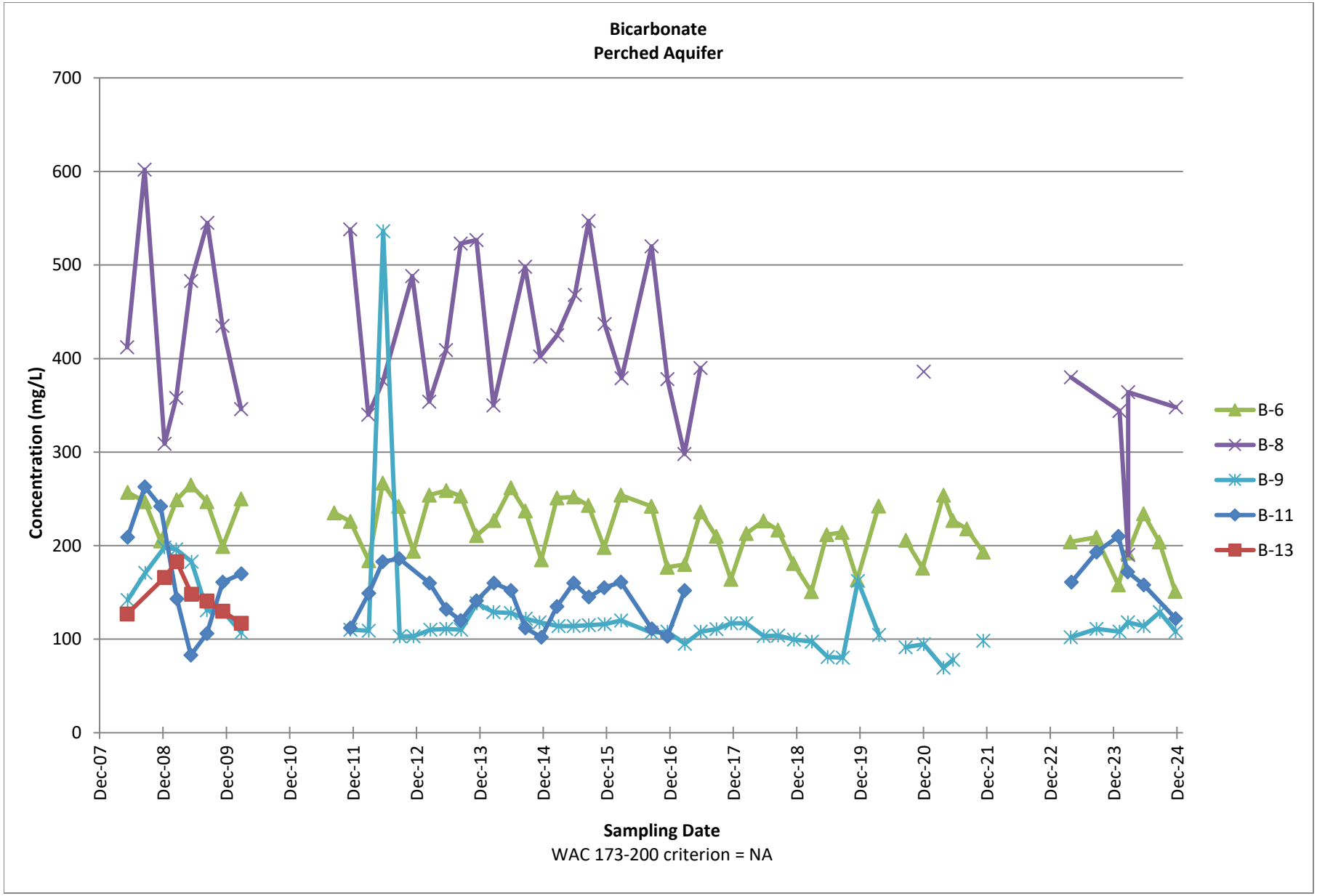
APPENDIX A-2
Long Term Time Series Plots 1994-2024 – Perched Aquifer

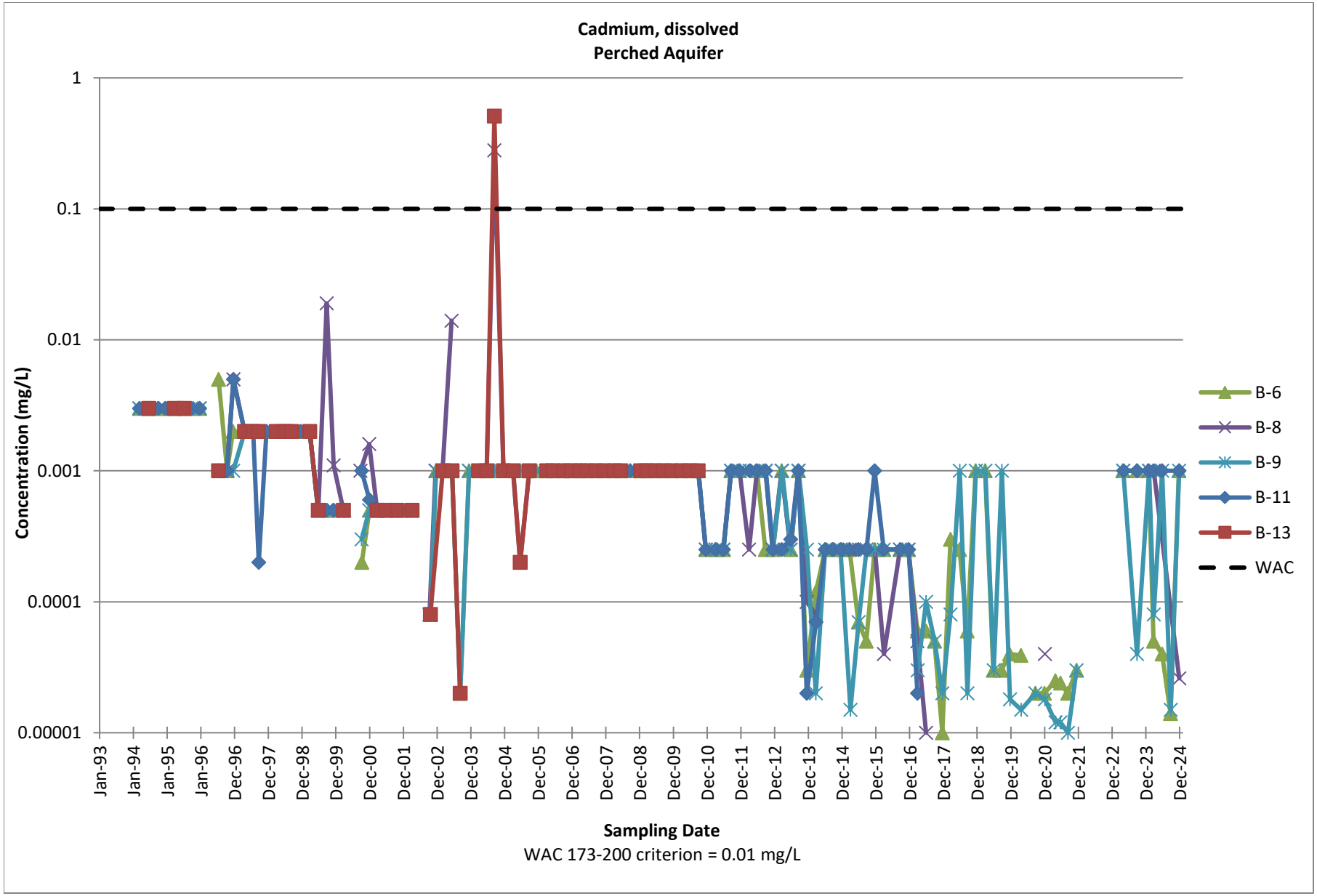

Alkalinity
Perched Aquifer
Concentration (mg/L)
700
600
500
400
300
200
100
0
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-6
B-8
B-9
B-11
B-13

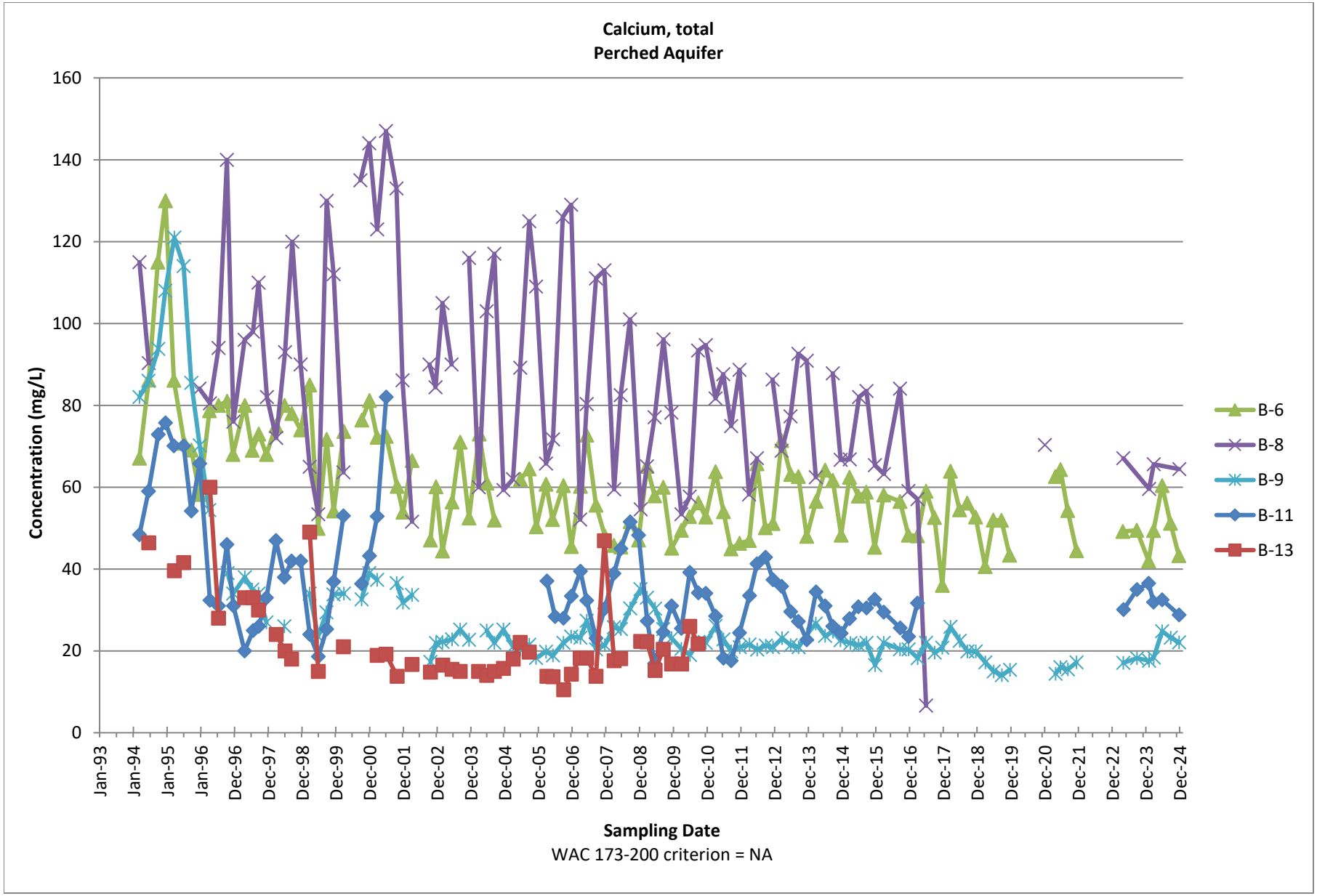

Ammonia as nitrogen
Perched Aquifer
10
1
0.1
0.01
0.001
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-6
B-8
B-9
B-11
B-13

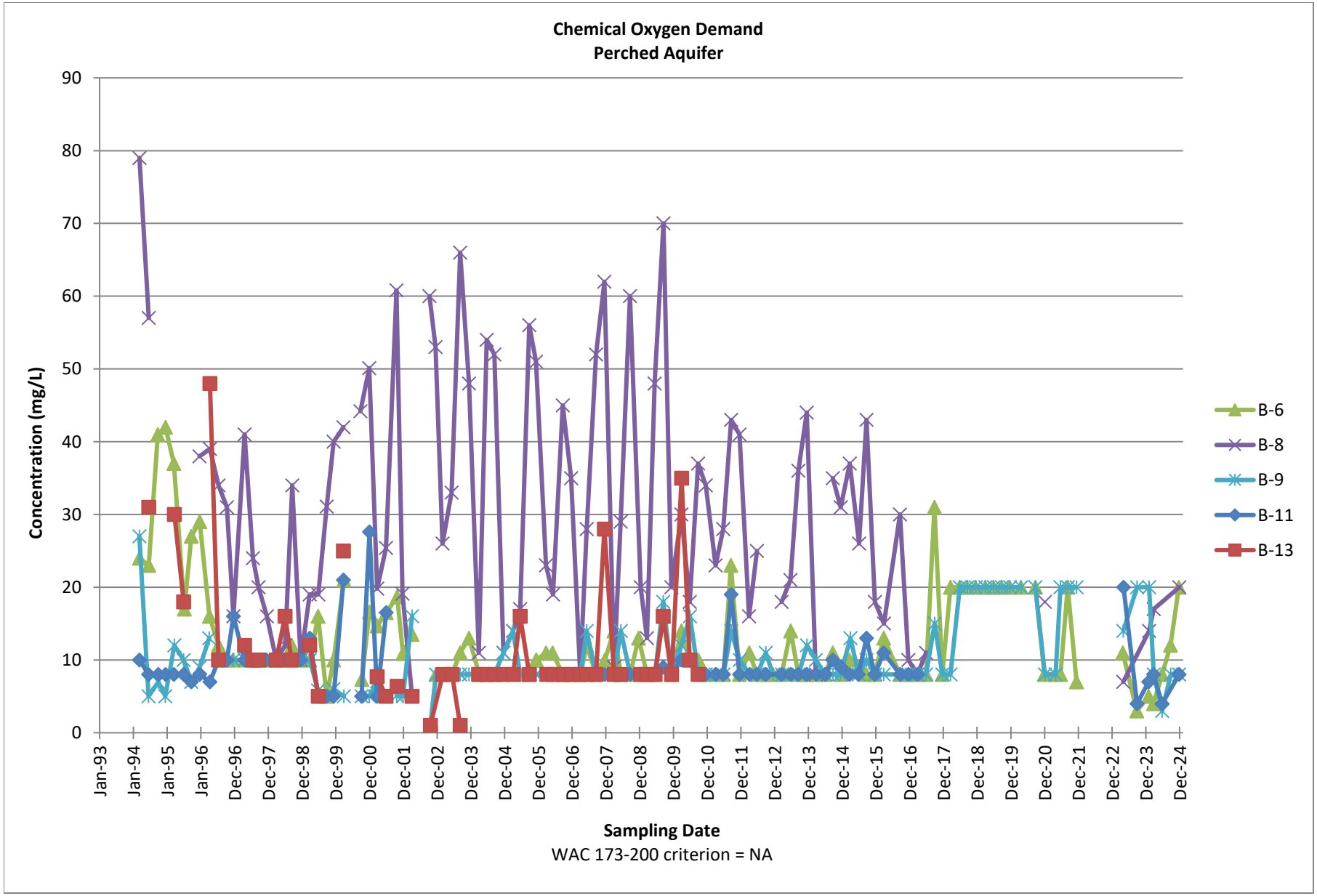

Arsenic, dissolved
Perched Aquifer
10
1
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC
WAC 173-200 criterion = 0.00005 mg/L

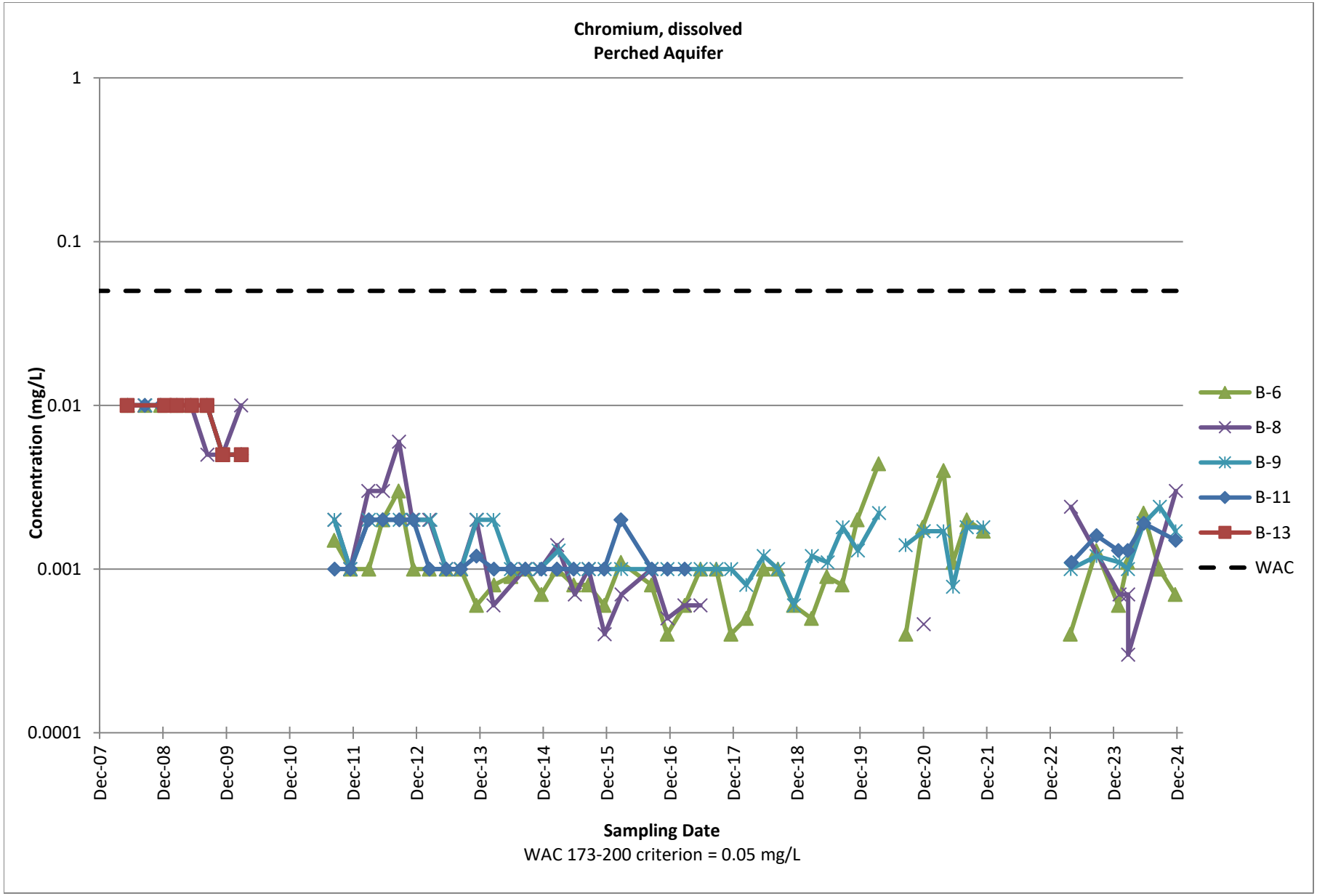

Barium, dissolved
Perched Aquifer
10
1
0.1
0.01
0.001
0.0001
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC
WAC 173-200 criterion = 1.0 mg/L

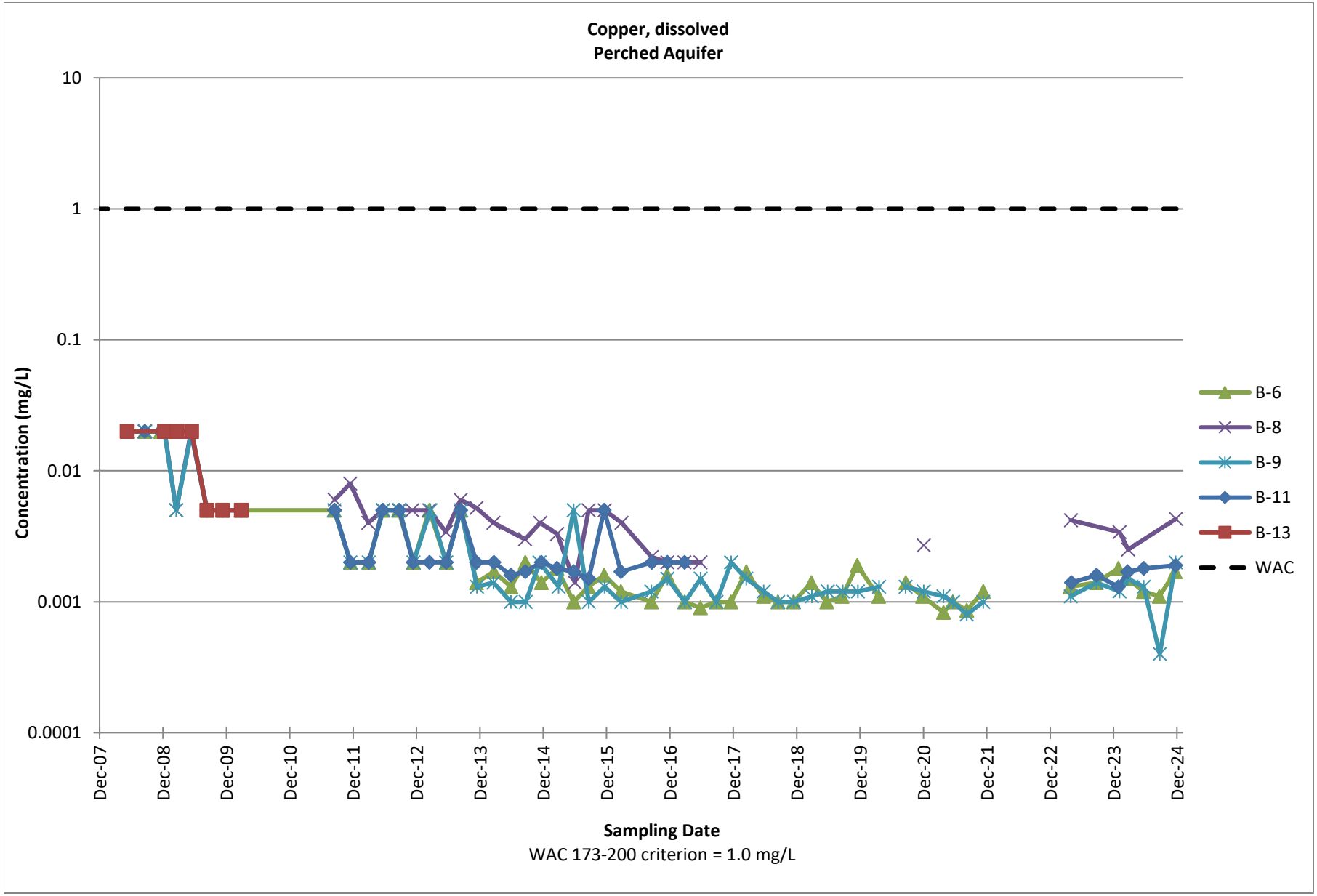

Bicarbonate
Perched Aquifer
Concentration (mg/L)
700
600
500
400
300
200
100
0
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-6
B-8
B-9
B-11
B-13

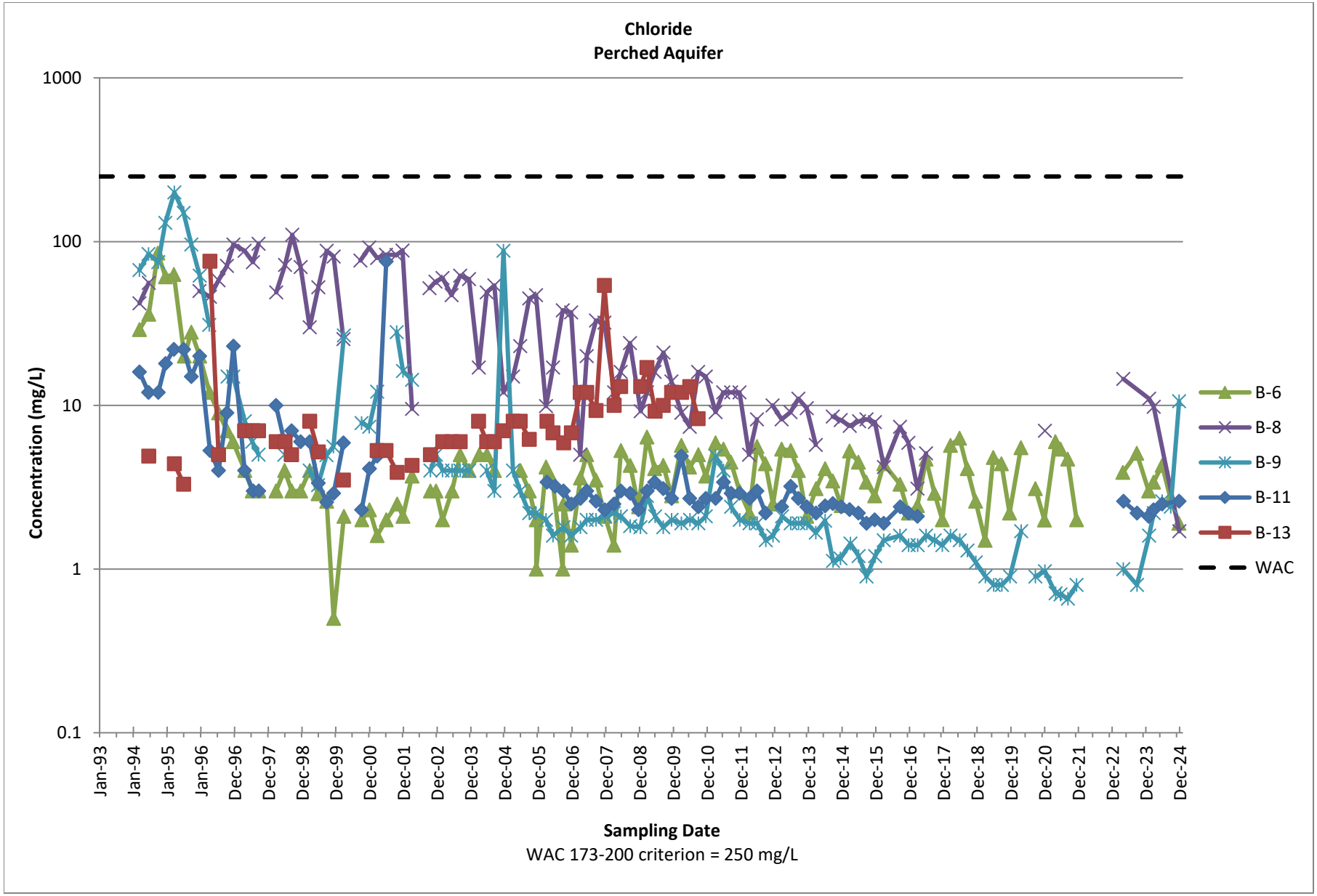

Cadmium, dissolved
Perched Aquifer
1
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC
WAC 173-200 criterion = 0.01 mg/L

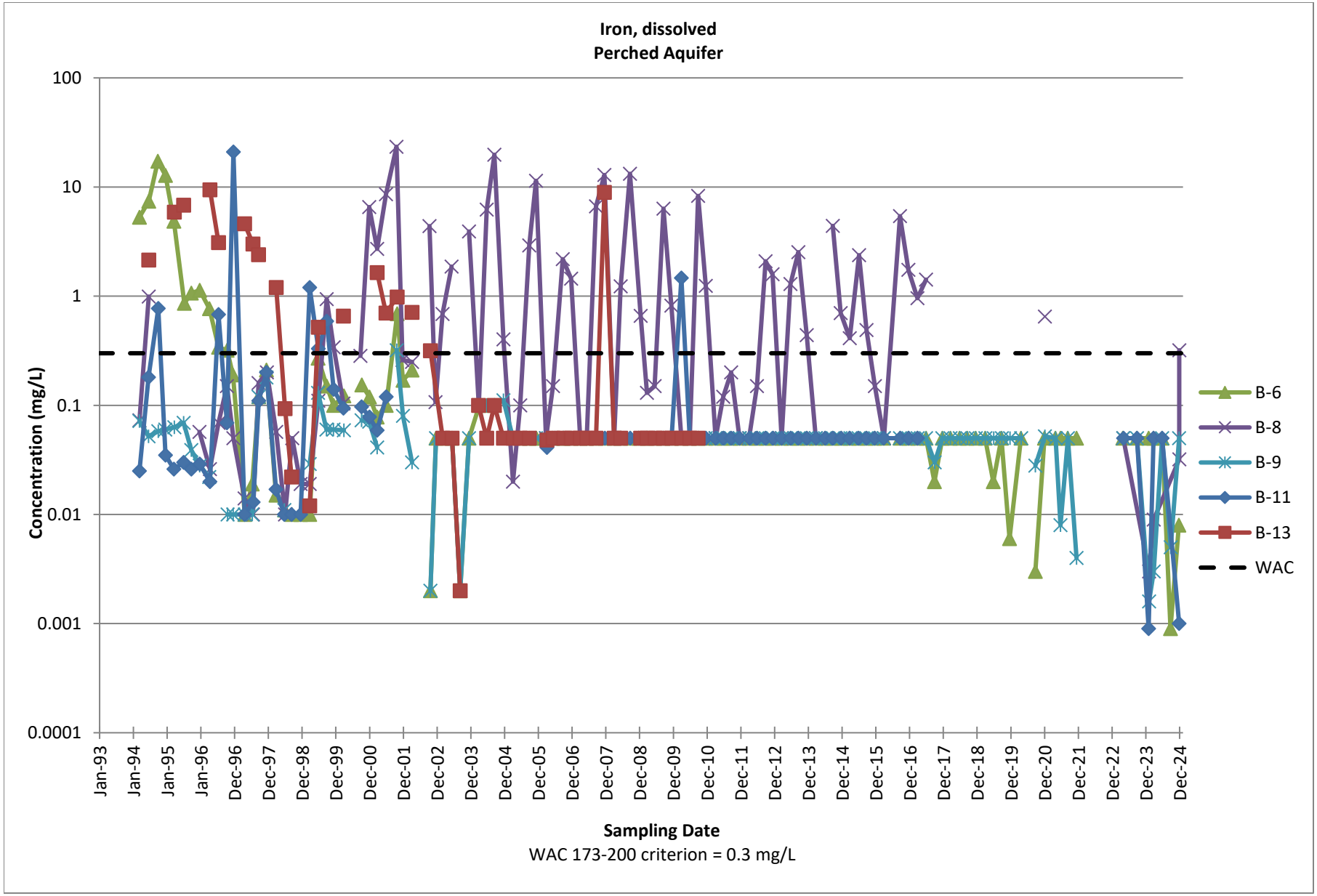

Calcium, total
Perched Aquifer
Concentration (mg/L)
160
140
120
100
80
60
40
20
0
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-6
B-8
B-9
B-11
B-13

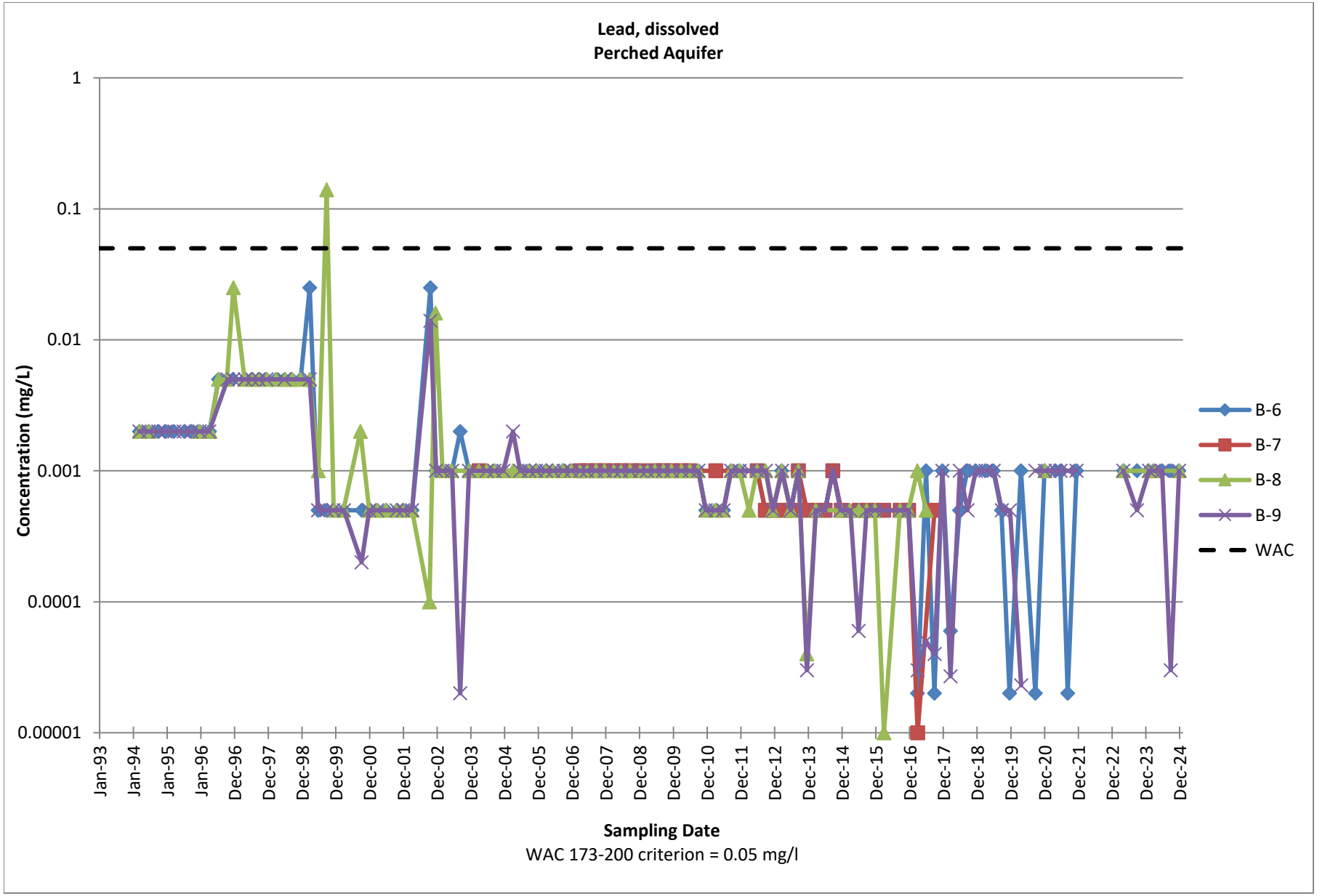

Chemical Oxygen Demand
Perched Aquifer
Concentration (mg/L)
90
80
70
60
50
40
30
20
10
0
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
B-6
B-8
B-9
B-11
B-13
Sampling Date
WAC 173-200 criterion = NA

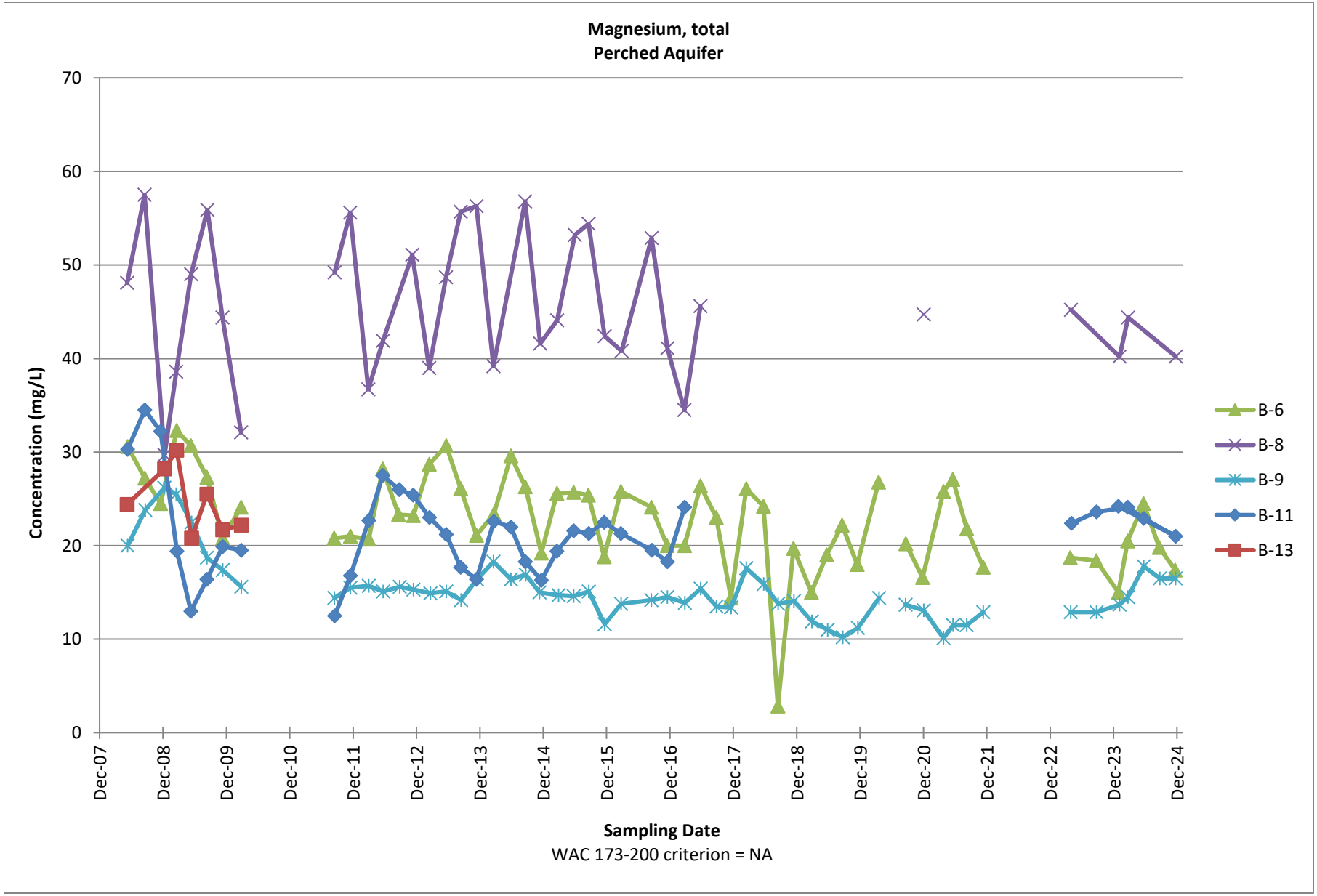

Chromium, dissolved
Perched Aquifer
1
0.1
0.01
0.001
0.0001
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC
WAC 173-200 criterion = 0.05 mg/L

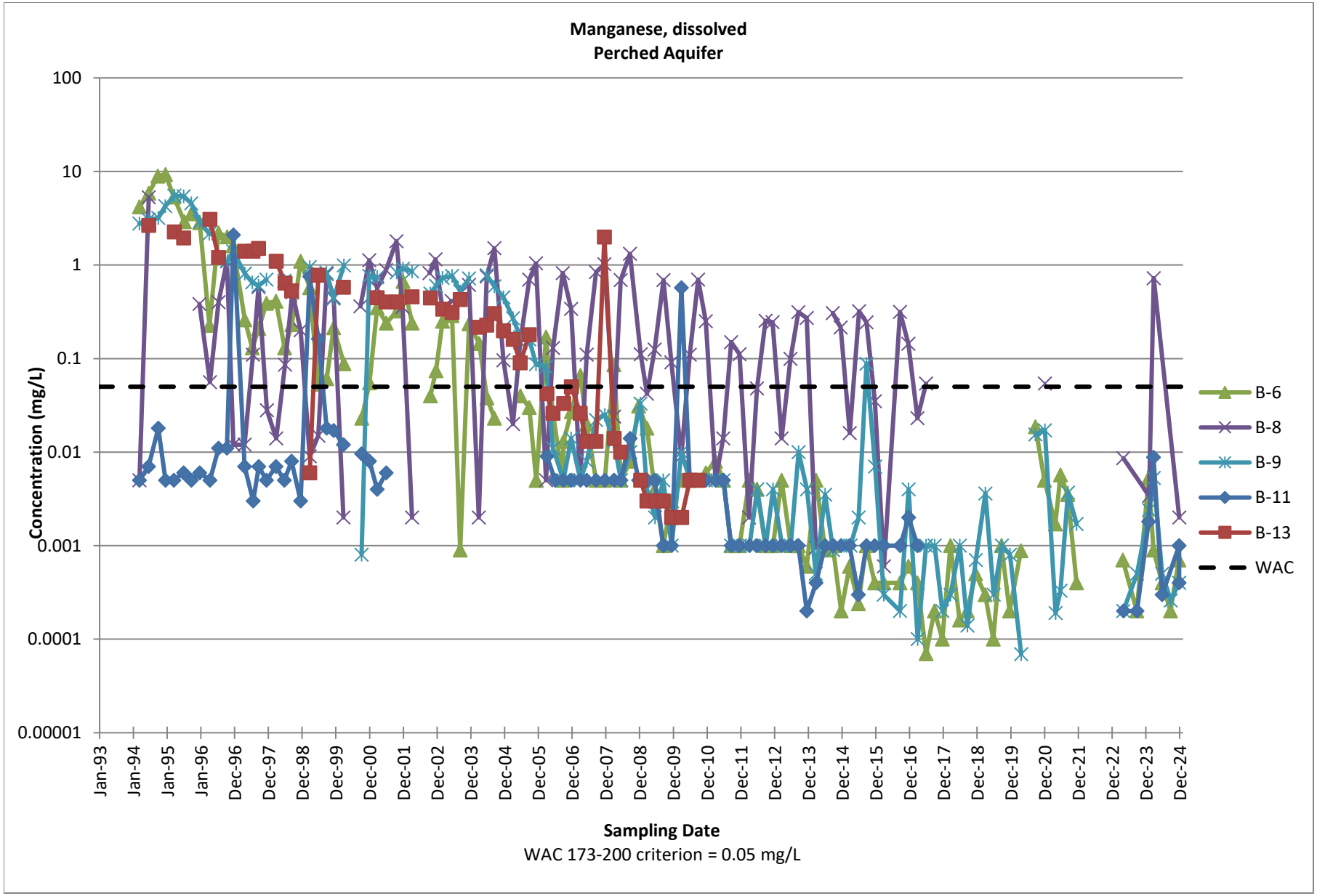

Copper, dissolved
Perched Aquifer
10
1
0.1
0.01
0.001
0.0001
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
B-6
B-8
B-9
B-11
B-13
WAC
Sampling Date
WAC 173-200 criterion = 1.0 mg/L

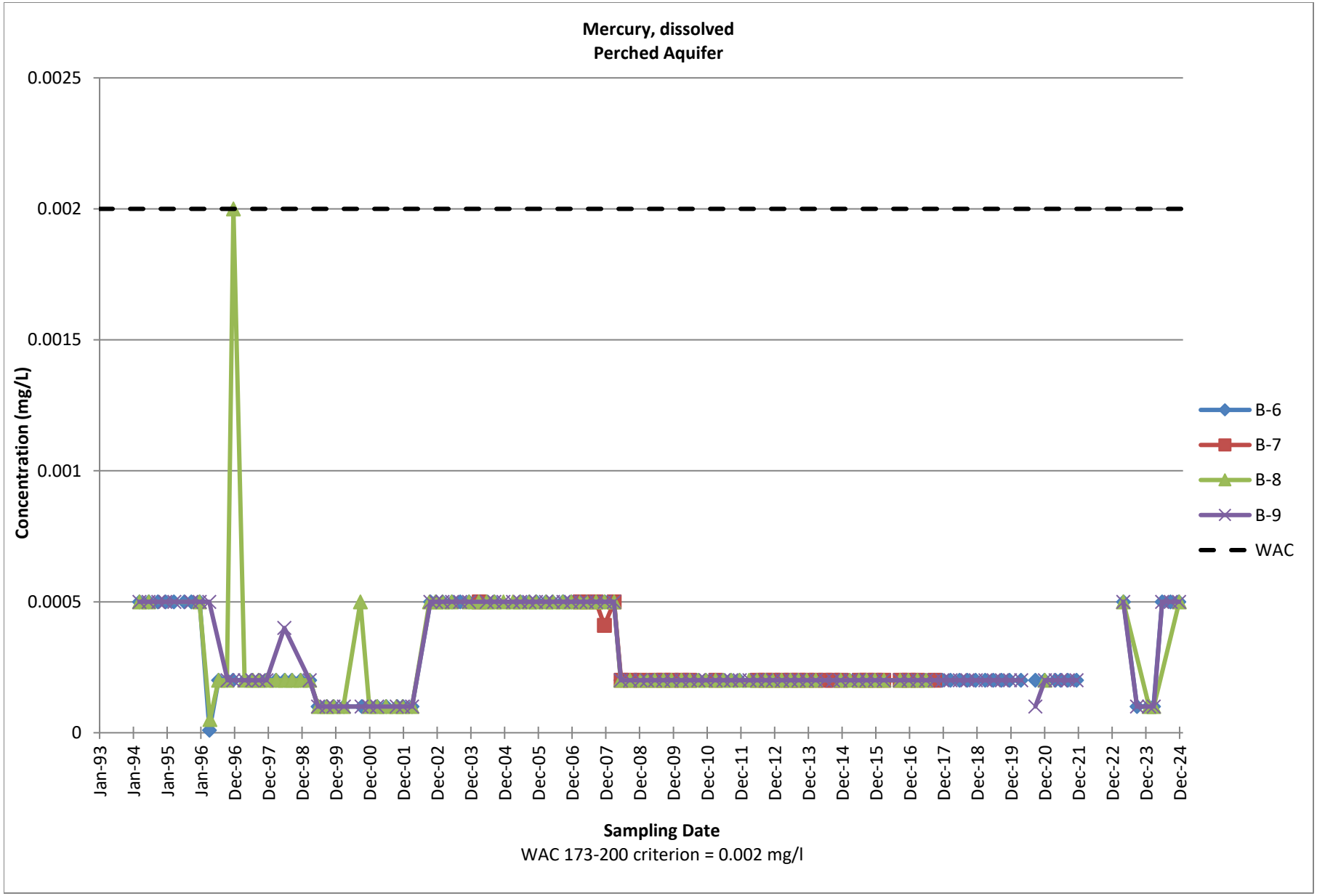

Chloride
Perched Aquifer
1000
100
10
1
0.1
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC
WAC 173-200 criterion = 250 mg/L

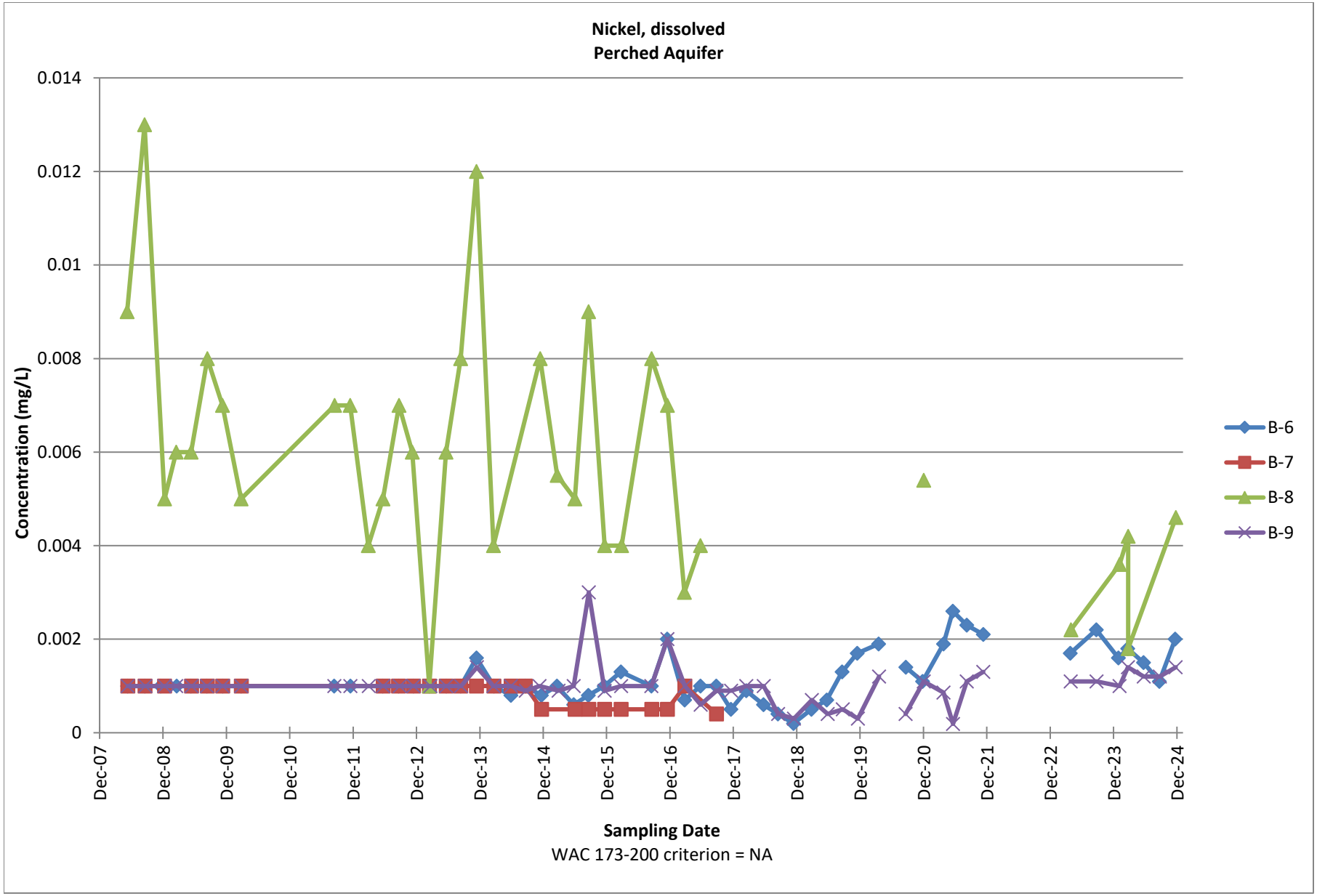

Iron, dissolved
Perched Aquifer
Concentration (mg/L)
100
10
1
0.1
0.01
0.001
0.0001
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
B-6
B-8
B-9
B-11
B-13
WAC
Sampling Date
WAC 173-200 criterion = 0.3 mg/L

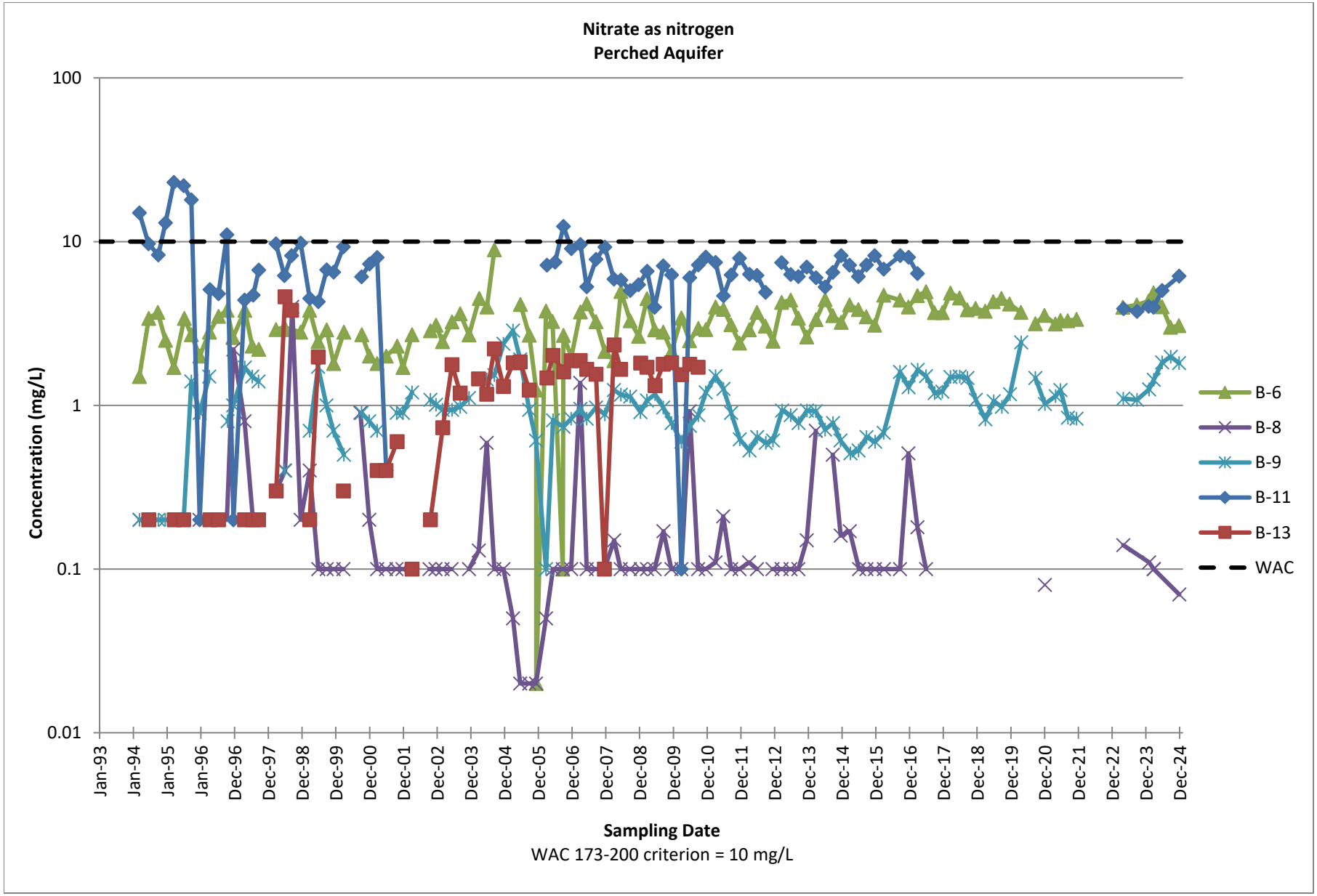

Lead, dissolved
Perched Aquifer
1
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
B-6
B-7
B-8
B-9
WAC
Sampling Date
WAC 173-200 criterion = 0.05 mg/l

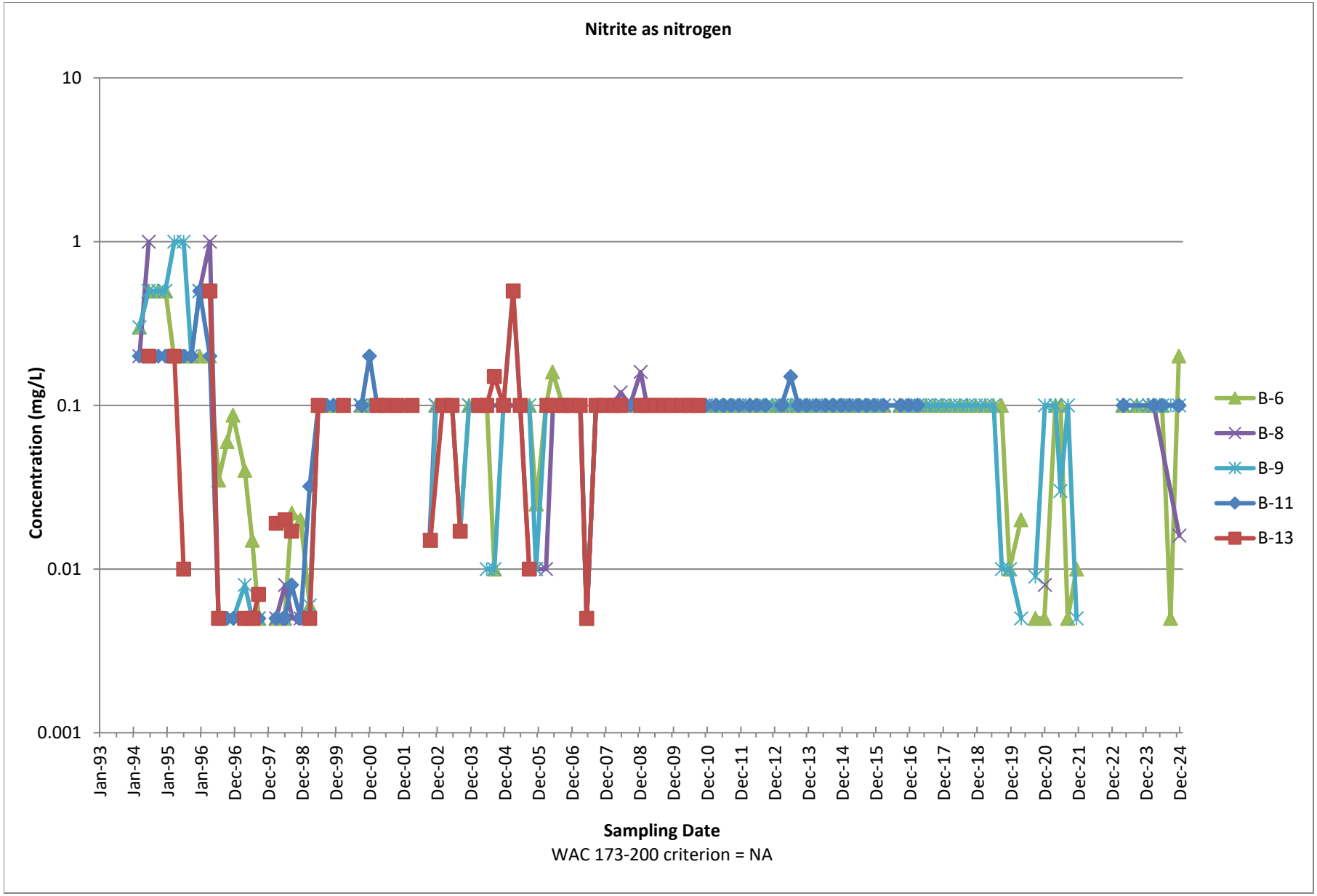

Magnesium, total
Perched Aquifer
Concentration (mg/L)
70
60
50
40
30
20
10
0
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-6
B-8
B-9
B-11
B-13

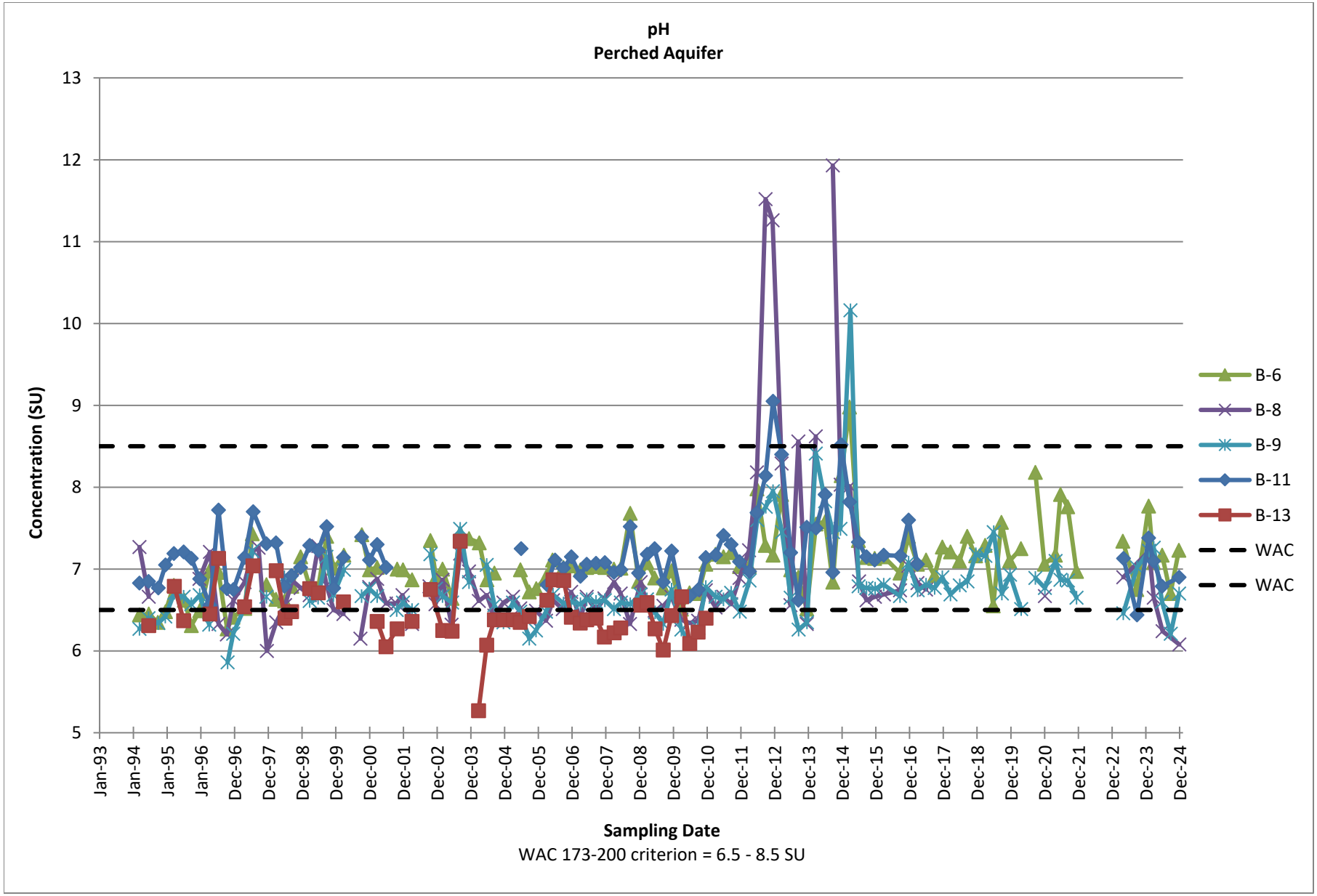

Manganese, dissolved
Perched Aquifer
100
10
1
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC
WAC 173-200 criterion = 0.05 mg/L

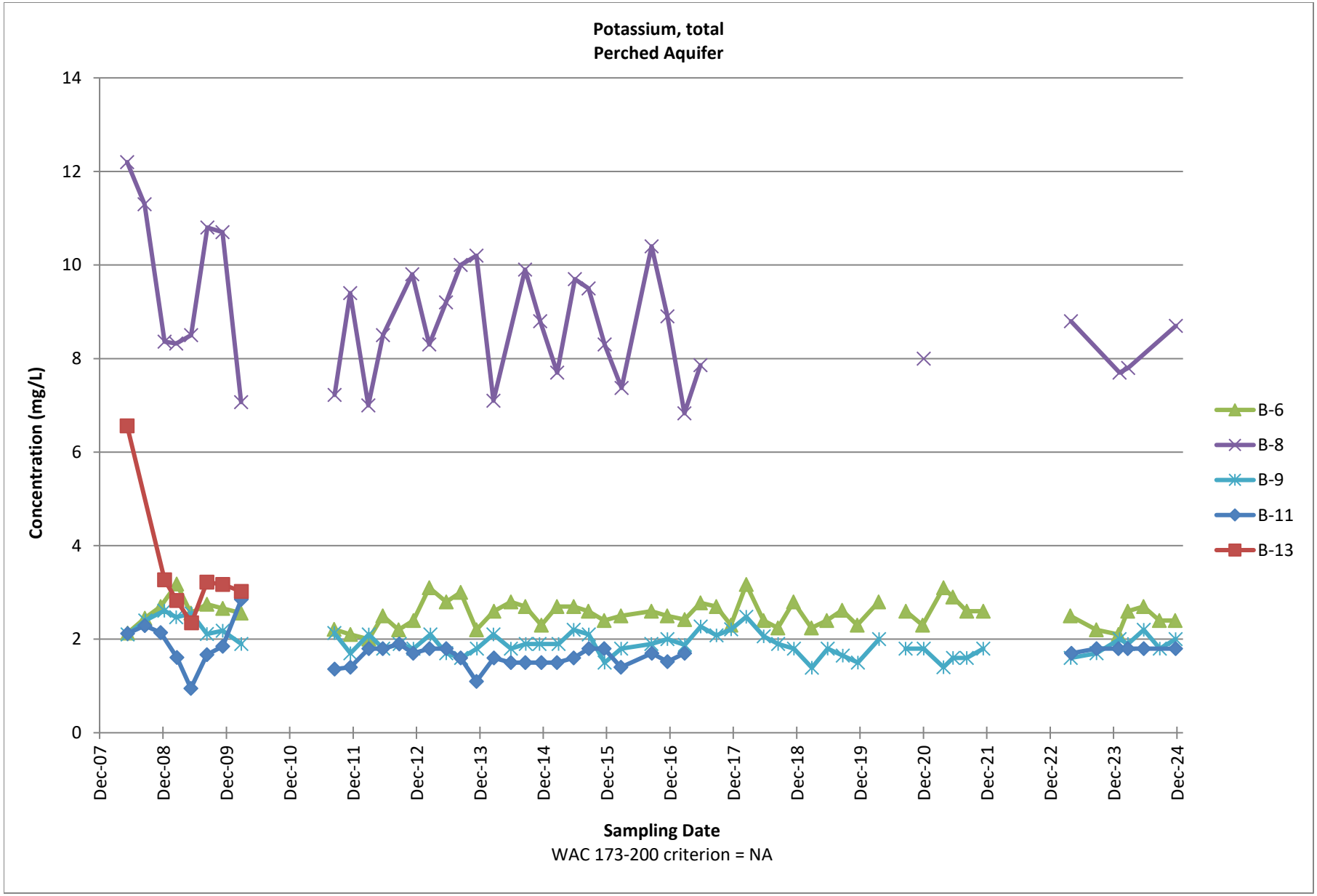

Mercury, dissolved
Perched Aquifer
0.0025
0.002
0.0015
0.001
0.0005
0
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-7
B-8
B-9
WAC
WAC 173-200 criterion = 0.002 mg/l

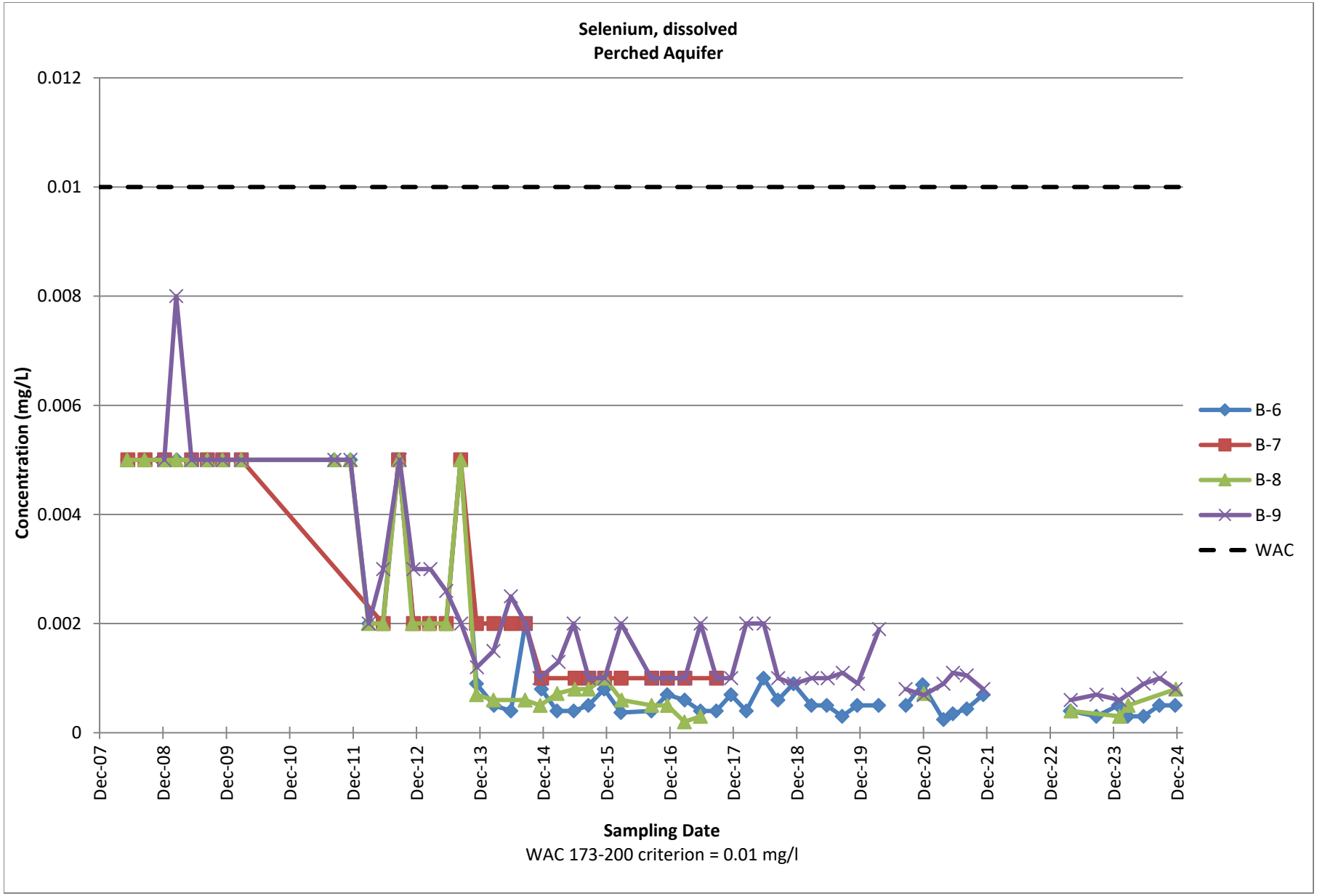

Nickel, dissolved
Perched Aquifer
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-6
B-7
B-8
B-9

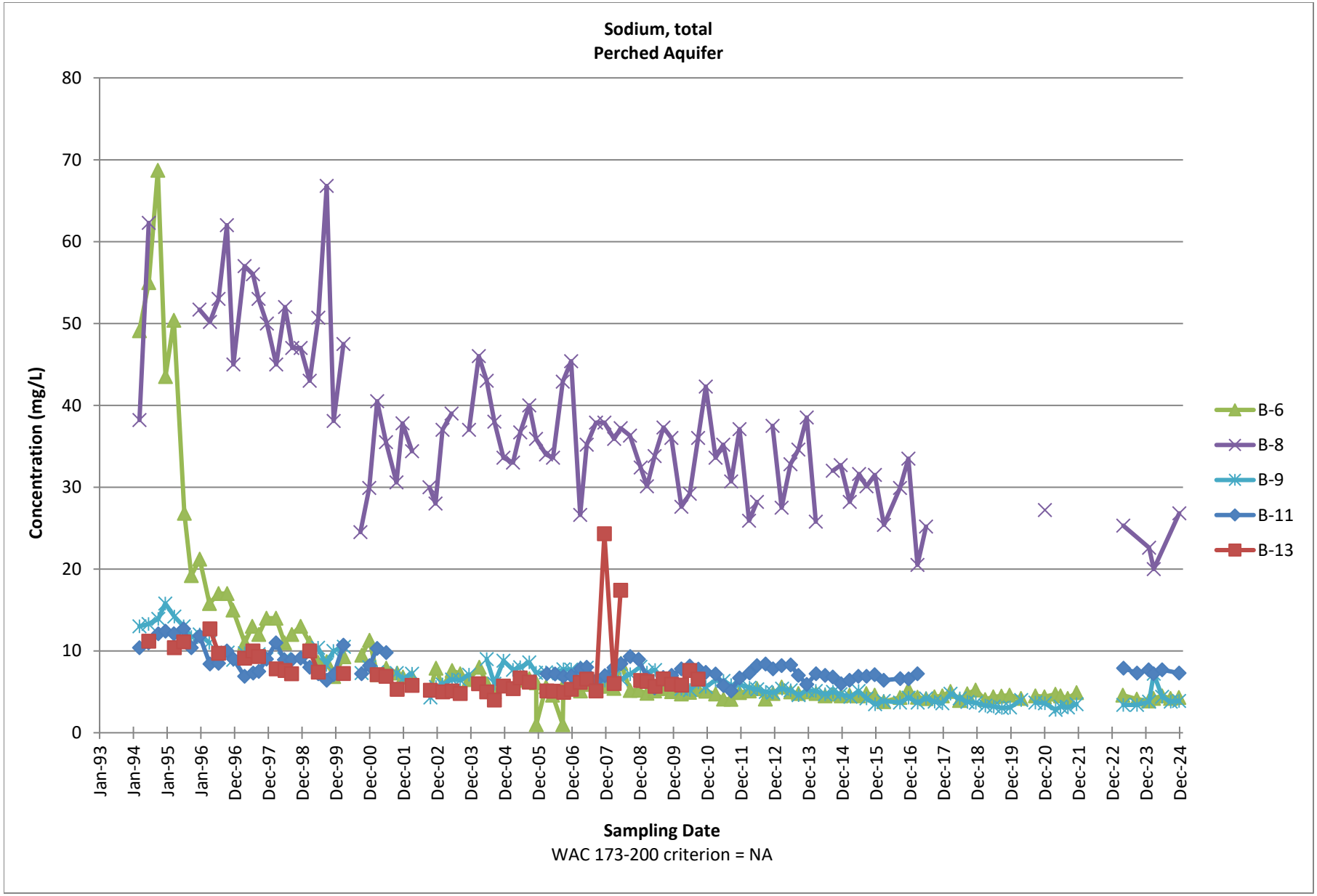

Nitrate as nitrogen
Perched Aquifer
100
10
1
0.1
0.01
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC
WAC 173-200 criterion = 10 mg/L

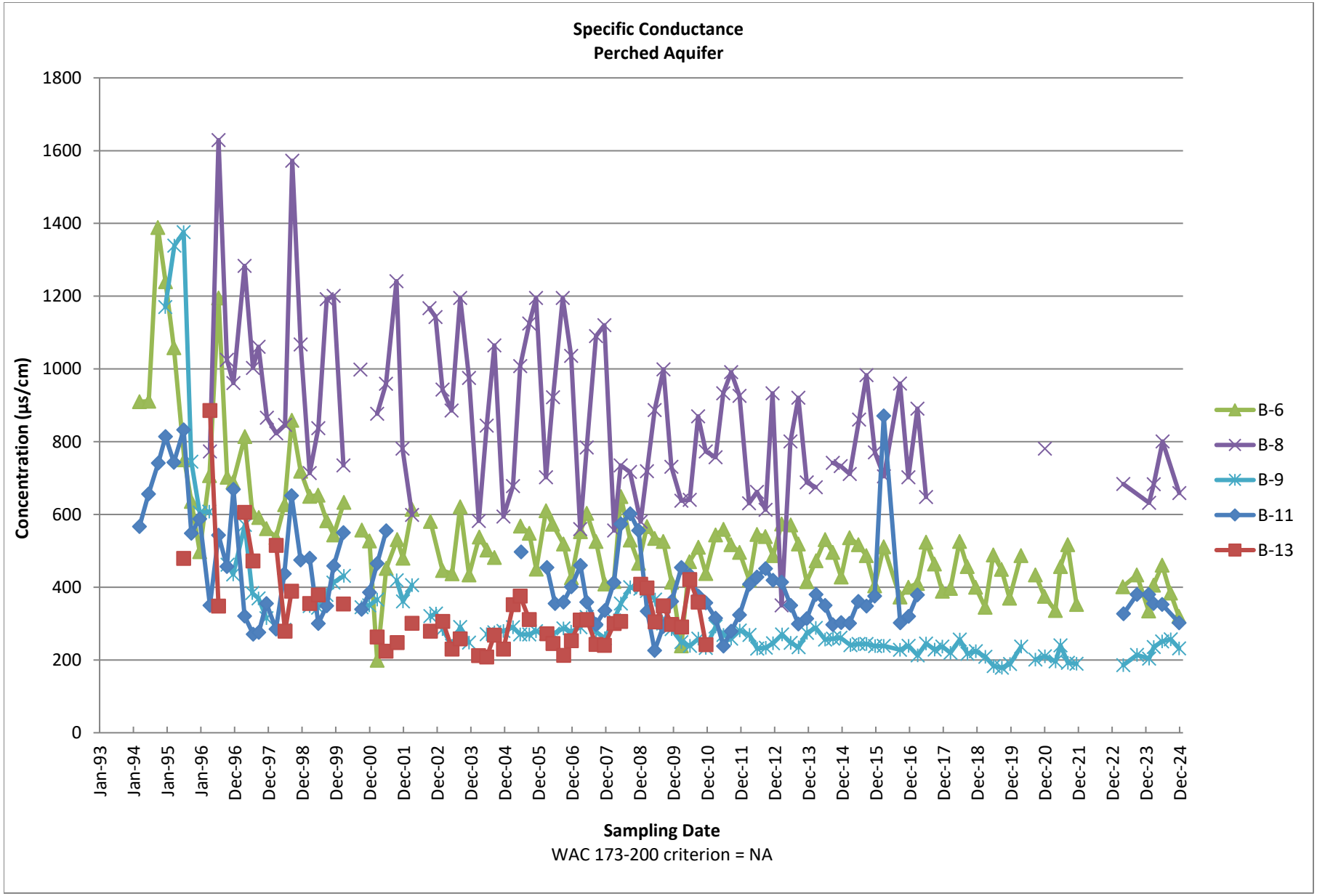

Nitrite as nitrogen
10
1
0.1
0.01
0.001
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC 173-200 criterion = NA

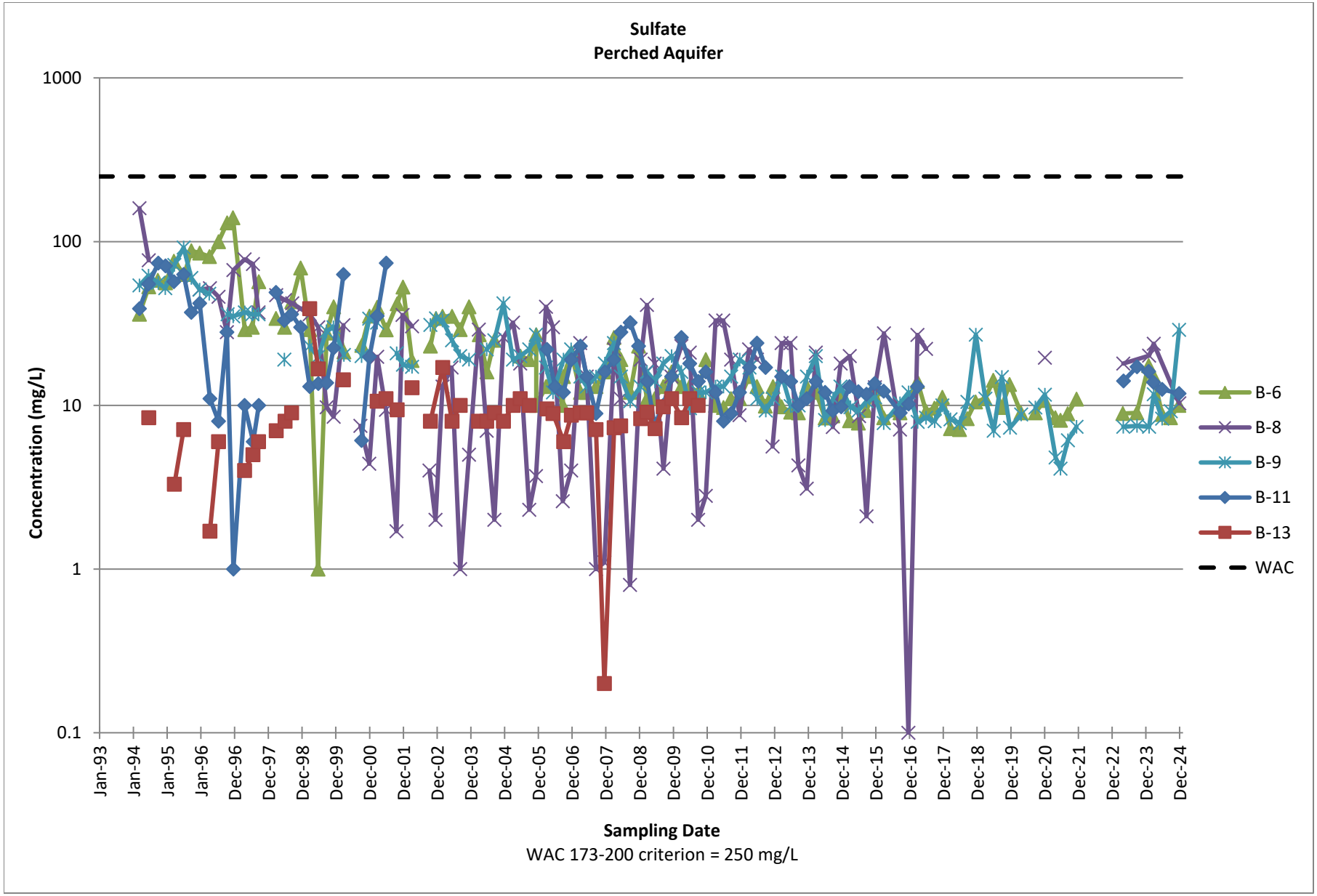

pH
Perched Aquifer
Concentration (SU)
13
12
11
10
9
8
7
6
5
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
B-6
B-8
B-9
B-11
B-13
WAC
WAC
Sampling Date
WAC 173-200 criterion = 6.5 - 8.5 SU

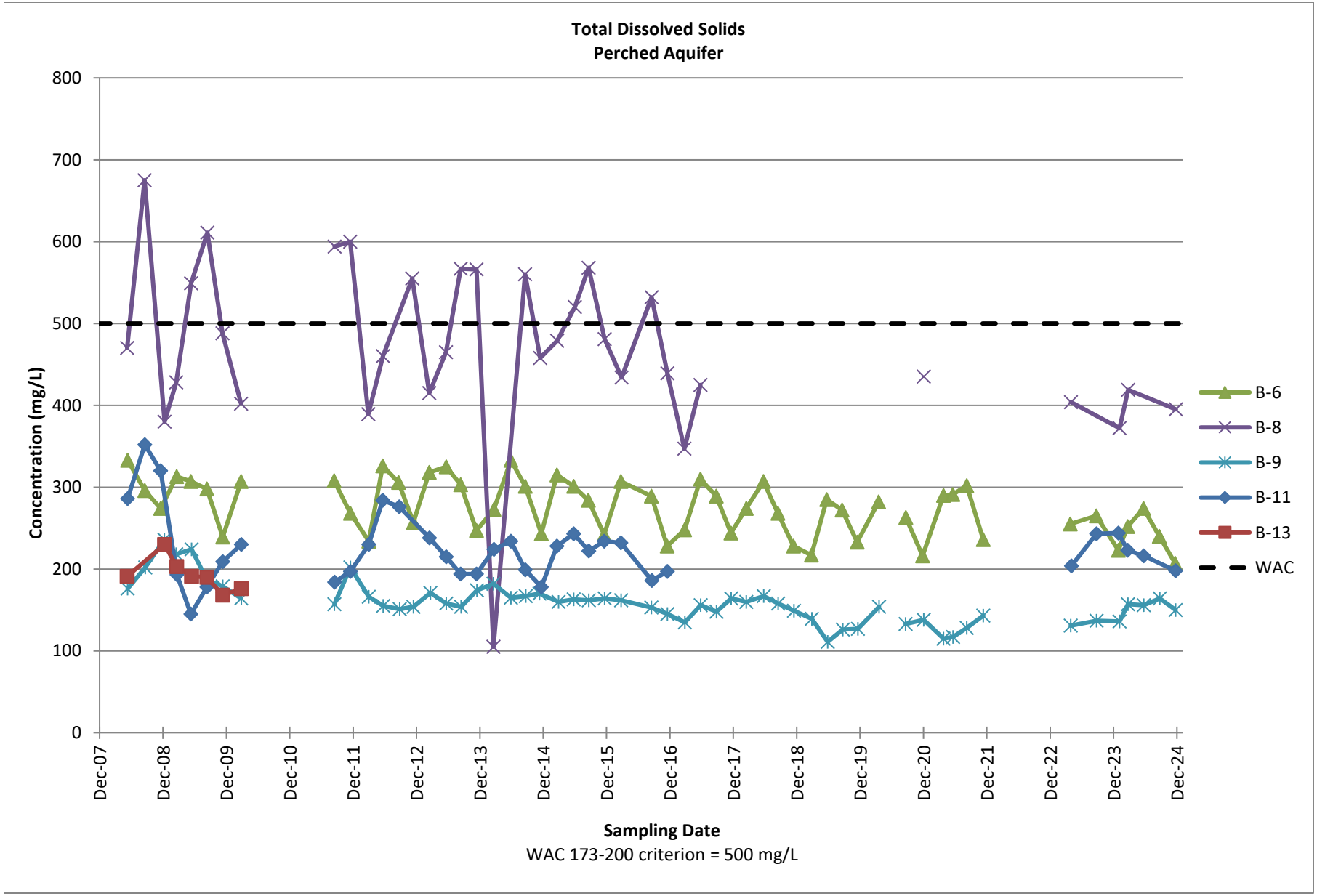

Potassium, total
Perched Aquifer
Concentration (mg/L)
14
12
10
8
6
4
2
0
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
B-6
B-8
B-9
B-11
B-13
Sampling Date
WAC 173-200 criterion = NA

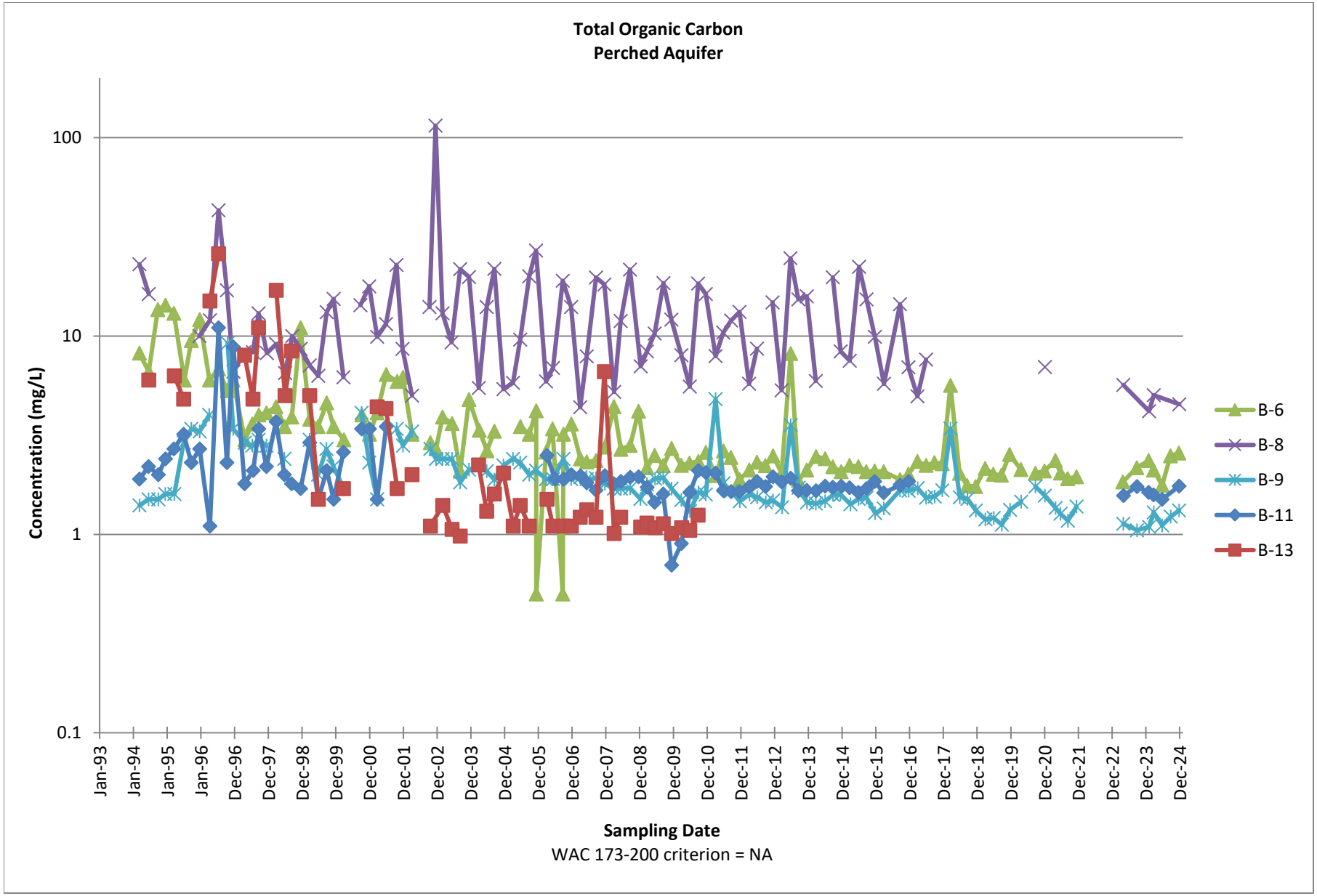

Selenium, dissolved
Perched Aquifer
0.012
0.01
0.008
0.006
0.004
0.002
0
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-7
B-8
B-9
WAC
WAC 173-200 criterion = 0.01 mg/l

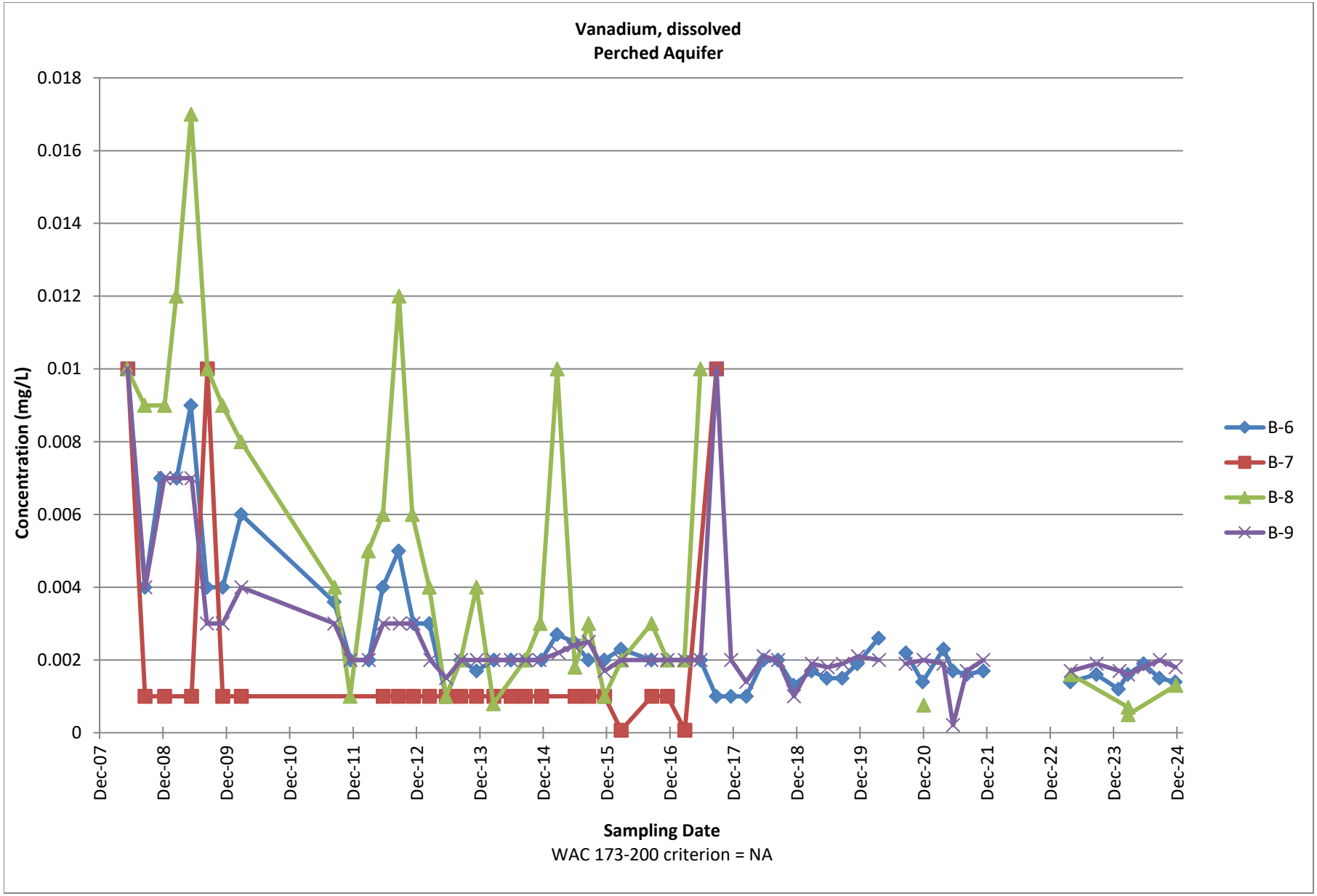

Sodium, total
Perched Aquifer
Concentration (mg/L)
80
70
60
50
40
30
20
10
0
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
B-6
B-8
B-9
B-11
B-13
Sampling Date
WAC 173-200 criterion = NA

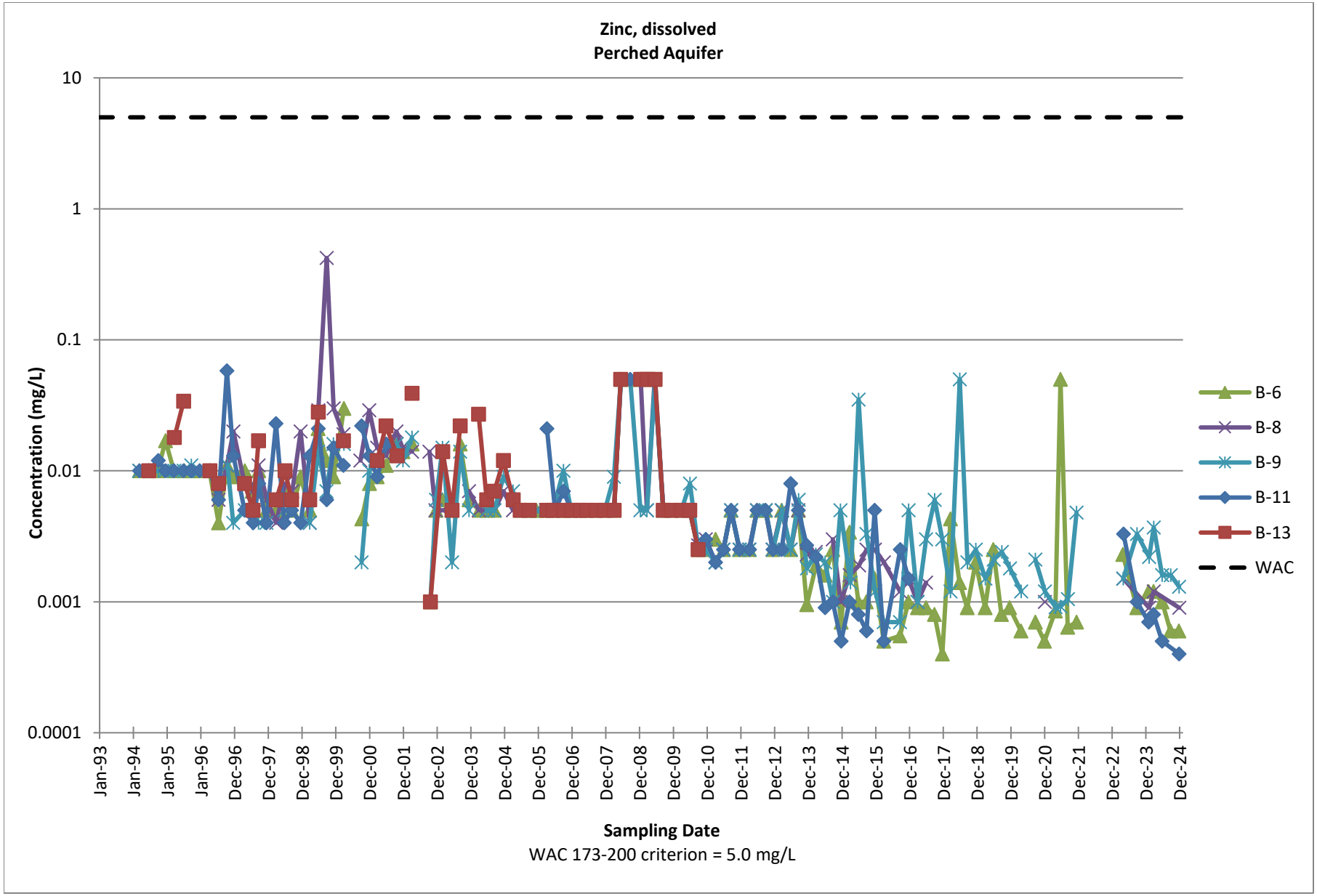

Specific Conductance
Perched Aquifer
Concentration (µs/cm)
1800
1600
1400
1200
1000
800
600
400
200
0
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC 173-200 criterion = NA


Sulfate
Perched Aquifer
1000
100
10
1
0.1
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC
WAC 173-200 criterion = 250 mg/L


Total Dissolved Solids
Perched Aquifer
Concentration (mg/L)
800
700
600
500
400
300
200
100
0
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC
WAC 173-200 criterion = 500 mg/L


Total Organic Carbon
Perched Aquifer
Concentration (mg/L)
100
10
1
0.1
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-6
B-8
B-9
B-11
B-13


Vanadium, dissolved
Perched Aquifer
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-6
B-7
B-8
B-9


Zinc, dissolved
Perched Aquifer
10
1
0.1
0.01
0.001
0.0001
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-6
B-8
B-9
B-11
B-13
WAC
WAC 173-200 criterion = 5.0 mg/L

APPENDIX B-1
2024 Groundwater Monitoring Data – Upper Regional Aquifer

2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-1	B-1	B-1	B-1
Sampling Date			3/18/2024	6/17/2024	9/16/2024	12/16/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		7 J	11	20	20 U
Total Organic Carbon	mg/L		2.08	3.88	2.09	2.12
Total Dissolved Solids †	mg/L	**500	**592**	**570**	**580**	**584**
Alkalinity †	mg/L		416	435	959	436
Bicarbonate †	mg CaCO3/L		416	435	959	436
Ammonia as nitrogen	mg/L		0.27	0.27	0.24	0.25
Nitrate as nitrogen	mg/L	*10	0.1 U	0.1 U	0.005 U	0.0074 J
Nitrite as nitrogen	mg/L		0.1 U	0.1 U	0.012	0.013
Chloride	mg/L	**250	72.5	67.2	75.9	70.4
Sulfate	mg/L	**250	6.8	5.9	7.2	7.6
pH	SU	**6.5-8.5	7.08	6.98	**6.4**	7.26
Specific Conductance	µS/cm		965	927	953	963
Temperature	C		10.43	10.63	10.65	0.48
METALS						
Dissolved Antimony †	µg/L		1.0 U	0.1 J	0.2 J	0.1 J
Dissolved Arsenic	µg/L	***0.05	**21.1**	**42.1**	**33.3**	**39.5**
Dissolved Barium †	µg/L	*1000	32.9	35.8	34.1	36.9
Dissolved Cadmium	µg/L	*10	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Chromium †	µg/L	*50	1.0	3.2	1.3	1.8
Dissolved Cobalt †	µg/L		0.8 J	1.6	0.8 J	1.2
Dissolved Copper †	µg/L	**1000	0.4 J	0.3 J	2.0 U	0.4 J
Dissolved Iron	µg/L	**300	4 J	**3,020**	**2,830**	**3,000**
Dissolved Lead	µg/L	*50	1.0 U	0.1 J	0.1 J	1.0 U
Dissolved Manganese	µg/L	**50	**2,640**	**2,780**	**2,630**	**2,750**
Dissolved Mercury	µg/L	*2	0.1 U	0.5 U	0.5 U	0.5 U
Dissolved Nickel †	µg/L		7.1	6.5	5.6	7.9
Dissolved Selenium †	µg/L	*10	1.0	0.6 J	0.9 J	1.4
Dissolved Vanadium †	µg/L		0.4 J	1.7	1.3	1.6
Dissolved Zinc	µg/L	**5000	0.9 J	0.8 J	0.3 J	0.5 J
Total Arsenic	µg/L	***0.05	NT	NT	**33.6**	**37.2**
Total Calcium	µg/L		86,400	87,700	88,400	92,900
Total Iron	µg/L	**300	NT	NT	**3,010**	**3,210**
Total Magnesium †	µg/L		62,800	56,600	60,500	65,200
Total Manganese	µg/L	**50	NT	NT	**2,670**	**2,990**
Total Potassium †	µg/L		5,900	5,900	5,800	6,000
Total Sodium	µg/L		17,300	17,900	16,900	17,900

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen

Units:

mg/L = milligrams per liter
µg/L = micrograms per liter
SU = standard units
µS/cm = microsiemens per centimeter
C = degrees centigrade
mg CaCO3/L = milligrams of calcium carbonate per liter

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of detection indicated.

J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

NT — Not tested.

Results shown in bold exceed Ground Water Quality Criteria.

† Indicates supplement analytes measured due to Ecology request

2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-2	B-2	B-2	B-2
Sampling Date			3/20/2024	6/20/2024	9/19/2024	12/20/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		4 J	8 J	20 U	20 U
Total Organic Carbon	mg/L		1.14	1.26	1.07	0.82
Total Dissolved Solids †	mg/L	**500	202	226	231	230
Alkalinity †	mg/L		124	129	146	142
Bicarbonate †	mg CaCO3/L		124	129	146	141
Ammonia as nitrogen	mg/L		0.01 U	0.006 J	0.01 U	0.01 U
Nitrate as nitrogen	mg/L	*10	1.36	1.64	1.88	1.66
Nitrite as nitrogen	mg/L		0.1 U	0.1 U	0.1 U	0.031
Chloride	mg/L	**250	6.5	9.3	11.7	29.5
Sulfate	mg/L	**250	26.5	35.7	27.9	0.2 U
pH	SU	**6.5-8.5	6.75	6.52	7.24	6.97
Specific Conductance	µS/cm		307	350	364	350
Temperature	C		10.83	11.33	11.27	10.88
METALS						
Dissolved Antimony †	µg/L		0.1 J	0.1	0.2	0.3 J
Dissolved Arsenic	µg/L	***0.05	0.8 J	**0.8**	**0.9**	0.9 J
Dissolved Barium †	µg/L	*1000	21.9	24.4	26.6	26.9
Dissolved Cadmium	µg/L	*10	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Chromium †	µg/L	*50	1.1	1.5	1.9	1.5
Dissolved Cobalt †	µg/L		0.1 J	0.3	0.3	0.3 J
Dissolved Copper †	µg/L	**1000	0.5 J	1.2	0.6	0.8 J
Dissolved Iron	µg/L	**300	50 U	50 U	1 J	50 U
Dissolved Lead	µg/L	*50	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Manganese	µg/L	**50	0.25 J	0.4	0.4	0.4 J
Dissolved Mercury	µg/L	*2	0.1 U	0.5 U	0.5 U	0.5 U
Dissolved Nickel †	µg/L		1.8	1.7	1.8	2.1
Dissolved Selenium †	µg/L	*10	1.9	2.0	3.4	3.1
Dissolved Vanadium †	µg/L		1.8	1.7	2.0	1.8
Dissolved Zinc	µg/L	**5000	0.7 J	0.9	0.6	2.5 U
Total Arsenic	µg/L	***0.05	NT	NT	10.0 U	**0.9**
Total Calcium	µg/L		26,700	32,800	32,100	35,400
Total Iron	µg/L	**300	NT	NT	6 J	12
Total Magnesium †	µg/L		11,200	12,800	12,600	14,100
Total Manganese	µg/L	**50	NT	NT	9	19
Total Potassium †	µg/L		22,600	22,200	22,600	24,200
Total Sodium	µg/L		8,400	9,000	9,200	9,700

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen

Units:

mg/L = milligrams per liter
µg/L = micrograms per liter
SU = standard units
µS/cm = microsiemens per centimeter
C = degrees centigrade
mg CaCO3/L = milligrams of calcium carbonate per liter

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of detection indicated.

J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

NT — Not tested.

Results shown in bold exceed Ground Water Quality Criteria.

† Indicates supplement analytes measured due to Ecology request

2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-3	B-3	B-3	B-3
Sampling Date			3/20/2024	6/20/2024	9/19/2024	12/20/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		21	10 J	3 J	20 U
Total Organic Carbon	mg/L		4.18	2.21	1.47	4.37
Total Dissolved Solids †	mg/L	**500	255	200	176	293
Alkalinity †	mg/L		190	142	125	207
Bicarbonate †	mg CaCO3/L		190	142	125	212
Ammonia as nitrogen	mg/L		1.44	1.16	0.92	1.61
Nitrate as nitrogen	mg/L	*10	0.1 U	0.1 U	0.1 U	0.1 U
Nitrite as nitrogen	mg/L		0.1 U	0.1 U	0.1 U	0.04
Chloride	mg/L	**250	25.1	15.1	9.6	29.7
Sulfate	mg/L	**250	0.2 U	0.2 U	0.2 U	0.2 U
pH	SU	**6.5-8.5	6.76	6.94	7.97	**6.45**
Specific Conductance	µS/cm		430	312	258	478
Temperature	C		13.28	14.11	13.56	13.32
METALS						
Dissolved Antimony †	µg/L		1.0 U	5.0 U	1.0 U	1.0 U
Dissolved Arsenic	µg/L	***0.05	**2.9**	**2.7**	**2.2**	**3.5**
Dissolved Barium †	µg/L	*1000	113.0	87.4	67.0	152.0
Dissolved Cadmium	µg/L	*10	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Chromium †	µg/L	*50	0.3 J	0.7	0.8	0.4 J
Dissolved Cobalt †	µg/L		0.4 J	0.4	0.2	0.4 J
Dissolved Copper †	µg/L	**1000	2.0 U	0.1	2.0 U	0.2 J
Dissolved Iron	µg/L	**300	**6,380**	**5,000**	**3,430**	**9,000**
Dissolved Lead	µg/L	*50	1.0 U	1.0 U	0.1	1.0 U
Dissolved Manganese	µg/L	**50	**722**	**468**	**342**	**986**
Dissolved Mercury	µg/L	*2	0.1 U	0.5 U	0.5 U	0.5 U
Dissolved Nickel †	µg/L		1.8	0.9	0.5	2.0
Dissolved Selenium †	µg/L	*10	0.4 J	0.1	1.0 U	0.7 J
Dissolved Vanadium †	µg/L		0.5 J	0.4	0.4	0.6 J
Dissolved Zinc	µg/L	**5000	0.4 J	0.6	0.4	2.5 U
Total Arsenic	µg/L	***0.05	NT	NT	5.0 J	**3.2**
Total Calcium	µg/L		31,900	22,400	19,400	39,500
Total Iron	µg/L	**300	NT	NT	**3,310**	**9,050**
Total Magnesium †	µg/L		22,700	14,800	12,600	26,200
Total Manganese	µg/L	**50	NT	NT	**407**	**997**
Total Potassium †	µg/L		6,000	4,500	4,600	6,000
Total Sodium	µg/L		14,300	10,500	9,600	14,800

Groundwater Quality Criteria:

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** = Secondary Contaminant
*** = Carcinogen

Units:

mg/L = milligrams per liter
µg/L = micrograms per liter
SU = standard units
µS/cm = microsiemens per centimeter
C = degrees centigrade
mg CaCO3/L = milligrams of calcium carbonate per liter

Qualifiers:

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NT — Not tested.

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2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-4	B-4	B-4	B-4
Sampling Date			3/19/2024	6/18/2024	9/18/2024	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		8 U	13 J	15 J	8 U
Total Organic Carbon	mg/L		1.49	1.49	1.55	1.71
Total Dissolved Solids †	mg/L	**500	**531**	**549**	**558**	**509**
Alkalinity †	mg/L		301	317	309	316
Bicarbonate †	mg CaCO3/L		301	317	309	316
Ammonia as nitrogen	mg/L		0.78	0.79	0.78	0.85
Nitrate as nitrogen	mg/L	*10	0.1 U	0.1 U	0.1 U	0.1 U
Nitrite as nitrogen	mg/L		0.1 U	0.1 U	0.1 U	0.1 U
Chloride	mg/L	**250	83.9	81.2	78.5	76.1
Sulfate	mg/L	**250	42.7	42.7	42.5	41.7
pH	SU	**6.5-8.5	7.13	6.65	**6.13**	6.77
Specific Conductance	µS/cm		876	905	864	828
Temperature	C		10.4	10.56	10.48	10.27
METALS						
Dissolved Antimony †	µg/L		1.0 U	1.0 U	1.0 U	0.2 J
Dissolved Arsenic	µg/L	***0.05	**1.7**	**2.3**	**2.0**	**2.6**
Dissolved Barium †	µg/L	*1000	74.6	79.5	79.7	79.4
Dissolved Cadmium	µg/L	*10	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Chromium †	µg/L	*50	0.3 J	2.1	2.7	1.8
Dissolved Cobalt †	µg/L		0.3 J	0.4 J	0.4 J	0.2 J
Dissolved Copper †	µg/L	**1000	0.2 J	0.2 J	2.0 U	0.3 J
Dissolved Iron	µg/L	**300	**3,730**	**4,480**	**4,690**	**4,240**
Dissolved Lead	µg/L	*50	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Manganese	µg/L	**50	**1,090**	**1,190**	**1,180**	**1,120**
Dissolved Mercury	µg/L	*2	0.1 U	0.5 U	0.5 U	0.5 U
Dissolved Nickel †	µg/L		2.5	1.9	1.8	2.7
Dissolved Selenium †	µg/L	*10	0.9 J	0.8 J	0.8 J	1.8
Dissolved Vanadium †	µg/L		0.1 J	0.5 J	0.7 J	0.6 J
Dissolved Zinc	µg/L	**5000	0.9 J	0.7 J	0.7 J	0.2 J
Total Arsenic	µg/L	***0.05	NT	NT	**2.6**	**2.7**
Total Calcium	µg/L		66,200	67,200	68,400	67,800
Total Iron	µg/L	**300	NT	NT	**4,790**	**4,560**
Total Magnesium †	µg/L		56,400	51,200	52,900	54,700
Total Manganese	µg/L	**50	NT	NT	**1,170**	**1,190**
Total Potassium †	µg/L		6,200	5,800	5,700	5,800
Total Sodium	µg/L		18,000	18,800	19,500	19,900

Groundwater Quality Criteria:

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*** = Carcinogen

Units:

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C = degrees centigrade
mg CaCO3/L = milligrams of calcium carbonate per liter

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2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-5	B-5	B-5	B-5
Sampling Date			3/28/2024	6/21/2024	9/20/2024	1/6/2025
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		29	37	31	29
Total Organic Carbon	mg/L		7.68	9.46	8.74	8.57
Total Dissolved Solids †	mg/L	**500	397	427	446	392
Alkalinity †	mg/L		210	272	300	252
Bicarbonate †	mg CaCO3/L		256	272	286	252
Ammonia as nitrogen	mg/L		1.69	2.15	2.17	2.54
Nitrate as nitrogen	mg/L	*10	0.15	0.005 U	1 U	0.1 U
Nitrite as nitrogen	mg/L		0.1 U	0.043	1 U	0.1 U
Chloride	mg/L	**250	72.2	76.7	94.9	79
Sulfate	mg/L	**250	0.2 U	0.2 U	2 U	0.2 U
pH	SU	**6.5-8.5	**6.29**	7.16	6.83	6.68
Specific Conductance	µS/cm		734	819	847	780
Temperature	C		11.42	11.91	11.76	11.16
METALS						
Dissolved Antimony †	µg/L		1.0 U	1.0 U	5.0 U	5.0 U
Dissolved Arsenic	µg/L	***0.05	**1.4**	**4.8**	**5.2**	**6.8**
Dissolved Barium †	µg/L	*1000	53.5	106.0	108.0	107.0
Dissolved Cadmium	µg/L	*10	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Chromium †	µg/L	*50	0.6 J	0.5 J	2.8	3.2
Dissolved Cobalt †	µg/L		0.9 J	1.0	1.4	1.0
Dissolved Copper †	µg/L	**1000	0.6 J	0.1 J	0.3 J	0.4
Dissolved Iron	µg/L	**300	2 J	**23,100**	**29,000**	**29,600**
Dissolved Lead	µg/L	*50	0.1 J	1.0 U	1.0 U	1.0 U
Dissolved Manganese	µg/L	**50	**1,440**	**1,690**	**1,600**	**1,550**
Dissolved Mercury	µg/L	*2	0.1 U	0.5 U	0.5 U	0.2 U
Dissolved Nickel †	µg/L		4.7	4.6	5.2	4.9
Dissolved Selenium †	µg/L	*10	1.4	1.9	1.6	2.6
Dissolved Vanadium †	µg/L		0.1 J	0.6 J	1.3	1.4
Dissolved Zinc	µg/L	**5000	1.2 J	1.0 J	1.0 J	1.1
Total Arsenic	µg/L	***0.05	NT	NT	10.0 U	**5.1**
Total Calcium	µg/L		42,100	45,800	41,900	40,900
Total Iron	µg/L	**300	NT	NT	**23,300**	**30,000**
Total Magnesium †	µg/L		34,600	35,500	34,900	35,000
Total Manganese	µg/L	**50	NT	NT	**1,570**	**1,520**
Total Potassium †	µg/L		4,700	5,100	5,300	5,000
Total Sodium	µg/L		42,800	48,300	55,100	50,800

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2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-10	B-10	B-10	B-10
Sampling Date			3/19/2024	6/17/2024	9/16/2024	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		8 U	6 J	20 U	8 U
Total Organic Carbon	mg/L		0.76	0.75	0.87	0.79
Total Dissolved Solids †	mg/L	**500	184	179	178	174
Alkalinity †	mg/L		144	138	142	130
Bicarbonate †	mg CaCO3/L		144	138	142	130
Ammonia as nitrogen	mg/L		0.31	0.31	0.3	0.39
Nitrate as nitrogen	mg/L	*10	0.1 U	0.1 U	0.005 U	0.1 U
Nitrite as nitrogen	mg/L		0.1 U	0.1 U	0.006	0.1 U
Chloride	mg/L	**250	4.4	4.1	4.2	4.1
Sulfate	mg/L	**250	19.6	17	16.6	18
pH	SU	**6.5-8.5	6.8	6.96	6.57	7.43
Specific Conductance	µS/cm		303	293	283	278
Temperature	C		10.12	10.35	10.28	10.09
METALS						
Dissolved Antimony †	µg/L		0.1 J	0.2 J	0.1 J	0.1 J
Dissolved Arsenic	µg/L	***0.05	**1.4**	**1.8**	**1.5**	**1.7**
Dissolved Barium †	µg/L	*1000	33.5	34.4	33.9	33.1
Dissolved Cadmium	µg/L	*10	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Chromium †	µg/L	*50	0.1 J	1.0	0.3 J	0.6 J
Dissolved Cobalt †	µg/L		0.1 J	2.2	0.3 J	0.2 J
Dissolved Copper †	µg/L	**1000	0.1 J	0.1 J	2.0 U	0.1 J
Dissolved Iron	µg/L	**300	**840**	**1,650**	**1,550**	**1,410**
Dissolved Lead	µg/L	*50	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Manganese	µg/L	**50	**452**	**396**	**385**	**415**
Dissolved Mercury	µg/L	*2	0.1 U	0.5 U	0.5 U	0.5 U
Dissolved Nickel †	µg/L		0.8 J	0.6 J	0.3 J	0.8 J
Dissolved Selenium †	µg/L	*10	1.0 U	1.0 U	0.2 J	1.0 U
Dissolved Vanadium †	µg/L		0.1 J	0.3 J	0.1 J	0.3 J
Dissolved Zinc	µg/L	**5000	0.4 J	1.2 J	0.5 J	2.5 U
Total Arsenic	µg/L	***0.05	NT	NT	**1.6**	**1.6**
Total Calcium	µg/L		25,800	25,500	25,100	24,300
Total Iron	µg/L	**300	NT	NT	**1,620**	**1,520**
Total Magnesium †	µg/L		19,300	17,500	17,300	17,400
Total Manganese	µg/L	**50	NT	NT	**444**	**432**
Total Potassium †	µg/L		3,800	3,300	3,000	3,200
Total Sodium	µg/L		9,400	8,400	8,400	8,500

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2024 Inorganic Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-12	B-12	B-12	B-12
Sampling Date			3/21/2024	6/20/2024	9/19/2024	1/9/2025
Analyte	Units	GW Quality Standards (173-200 WAC)				
CONVENTIONALS						
Chemical Oxygen Demand	mg/L		7 J	3 J	20 U	20 U
Total Organic Carbon	mg/L		0.83	0.47	0.7	0.45
Total Dissolved Solids †	mg/L	**500	269	274	283	368
Alkalinity †	mg/L		228	230	232	231
Bicarbonate †	mg CaCO3/L		228	230	232	231.00
Ammonia as nitrogen	mg/L		0.31	0.16	0.22	0.16
Nitrate as nitrogen	mg/L	*10	0.1 U	0.1 U	0.1 U	0.1 U
Nitrite as nitrogen	mg/L		0.1 U	0.1 U	0.1 U	0.1 U
Chloride	mg/L	**250	8	7.8	8.1	8.9
Sulfate	mg/L	**250	16.9	17.4	16	16.5
pH	SU	**6.5-8.5	7.4	7.36	7.49	7.47
Specific Conductance	µS/cm		444	443	455	457
Temperature	C		11.85	12.56	0.46	11.9
METALS						
Dissolved Antimony †	µg/L		0.2 J	5.0 U	0.1	5.0 U
Dissolved Arsenic	µg/L	***0.05	**3.9**	**4.1**	**4.2**	1.0 U
Dissolved Barium †	µg/L	*1000	37.1	36.8	38.6	37.2
Dissolved Cadmium	µg/L	*10	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Chromium †	µg/L	*50	0.6 J	0.9	1.6	10.0 U
Dissolved Cobalt †	µg/L		0.1 J	0.2	0.1	1.0 U
Dissolved Copper †	µg/L	**1000	2.0 U	0.2	2.0 U	20.0 U
Dissolved Iron	µg/L	**300	**630**	**650**	**640**	**660**
Dissolved Lead	µg/L	*50	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Manganese	µg/L	**50	**57**	**60**	**58**	**67**
Dissolved Mercury	µg/L	*2	0.1 U	0.5 U	0.5 U	0.2 U
Dissolved Nickel †	µg/L		0.8 J	0.7	0.7	1.0 U
Dissolved Selenium †	µg/L	*10	0.2 J	0.2	0.3	5.0 U
Dissolved Vanadium †	µg/L		0.9 J	0.9	1.2	1.0 U
Dissolved Zinc	µg/L	**5000	0.7 J	0.4	0.3	50.0 U
Total Arsenic	µg/L	***0.05	NT	NT	5.0 J	**4.3**
Total Calcium	µg/L		32,400	32,200	32,600	33,900
Total Iron	µg/L	**300	NT	NT	**760**	**640**
Total Magnesium †	µg/L		31,600	27,900	29,400	31,500
Total Manganese	µg/L	**50	NT	NT	**79**	**67**
Total Potassium †	µg/L		5,300	4,500	5,000	5,000
Total Sodium	µg/L		14,600	13,800	14,700	15,000

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2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-1	B-1	B-1	B-1
Sampling Date			3/18/2024	6/17/2024	9/16/2024	12/16/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	1 U	1 U	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	0.01 U	0.01 U	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	0.4 U	0.4 U	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,3-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	0.4 U	0.4 U	0.4 U
1,4-dioxane	µg/L	7***	4.7 J	4.8 J	4.1 J	3.6 J
2,2-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-butanone	µg/L		3 U	3 U	3 U	3 U
2-chloroethyl vinyl ether	µg/L		5 U	5 U	5 U	5 U
2-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-nitropropane	µg/L		10 U	10 U	10 U	10 U
2-phenylbutane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-methyl-2-pentanone	µg/L		4 U	4 U	4 U	4 U
Acetone	µg/L		3 U	3 U	3 U	3 U
Acrolein	µg/L		4 U	4 U	4 U	4 U
Acrylonitrile	µg/L	0.07***	0.05 U	0.05 U	0.05 U	0.05 U
Allyl chloride	µg/L		2 U	2 U	2 U	2 U
Benzene	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
Bromobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon disulfide	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		3.7	2.2	2.4	1.9
Chloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	µg/L	7.0***	0.4 U	0.4 U	0.4 U	0.4 U
Chloromethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Cymene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dibromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichloromethane	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Diethyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-1	B-1	B-1	B-1
Sampling Date			3/18/2024	6/17/2024	9/16/2024	12/16/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	3 U	3 U	3 U
Ethylbenzene	µg/L	700****	0.4 U	0.4 U	0.4 U	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Hexachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Isopropylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
m-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methyl acrylate	µg/L		1.5 U	1.5 U	1.5 U	1.5 U
Methyl iodide	µg/L		5 U	5 U	5 U	5 U
Methyl methacrylate	µg/L		2 U	2 U	2 U	2 U
Methyl n-butyl ketone	µg/L		5 U	5 U	5 U	5 U
Methyl tert-butyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methylacrylonitrile	µg/L		4 U	4 U	4 U	4 U
Naphthalene	µg/L		1 U	1 U	0.4 U	1 U
n-butyl chloride	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-propylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
o-xylene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Pentachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Tert-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	µg/L		3 U	3 U	3 U	3 U
Toluene	µg/L	1****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	5 U	5 U	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Trichloroethene	µg/L	3***	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.02***	0.01 U	0.01 U	0.01 U	0.01 U

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

Units:

µg/L= micrograms per liter

Results shown in bold exceed Ground Water Quality Criteria.

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-2	B-2	B-2	B-2
Sampling Date			3/20/2024	6/20/2024	9/19/2024	12/20/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	1 U	1 U	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	0.01 U	0.01 U	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	0.4 U	0.4 U	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,3-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	0.4 U	0.4 U	0.4 U
1,4-dioxane	µg/L	7***	5 U	5 U	5 U	5 U
2,2-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-butanone	µg/L		3 U	3 U	3 U	3 U
2-chloroethyl vinyl ether	µg/L		5 U	5 U	5 U	5 U
2-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-nitropropane	µg/L		10 U	10 U	10 U	10 U
2-phenylbutane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-methyl-2-pentanone	µg/L		4 U	4 U	4 U	4 U
Acetone	µg/L		3 U	3 U	3 U	3 U
Acrolein	µg/L		4 U	4 U	4 U	4 U
Acrylonitrile	µg/L	0.07***	0.05 U	0.05 U	0.05 U	0.05 U
Allyl chloride	µg/L		2 U	2 U	2 U	2 U
Benzene	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
Bromobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon disulfide	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	µg/L	7.0***	0.4 U	0.4 U	0.4 U	0.4 U
Chloromethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Cymene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dibromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.6	0.4 U	0.8	0.6
Dichloromethane	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Diethyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-2	B-2	B-2	B-2
Sampling Date			3/20/2024	6/20/2024	9/19/2024	12/20/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	3 U	3 U	3 U
Ethylbenzene	µg/L	700****	0.4 U	0.4 U	0.4 U	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Hexachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Isopropylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
m-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methyl acrylate	µg/L		1.5 U	1.5 U	1.5 U	1.5 U
Methyl iodide	µg/L		5 U	5 U	5 U	5 U
Methyl methacrylate	µg/L		2 U	2 U	2 U	2 U
Methyl n-butyl ketone	µg/L		5 U	5 U	5 U	5 U
Methyl tert-butyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methylacrylonitrile	µg/L		4 U	4 U	4 U	4 U
Naphthalene	µg/L		1 U	1 U	1 U	1 U
n-butyl chloride	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-propylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
o-xylene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Pentachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Tert-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	µg/L		3 U	3 U	3 U	3 U
Toluene	µg/L	1****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	5 U	5 U	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Trichloroethene	µg/L	3***	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.02***	0.01 U	0.01 U	0.01 U	0.01 U

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

Units:

µg/L= micrograms per liter

Results shown in bold exceed Ground Water Quality Criteria.

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-3	B-3	B-3	B-3
Sampling Date			3/20/2024	6/20/2024	9/19/2024	12/20/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	1 U	1 U	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	0.01 U	0.01 U	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	0.4 U	0.4 U	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,3-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	0.4 U	0.4 U	0.4 U
1,4-dioxane	µg/L	7***	3.7 J	5 U	5 U	3.4 J
2,2-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-butanone	µg/L		3 U	3 U	3 U	3 U
2-chloroethyl vinyl ether	µg/L		5 U	5 U	5 U	5 U
2-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-nitropropane	µg/L		10 U	10 U	10 U	10 U
2-phenylbutane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-methyl-2-pentanone	µg/L		4 U	4 U	4 U	4 U
Acetone	µg/L		3 U	3 U	3 U	3 U
Acrolein	µg/L		4 U	4 U	4 U	4 U
Acrylonitrile	µg/L	0.07***	0.134	0.05 U	0.05 U	0.05 U
Allyl chloride	µg/L		2 U	2 U	2 U	2 U
Benzene	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
Bromobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon disulfide	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		1.4	0.5	0.5 U	1.2
Chloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	µg/L	7.0***	0.4 U	0.4 U	0.4 U	0.4 U
Chloromethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Cymene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dibromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichloromethane	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.6	0.4 U	0.4 U	0.6
Diethyl ether	µg/L		1.8	0.6	0.4 U	2

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-3	B-3	B-3	B-3
Sampling Date			3/20/2024	6/20/2024	9/19/2024	12/20/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	3 U	3 U	3 U
Ethylbenzene	µg/L	700****	0.4 U	0.4 U	0.4 U	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Hexachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Isopropylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
m-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methyl acrylate	µg/L		1.5 U	1.5 U	1.5 U	1.5 U
Methyl iodide	µg/L		5 U	5 U	5 U	5 U
Methyl methacrylate	µg/L		2 U	2 U	2 U	2 U
Methyl n-butyl ketone	µg/L		5 U	5 U	5 U	5 U
Methyl tert-butyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methylacrylonitrile	µg/L		4 U	4 U	4 U	4 U
Naphthalene	µg/L		1 U	1 U	1 U	1 U
n-butyl chloride	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-propylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
o-xylene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Pentachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Tert-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	µg/L		3 U	3 U	3 U	3 U
Toluene	µg/L	1****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	5 U	5 U	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Trichloroethene	µg/L	3***	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.02***	**0.11**	0.016	0.01 U	**0.052**

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

Units:

µg/L= micrograms per liter

Results shown in bold exceed Ground Water Quality Criteria.

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-4	B-4	B-4	B-4
Sampling Date			3/19/2024	6/18/2024	9/18/2024	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	1 U	1 U	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	0.01 U	0.01 U	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	0.4 U	0.4 U	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,3-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	0.4 U	0.4 U	0.4 U
1,4-dioxane	µg/L	7***	5 U	5 U	5 U	5 U
2,2-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-butanone	µg/L		3 U	3 U	3 U	3 U
2-chloroethyl vinyl ether	µg/L		5 U	5 U	5 U	5 U
2-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-nitropropane	µg/L		10 U	10 U	10 U	10 U
2-phenylbutane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-methyl-2-pentanone	µg/L		4 U	4 U	4 U	4 U
Acetone	µg/L		3 U	3 U	3 U	3 U
Acrolein	µg/L		4 U	4 U	4 U	4 U
Acrylonitrile	µg/L	0.07***	0.05 U	0.05 U	0.05 U	0.05 U
Allyl chloride	µg/L		2 U	2 U	2 U	2 U
Benzene	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
Bromobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon disulfide	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		3.8	3.9	3.1	2.8
Chloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	µg/L	7.0***	0.4 U	0.4 U	0.4 U	0.4 U
Chloromethane	µg/L		0.4	0.4	0.4 U	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Cymene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dibromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichloromethane	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Diethyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-4	B-4	B-4	B-4
Sampling Date			3/19/2024	6/18/2024	9/18/2024	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	3 U	3 U	3 U
Ethylbenzene	µg/L	700****	0.4 U	0.4 U	0.4 U	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Hexachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Isopropylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
m-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methyl acrylate	µg/L		1.5 U	1.5 U	1.5 U	1.5 U
Methyl iodide	µg/L		5 U	5 U	5 U	5 U
Methyl methacrylate	µg/L		2 U	2 U	2 U	2 U
Methyl n-butyl ketone	µg/L		5 U	5 U	5 U	5 U
Methyl tert-butyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methylacrylonitrile	µg/L		4 U	4 U	4 U	4 U
Naphthalene	µg/L		1 U	1 U	1 U	1 U
n-butyl chloride	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-propylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
o-xylene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Pentachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Tert-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	µg/L		3 U	3 U	3 U	3 U
Toluene	µg/L	1****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	5 U	5 U	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Trichloroethene	µg/L	3***	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.02***	0.014	0.013	0.01 U	0.01 U

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

Units:

µg/L= micrograms per liter

Results shown in bold exceed Ground Water Quality Criteria.

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-5	B-5	B-5	B-5
Sampling Date			3/28/2024	6/21/2024	9/20/2024	1/6/2025
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	1 U	1 U	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	0.01 U	0.01 U	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	0.4 U	0.4 U	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,3-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	0.4 U	0.4 U	0.4 U
1,4-dioxane	µg/L	7***	3.8 J	6.1	6.8	6.5
2,2-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-butanone	µg/L		3 U	3 U	3 U	3 U
2-chloroethyl vinyl ether	µg/L		5 U	5 U	5 U	5 U
2-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-nitropropane	µg/L		10 U	10 U	10 U	10 U
2-phenylbutane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-methyl-2-pentanone	µg/L		4 U	4 U	4 U	4 U
Acetone	µg/L		3 U	3 U	3 U	3 U
Acrolein	µg/L		4 U	4 U	4 U	4 U
Acrylonitrile	µg/L	0.07***	0.05 U	0.05 U	0.05 U	0.05 U
Allyl chloride	µg/L		2 U	2 U	2 U	2 U
Benzene	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
Bromobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon disulfide	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		0.6	0.7	0.7	0.7
Chloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	µg/L	7.0***	0.4 U	0.4 U	0.4 U	0.4 U
Chloromethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Cymene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dibromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichloromethane	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.4 U	0.4 U	0.4	0.4
Diethyl ether	µg/L		1.9	2.1	3.2	3.1

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-5	B-5	B-5	B-5
Sampling Date			3/28/2024	6/21/2024	9/20/2024	1/6/2025
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	3 U	3 U	3 U
Ethylbenzene	µg/L	700****	0.4 U	0.4 U	0.4 U	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Hexachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Isopropylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
m-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methyl acrylate	µg/L		1.5 U	1.5 U	1.5 U	1.5 U
Methyl iodide	µg/L		5 U	5 U	5 U	5 U
Methyl methacrylate	µg/L		2 U	2 U	2 U	2 U
Methyl n-butyl ketone	µg/L		5 U	5 U	5 U	5 U
Methyl tert-butyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methylacrylonitrile	µg/L		4 U	4 U	4 U	4 U
Naphthalene	µg/L		1 U	1 U	1 U	1 U
n-butyl chloride	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-propylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
o-xylene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Pentachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Tert-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	µg/L		3.1	3.2	4.1	3 U
Toluene	µg/L	1****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	5 U	5 U	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Trichloroethene	µg/L	3***	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.02***	**0.083**	**0.088**	**0.06**	**0.056**

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

Units:

µg/L= micrograms per liter

Results shown in bold exceed Ground Water Quality Criteria.

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-10	B-10	B-10	B-10
Sampling Date			3/19/2024	6/17/2024	9/16/2024	12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	1 U	1 U	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	0.01 U	0.01 U	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	0.4 U	0.4 U	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,3-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	0.4 U	0.4 U	0.4 U
1,4-dioxane	µg/L	7***	5 U	5 U	5 U	5 U
2,2-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-butanone	µg/L		3 U	3 U	3 U	3 U
2-chloroethyl vinyl ether	µg/L		5 U	5 U	5 U	5 U
2-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-nitropropane	µg/L		10 U	10 U	10 U	10 U
2-phenylbutane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-methyl-2-pentanone	µg/L		4 U	4 U	4 U	4 U
Acetone	µg/L		3 U	3 U	3 U	3 U
Acrolein	µg/L		4 U	4 U	4 U	4 U
Acrylonitrile	µg/L	0.07***	0.05 U	0.05 U	0.05 U	0.05 U
Allyl chloride	µg/L		2 U	2 U	2 U	2 U
Benzene	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
Bromobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon disulfide	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	µg/L	7.0***	0.4 U	0.4 U	0.4 U	0.4 U
Chloromethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Cymene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dibromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichloromethane	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Diethyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL Sampling Date			B-10 3/19/2024	B-10 6/17/2024	B-10 9/16/2024	B-10 12/19/2024
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	3 U	3 U	3 U
Ethylbenzene	µg/L	700****	0.4 U	0.4 U	0.4 U	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Hexachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Isopropylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
m-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methyl acrylate	µg/L		1.5 U	1.5 U	1.5 U	1.5 U
Methyl iodide	µg/L		5 U	5 U	5 U	5 U
Methyl methacrylate	µg/L		2 U	2 U	2 U	2 U
Methyl n-butyl ketone	µg/L		5 U	5 U	5 U	5 U
Methyl tert-butyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methylacrylonitrile	µg/L		4 U	4 U	4 U	4 U
Naphthalene	µg/L		1 U	1 U	1 U	1 U
n-butyl chloride	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-propylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
o-xylene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Pentachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Tert-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	µg/L		3 U	3 U	3 U	3 U
Toluene	µg/L	1****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	5 U	5 U	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Trichloroethene	µg/L	3***	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.02***	0.01 U	0.01 U	0.01 U	0.01 U

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

Units:

µg/L= micrograms per liter

Results shown in bold exceed Ground Water Quality Criteria.

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL			B-12	B-12	B-12	B-12
Sampling Date			3/21/2024	6/20/2024	9/19/2024	1/9/2025
Analyte	Units	GW Quality Standards (173-200 WAC)				
1,1,1,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,1-trichloroethane	µg/L	200*	0.4 U	0.4 U	0.4 U	0.4 U
1,1,2,2-tetrachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1,2-trichlorofluorotoluene (Freon-113)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethane	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloroethene	µg/L	7****	0.4 U	0.4 U	0.4 U	0.4 U
1,1-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,3-trichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2,4-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dibromo-3-chloropropane (DBCP)	µg/L	0.2****	1 U	1 U	1 U	1 U
1,2-dibromoethane (EDB)	µg/L	0.001***	0.01 U	0.01 U	0.01 U	0.01 U
1,2-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloroethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
1,2-dichloropropane	µg/L	0.6***	0.4 U	0.4 U	0.4 U	0.4 U
1,3,5-trimethylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,3-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
1,4-dichlorobenzene	µg/L	4***	0.4 U	0.4 U	0.4 U	0.4 U
1,4-dioxane	µg/L	7***	5 U	5 U	5 U	5 U
2,2-dichloropropane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-butanone	µg/L		3 U	3 U	3 U	3 U
2-chloroethyl vinyl ether	µg/L		5 U	5 U	5 U	5 U
2-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
2-nitropropane	µg/L		10 U	10 U	10 U	10 U
2-phenylbutane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-chlorotoluene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
4-methyl-2-pentanone	µg/L		4 U	4 U	4 U	4 U
Acetone	µg/L		3 U	3 U	3 U	3 U
Acrolein	µg/L		4 U	4 U	4 U	4 U
Acrylonitrile	µg/L	0.07***	0.05 U	**0.101**	0.05 U	0.05 U
Allyl chloride	µg/L		2 U	2 U	2 U	2 U
Benzene	µg/L	1.0***	0.4 U	0.4 U	0.4 U	0.4 U
Bromobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Bromodichloromethane	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Bromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon disulfide	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Carbon tetrachloride	µg/L	0.3***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobenzene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Chlorobromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chlorodibromomethane	µg/L	0.5***	0.4 U	0.4 U	0.4 U	0.4 U
Chlorodifluoromethane (Freon-22)	µg/L		0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Chloroform	µg/L	7.0***	0.4 U	0.4 U	0.4 U	0.4 U
Chloromethane	µg/L		0.4	0.4 U	0.4 U	0.4 U
cis-1,2-dichloroethene	µg/L	70****	0.4 U	0.4 U	0.4 U	0.4 U
cis-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Cymene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dibromomethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichlorodifluoromethane (CFC-12)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Dichloromethane	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Dichloromonofluoromethane (Freon-21)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Diethyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U

2024 Volatile Organic Compound Monitoring Results
Inman Landfill

AQUIFER			Regional			
MONITORING WELL Sampling Date			B-12 3/21/2024	B-12 6/20/2024	B-12 9/19/2024	B-12 1/9/2025
Analyte	Units	GW Quality Standards (173-200 WAC)				
Ethyl methacrylate	µg/L		3 U	3 U	3 U	3 U
Ethylbenzene	µg/L	700****	0.4 U	0.4 U	0.4 U	0.4 U
Hexachloro-1,3-butadiene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Hexachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Isopropylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
m-dichlorobenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methyl acrylate	µg/L		1.5 U	1.5 U	1.5 U	1.5 U
Methyl iodide	µg/L		5 U	5 U	5 U	5 U
Methyl methacrylate	µg/L		2 U	2 U	2 U	2 U
Methyl n-butyl ketone	µg/L		5 U	5 U	5 U	5 U
Methyl tert-butyl ether	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Methylacrylonitrile	µg/L		4 U	4 U	4 U	4 U
Naphthalene	µg/L		1 U	1 U	1 U	1 U
n-butyl chloride	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
n-propylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
o-xylene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Pentachloroethane	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Styrene (monomer)	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Tert-butylbenzene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Tetrachloroethene	µg/L	0.8***	0.4 U	0.4 U	0.4 U	0.4 U
Tetrahydrofuran	µg/L		3 U	3 U	3 U	3 U
Toluene	µg/L	1****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,2-dichloroethene	µg/L	100****	0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,3-dichloropropene	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Trans-1,4-dichlorobutene	µg/L		5 U	5 U	5 U	5 U
Tribromomethane (Bromoform)	µg/L	5***	0.4 U	0.4 U	0.4 U	0.4 U
Trichloroethene	µg/L	3***	0.4 U	0.4 U	0.4 U	0.4 U
Trichlorofluoromethane (CFC-11)	µg/L		0.4 U	0.4 U	0.4 U	0.4 U
Vinyl chloride	µg/L	0.02***	0.01 U	0.01 U	0.01 U	0.01 U

Groundwater Quality Criteria:

* = Primary Contaminant
** = Secondary Contaminant
*** = Carcinogen
**** = 246-290 WAC criteria

Qualifiers:

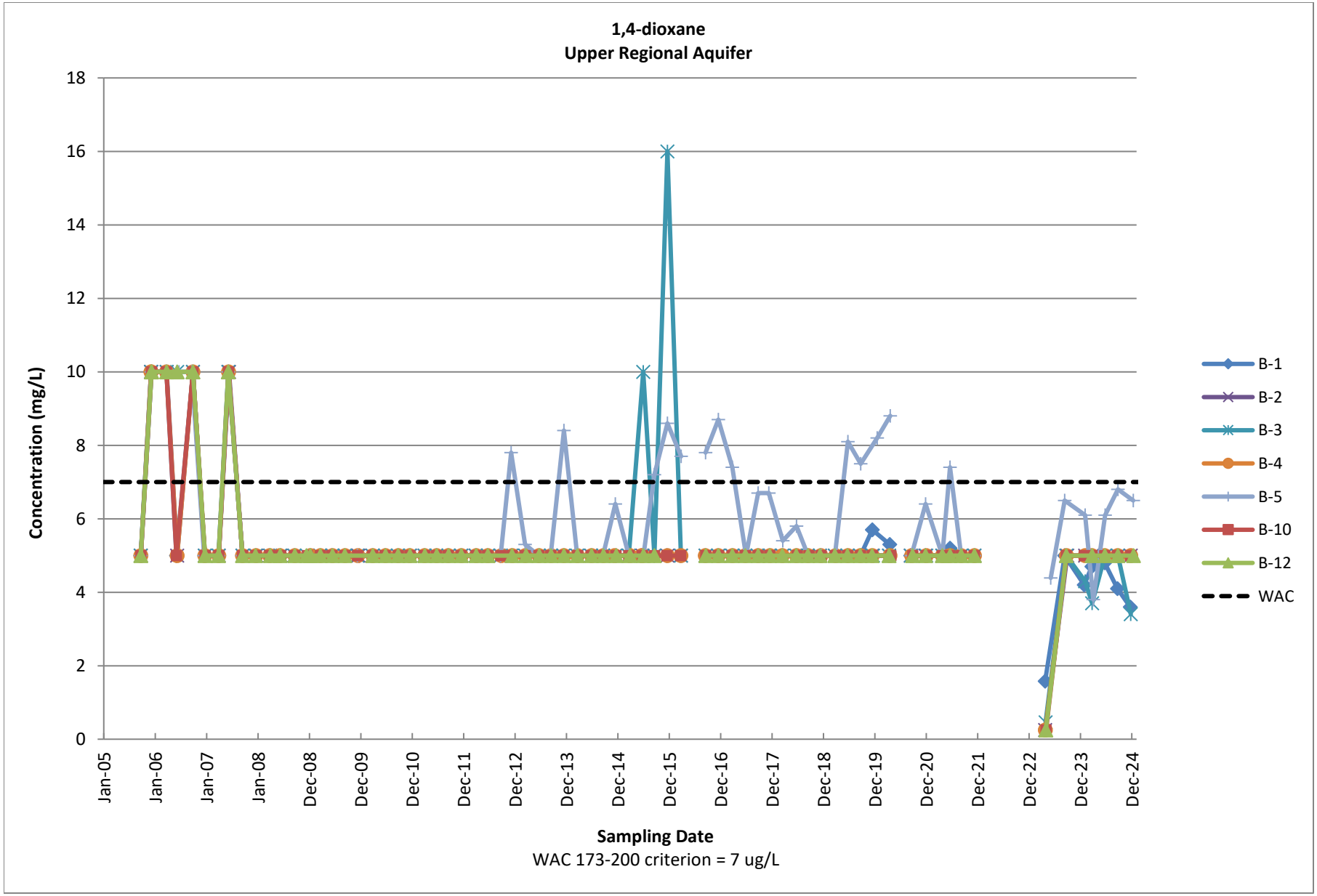
U — Indicates the analyte of interest was not detected, to the limit of
J — Indicates the analyte of interest was detected below the routine reporting limit. This value should be regarded as an estimate.

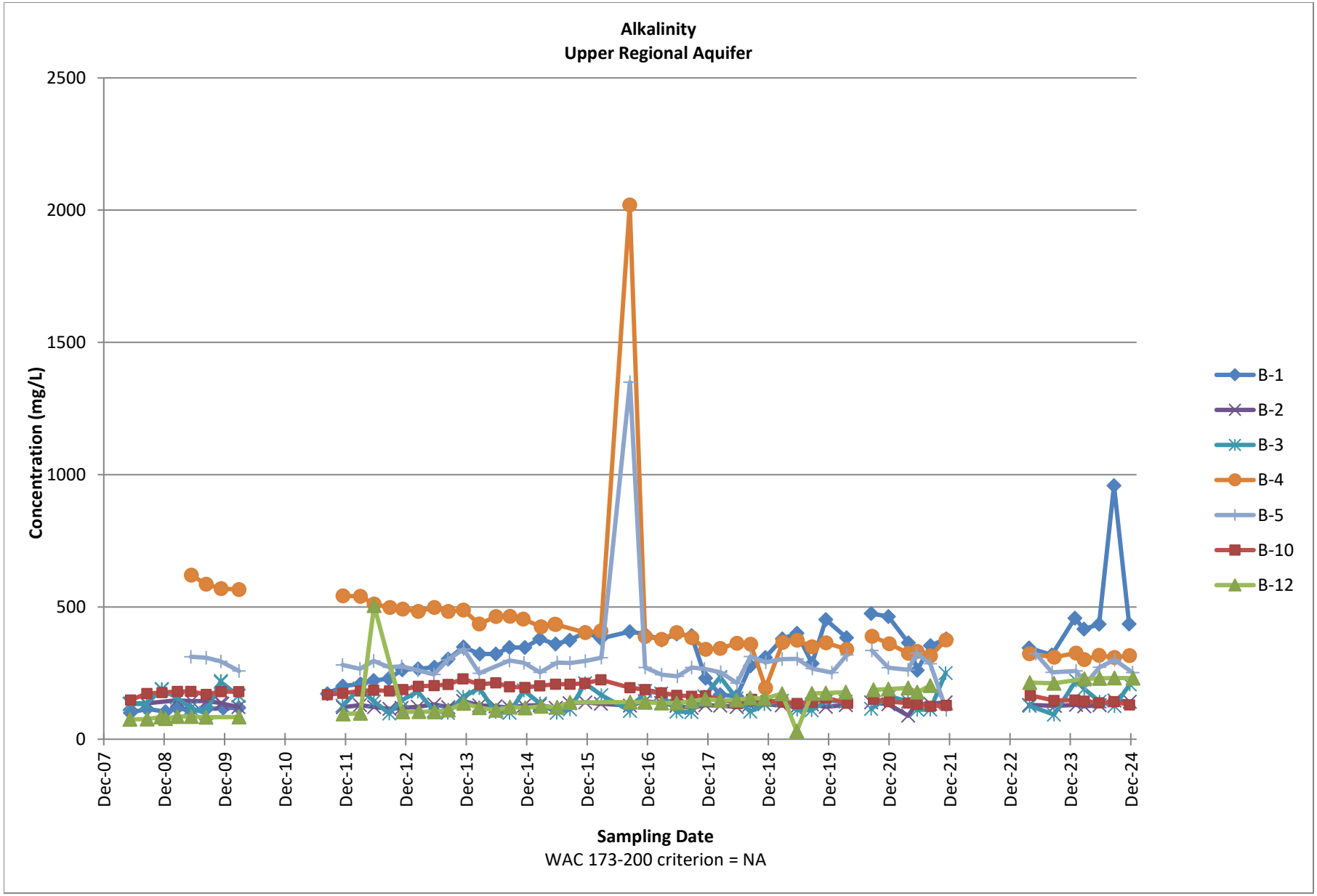
Units:

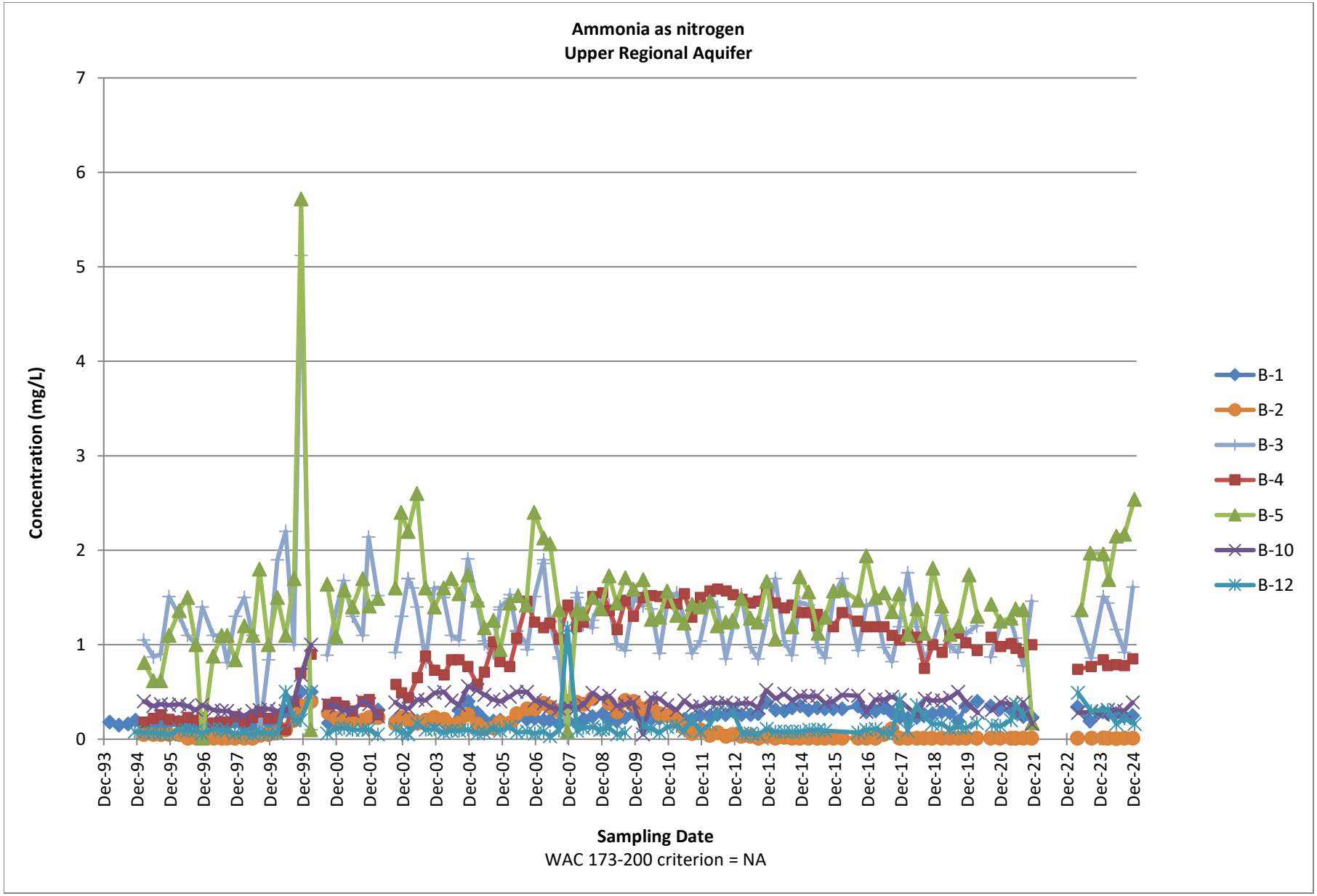
µg/L= micrograms per liter

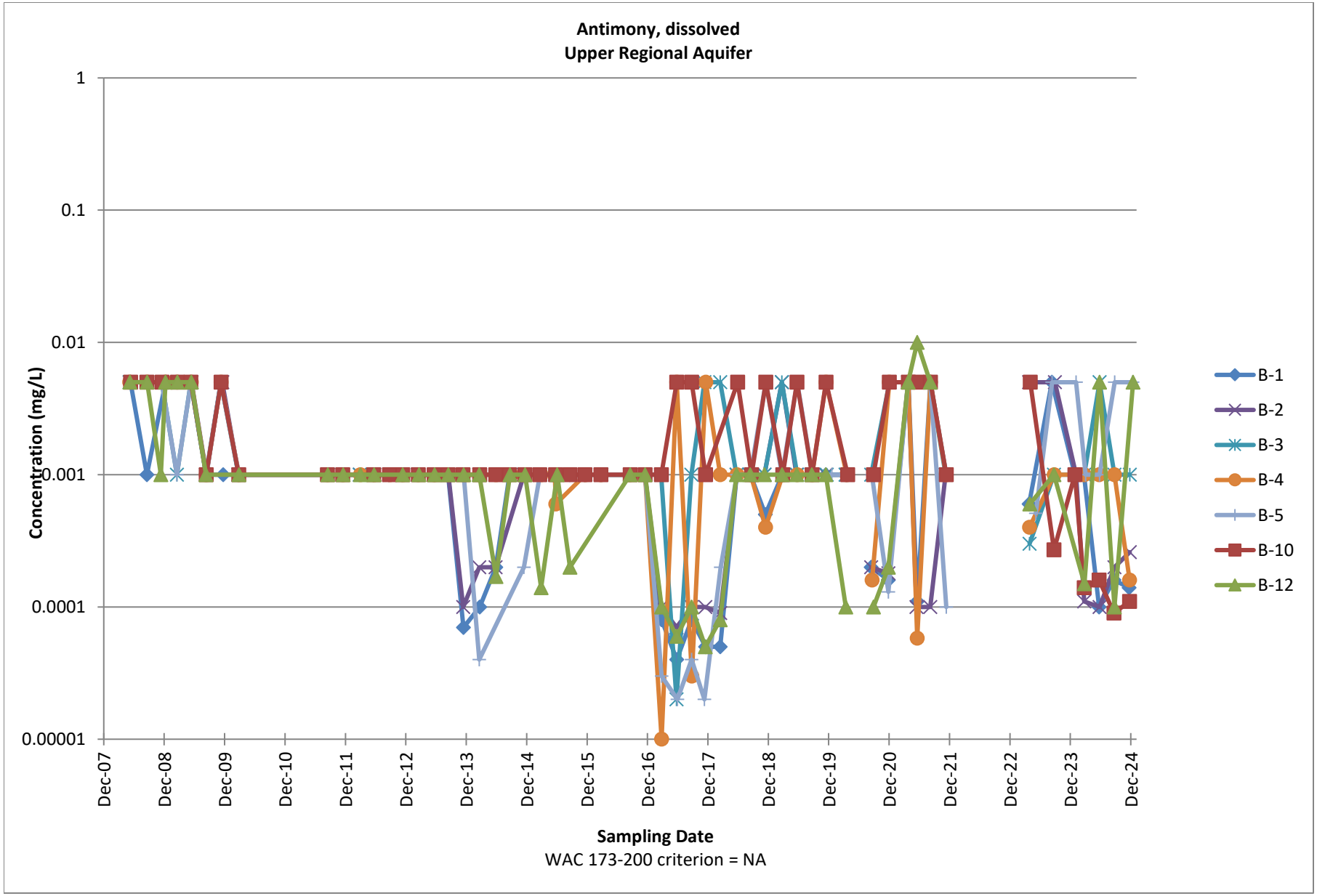
Results shown in bold exceed Ground Water Quality Criteria.

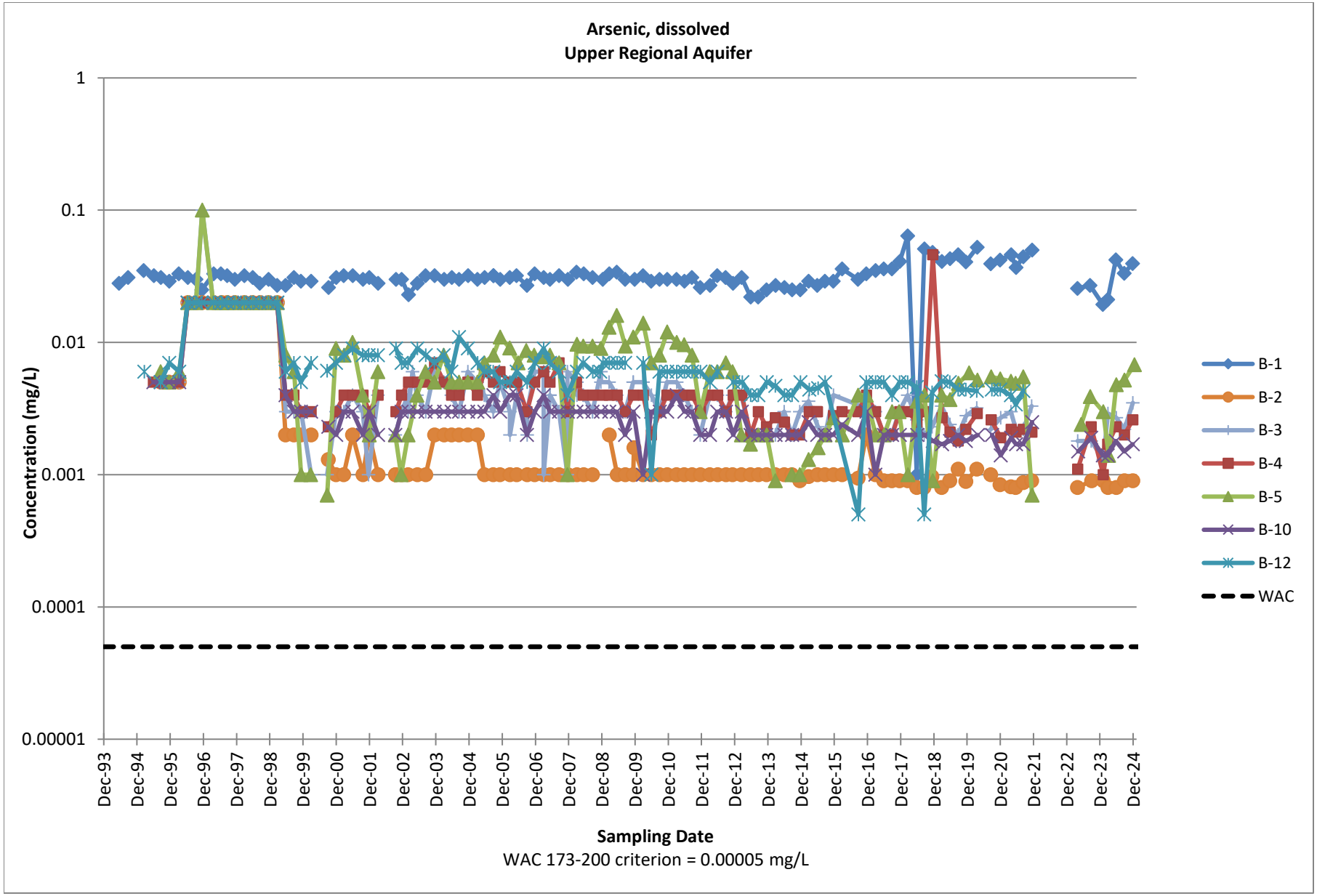
APPENDIX B-2
Long-Term Time Series Plots 1994-2024 – Upper Regional Aquifer

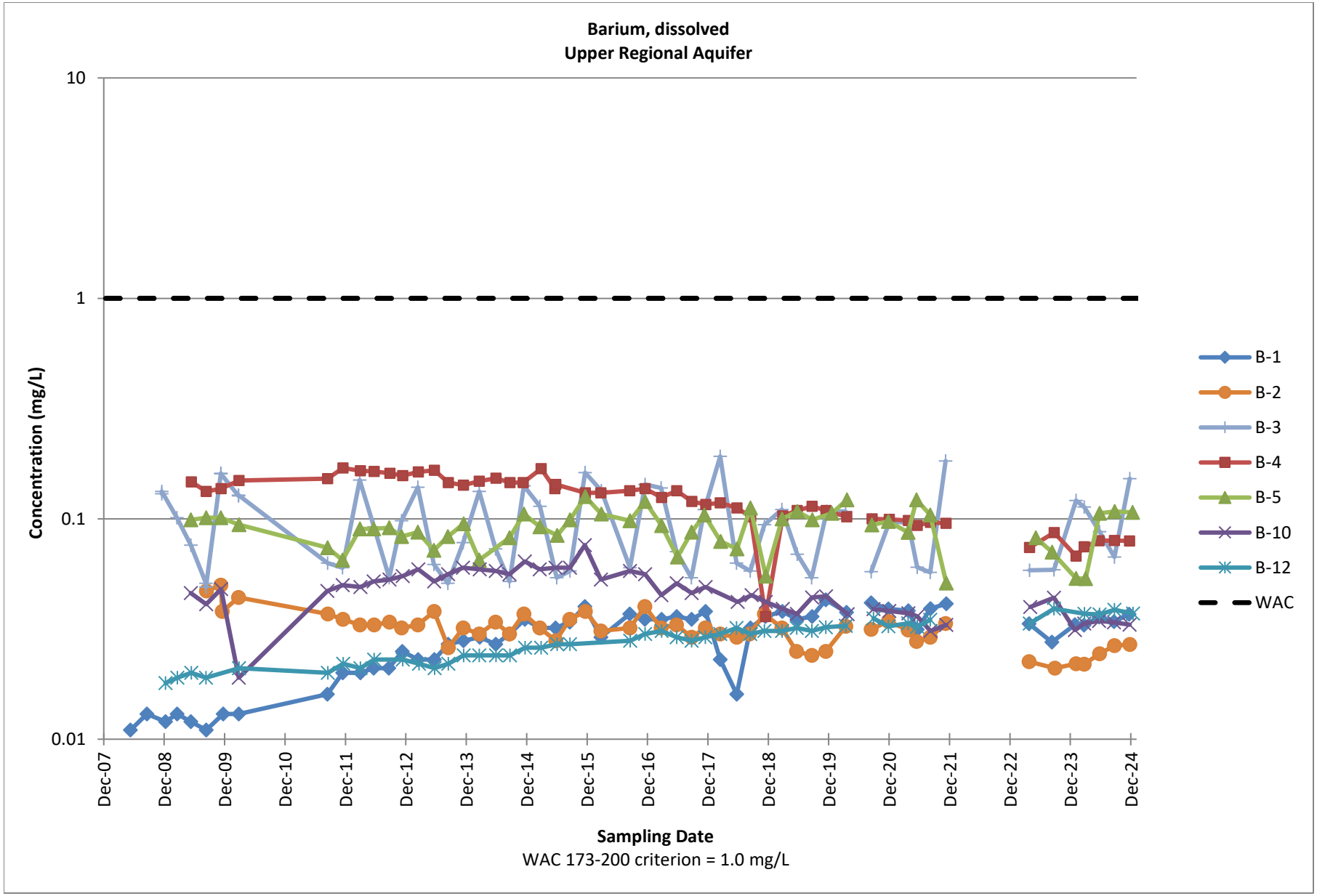

1,4-dioxane
Upper Regional Aquifer
Concentration (mg/L)
18
16
14
12
10
8
6
4
2
0
Jan-05
Jan-06
Jan-07
Jan-08
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = 7 ug/L
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC

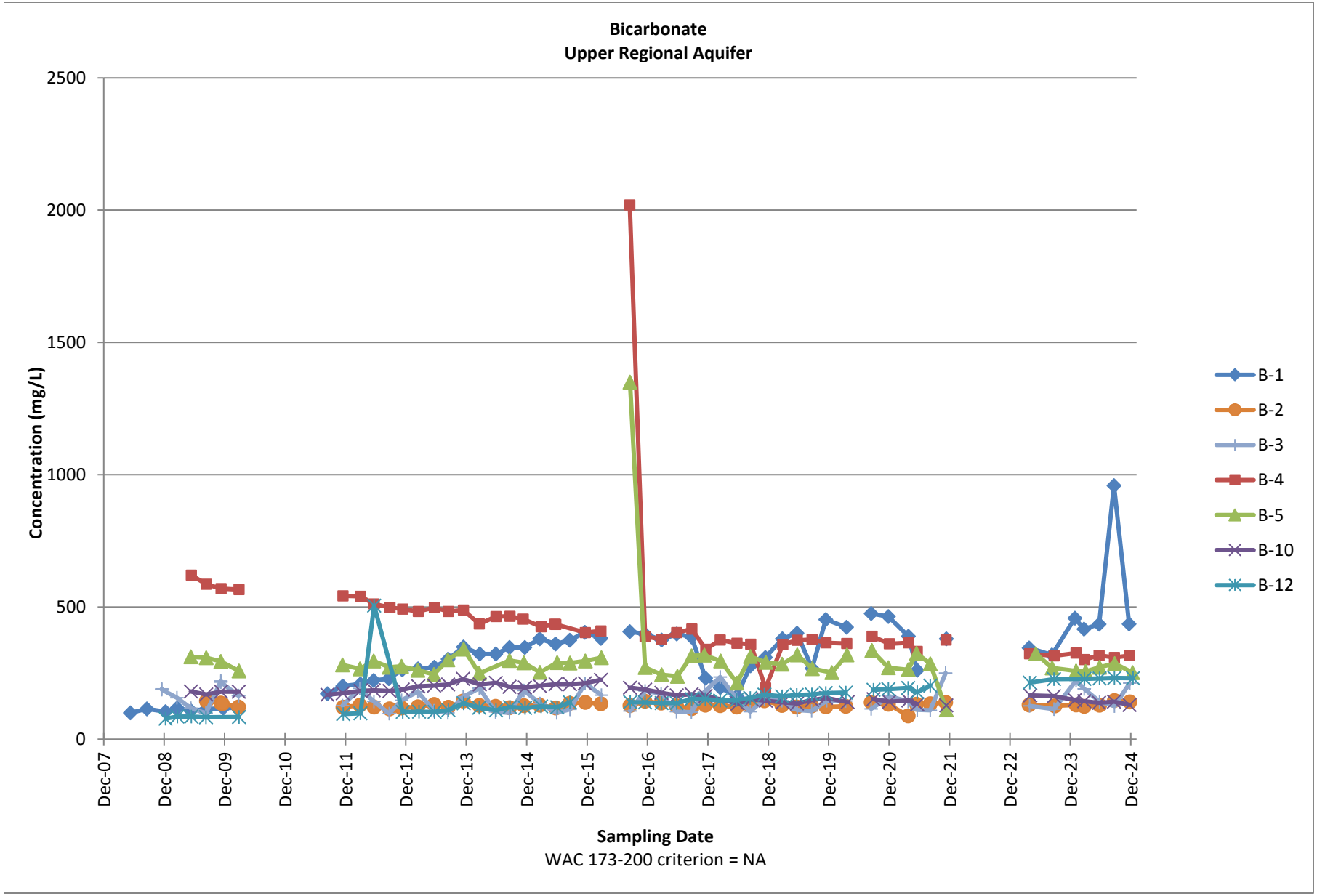

Alkalinity
Upper Regional Aquifer
2500
2000
1500
1000
500
0
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

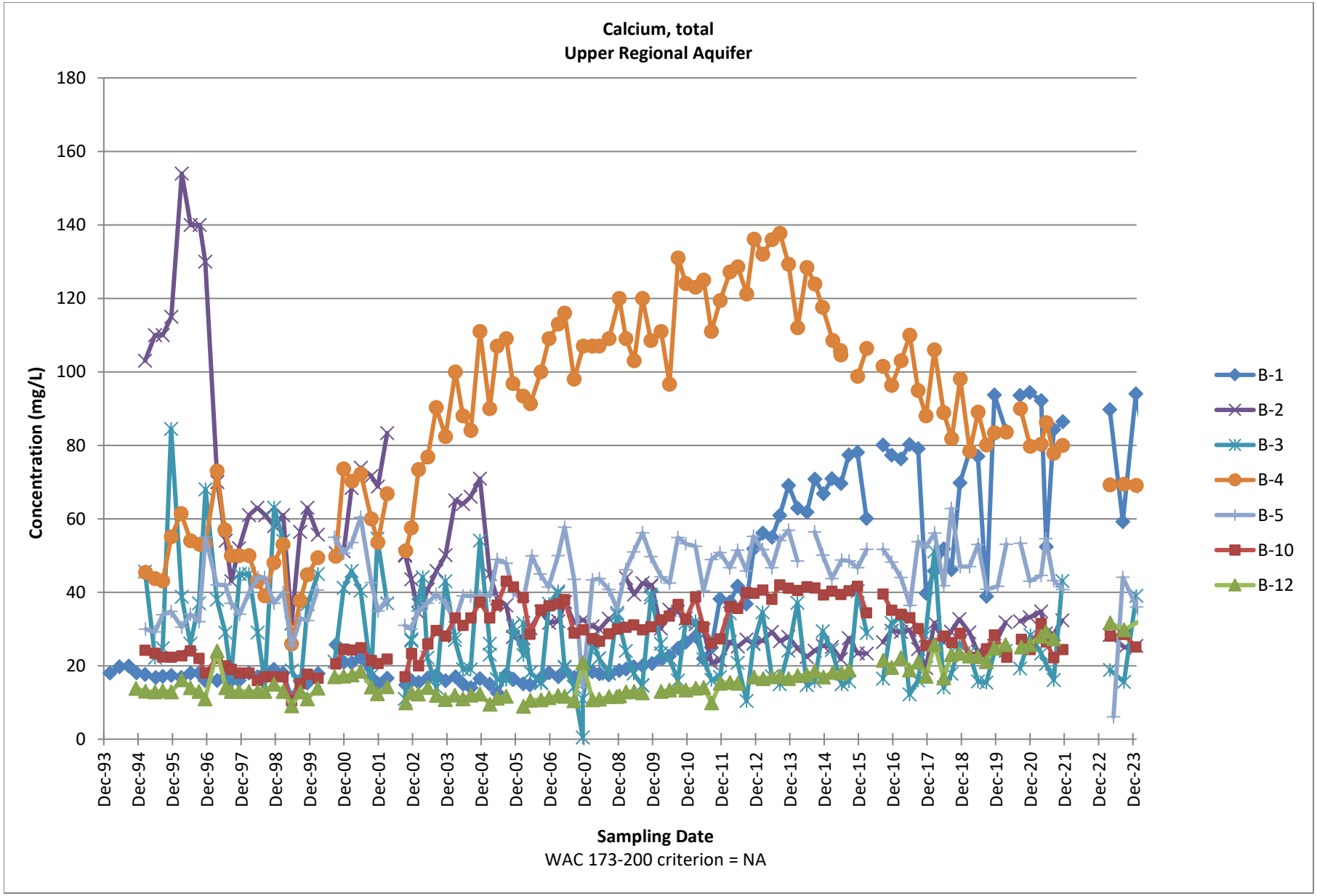

Ammonia as nitrogen
Upper Regional Aquifer
Concentration (mg/L)
0
1
2
3
4
5
6
7
Dec-93
Dec-94
Dec-95
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
B-1
B-2
B-3
B-4
B-5
B-10
B-12
Sampling Date
WAC 173-200 criterion = NA

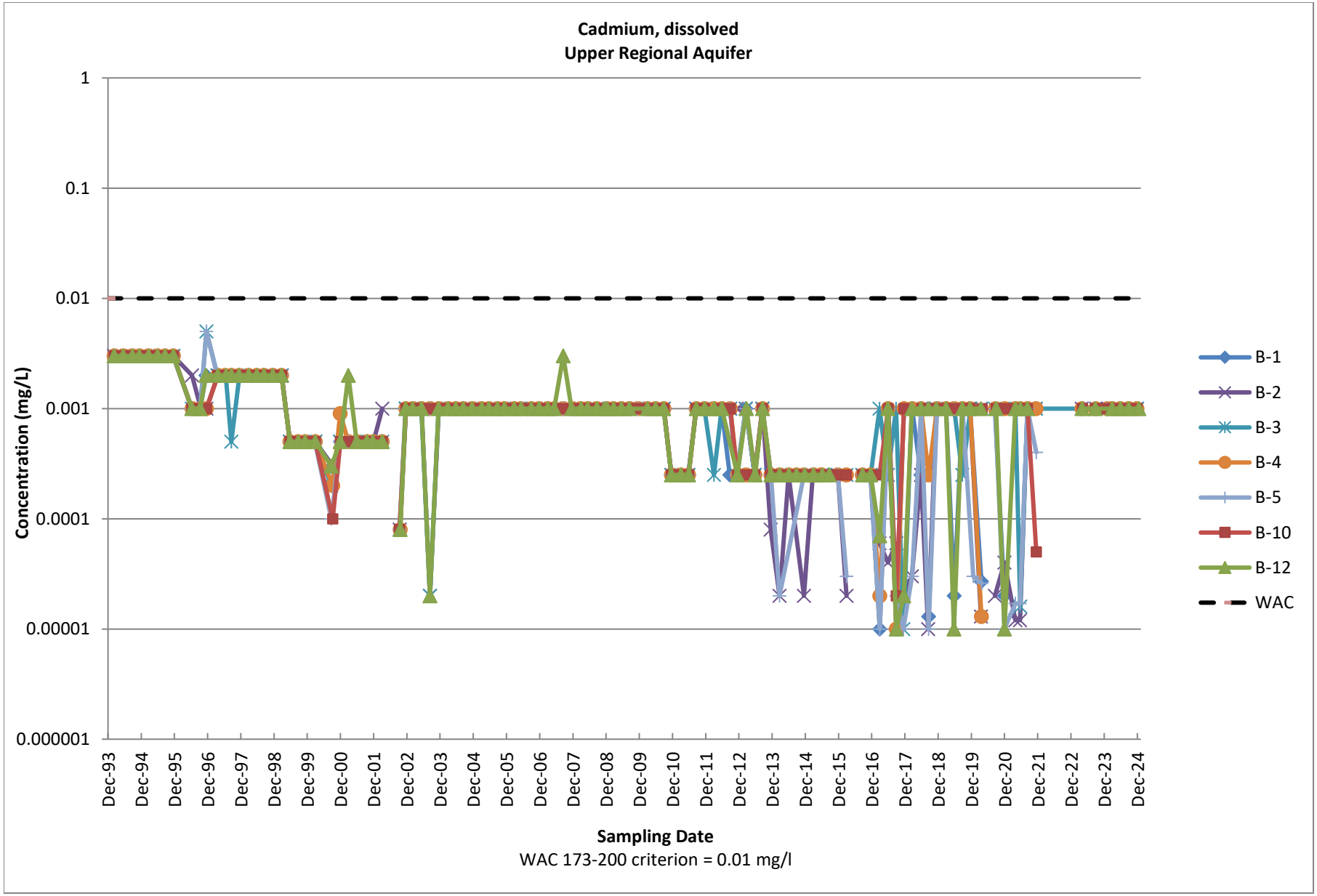

Antimony, dissolved
Upper Regional Aquifer
1
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

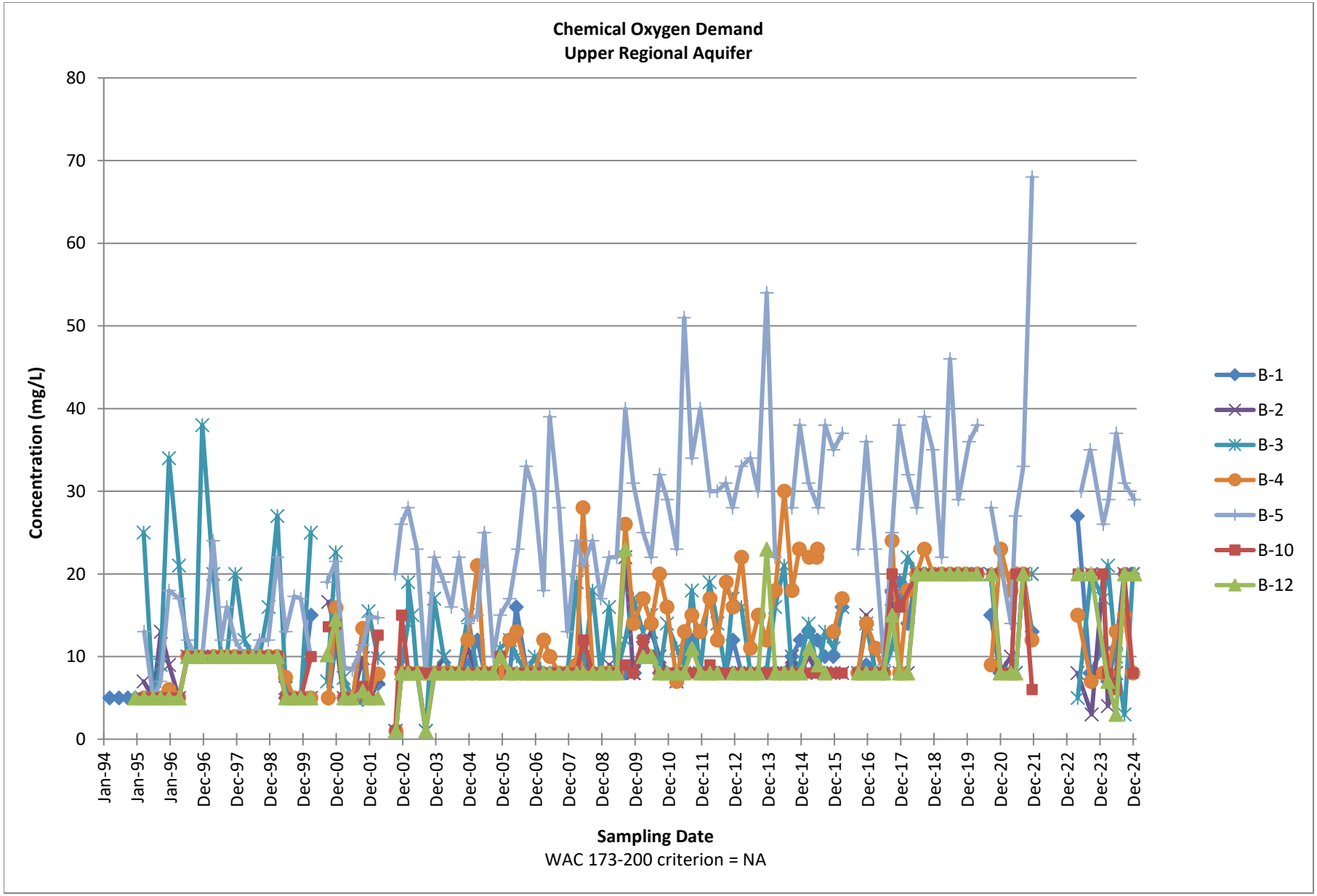

Arsenic, dissolved
Upper Regional Aquifer
Concentration (mg/L)
1
0.1
0.01
0.001
0.0001
0.00001
Dec-93
Dec-94
Dec-95
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 0.00005 mg/L

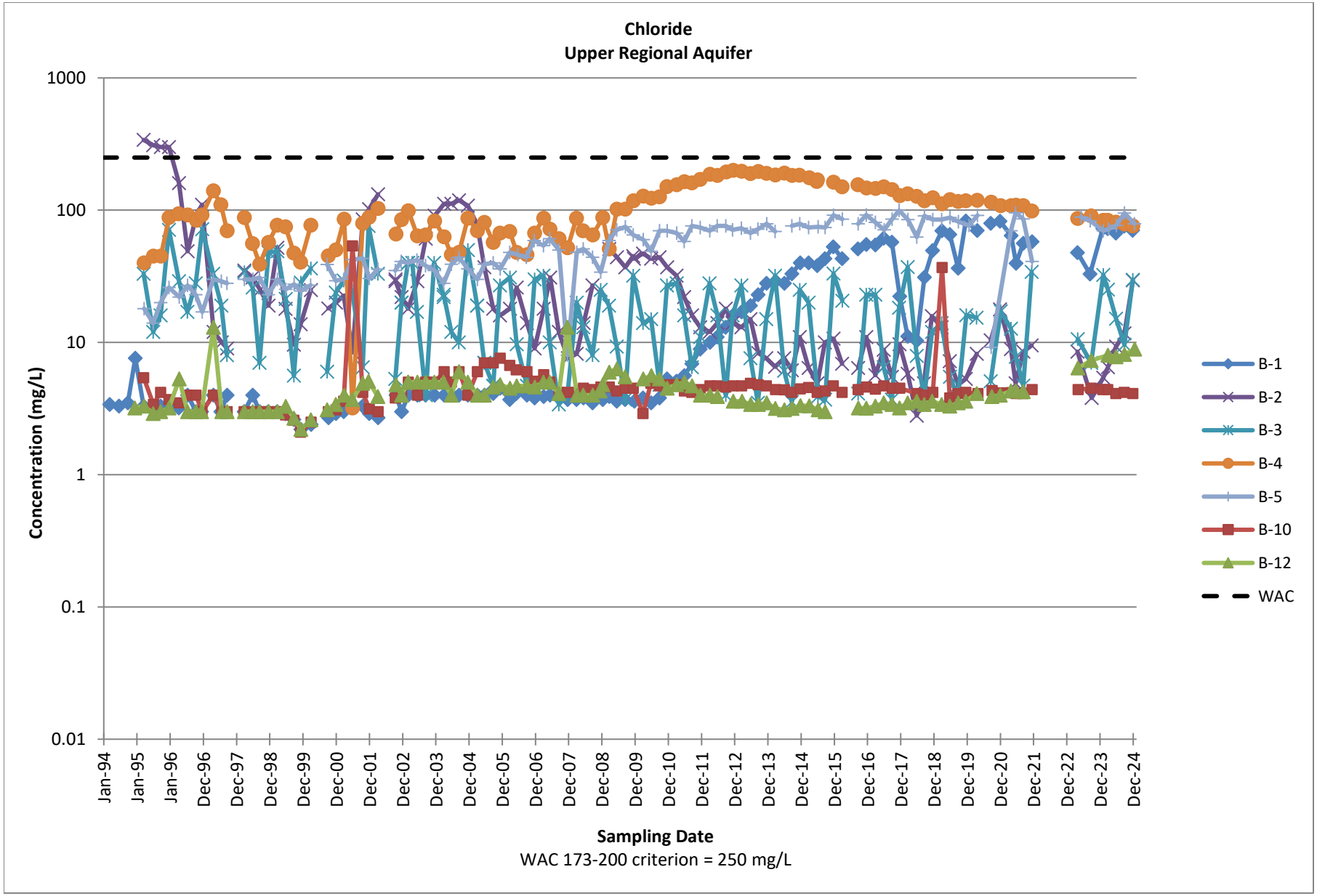

Barium, dissolved
Upper Regional Aquifer
10
1
0.1
0.01
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 1.0 mg/L

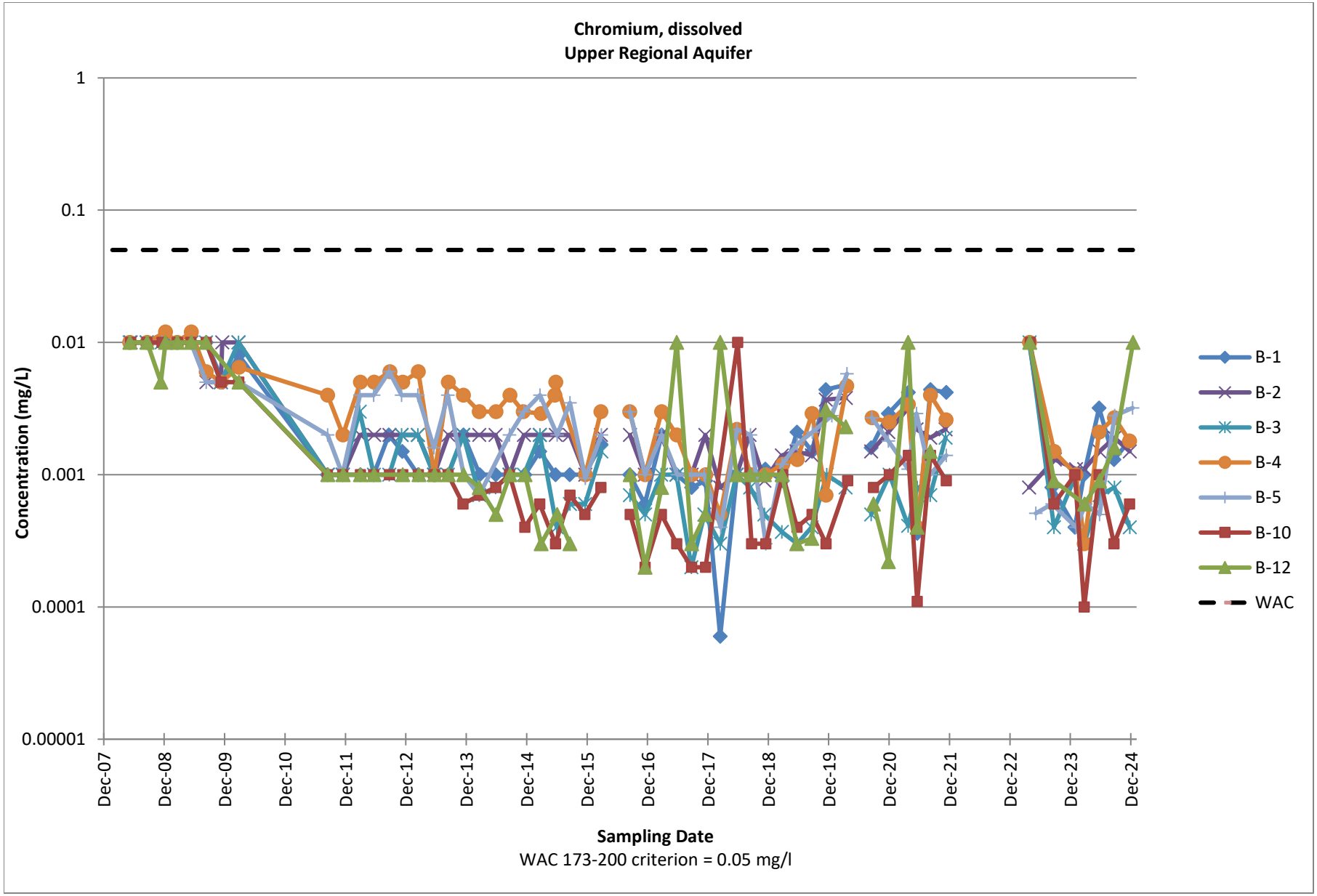

Bicarbonate
Upper Regional Aquifer
2500
2000
1500
1000
500
0
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

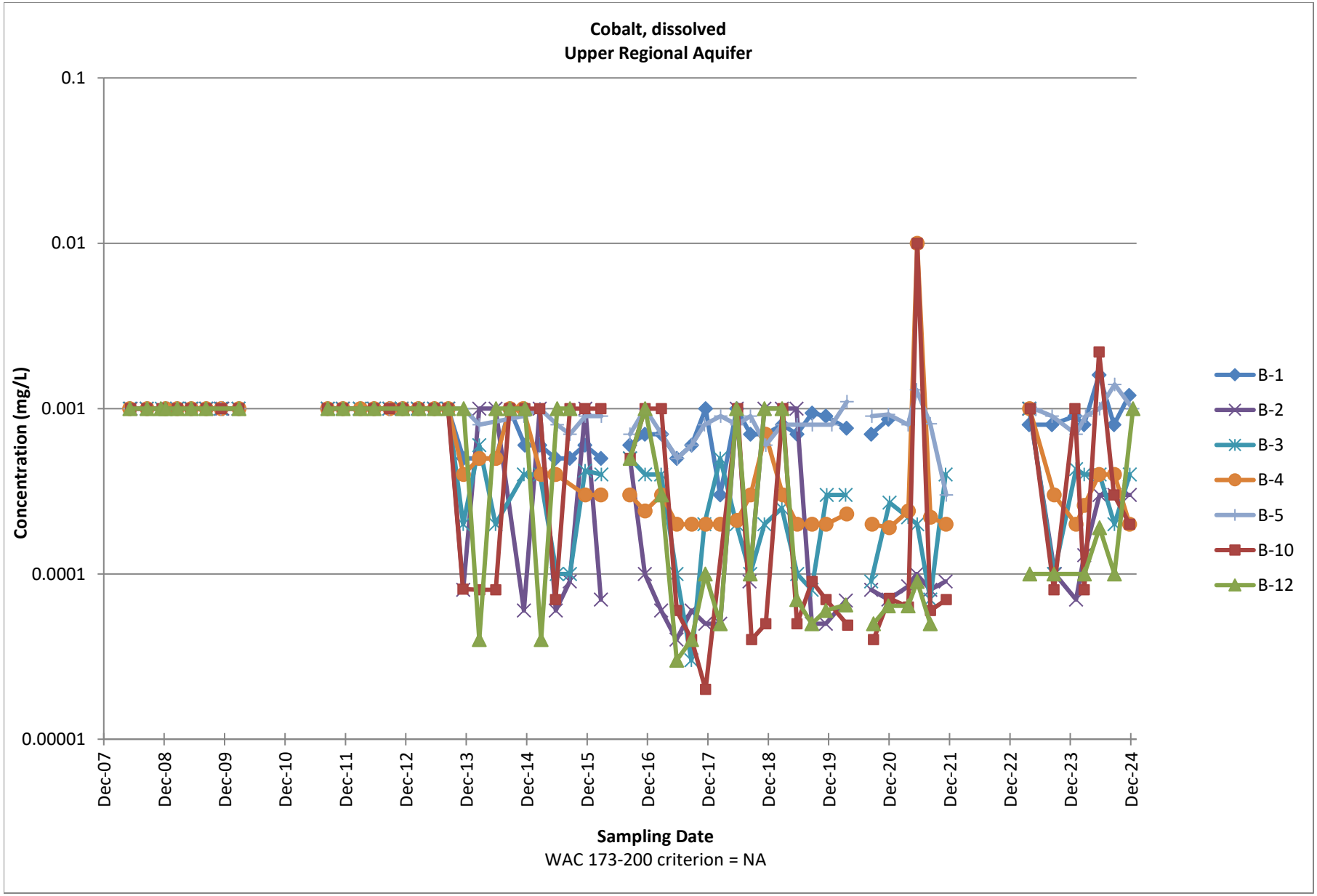

Calcium, total
Upper Regional Aquifer
Concentration (mg/L)
180
160
140
120
100
80
60
40
20
0
Dec-93
Dec-94
Dec-95
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
B-1
B-2
B-3
B-4
B-5
B-10
B-12
Sampling Date
WAC 173-200 criterion = NA

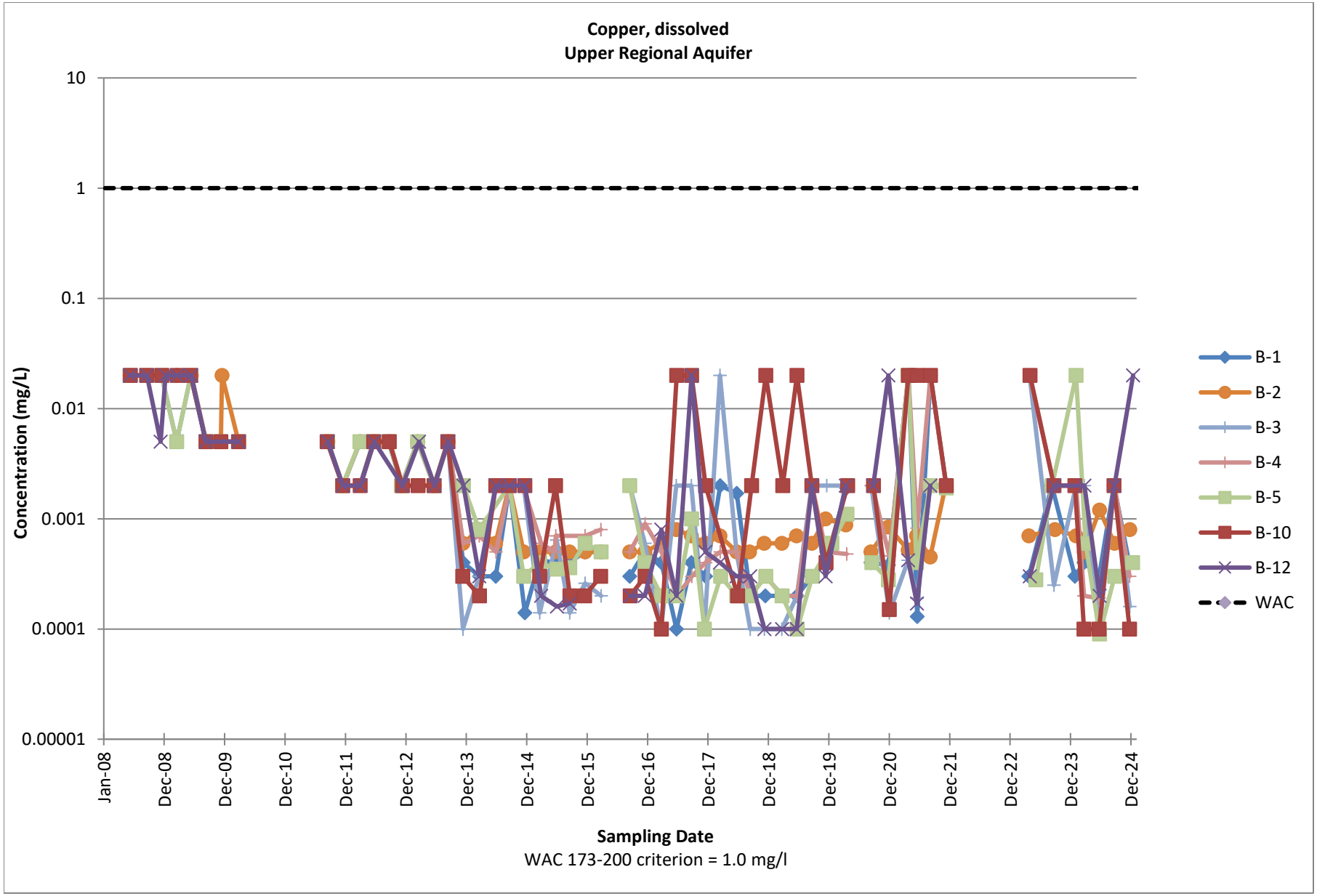

Cadmium, dissolved
Upper Regional Aquifer
Concentration (mg/L)
1
0.1
0.01
0.001
0.0001
0.00001
0.000001
Dec-93
Dec-94
Dec-95
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 0.01 mg/l

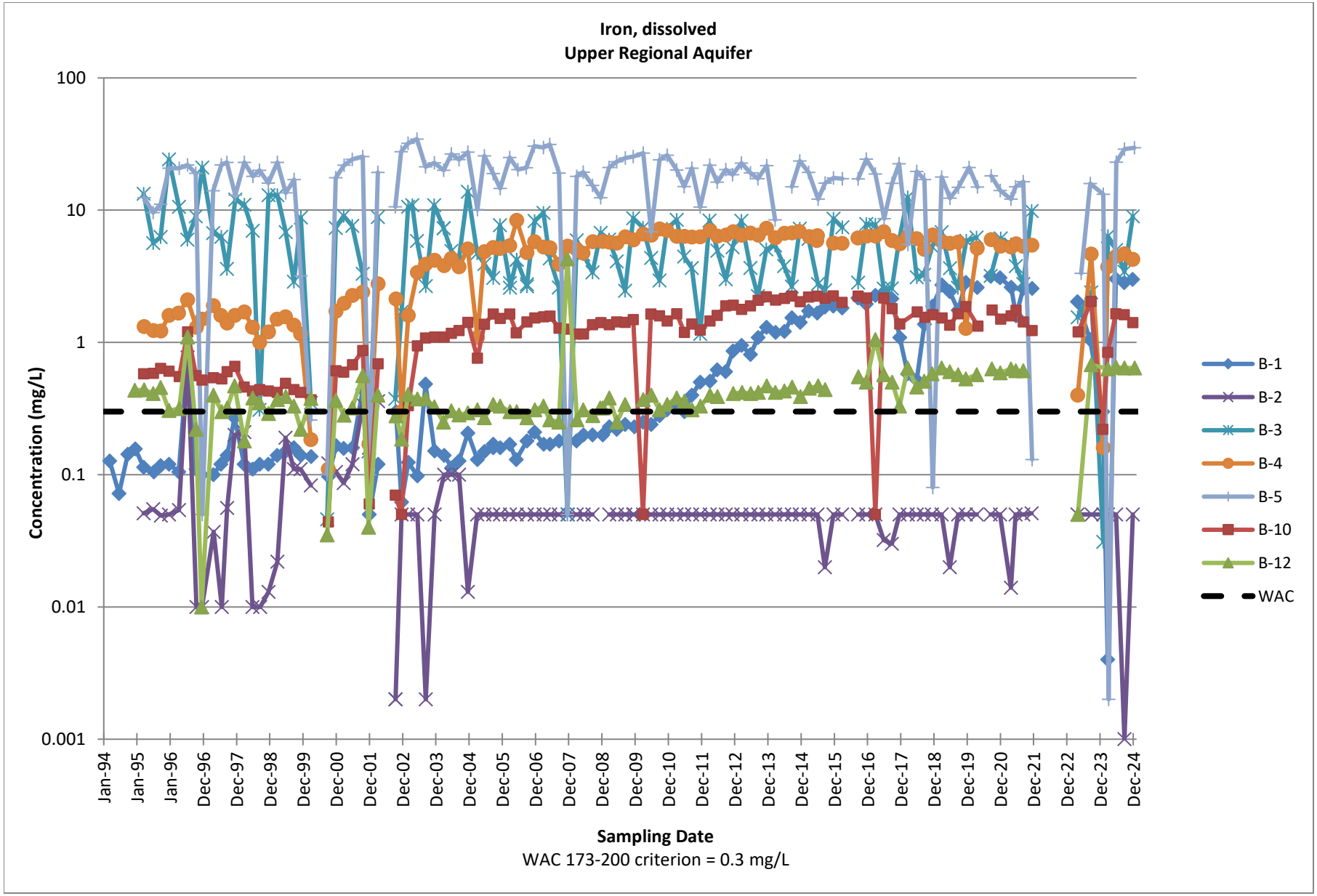

Chemical Oxygen Demand
Upper Regional Aquifer
Concentration (mg/L)
0
10
20
30
40
50
60
70
80
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

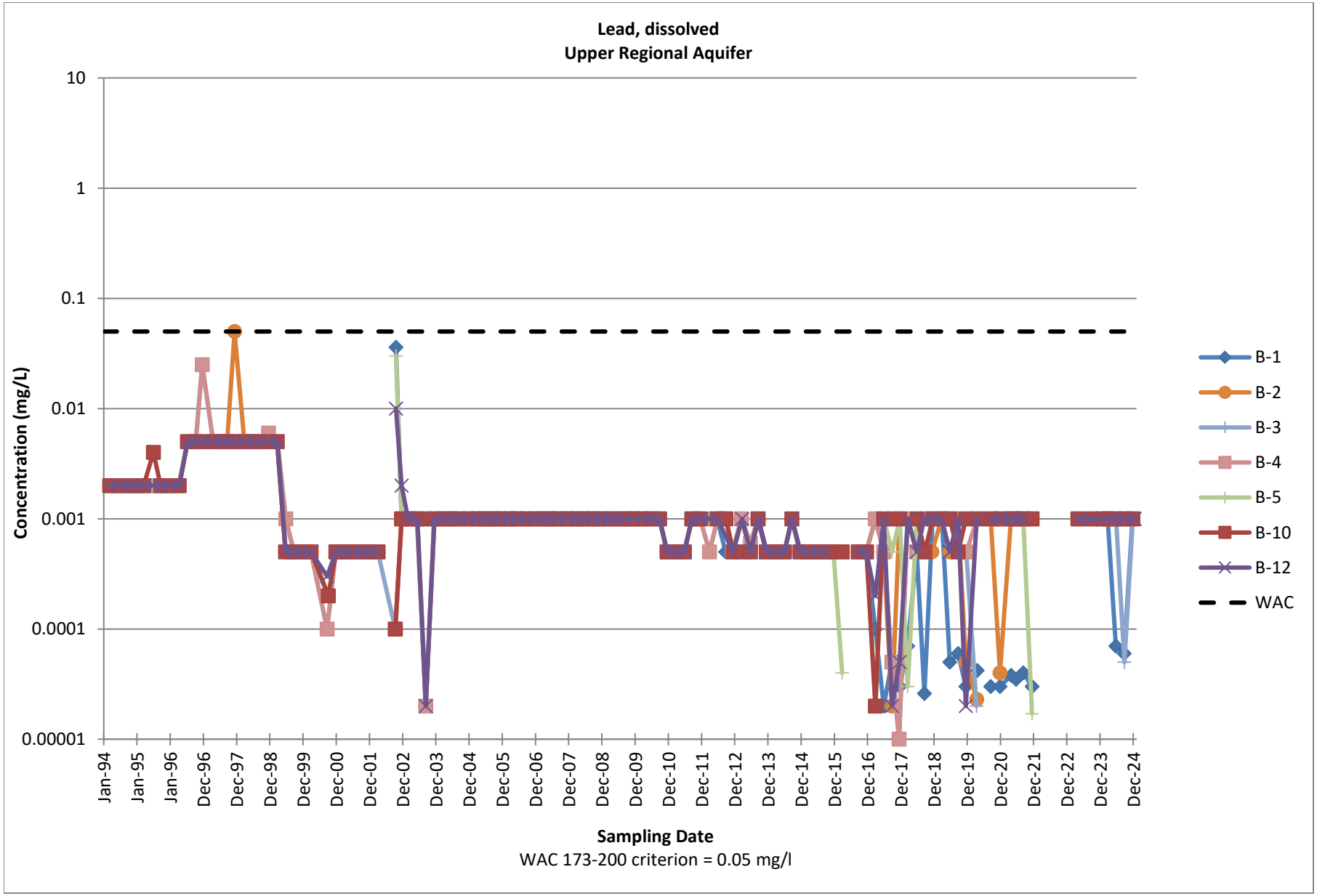

Chloride
Upper Regional Aquifer
1000
100
10
1
0.1
0.01
Concentration (mg/L)
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 250 mg/L

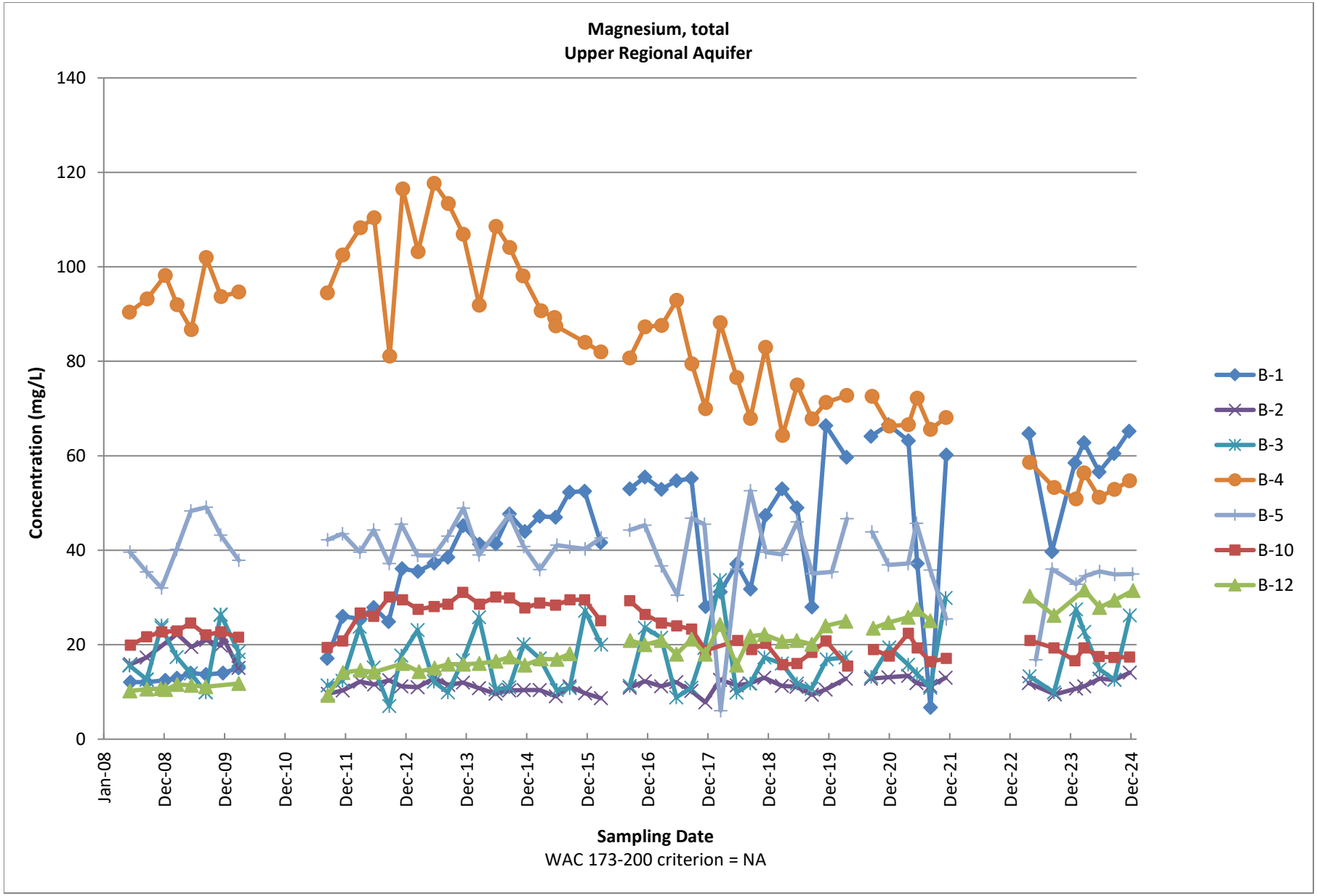

Chromium, dissolved
Upper Regional Aquifer
1
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 0.05 mg/l

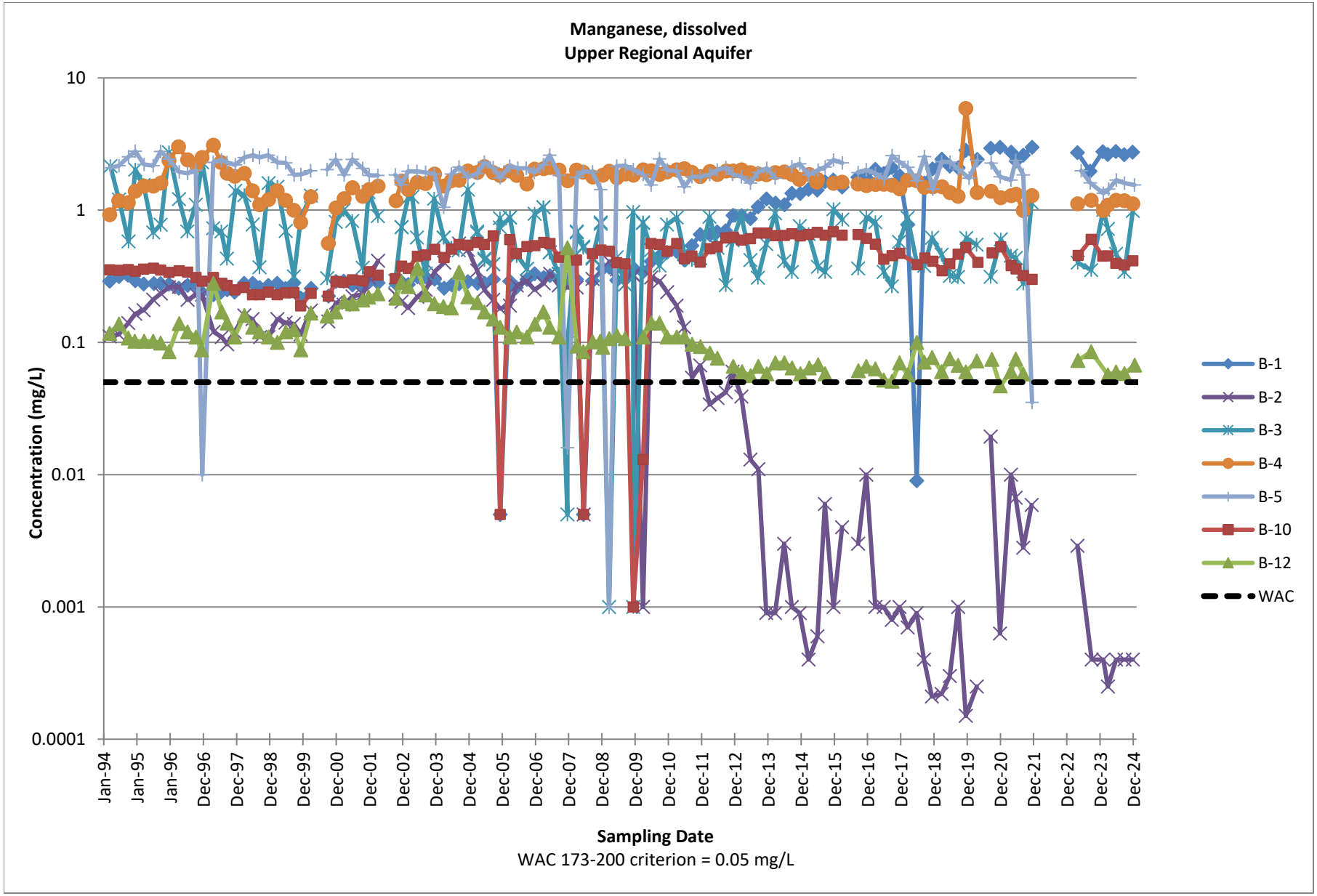

Cobalt, dissolved
Upper Regional Aquifer
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

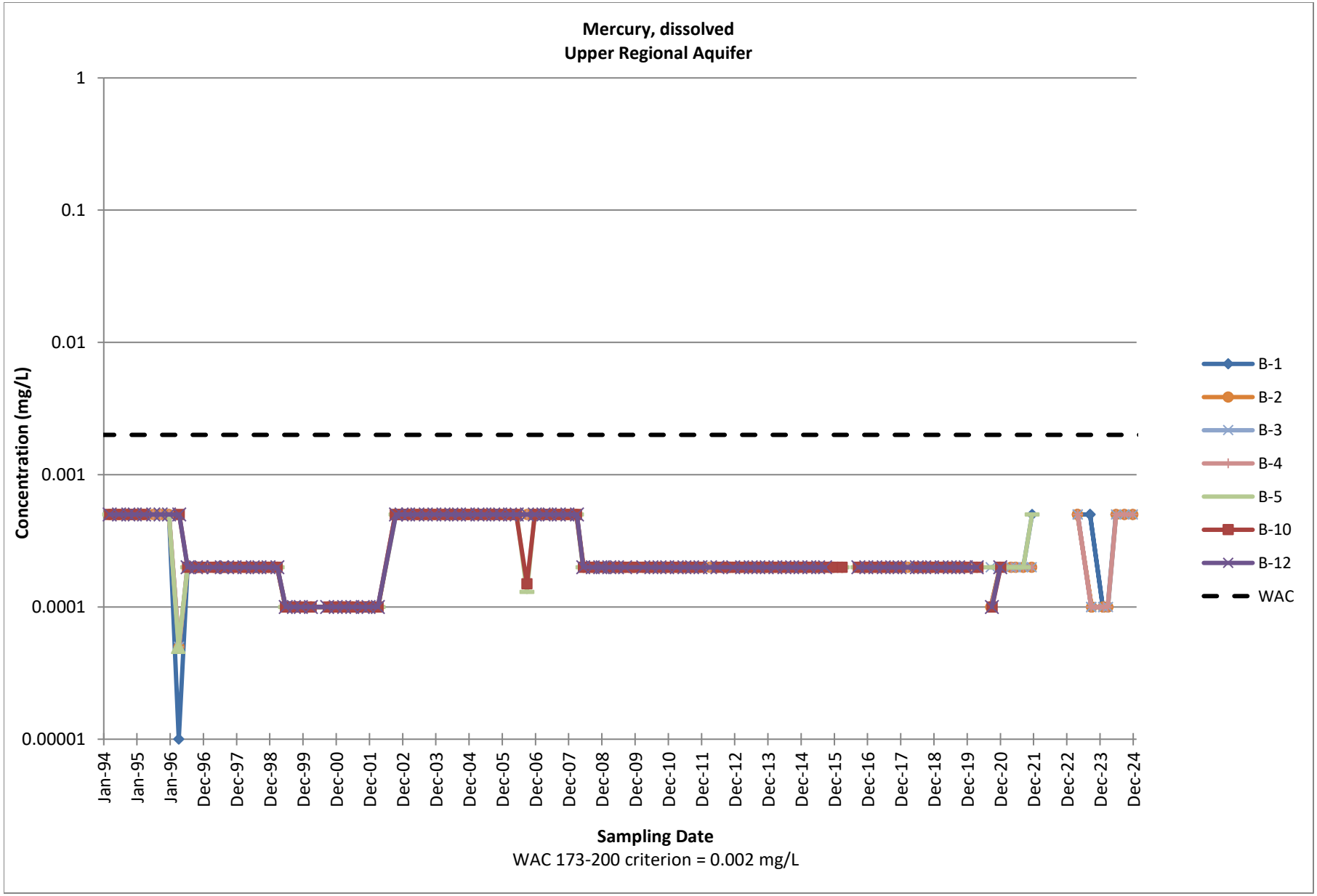

Copper, dissolved
Upper Regional Aquifer
10
1
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Jan-08
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 1.0 mg/l

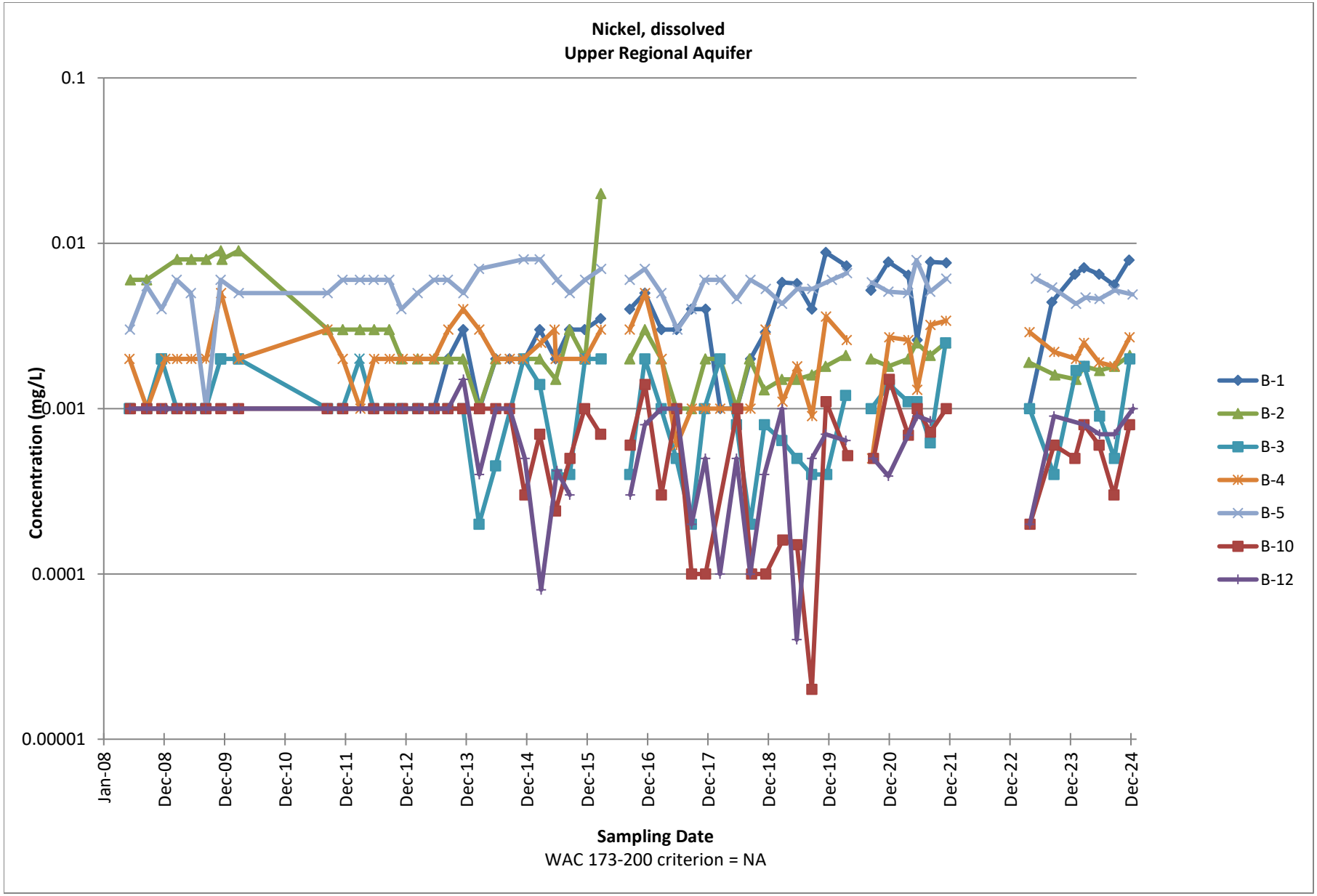

Iron, dissolved
Upper Regional Aquifer
Concentration (mg/L)
100
10
1
0.1
0.01
0.001
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = 0.3 mg/L
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC

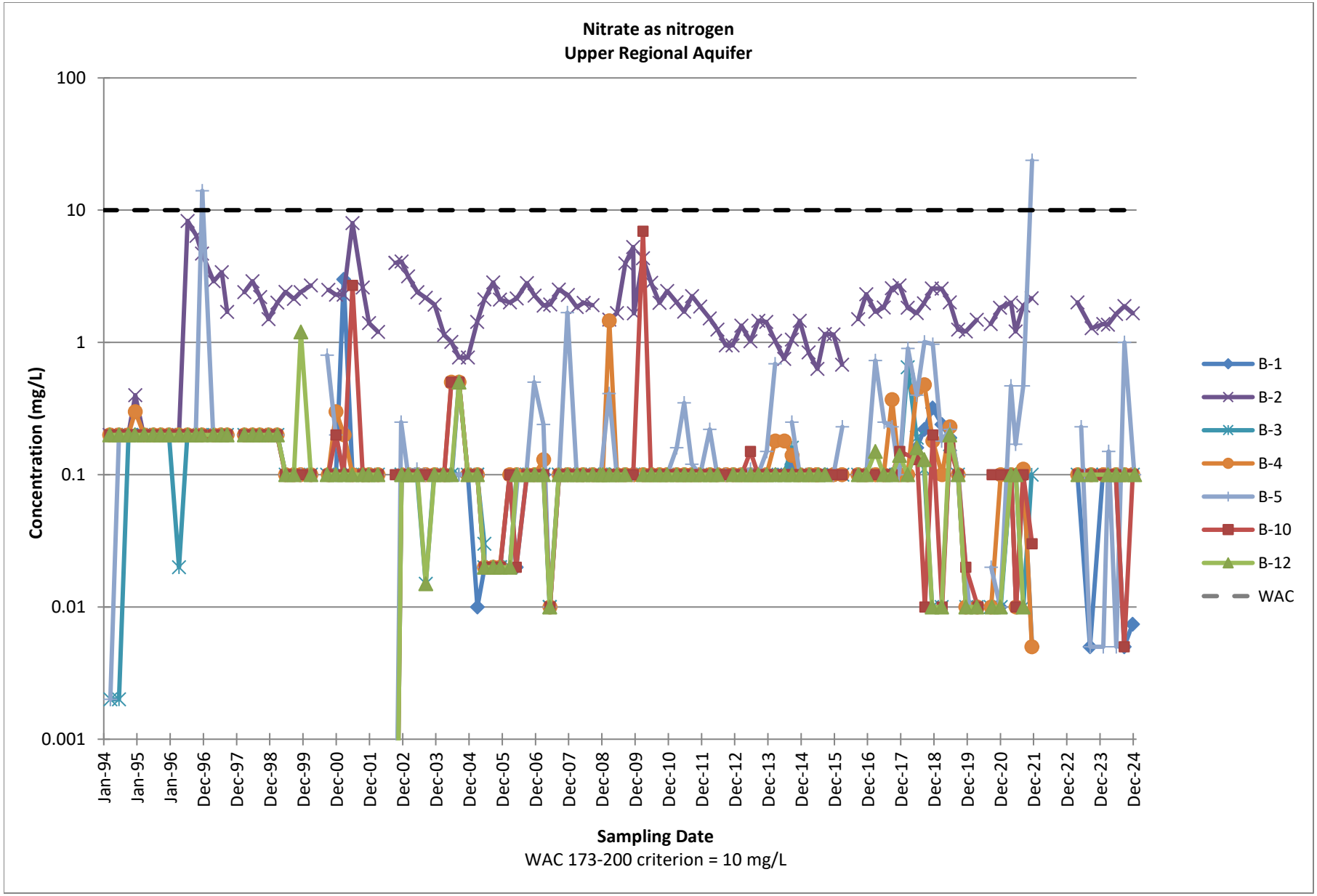

Lead, dissolved
Upper Regional Aquifer
10
1
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 0.05 mg/l

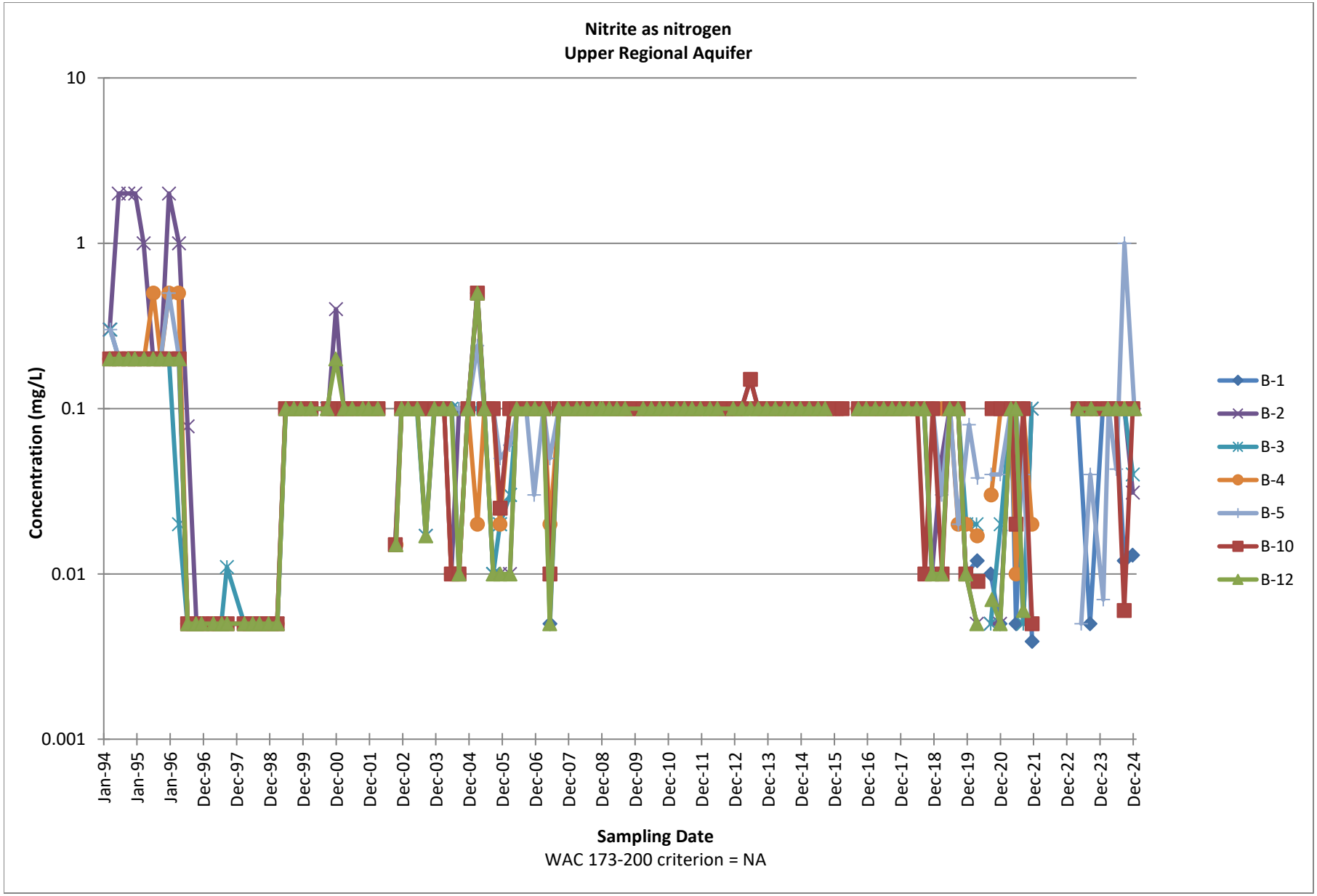

Magnesium, total
Upper Regional Aquifer
Concentration (mg/L)
140
120
100
80
60
40
20
0
Jan-08
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

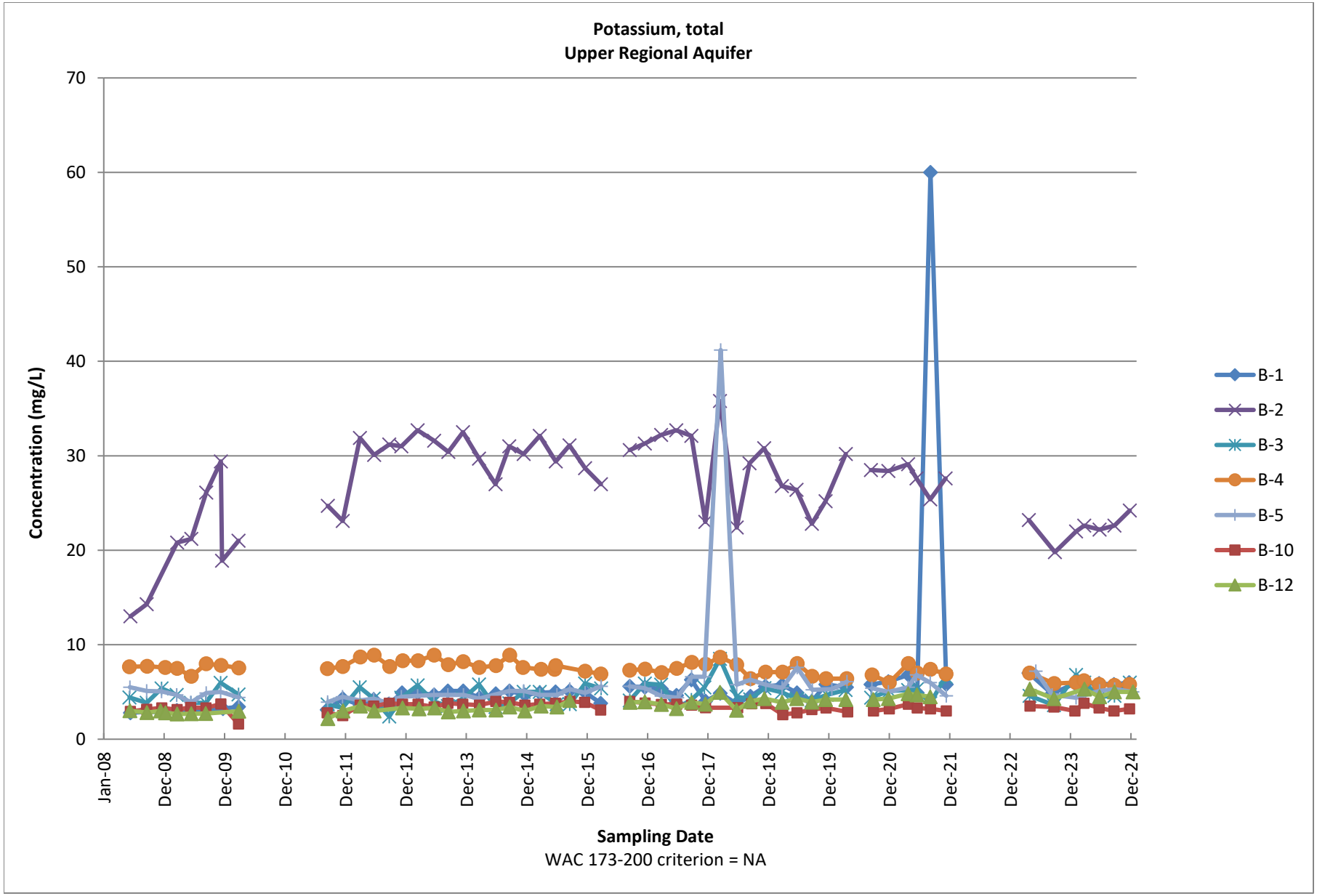

Manganese, dissolved
Upper Regional Aquifer
Concentration (mg/L)
10
1
0.1
0.01
0.001
0.0001
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 0.05 mg/L

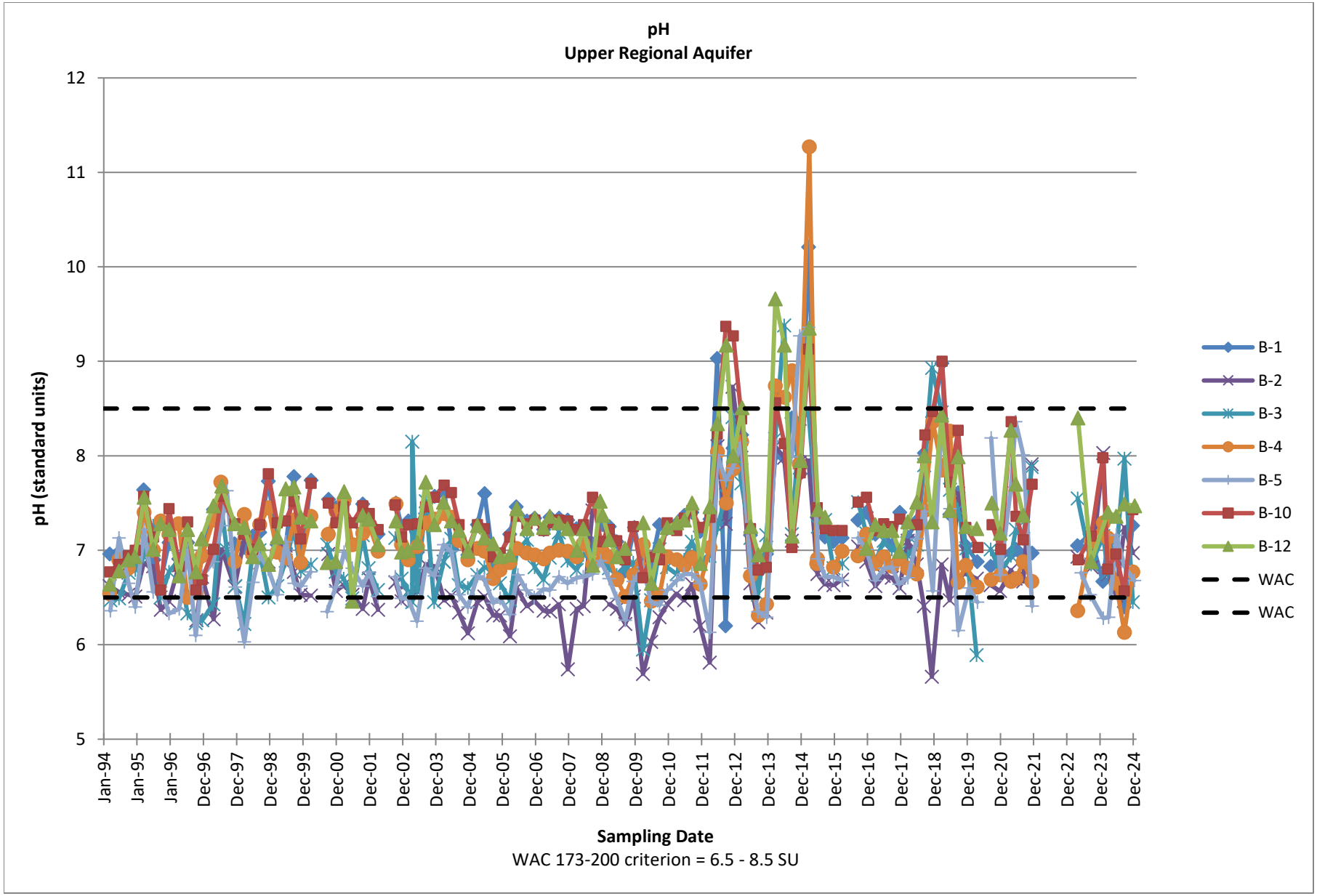

Mercury, dissolved
Upper Regional Aquifer
Concentration (mg/L)
1
0.1
0.01
0.001
0.0001
0.00001
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 0.002 mg/L

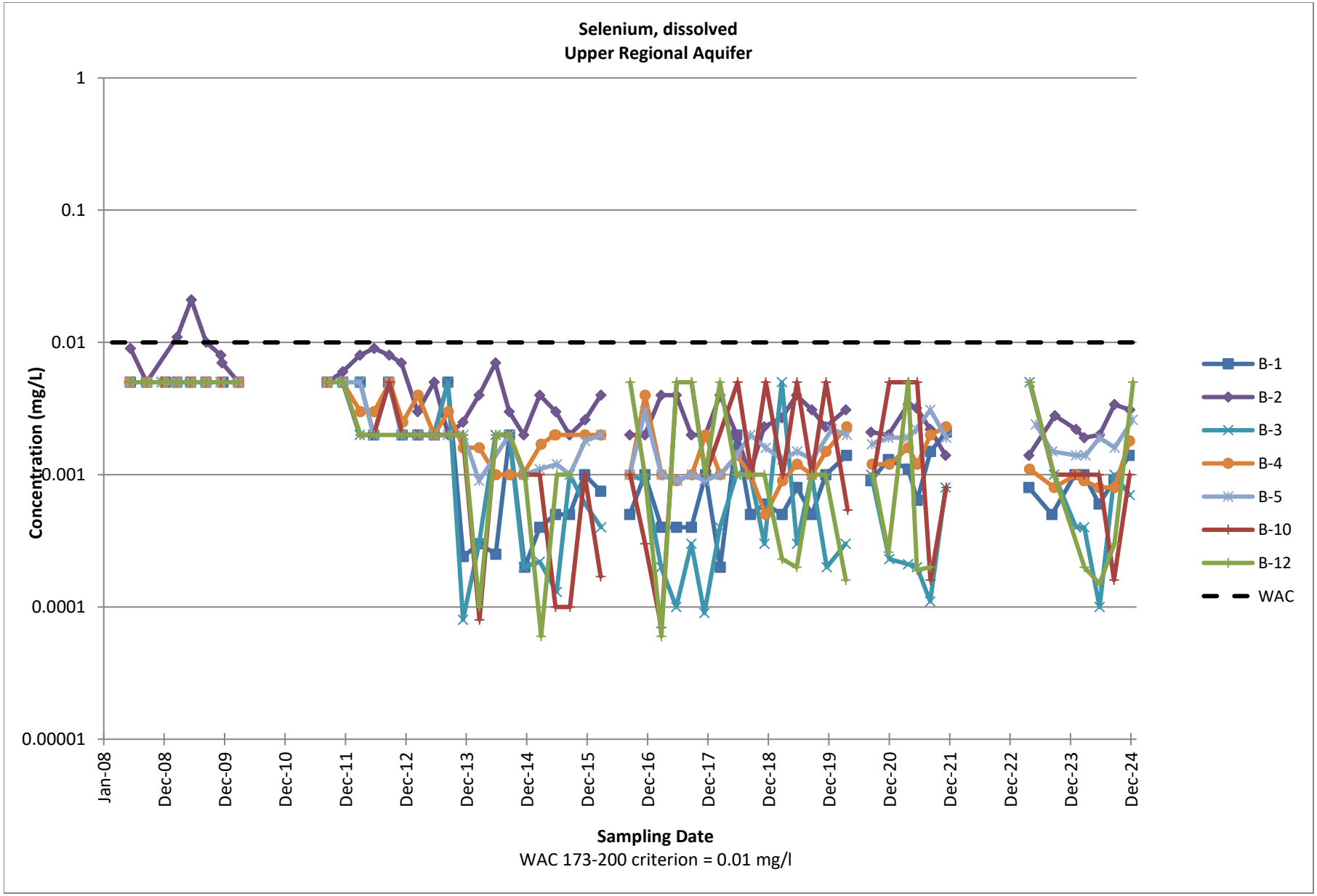

Nickel, dissolved
Upper Regional Aquifer
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Jan-08
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

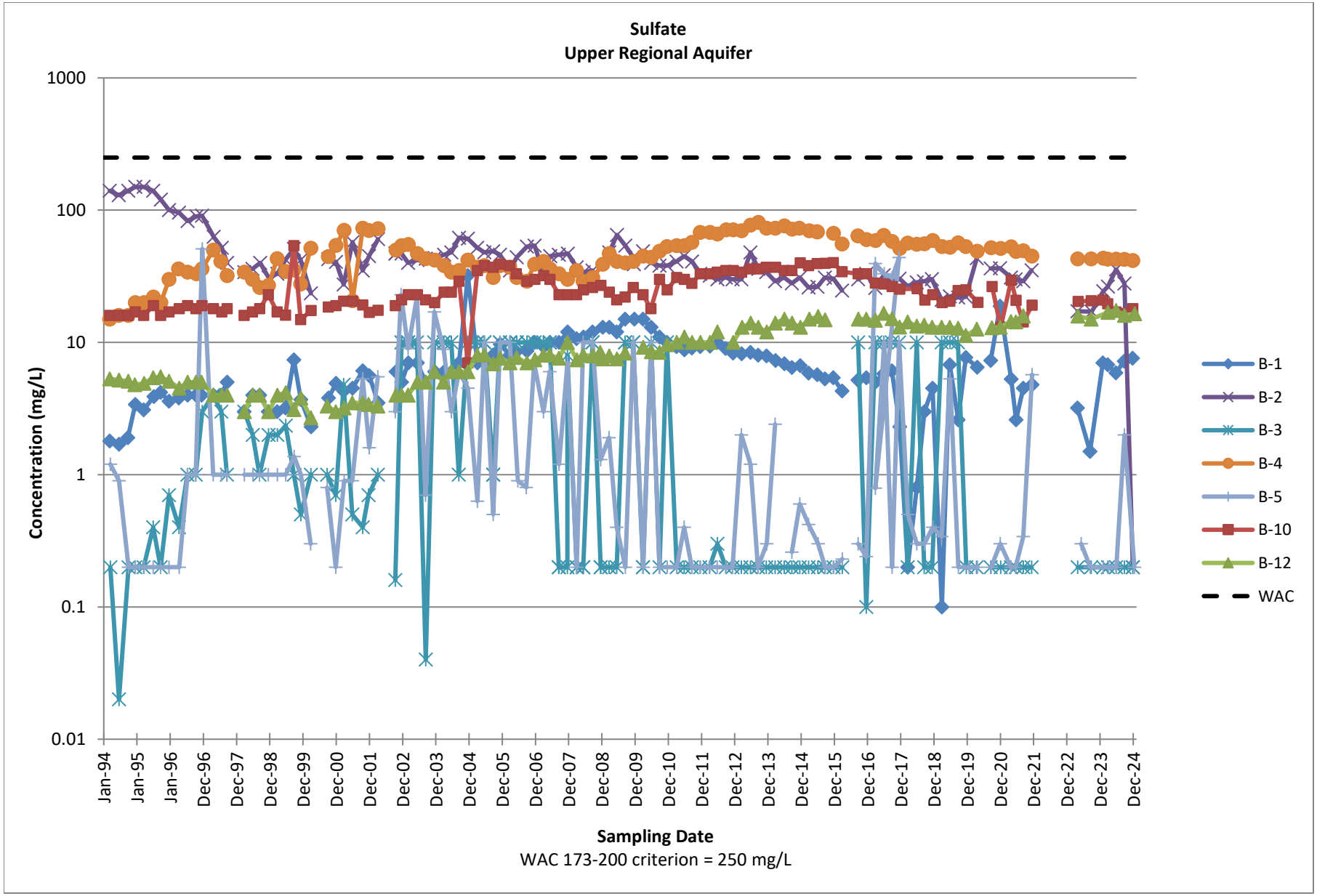

Nitrate as nitrogen
Upper Regional Aquifer
100
10
1
0.1
0.01
0.001
Concentration (mg/L)
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 10 mg/L

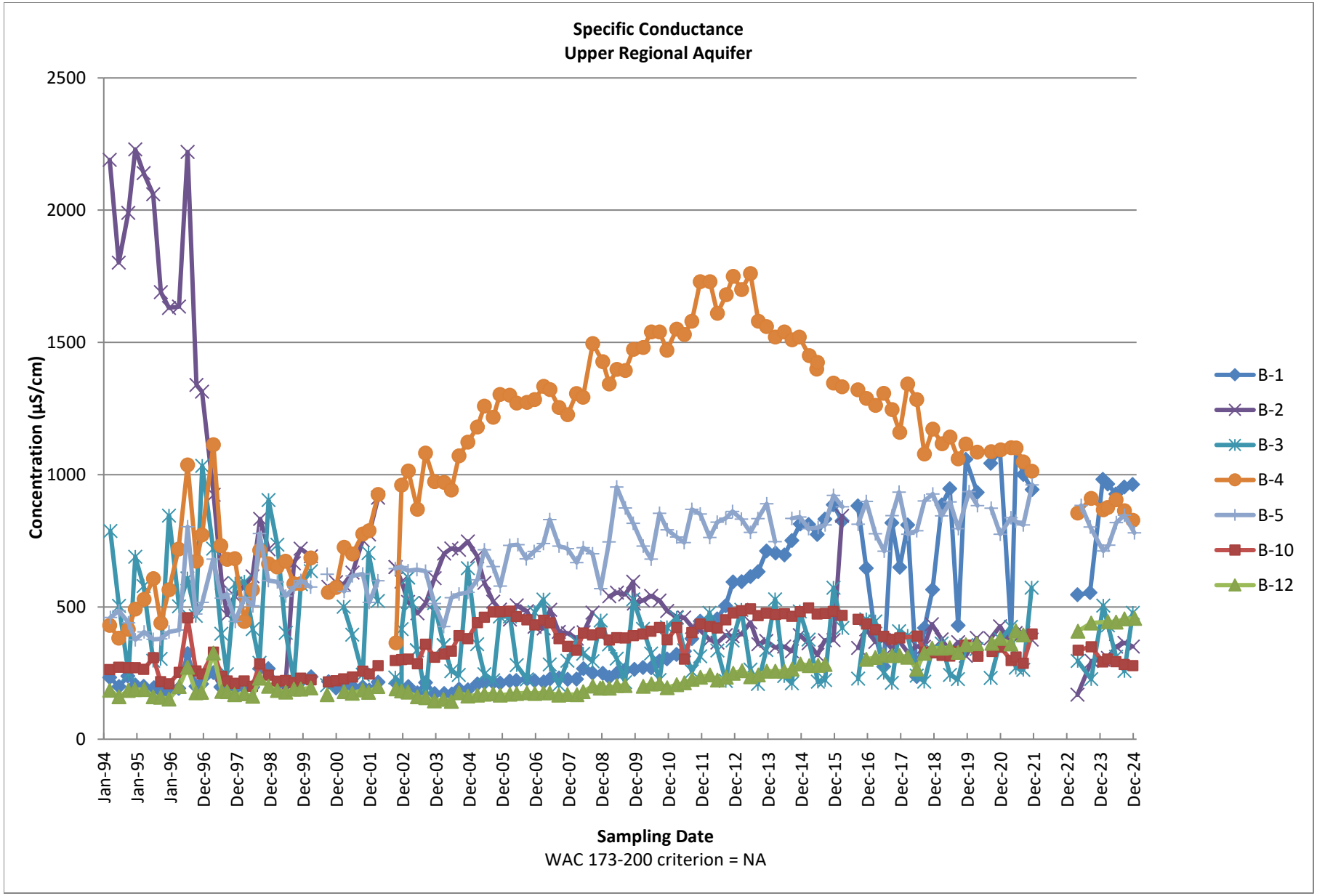

Nitrite as nitrogen
Upper Regional Aquifer
10
1
0.1
0.01
0.001
Concentration (mg/L)
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

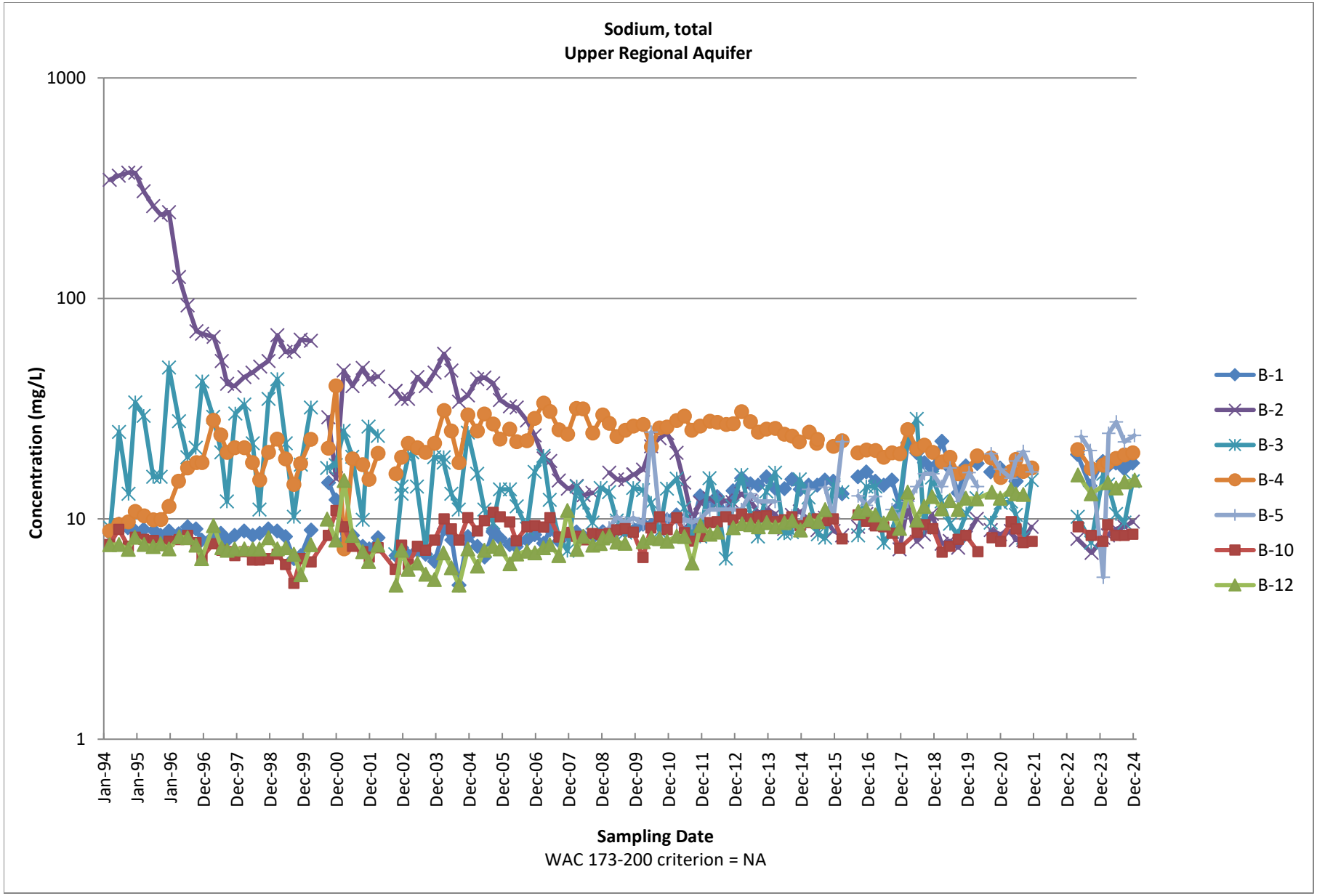

Potassium, total
Upper Regional Aquifer
Concentration (mg/L)
70
60
50
40
30
20
10
0
Jan-08
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

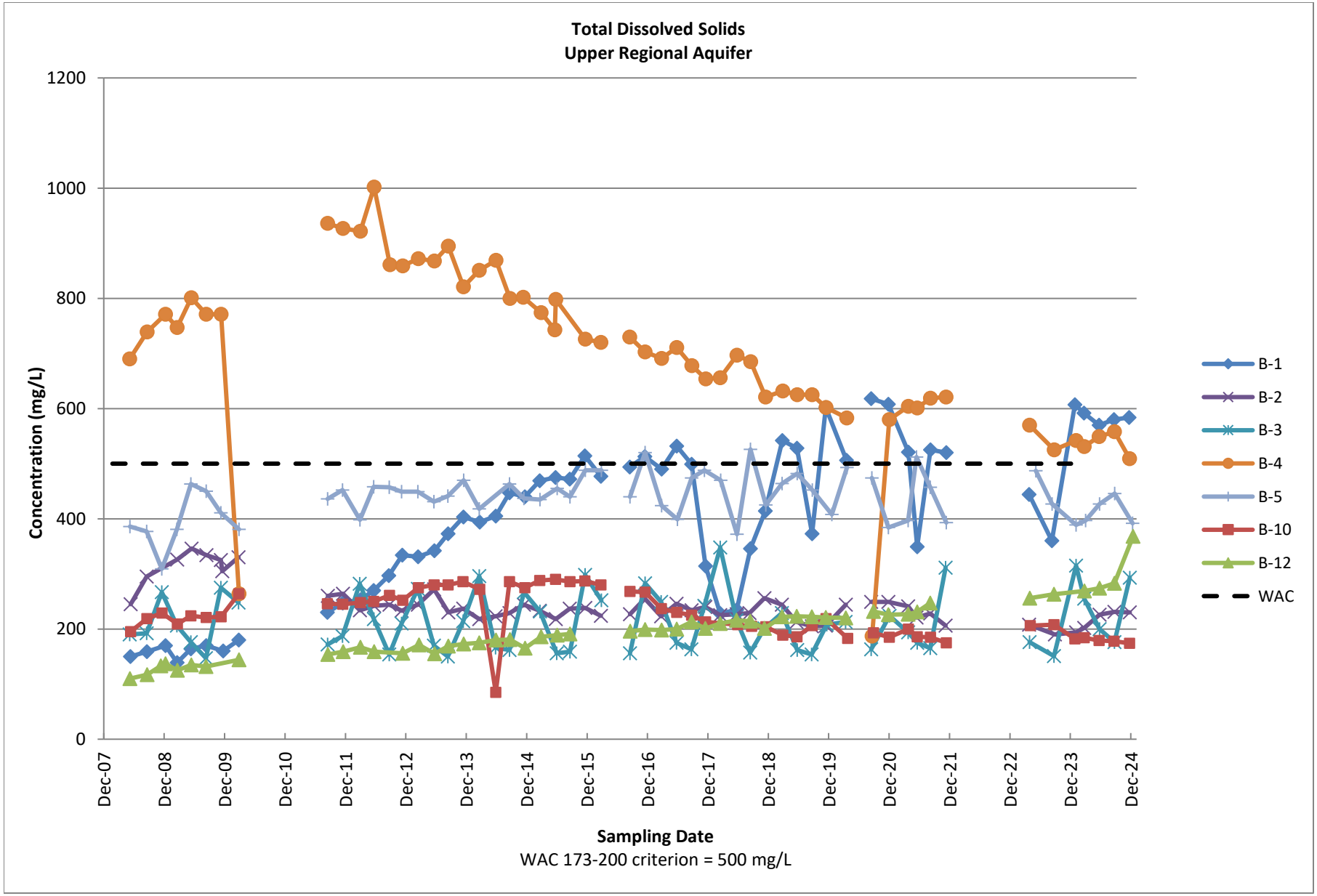

pH
Upper Regional Aquifer
pH (standard units)
12
11
10
9
8
7
6
5
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC
Sampling Date
WAC 173-200 criterion = 6.5 - 8.5 SU

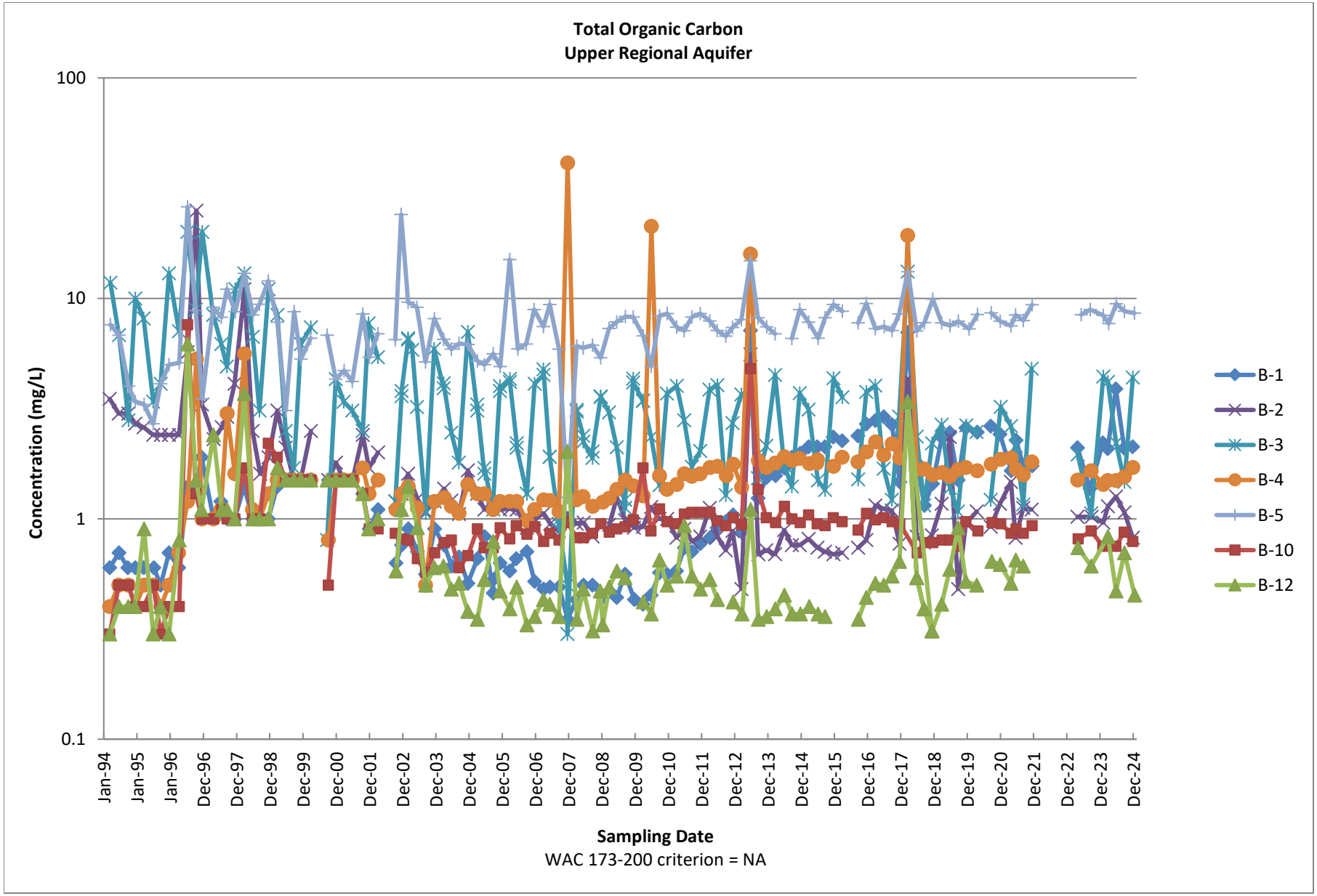

Selenium, dissolved
Upper Regional Aquifer
Concentration (mg/L)
1
0.1
0.01
0.001
0.0001
0.00001
Jan-08
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = 0.01 mg/l
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC

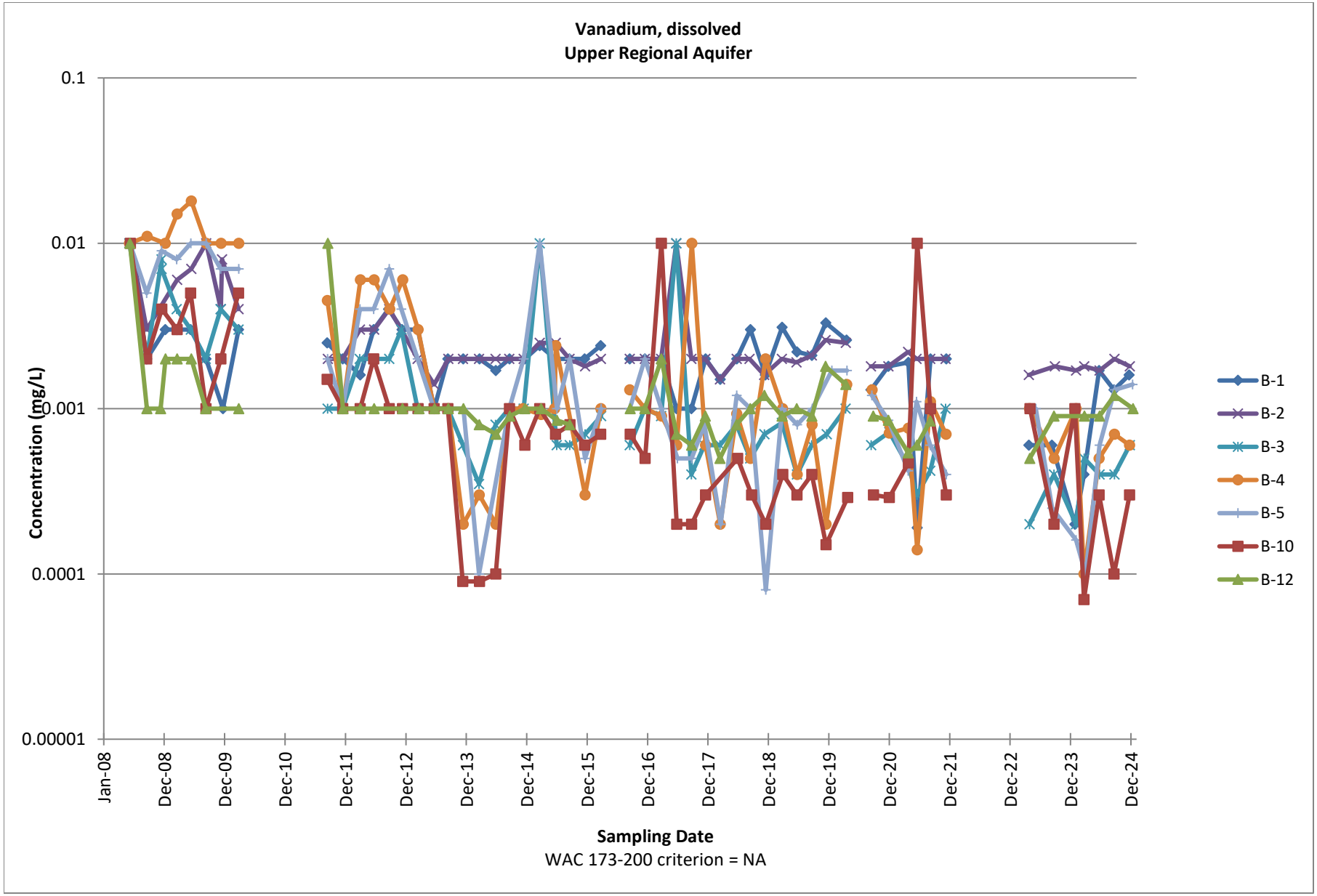

Sulfate
Upper Regional Aquifer
1000
100
10
1
0.1
0.01
Concentration (mg/L)
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 250 mg/L

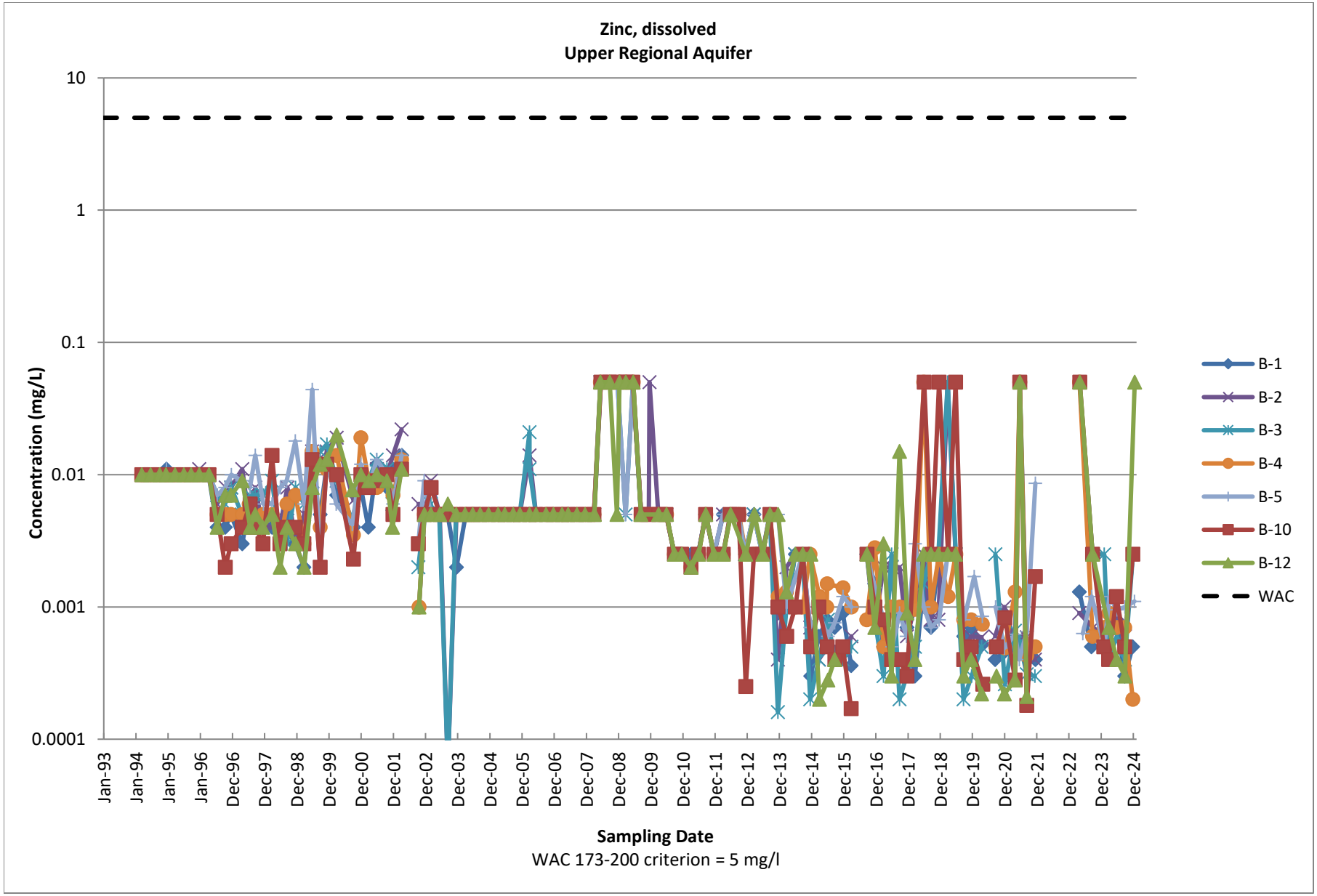

Specific Conductance
Upper Regional Aquifer
Concentration (µS/cm)
2500
2000
1500
1000
500
0
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

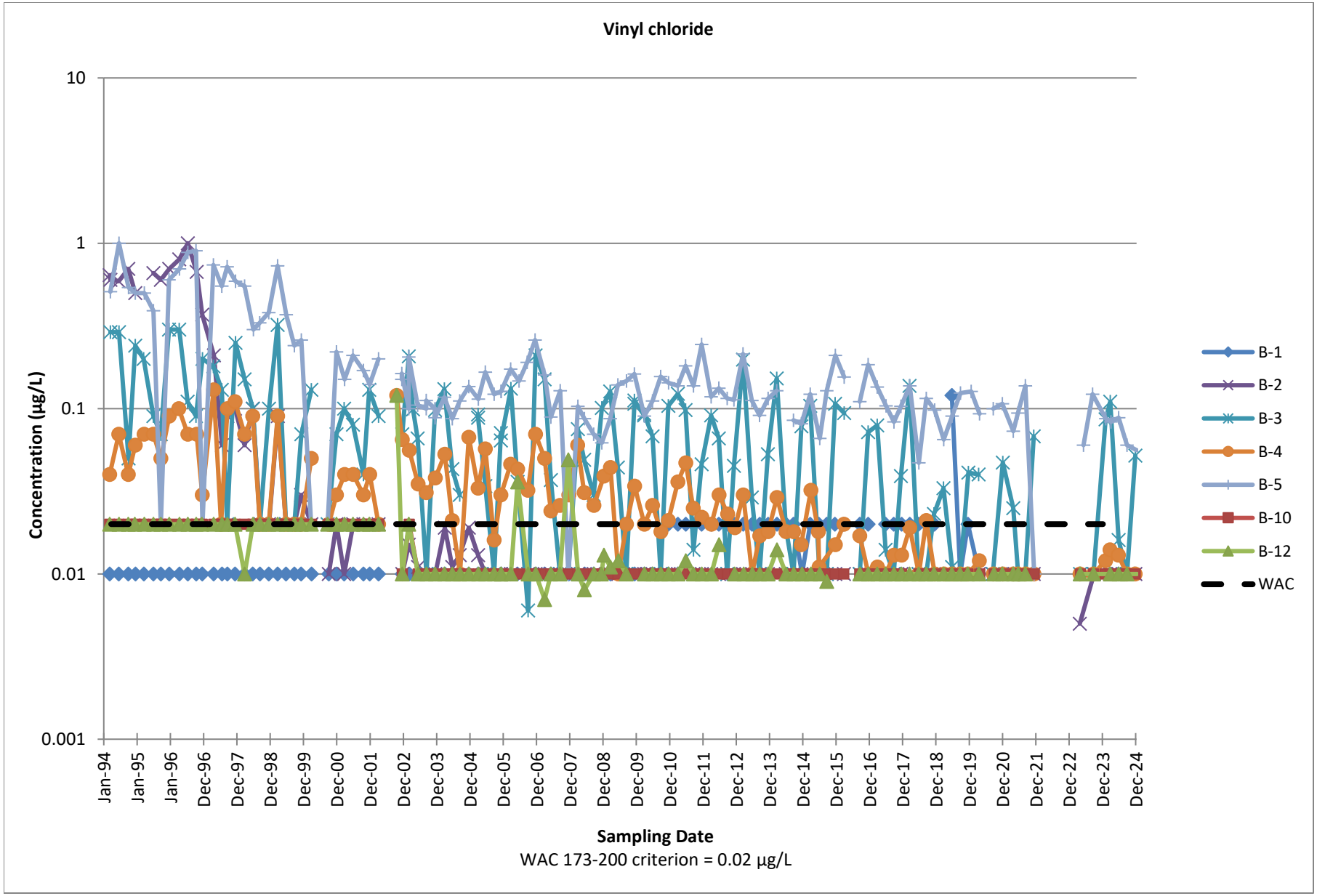

Sodium, total
Upper Regional Aquifer
1000
100
10
1
Concentration (mg/L)
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

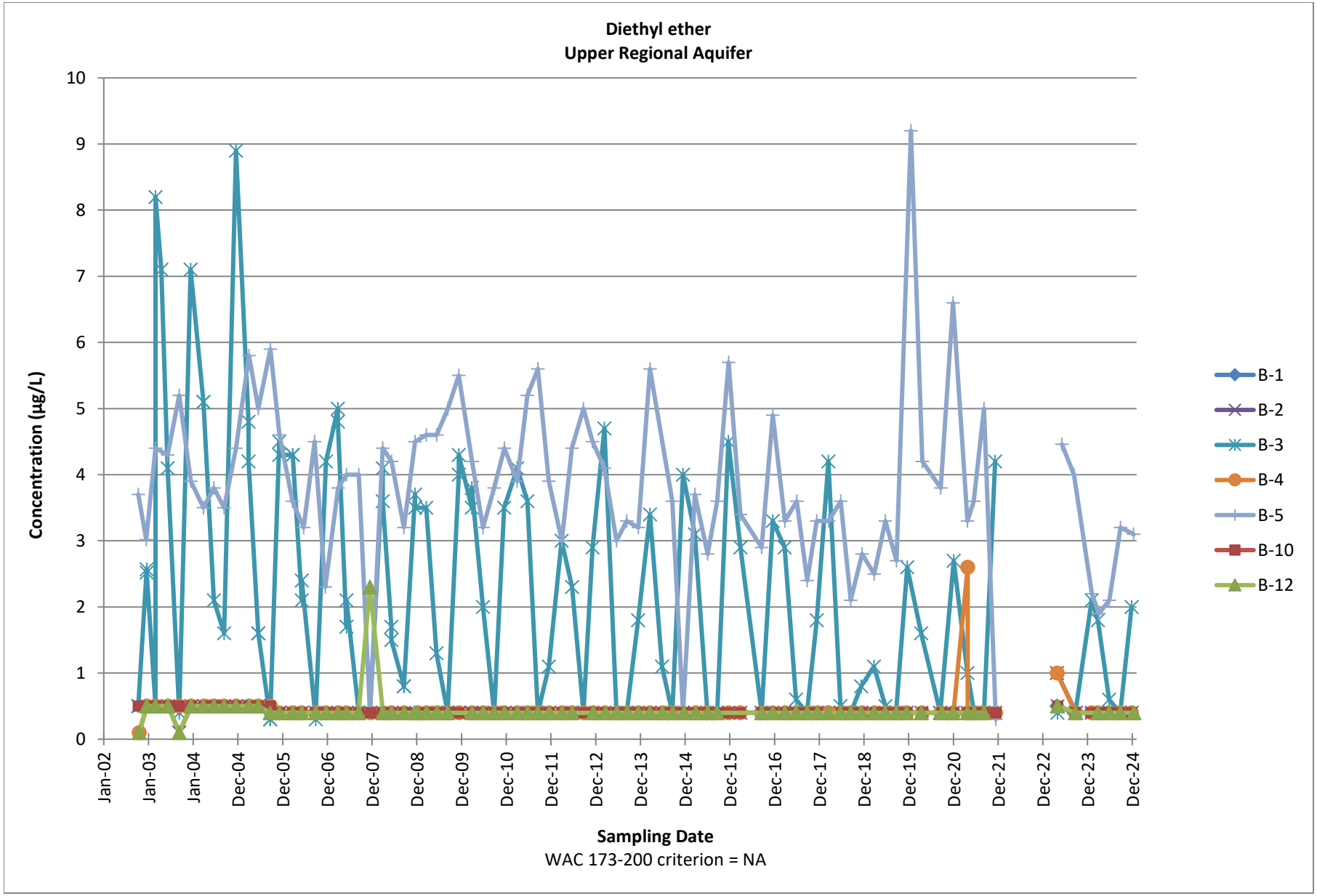

Total Dissolved Solids
Upper Regional Aquifer
Concentration (mg/L)
1200
1000
800
600
400
200
0
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 500 mg/L

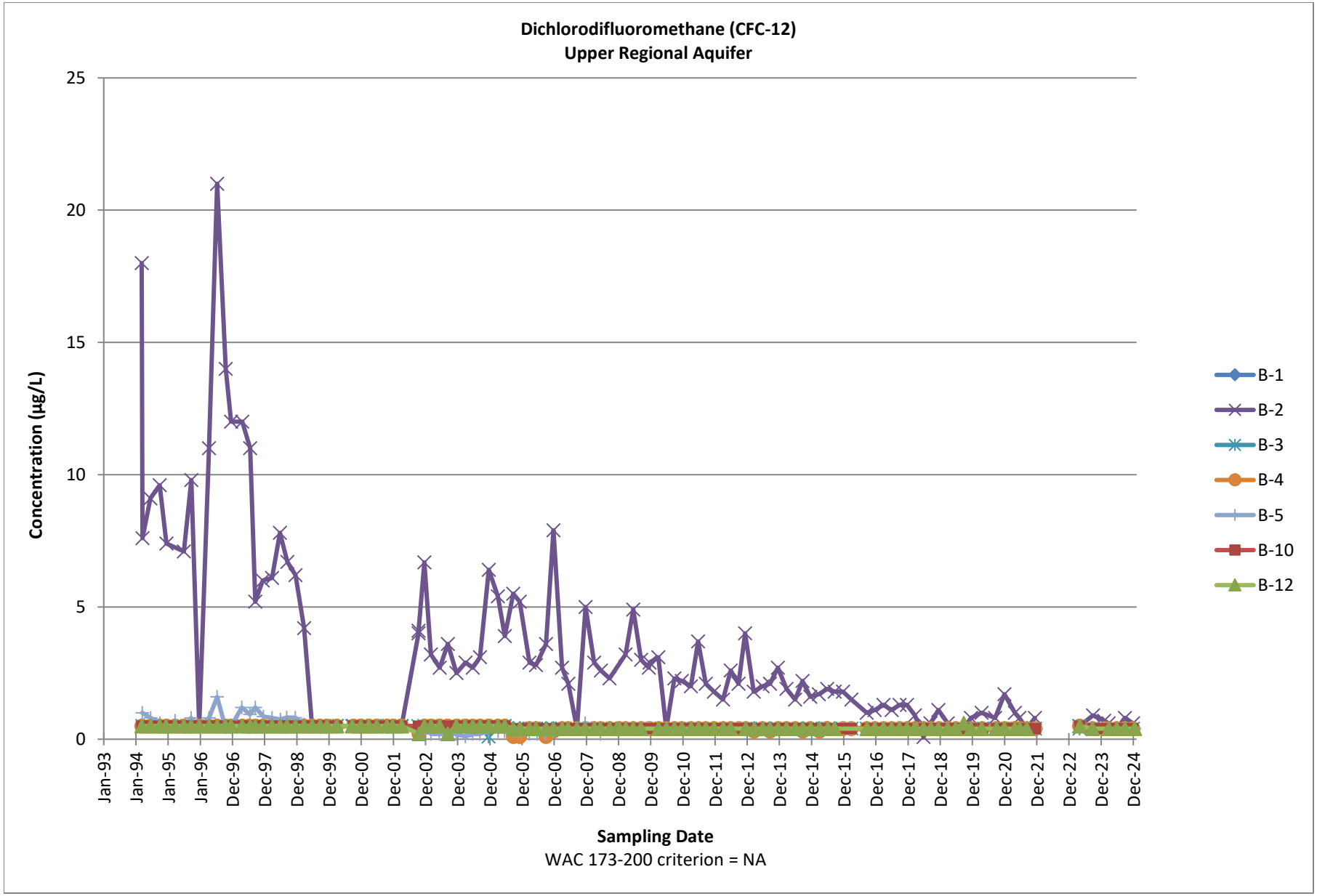

Total Organic Carbon
Upper Regional Aquifer
100
10
1
0.1
Concentration (mg/L)
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

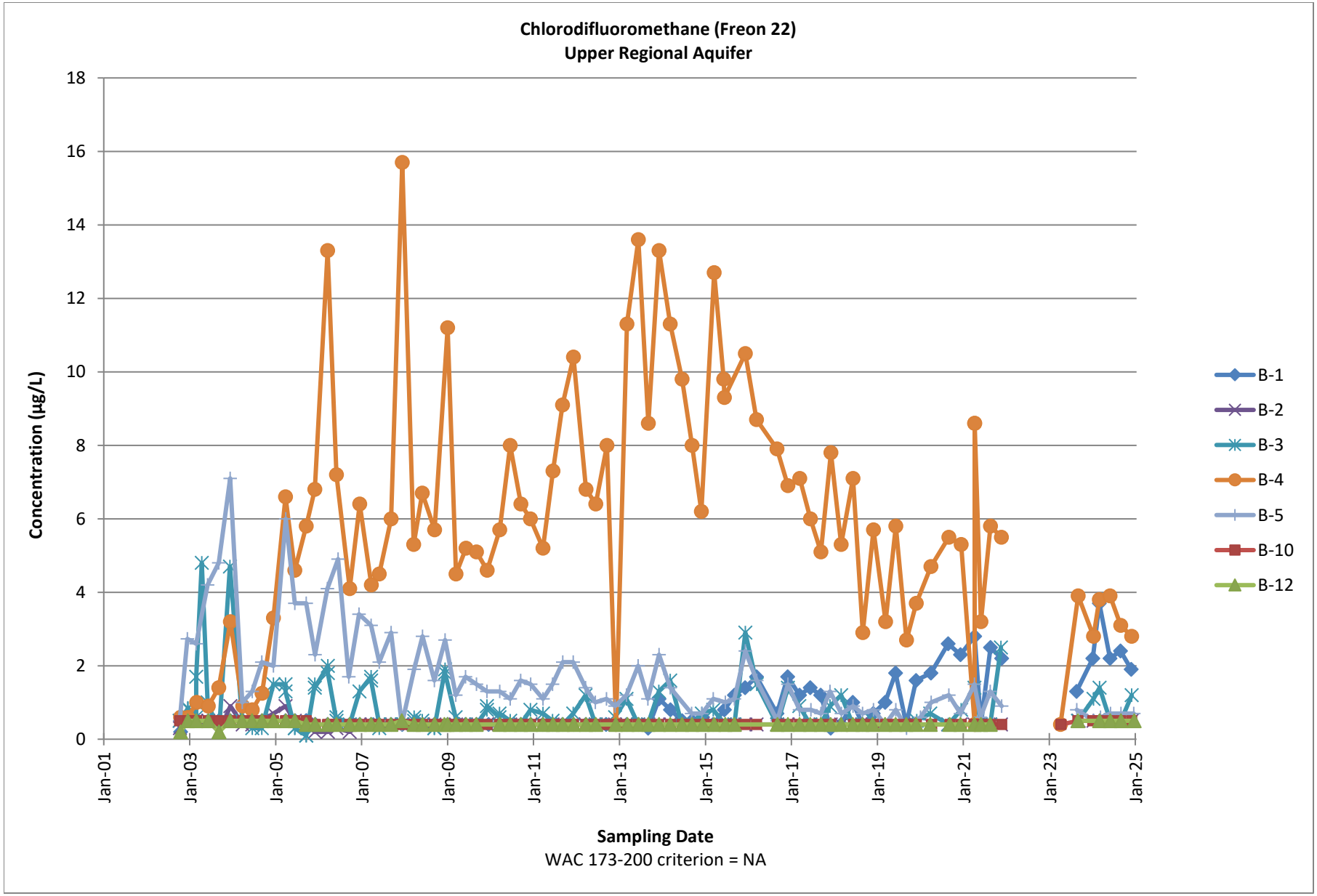

Vanadium, dissolved
Upper Regional Aquifer
0.1
0.01
0.001
0.0001
0.00001
Concentration (mg/L)
Jan-08
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12


Zinc, dissolved
Upper Regional Aquifer
10
1
0.1
0.01
0.001
0.0001
Concentration (mg/L)
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 5 mg/l


Vinyl chloride
10
1
0.1
0.01
0.001
Concentration (µg/L)
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
B-1
B-2
B-3
B-4
B-5
B-10
B-12
WAC
WAC 173-200 criterion = 0.02 µg/L


Diethyl ether
Upper Regional Aquifer
Concentration (µg/L)
10
9
8
7
6
5
4
3
2
1
0
Jan-02
Jan-03
Jan-04
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12


Dichlorodifluoromethane (CFC-12)
Upper Regional Aquifer
Concentration (µg/L)
25
20
15
10
5
0
Jan-93
Jan-94
Jan-95
Jan-96
Dec-96
Dec-97
Dec-98
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Dec-04
Dec-05
Dec-06
Dec-07
Dec-08
Dec-09
Dec-10
Dec-11
Dec-12
Dec-13
Dec-14
Dec-15
Dec-16
Dec-17
Dec-18
Dec-19
Dec-20
Dec-21
Dec-22
Dec-23
Dec-24
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12


Chlorodifluoromethane (Freon 22)
Upper Regional Aquifer
Concentration (µg/L)
18
16
14
12
10
8
6
4
2
0
Jan-01
Jan-03
Jan-05
Jan-07
Jan-09
Jan-11
Jan-13
Jan-15
Jan-17
Jan-19
Jan-21
Jan-23
Jan-25
Sampling Date
WAC 173-200 criterion = NA
B-1
B-2
B-3
B-4
B-5
B-10
B-12

APPENDIX C
Data Validation Report
Fourth Quarter 2024

INMAN LANDFILL FOURTH QUARTER 2024 DATA VALIDATION REPORT

1. INTRODUCTION

This report presents the results of data validation for laboratory reports 24-37205, 24-37801, 24-37908, 25-00289, and 25-00800 by Edge Analytical, Burlington, Washington. Sample identifications and the analyses requested are provided in the following table.

Sample Location	Skagit County Sample ID	Lab Sample ID	Lab Report	Analysis (All Samples)
B-1	3328	71618	24-37205	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn: 200.7/Filter, 200.8/Filter, 245.1/Filter
B-2	3329	73054	24-37908	
B-3	3330	73055	24-37908	Total Metals (As, Ca, Fe, K, Mg, Mn, Na): 200.7
B-3 Duplicate	3331	73056	24-37908	Inorganic Anions (NO_3, NO_2, Cl, SO_4): 300.0
B-4	3332	72867	24-37801	Nutrients (NH_3): SM 4500
B-5	3333	461	25-00289	Demand (TOC, COD): SM 5310B, SM 5220D
B-6	3334	71619	24-37205	Organics (VOCs): 8260C, 8260SIM
B-8	3335	73057	24-37908	Properties (Alkalinity, TDS, Bicarbonate): SM 2320B, SM 2540C
B-9	3336	72868	24-37801	
B-10	3337	72865	24-37801	
B-11	3338	72866	24-37801	
B-12	3339	1569	25-00800	

The samples were collected on December 16, 19, and 20, 2024, and January 6 and 9, 2025.

2. SAMPLE HANDLING AND CUSTODY REQUIREMENTS

Samples were transported off site for analysis. Custody of the samples was controlled and documented on a chain of custody form. Unique sample identification numbers were recorded on the chain of custody forms along with date, time, matrix type, preservative, analysis required for each sample, and other required information.

2.1 Dissolved Metals

Sample custody was maintained throughout collection, transport, and lab receipt.

2.2 Total Metals

Sample custody was maintained throughout collection, transport, and lab receipt.

2.3 Inorganic Anions

Sample custody was maintained throughout collection, transport, and lab receipt.

2.4 Nutrients

Sample custody was maintained throughout collection, transport, and lab receipt.

2.5 Demand

Sample custody was maintained throughout collection, transport, and lab receipt.

2.6 Organics

Sample custody was maintained throughout collection, transport, and lab receipt.

2.7 Properties

Sample custody was maintained throughout collection, transport, and lab receipt.

3. HOLDING TIME

3.1 Dissolved Metals

All analyses were performed within the recommended maximum holding time.

3.2 Total Metals

All analyses were performed within the recommended maximum holding time.

3.3 Inorganic Anions

All analyses were performed within the recommended maximum holding time.

3.4 Nutrients

All analyses were performed within the recommended maximum holding time.

3.5 Demand

All analyses were performed within the recommended maximum holding time.

3.6 Organics

All analyses were performed within the recommended maximum holding time.

3.7 Properties

All analyses were performed within the recommended maximum holding time.

4. METHOD BLANKS

The assessment of blank analysis results is to determine the existence and magnitude of contamination resulting from laboratory activities.

4.1 Dissolved Metals

Goals for blank analyses were met. Method blanks were analyzed and were target analyte free.

4.2 Total Metals

Goals for blank analyses were met. Method blanks were analyzed and were target analyte free.

4.3 Inorganic Anions

Goals for blank analyses were met. Method blanks were analyzed and were target analyte free.

4.4 Nutrients

Goals for blank analyses were met. Method blanks were analyzed and were target analyte free.

4.5 Demand

Goals for blank analyses were met. Method blanks were analyzed and were target analyte free.

4.6 Organics

METHYLENE CHLORIDE: This compound was detected in the Trip Blank, but not in the associated field sample. No further action taken.

1,2 - DIBROMOETHANE (EDB SIM), 1,2 - DIBROMOETHANE (EDB SIM): Sample received with head space.

Goals for blank analyses were met. All other method blanks were analyzed and were target analyte free.

4.7 Properties

Goals for blank analyses were met. Method blanks were analyzed and were target analyte free.

5. LABORATORY FORTIFIED BLANK

Data for laboratory control samples (LCS) were provided in order to evaluate the accuracy and performance of the analytical method. GC and GC/MS method performance on individual samples is established by means of spiking system monitoring compounds (surrogates), and internal standards which are added just prior to analyses.

5.1 Dissolved Metals

Goals for LCS recovery were met.

5.2 Total Metals

Goals for LCS recovery were met.

5.3 Inorganic Anions

Goals for LCS recovery were met.

5.4 Nutrients

Goals for LCS recovery were met.

5.5 Demand

Goals for LCS recovery were met.

5.6 Organics

2,2 – DICHLOROPROPANE, CARBON TETRACHLORIDE, HEXACHLOROETHANE, PENTACHLOROETHANE: High QCS recovery due to increased detector response No sample detections, therefore, no further action taken for this analysis set.

1,1,2 – TRICHLOROTRIFLUOROETHANE, METHYL METHACRYLATE: Low recovery cannot be accounted for. However, there is adequate sensitivity to detect the compound at the MRL. No sample detections so no further action for this analysis batch.

1,1,1 – TRICHLOROETHANE, 1,2 – DICHLOROETHANE, METHYL TERT-BUTYL ETHER, TRICHLOROFLUOROMETHANE: Result was high for this analyte in the end standard, indicating an increase in detector response. No detection of this analyte was found in samples, therefore no further action taken.

ACETONE, ACROLEIN, CARBON DISULFIDE, METHYL IODIDE, 2-NITROPROPANE: The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.

Goals for all other LCS recovery were met.

5.7 Properties

Goals for LCS recovery were met.

6. LABORATORY DUPLICATE PRECISION

6.1 Dissolved Metals

The RPD values for all duplicate analyses performed on dissolved metal samples were within acceptable limits.

6.2 Total Metals

Iron and manganese were flagged twice: The sample was non-homogenous.

Arsenic: Matrix induced bias assumed

The RPD values for all duplicate analyses performed on total metal samples were within acceptable limits.

6.3 Inorganic Anions

The RPD values for all duplicate analyses performed on inorganic anion samples were within acceptable limits.

6.4 Nutrients

Ammonia-N: The sample was non-homogenous.

The RPD values for all other duplicate analyses performed on nutrient samples were within acceptable limits.

6.5 Demand

The RPD values for all duplicate analyses performed on demand samples were within acceptable limits.

6.6 Organics

The RPD values for all duplicate analyses performed on organic samples were within acceptable limits.

6.7 Properties

Total dissolved solids: The sample was non-homogenous.

The RPD values for all other duplicate analyses performed on organic samples were within acceptable limits.

7. MATRIX SPIKE AND MATRIX SPIKE DUPLICATE ANALYSIS

7.1 Dissolved Metals

Dissolved manganese, iron: Matrix induced bias assumed

The matrix spike and matrix spike duplicate (MS/MSD) analyses were in control for all other recoveries.

7.2 Total Metals

Sodium, calcium, iron, potassium: Matrix induced bias assumed

The matrix spike and matrix spike duplicate (MS/MSD) analyses were in control for all other recoveries.

7.3 Inorganic Anions

Sulfate: The ratio of the spike concentration to sample background was too low to meet performance criteria.

Chloride: A matrix induced bias was assumed.

The matrix spike and matrix spike duplicate (MS/MSD) analyses were in control for all other recoveries.

7.4 Nutrients

Ammonia-N: The ratio of the spike concentration to sample background was too low to meet performance criteria.

The MS/MSD analyses performed on the nutrient samples were in control for all recoveries and RPDs.

7.5 Demand

The MS/MSD analyses performed on the demand samples were in control for all recoveries and RPDs.

7.6 Organics

The MS/MSD analyses performed on the organic samples were in control for all recoveries and RPDs.

7.7 Properties

The MS/MSD analyses performed on property samples were in control for all recoveries and RPDs.

8. FIELD DUPLICATE

Analyte	Field Duplicate		
	B-3 (3330)	(3331)	RPD (%)
Dissolved Metals (mg/L)			
Arsenic	0.0035	0.0034	2.90
Barium	0.152	0.154	1.31
Chromium	**0.0004**	**0.0005**	**22.22**
Cobalt	**0.0004**	**0.0005**	**22.22**
Copper	**0.00016**	**0.0002**	**22.22**
Iron	9	8.91	1.01
Manganese	0.986	0.982	0.41
Nickel	0.002	0.002	0.00
Selenium	0.0007	0.0007	0.00
Vanadium	0.0006	0.0007	15.38
Zinc	0.0025	0.0025	0.00
Total Metals (mg/L)			
Calcium	39.5	39.4	0.25
Magnesium	26.2	26.3	0.38
Potassium	6	6.1	1.65
Sodium	14.8	14.9	0.67
Inorganic Anions (mg/L)			
Chloride	**29.7**	**12.8**	**79.53**
Sulfate	**0.2**	**16.8**	**195.29**
Nutrients (mg/L)			
Ammonia	1.61	1.59	1.25
Demand (mg/L)			
Total organic carbon	293	289	1.37
Properties (mg/L)			
Alkalinity	207	200	3.44
Bicarbonate	212	204	3.85
Total dissolved solids	293	289	1.37

Bold = Relative Percent Difference (RPD) exceeds 20% acceptance criteria
Non-detects are not shown.

8.1 Dissolved Metals

The RPD for dissolved chromium, cobalt and copper exceeded the acceptance criteria of 20%. These metals were estimated at levels below the PQL. No further action was taken with this data set.

All other RPDs between the duplicate samples were within ≤ 20%.

8.2 Total Metals

All RPDs between the duplicate samples were within ≤ 20%.

8.3 Inorganic Anions

The RPD for sulfate and chloride exceeded the acceptance criteria of 20%. However, the analyte did not exceed state groundwater standards, so no further action was taken with this data set.

All other RPDs between the duplicate samples were within ≤ 20%.

8.4 Nutrients

All RPDs between the duplicate samples were within ≤ 20%.

8.5 Demand

All RPDs between the duplicate samples were within ≤ 20%.

8.6 Organics

All RPDs between the duplicate samples were within ≤ 20%.

8.7 Properties

All RPDs between the duplicate samples were within ≤ 20%.

9. DETECTION LIMITS

If detection limit goals are met, then the analytic method is considered to have provided detection limits low enough to allow site data to be compared to the applicable groundwater criteria.

9.1 Dissolved Metals – 200.8/Filter, 245.1/Filter

Detection limit goals were met for all results.

9.2 Total Metals – 200.7

Detection limit goals were met for all results.

9.3 Inorganic Anions – 300.0

Detection limit goals were met for all results.

9.4 Nutrients – SM 4500

Detection limit goals were met for all results.

9.5 Demand – SM 5310B, SM 5220D

Detection limit goals were met for all results.

9.6 Organics – 8260B, 8260SIM

Detection limit goals were met for all results.

9.7 Properties – SM2320 B, SM2540 C

Detection limit goals were met for all results.

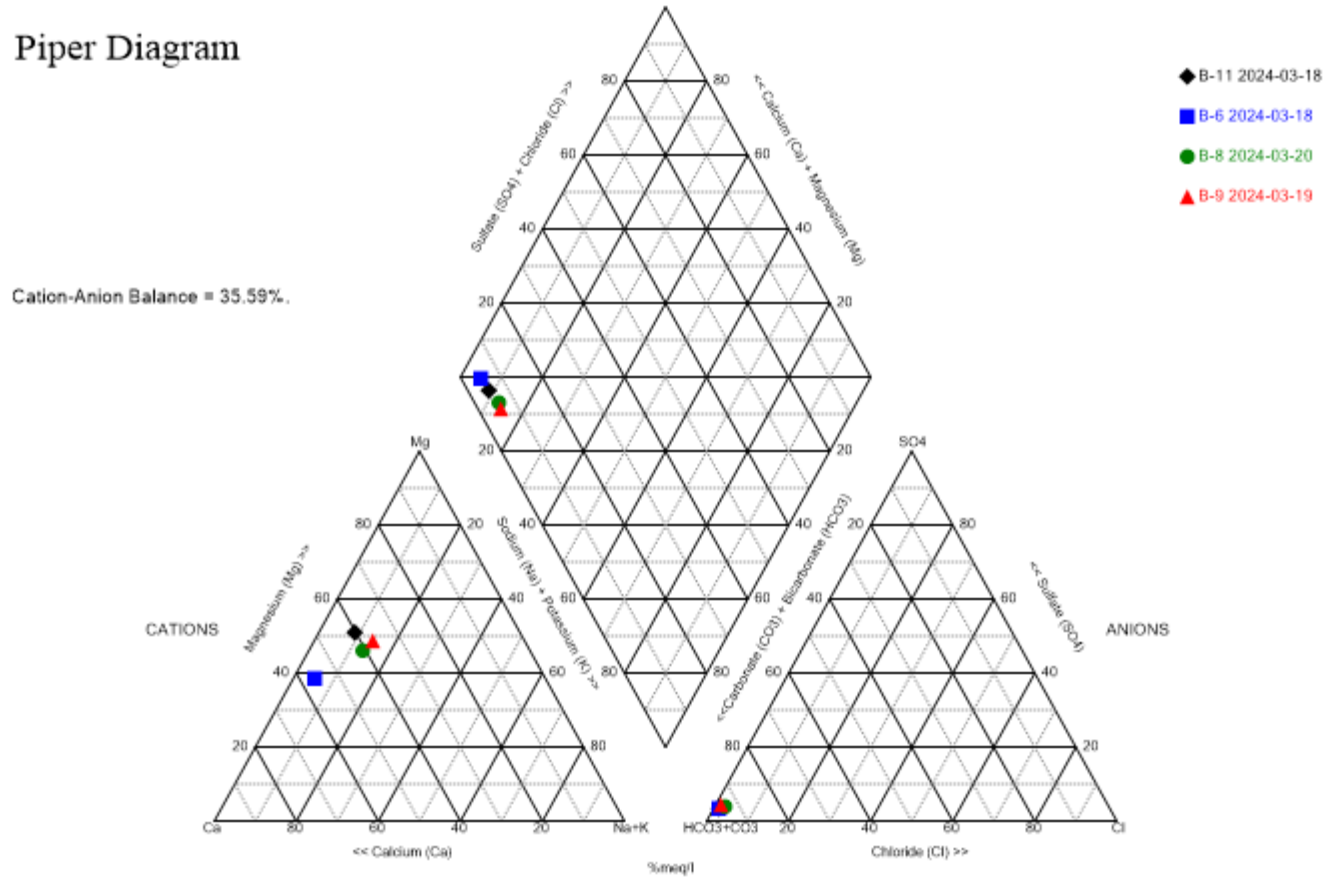
10. DATA VALIDATION AND USABILITY

With the exception of the above noted anomalies, standard analytical protocols were followed in the analysis of the samples and all laboratory quality control samples analyzed in conjunction with the samples in this project were within established control limits. Limitations were stated and clearly identified where applicable. As a result of this review, the data are found to be acceptable as reported by the laboratory for the intended use in this project.

APPENDIX D-1
Piper Diagrams 2024 – Perched Aquifer

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Piper Diagram

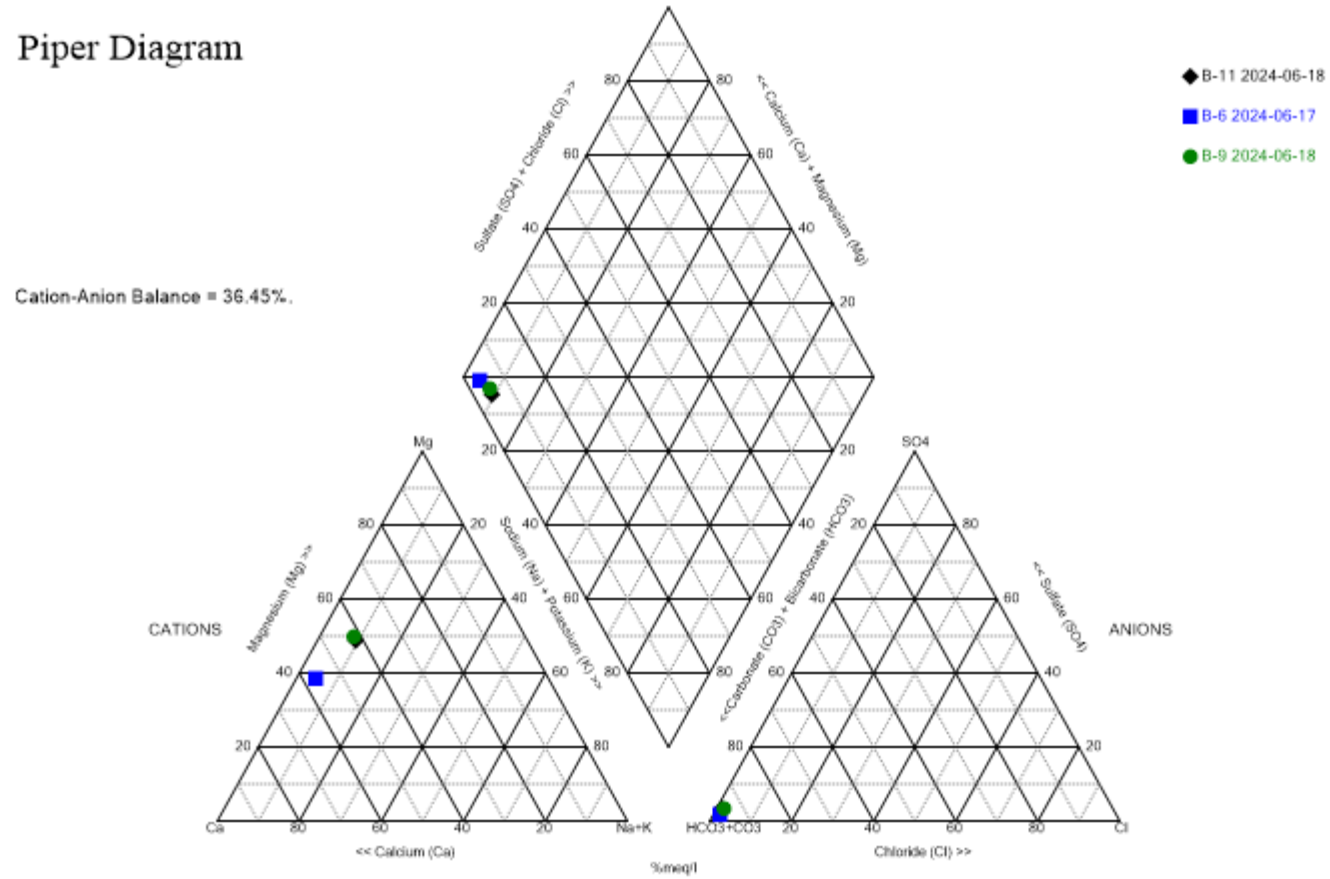


Analysis Run 3/21/2025 11:32 AM

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Piper Diagram

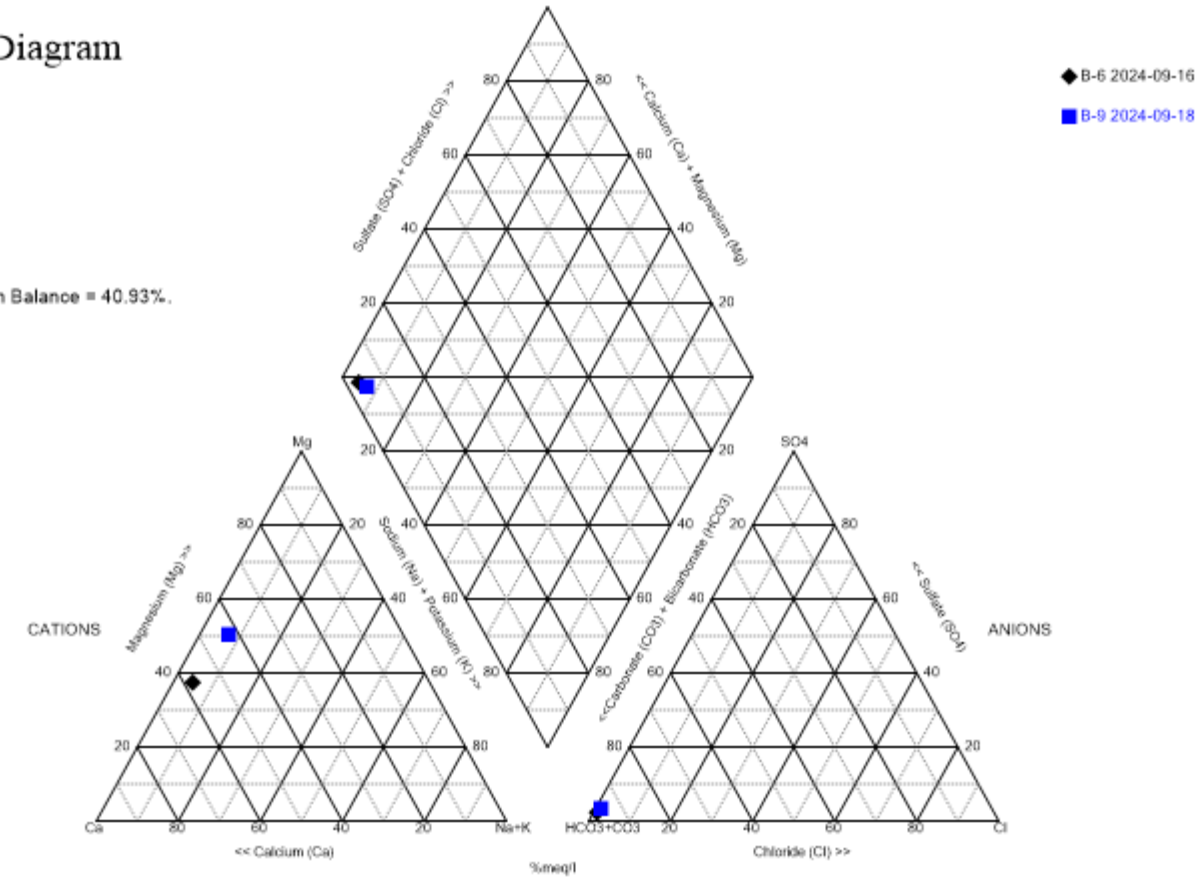


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Piper Diagram

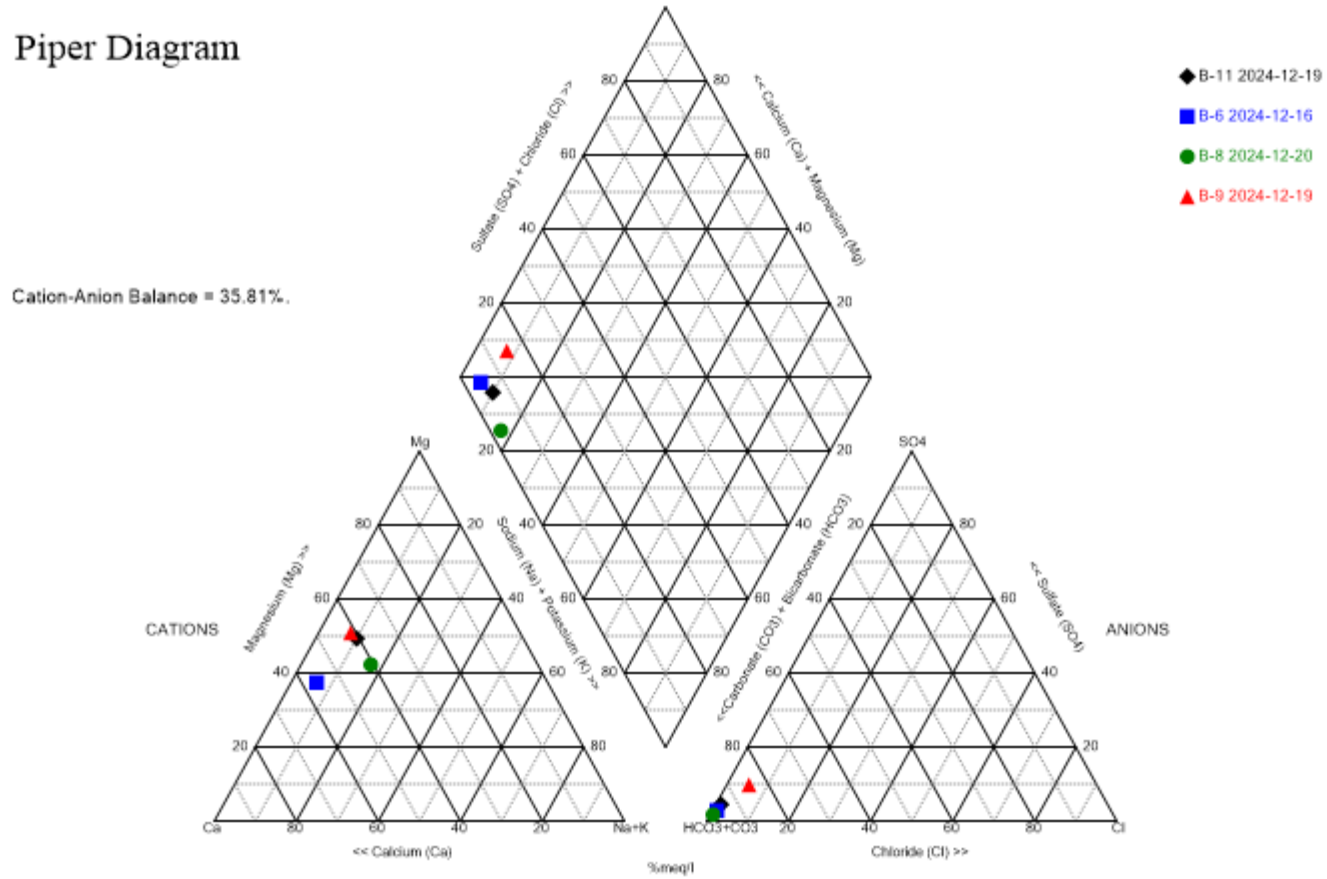


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Piper Diagram

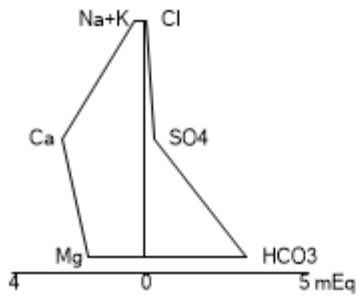


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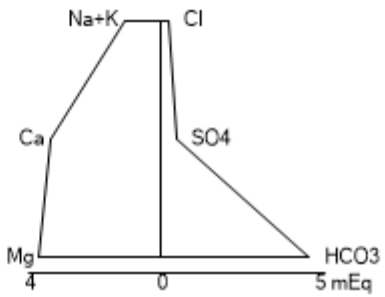
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APPENDIX D-2
Stiff Diagrams 2024 – Perched Aquifer

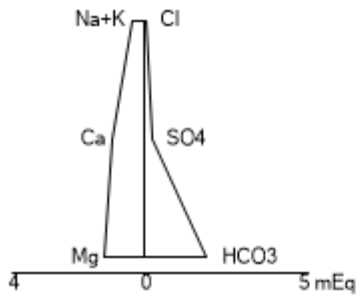
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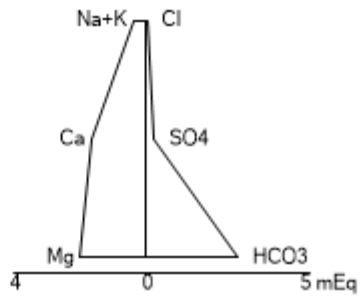
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B-8 2024-03-20



B-9 2024-03-19

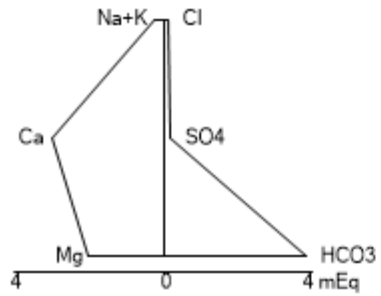


B-11 2024-03-18

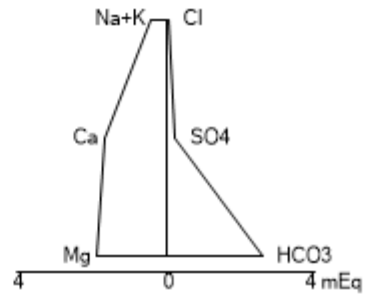
Stiff Diagram Analysis Run 3/21/2025 12:04 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

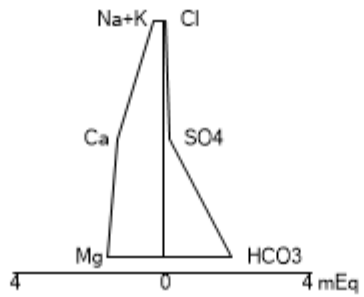
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B-6 2024-06-17



B-11 2024-06-18

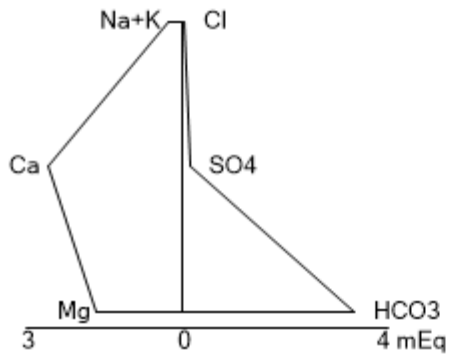


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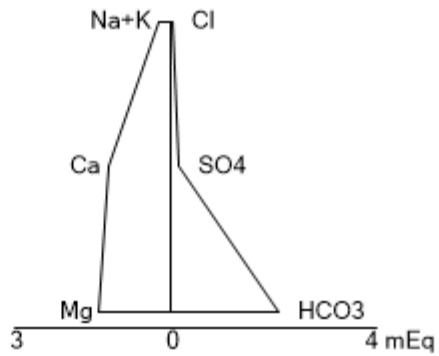
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Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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B-6 2024-09-16

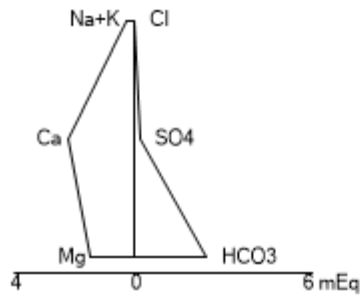


B-9 2024-09-18

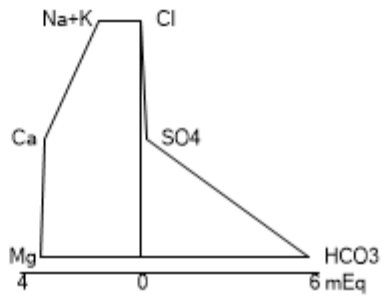
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Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

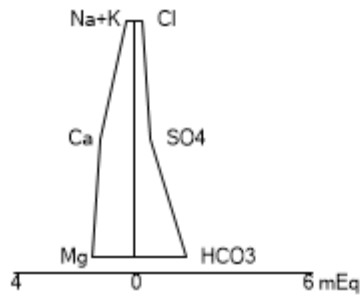
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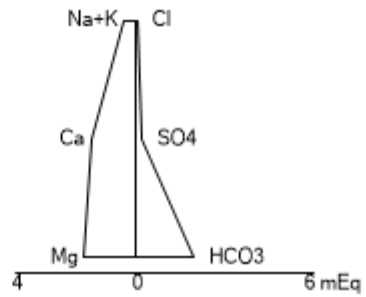
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B-8 2024-12-20



B-9 2024-12-19



B-11 2024-12-19

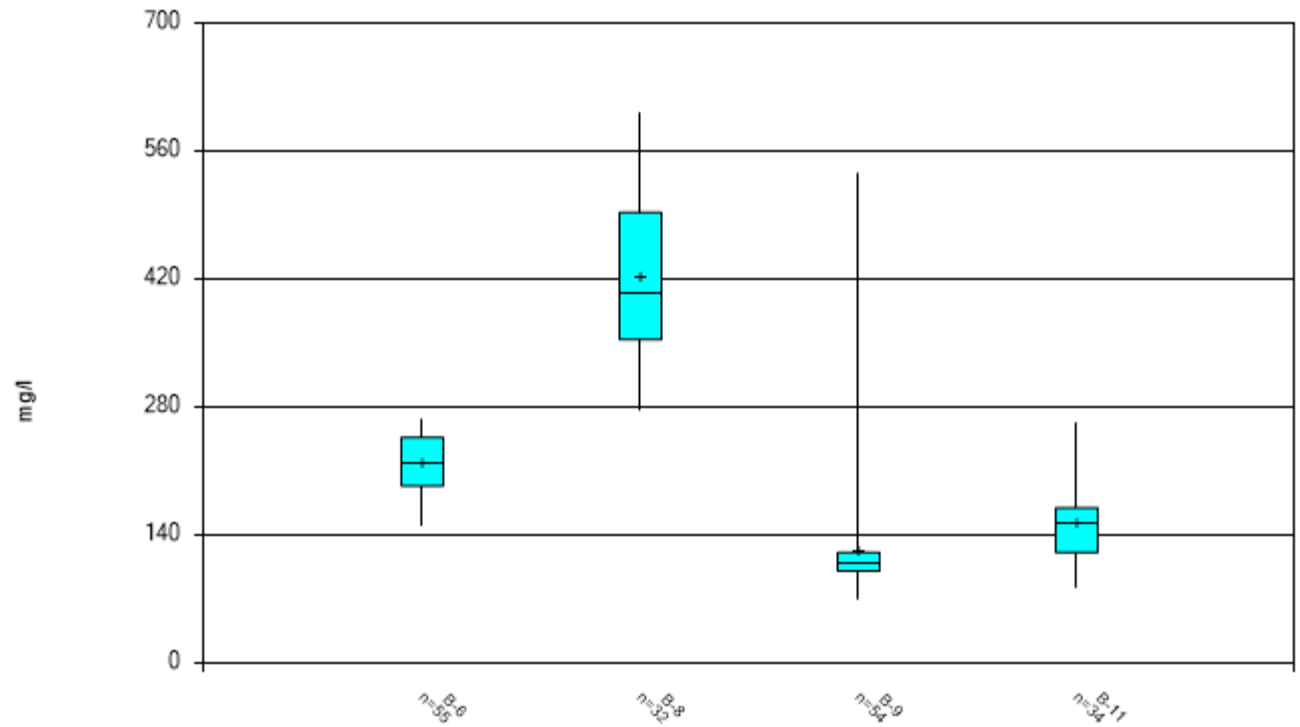
Stiff Diagram Analysis Run 3/21/2025 12:06 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

APPENDIX D-3
Box Plots 1994-2024 – Perched Aquifer

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Box & Whiskers Plot

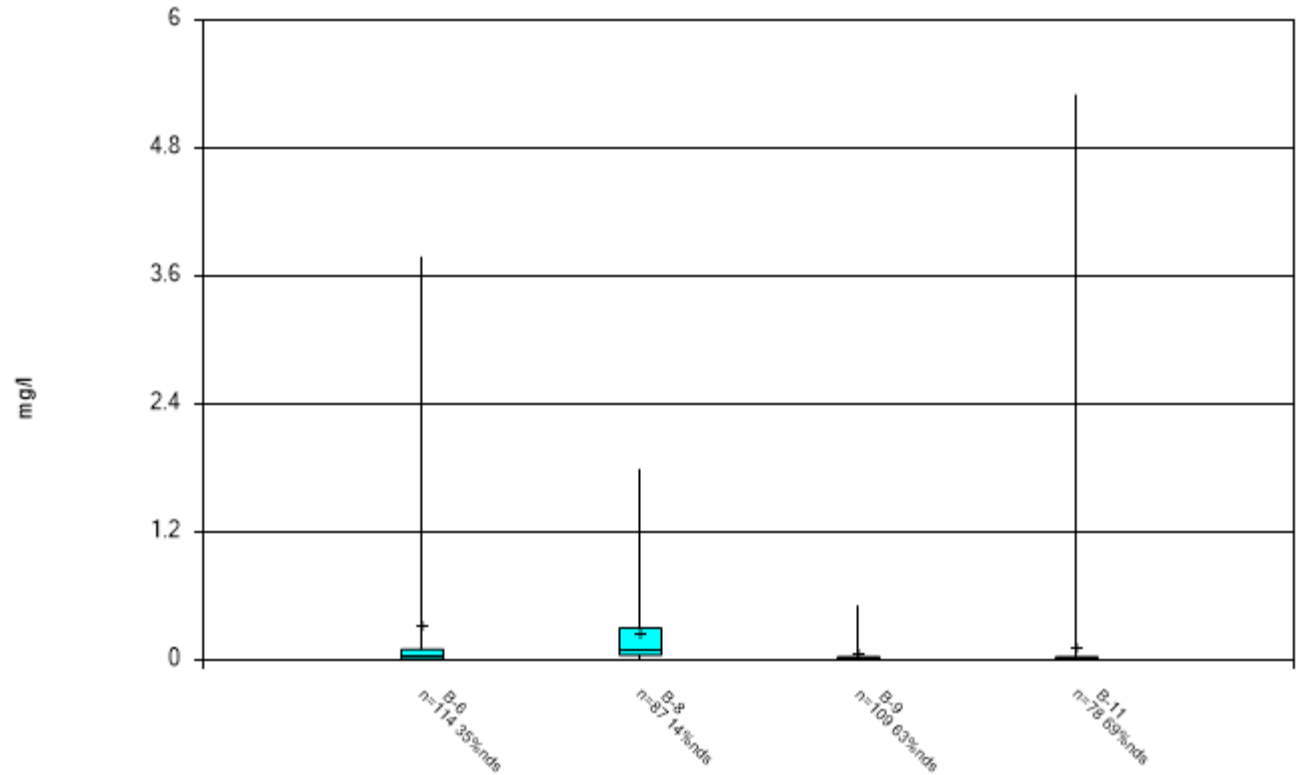


Constituent: Alkalinity Analysis Run 3/21/2025 1:09 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

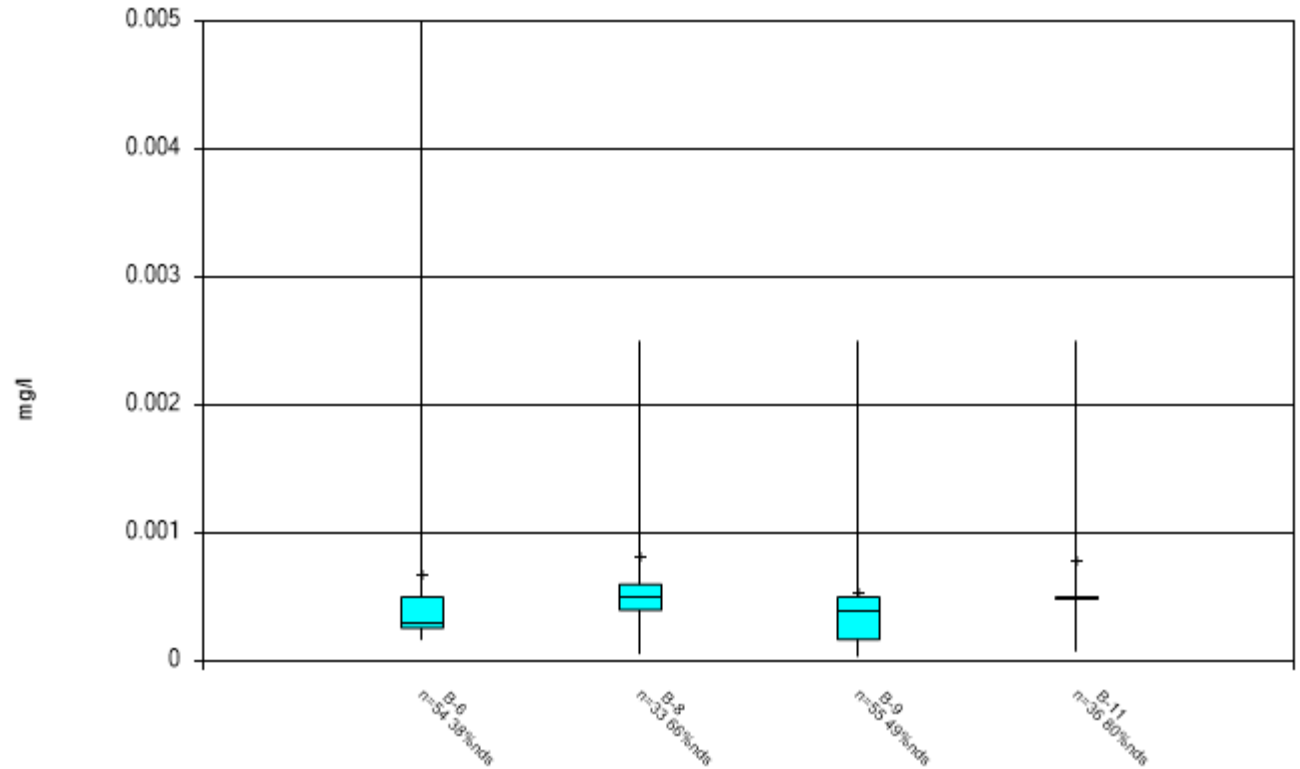


Constituent: Ammonia as nitrogen Analysis Run 3/21/2025 1:09 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

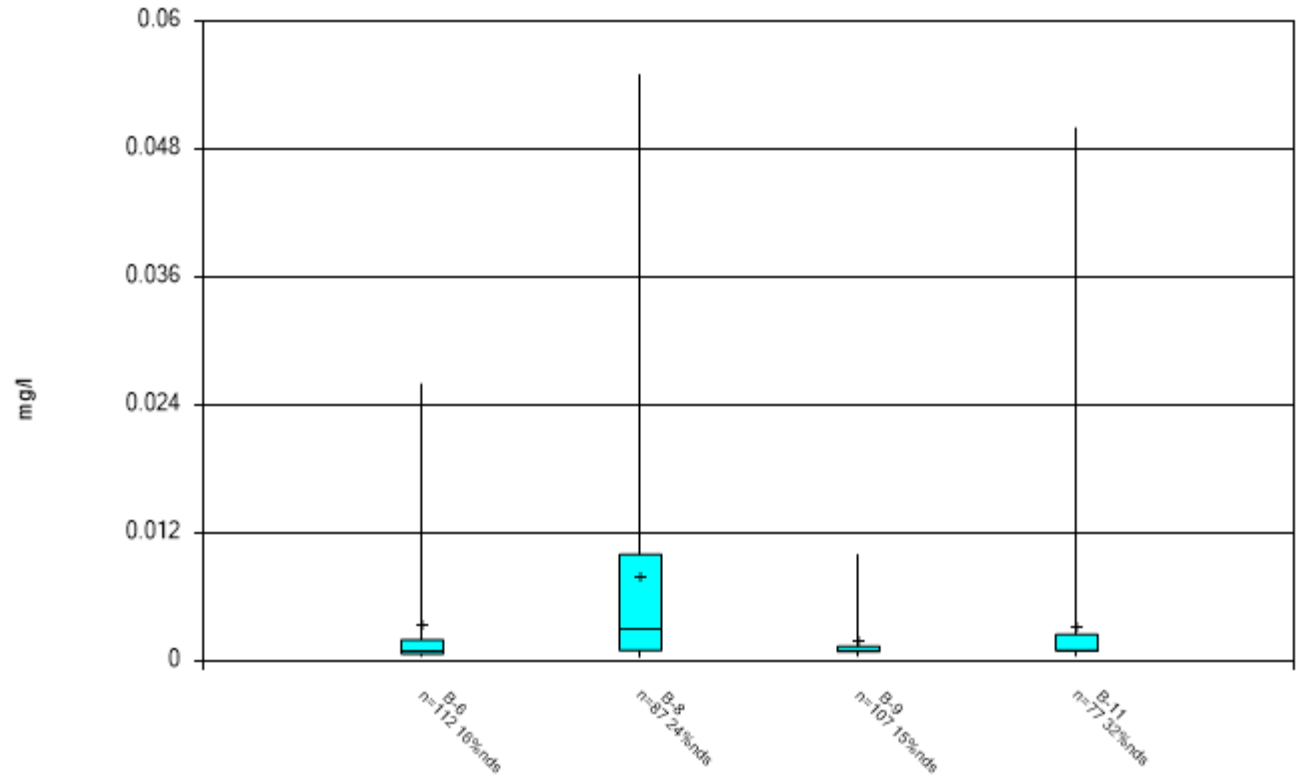


Constituent: ANTIMONY Analysis Run 3/21/2025 1:10 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

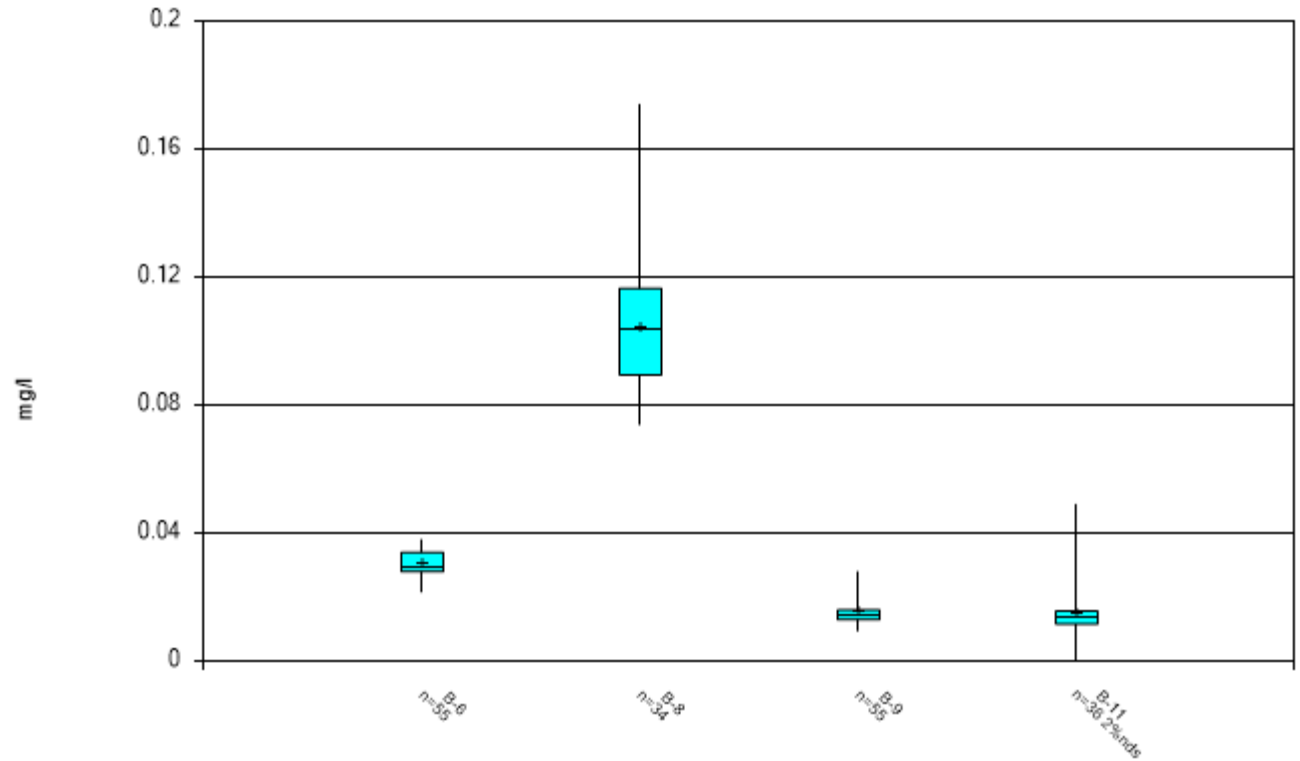


Constituent: Arsenic Analysis Run 3/21/2025 1:10 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

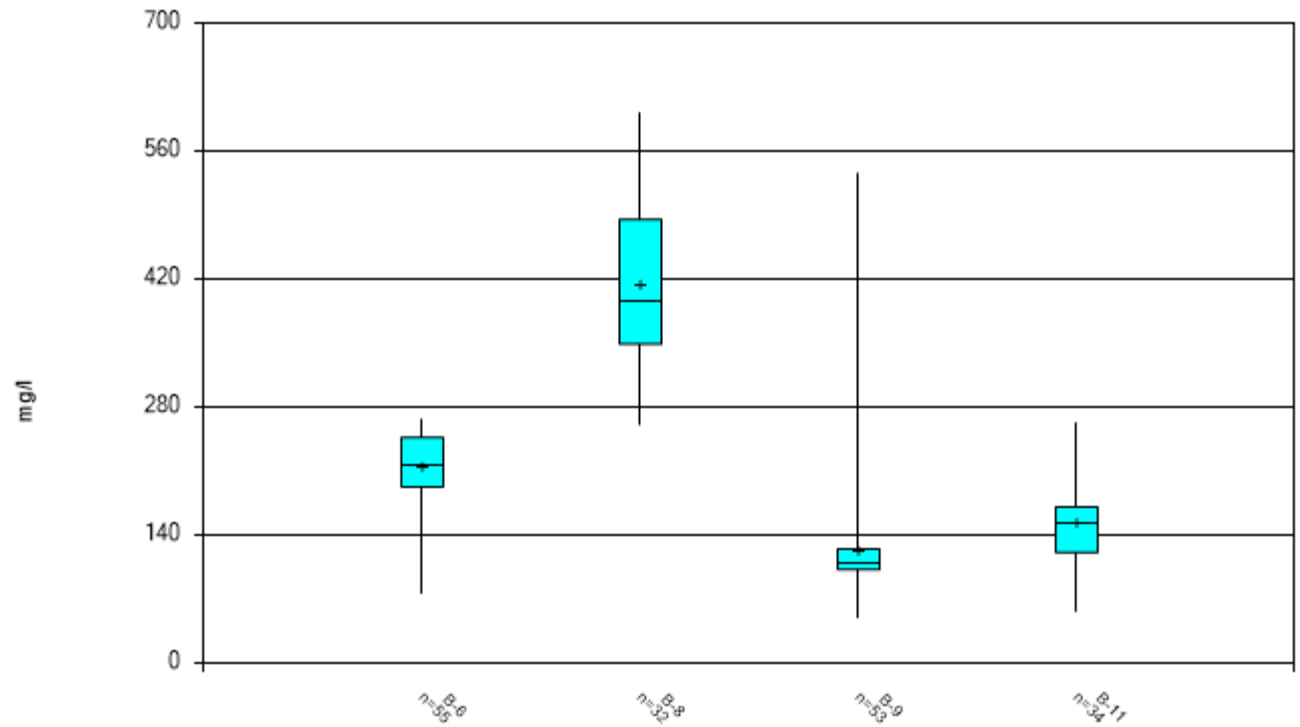


Constituent: BARIUM Analysis Run 3/21/2025 1:10 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

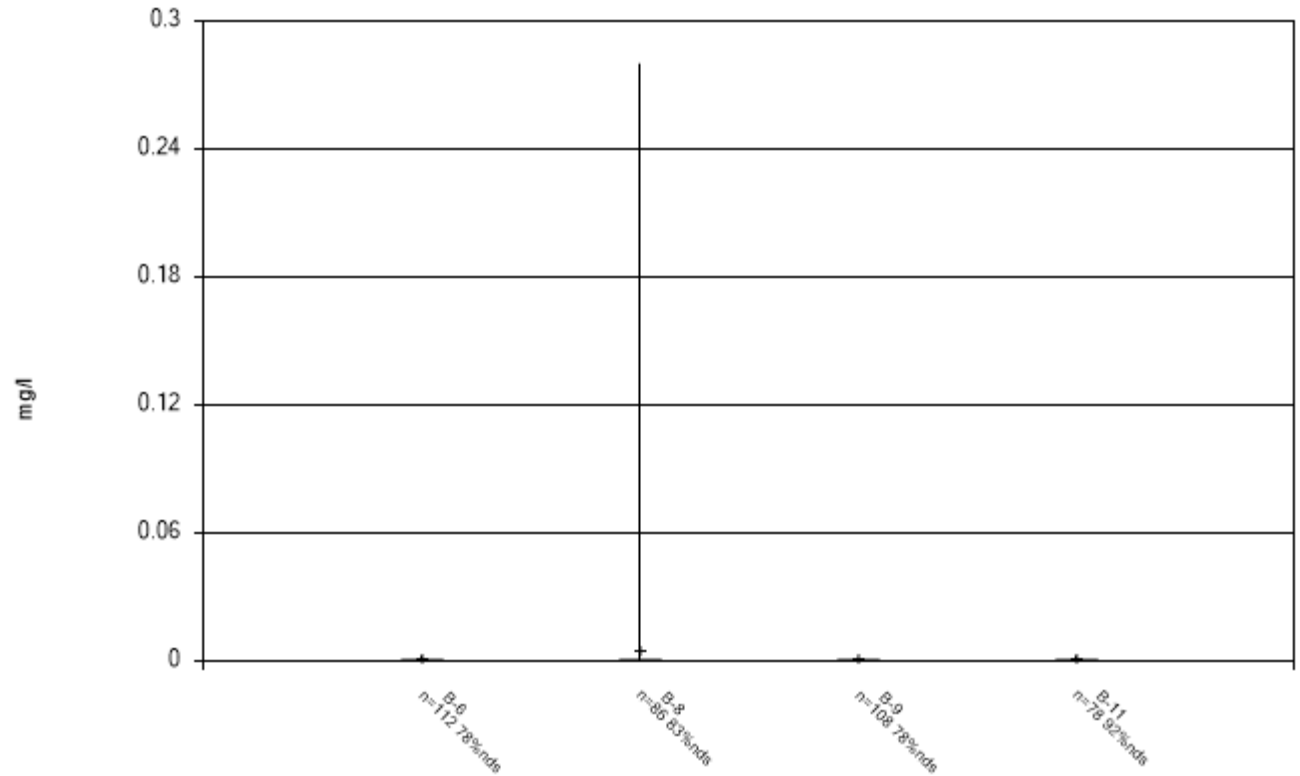


Constituent: Bicarbonate Analysis Run 3/21/2025 1:11 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

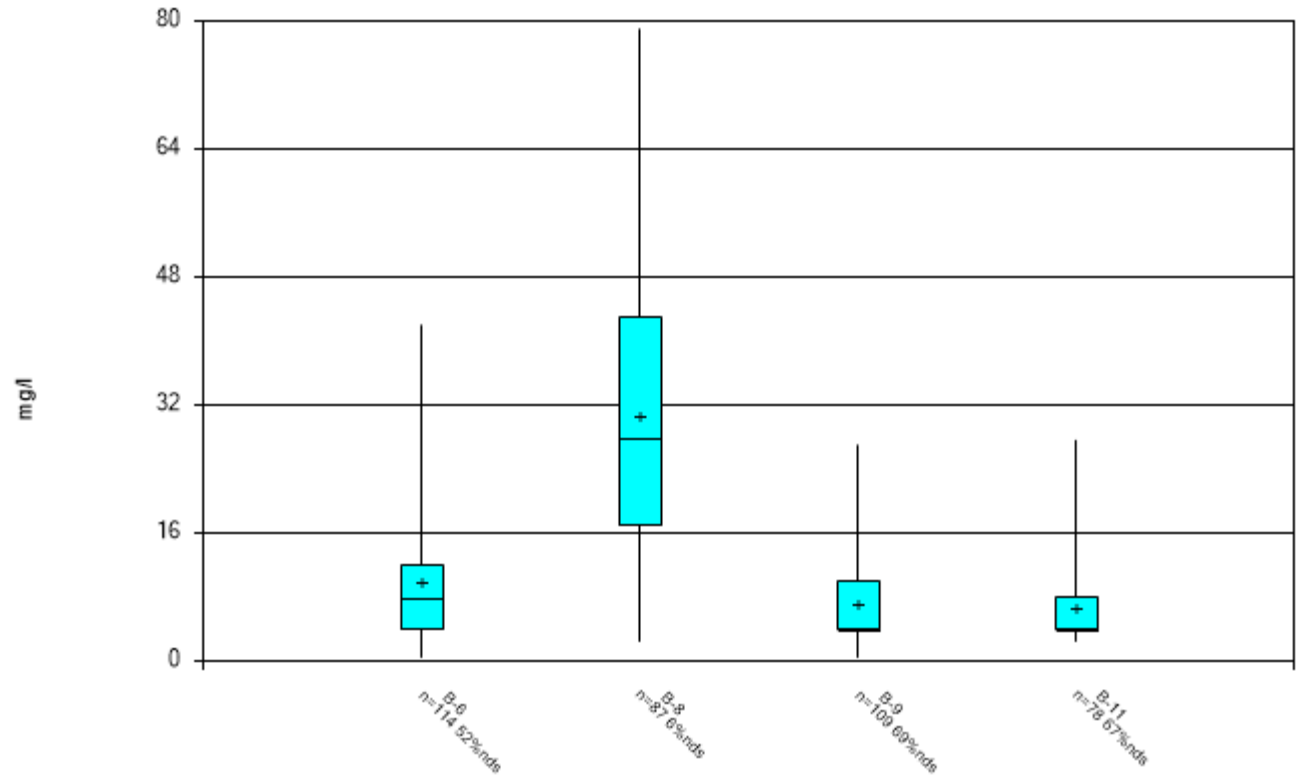


Constituent: Cadmium Analysis Run 3/21/2025 1:11 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

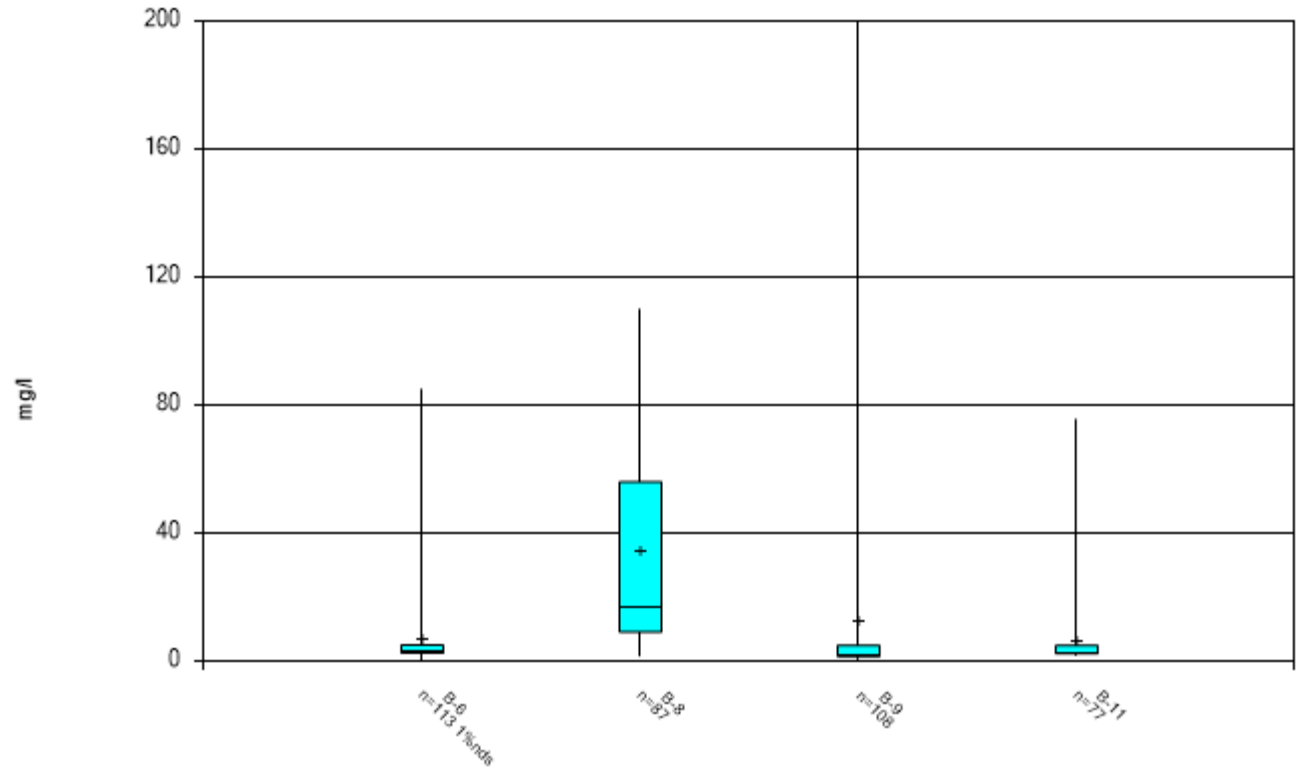


Constituent: Chemical Oxygen Demand Analysis Run 3/21/2025 1:11 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

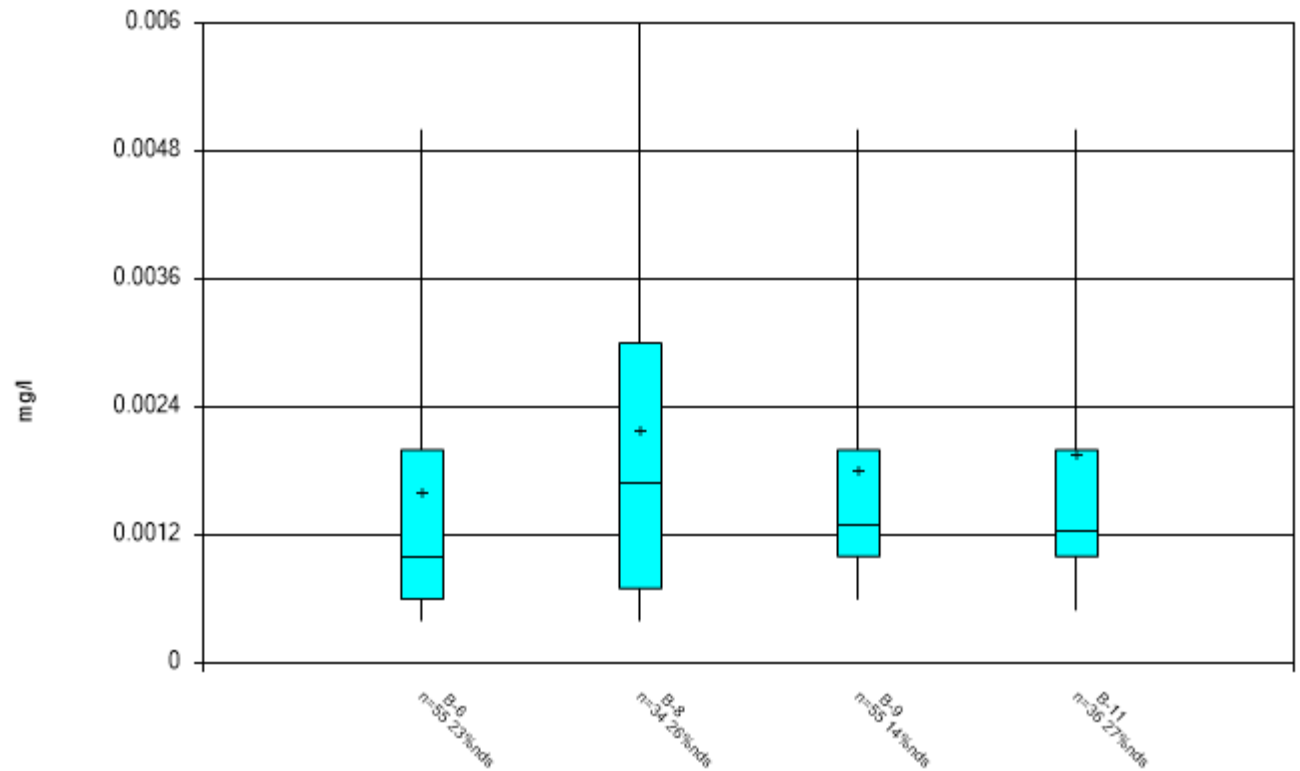


Constituent: Chloride Analysis Run 3/21/2025 1:12 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

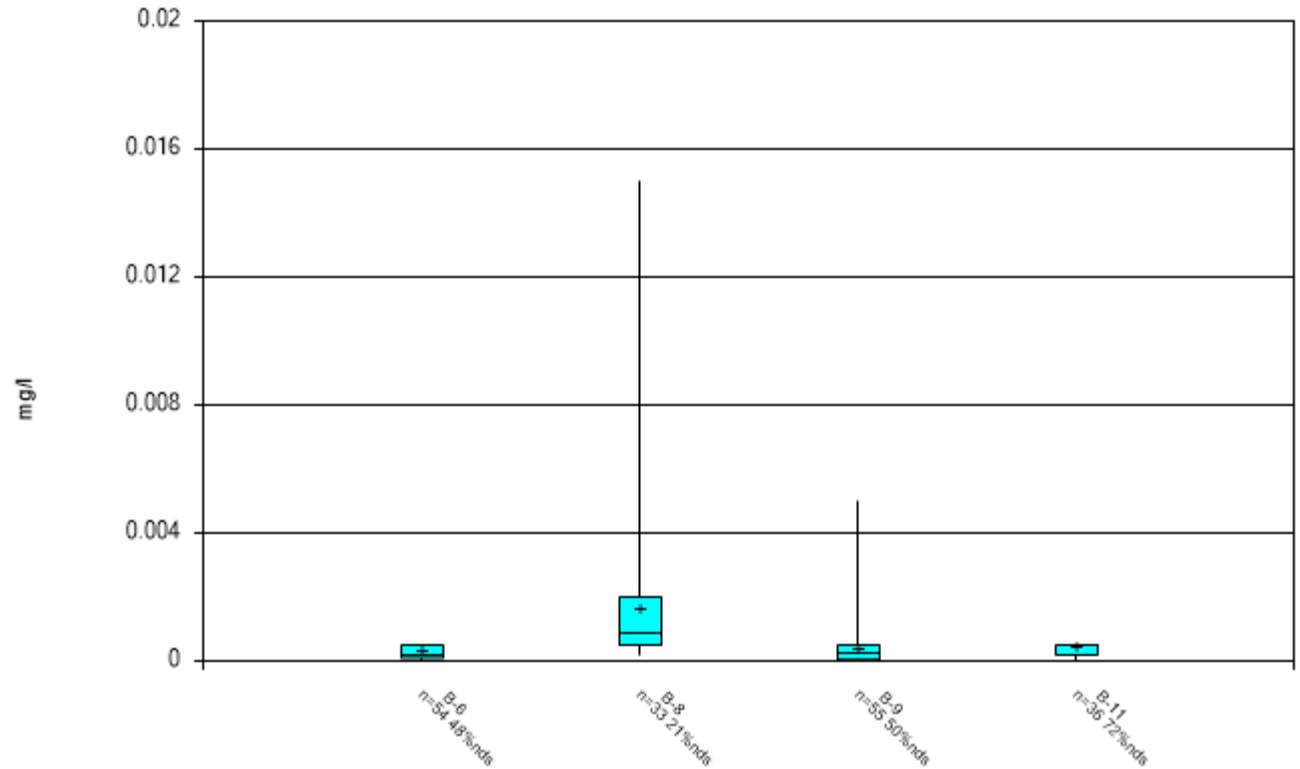


Constituent: Chromium Analysis Run 3/21/2025 1:13 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

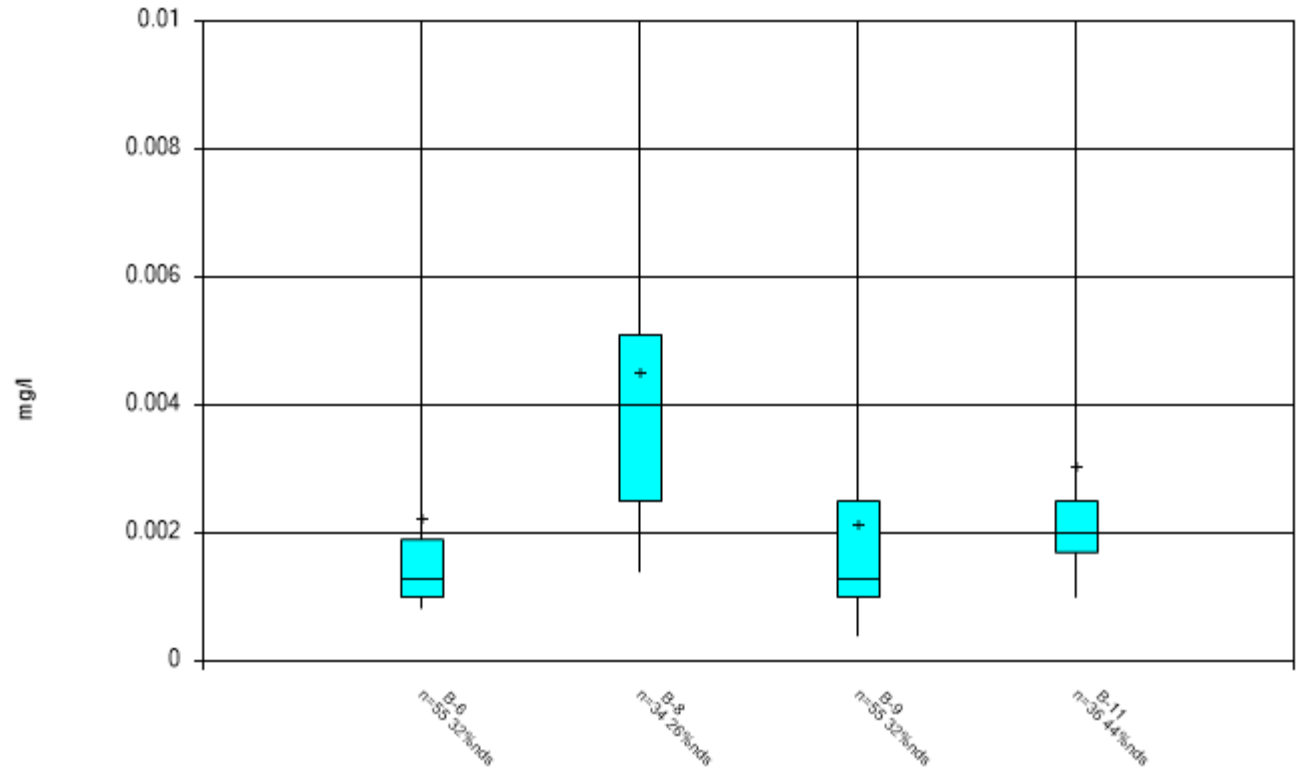


Constituent: COBALT Analysis Run 3/21/2025 1:13 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

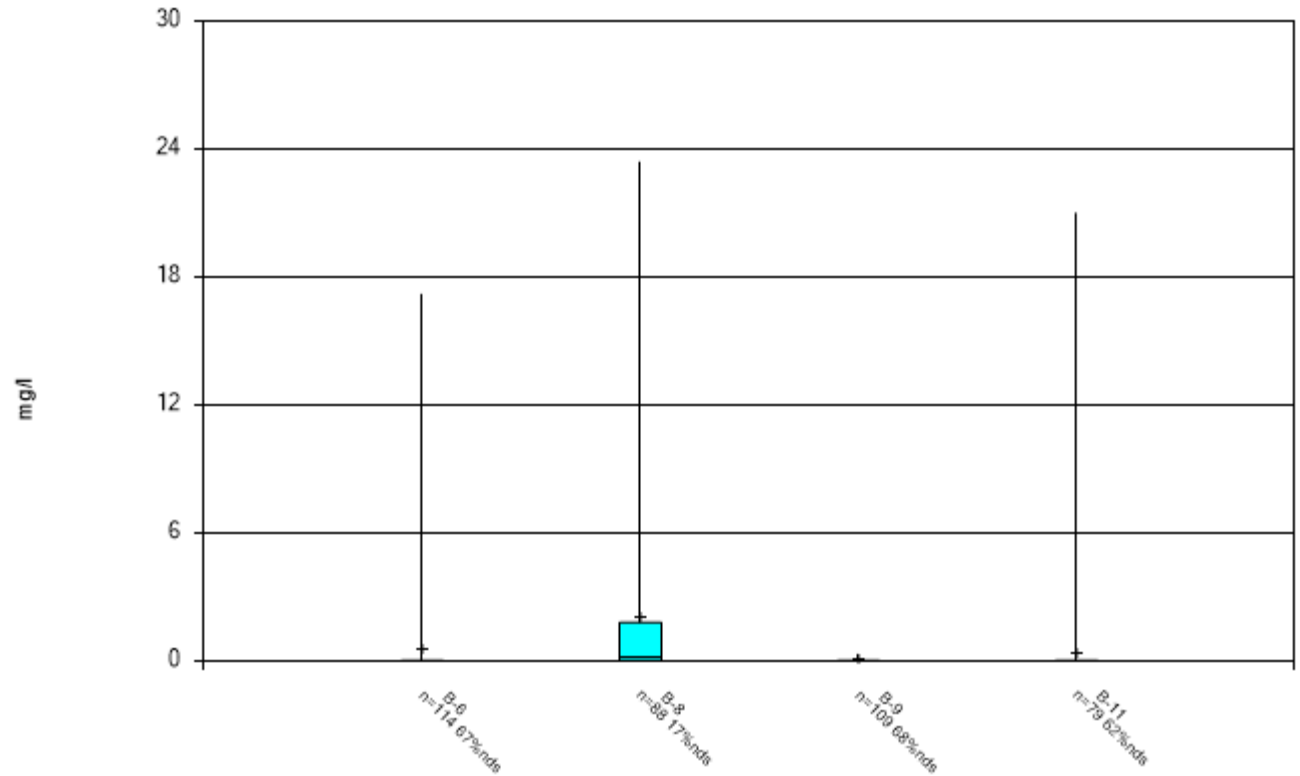


Constituent: Copper Analysis Run 3/21/2025 1:13 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

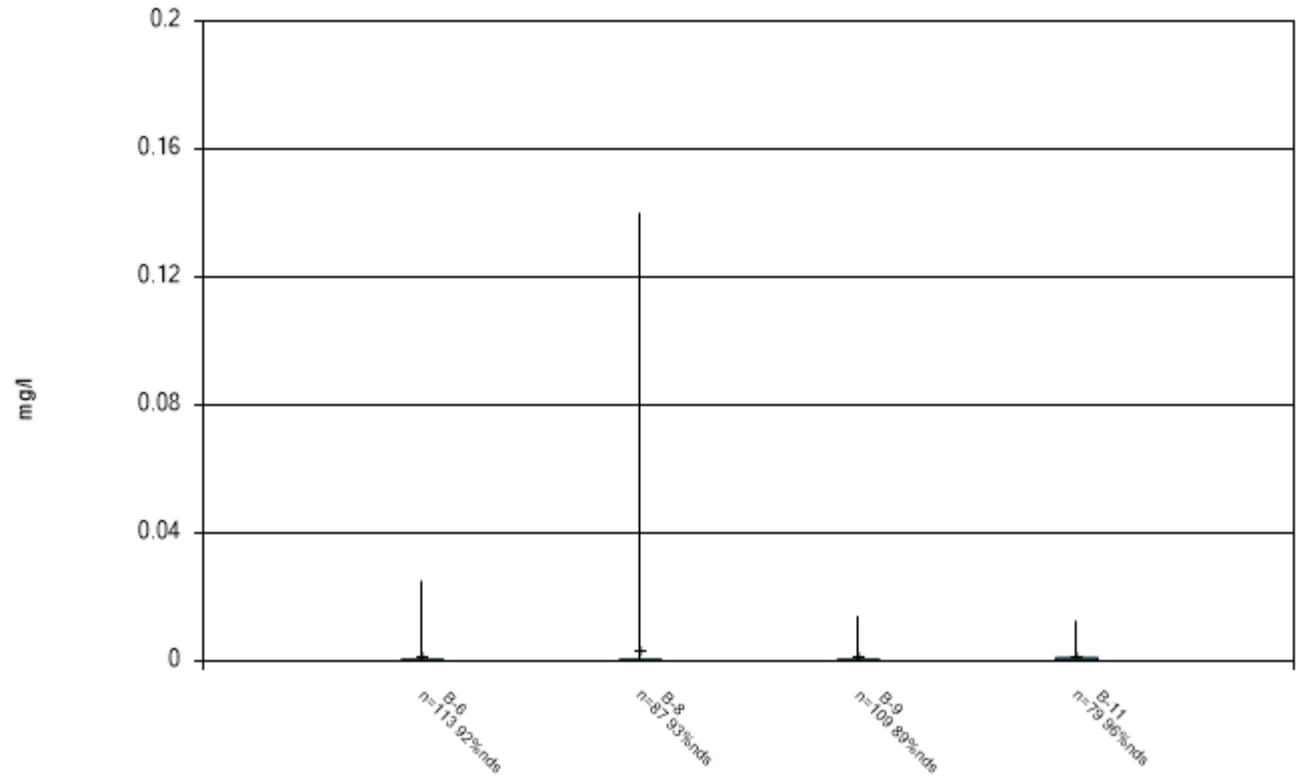


Constituent: Iron Analysis Run 3/21/2025 1:14 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

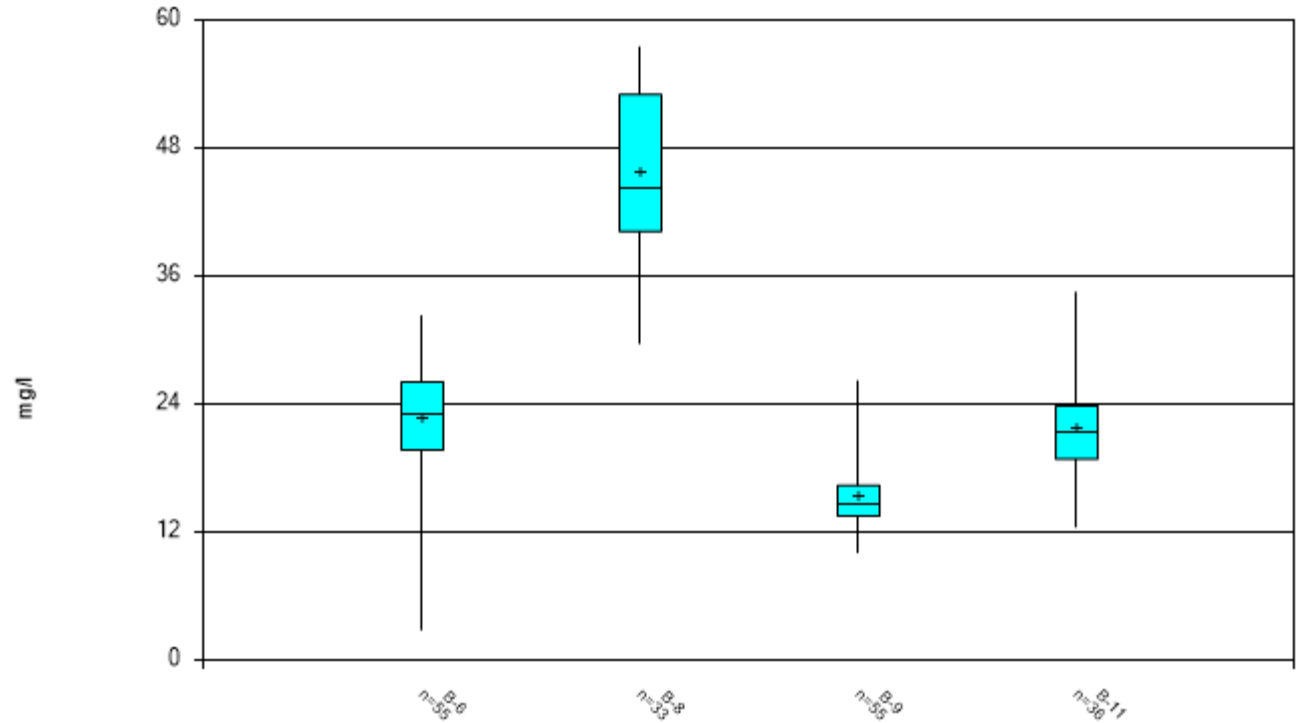


Constituent: Lead Analysis Run 3/21/2025 1:14 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

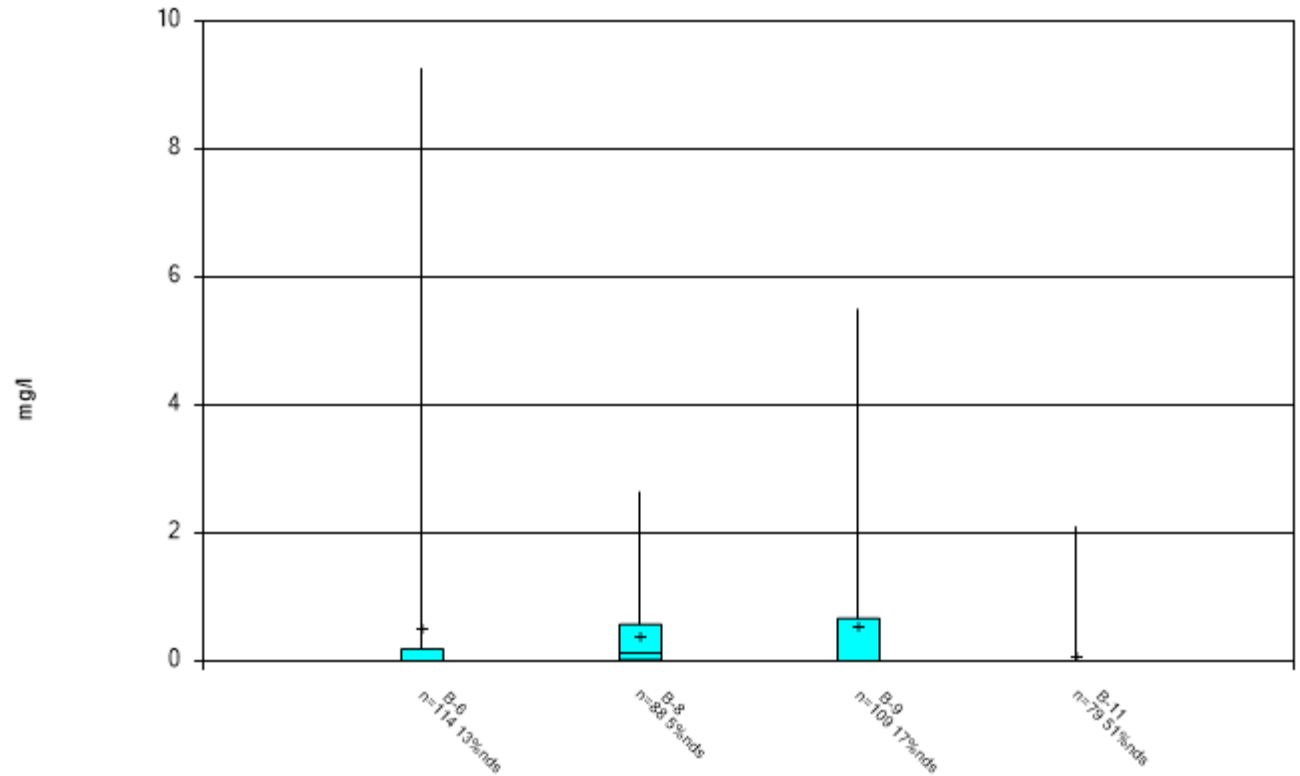


Constituent: MAGNESIUM Analysis Run 3/21/2025 1:14 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

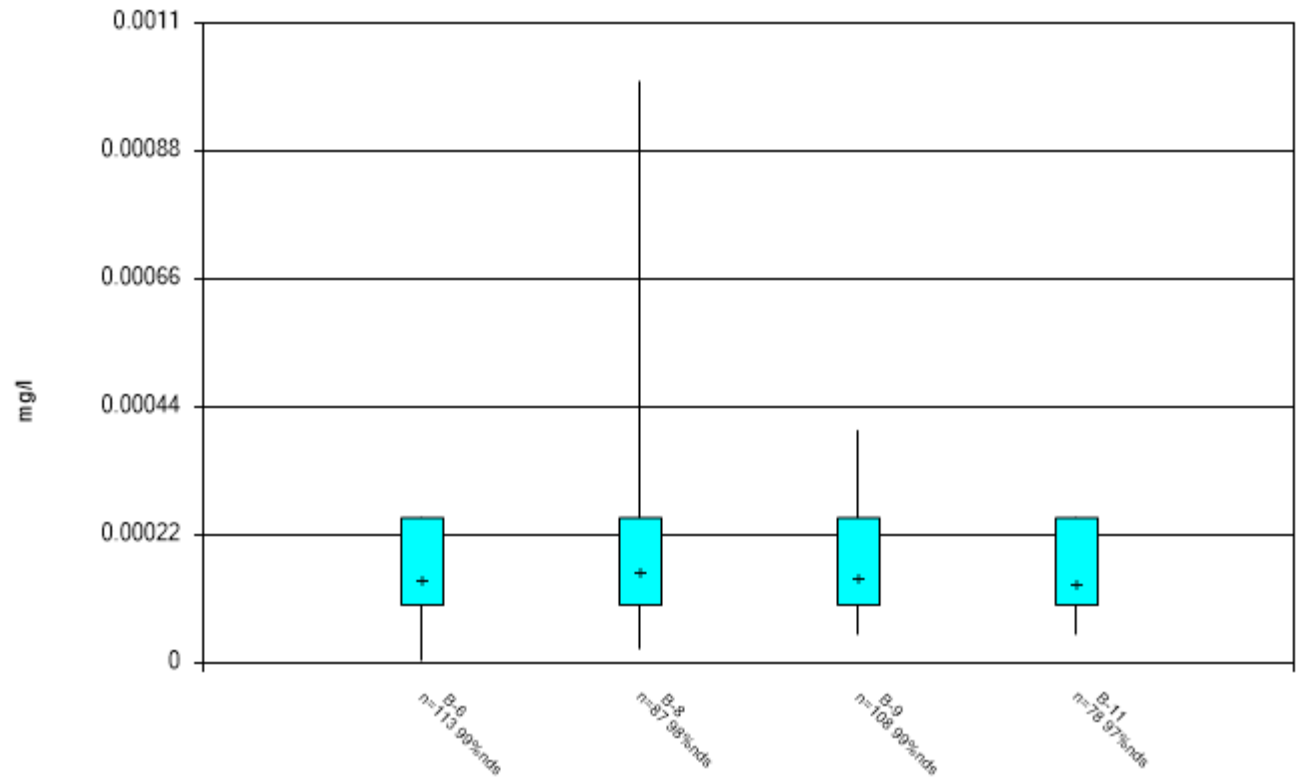


Constituent: Manganese Analysis Run 3/21/2025 1:15 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

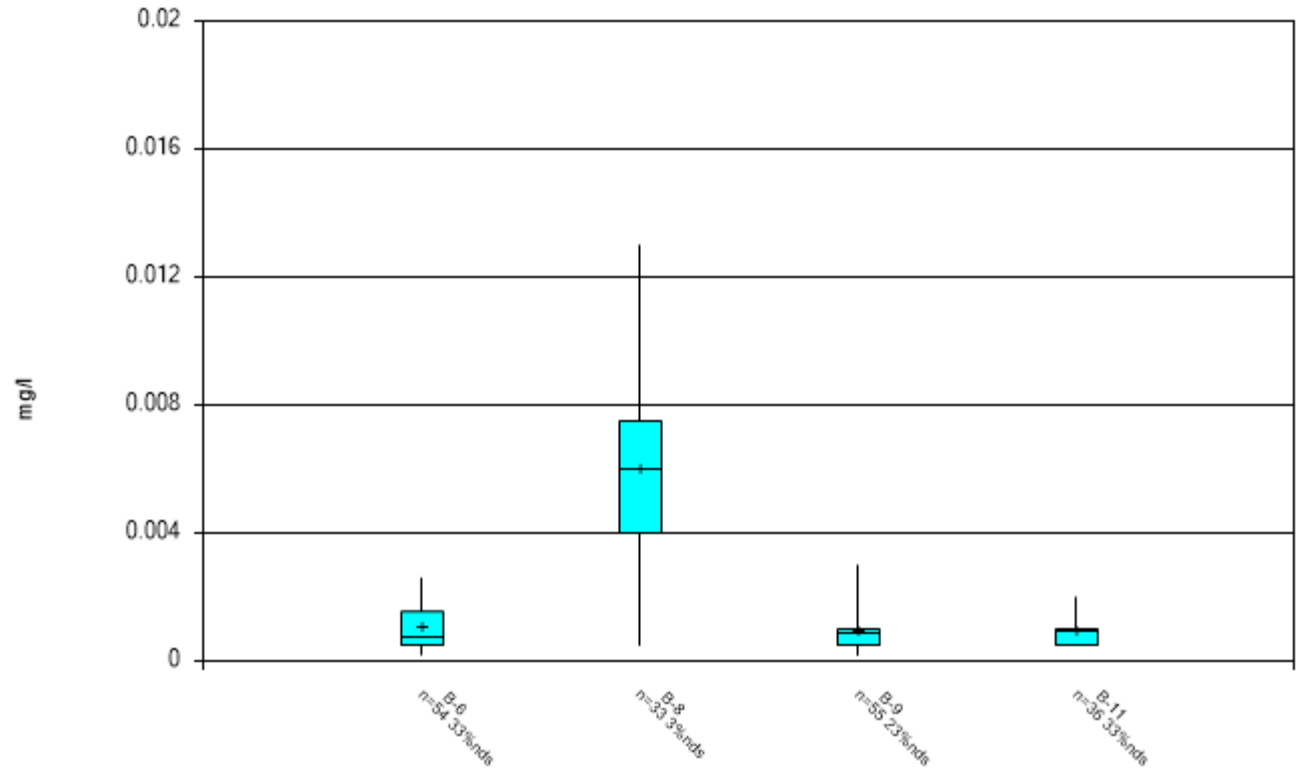


Constituent: Mercury Analysis Run 3/21/2025 1:15 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

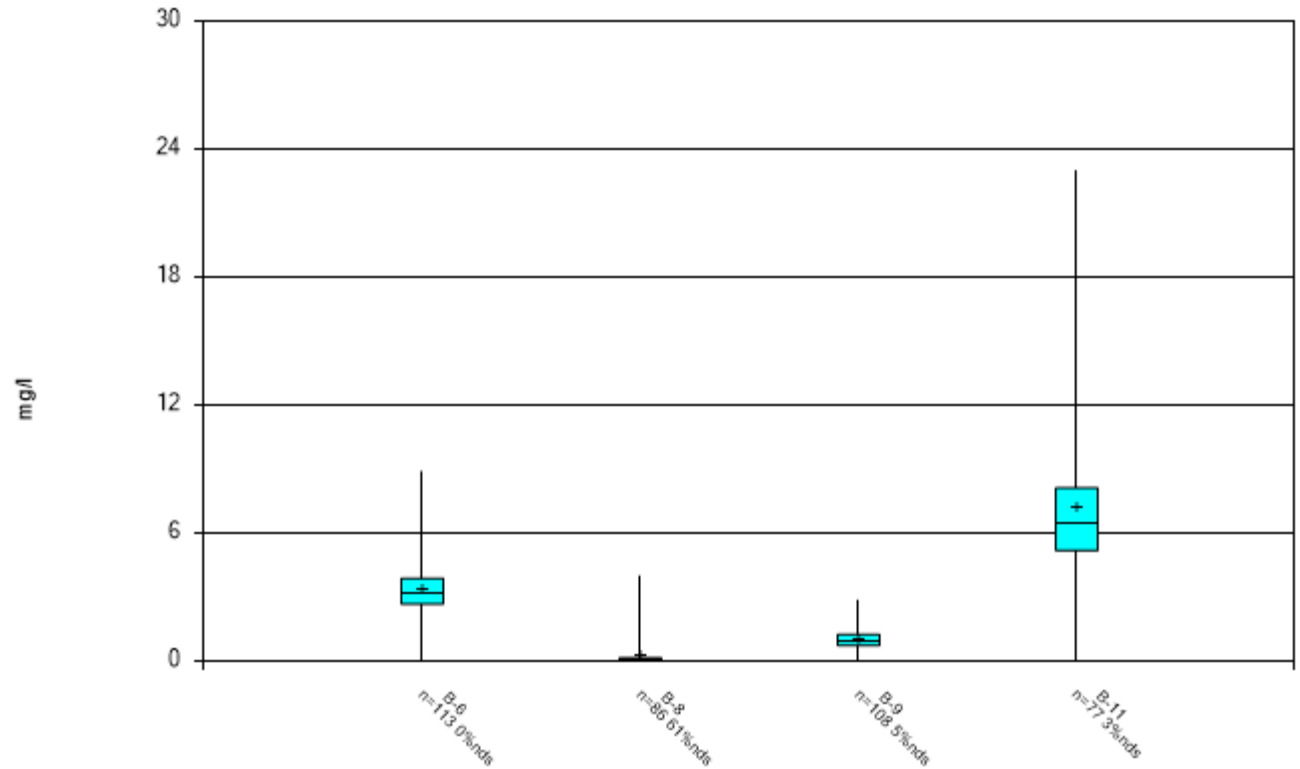


Constituent: Nickel Analysis Run 3/21/2025 1:16 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

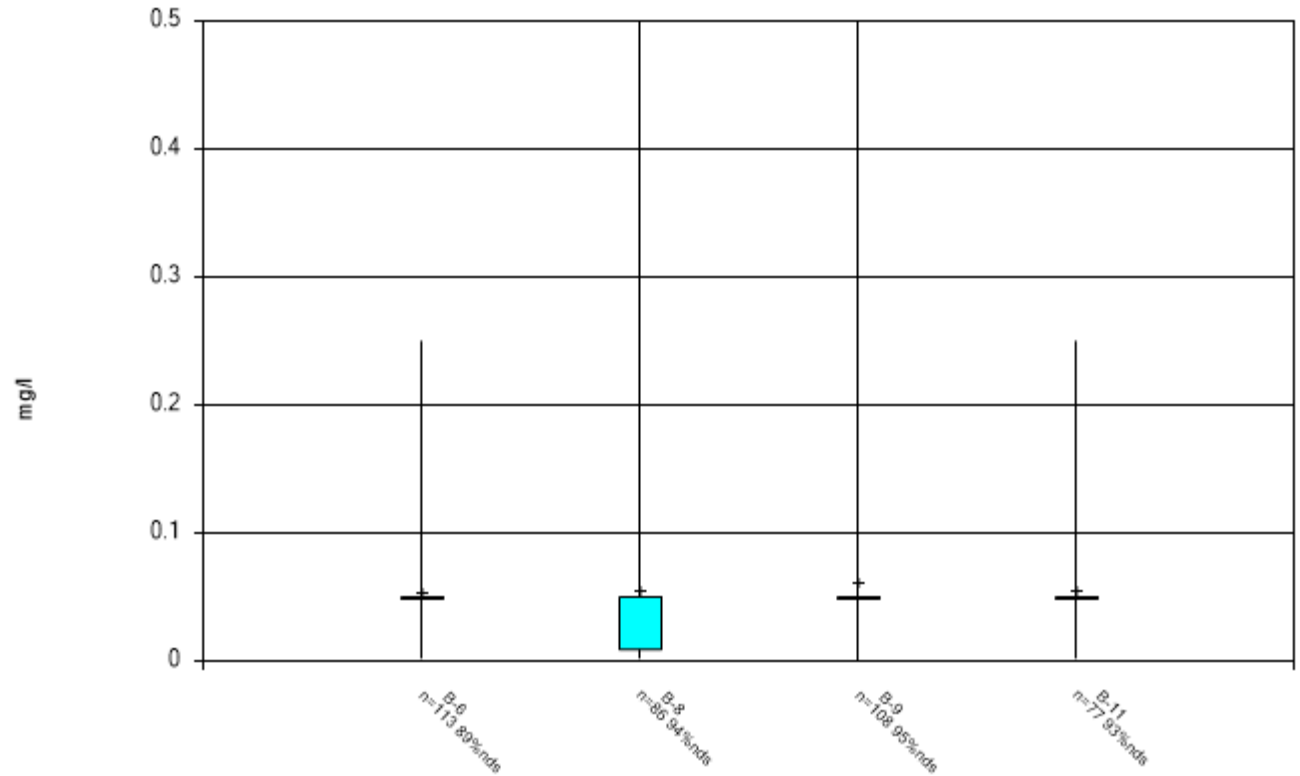


Constituent: Nitrate as nitrogen Analysis Run 3/21/2025 1:16 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

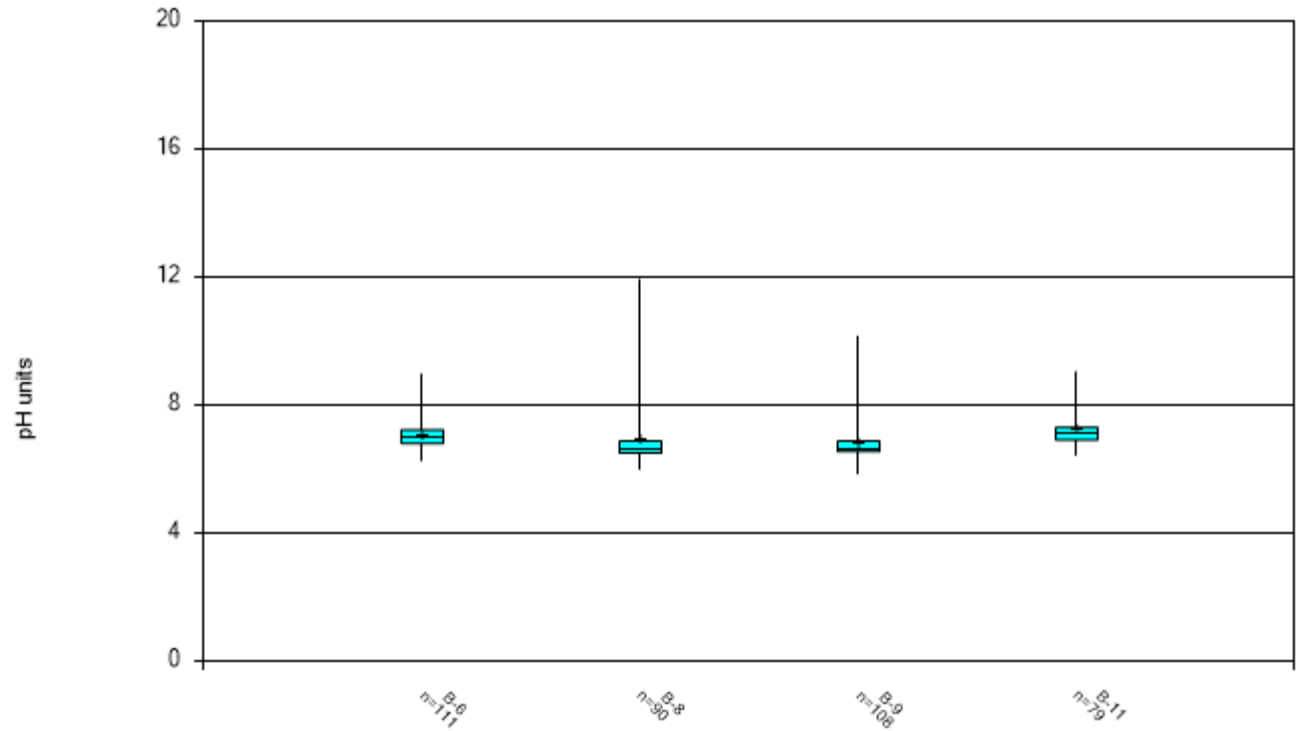


Constituent: Nitrite as nitrogen Analysis Run 3/21/2025 1:16 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

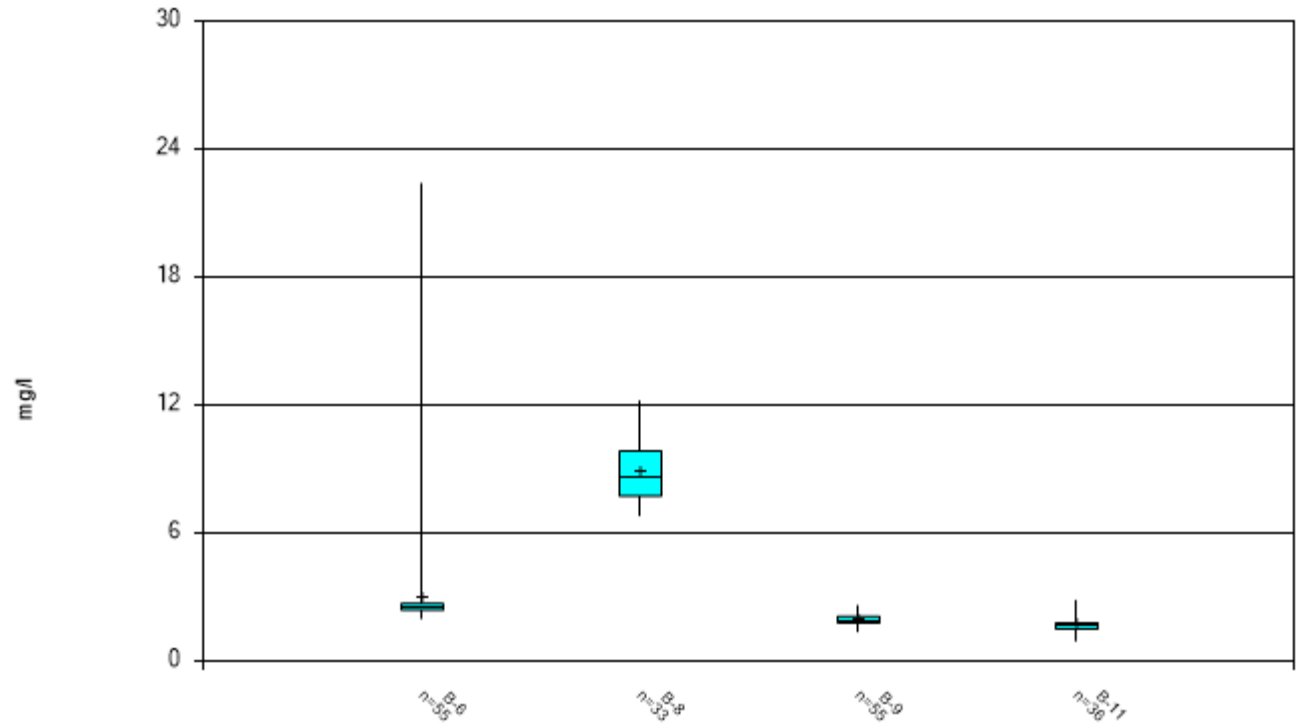


Constituent: pH Analysis Run 3/21/2025 1:16 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

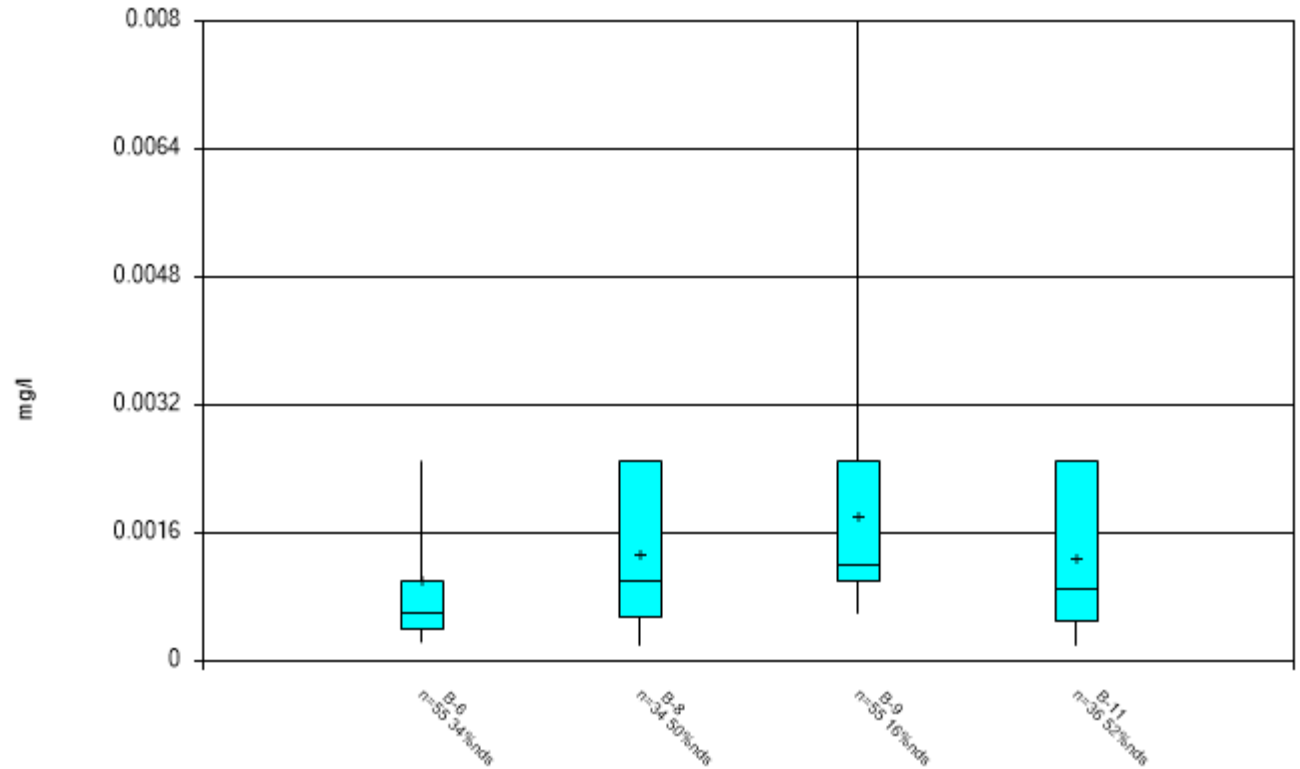


Constituent: Potassium Analysis Run 3/21/2025 1:17 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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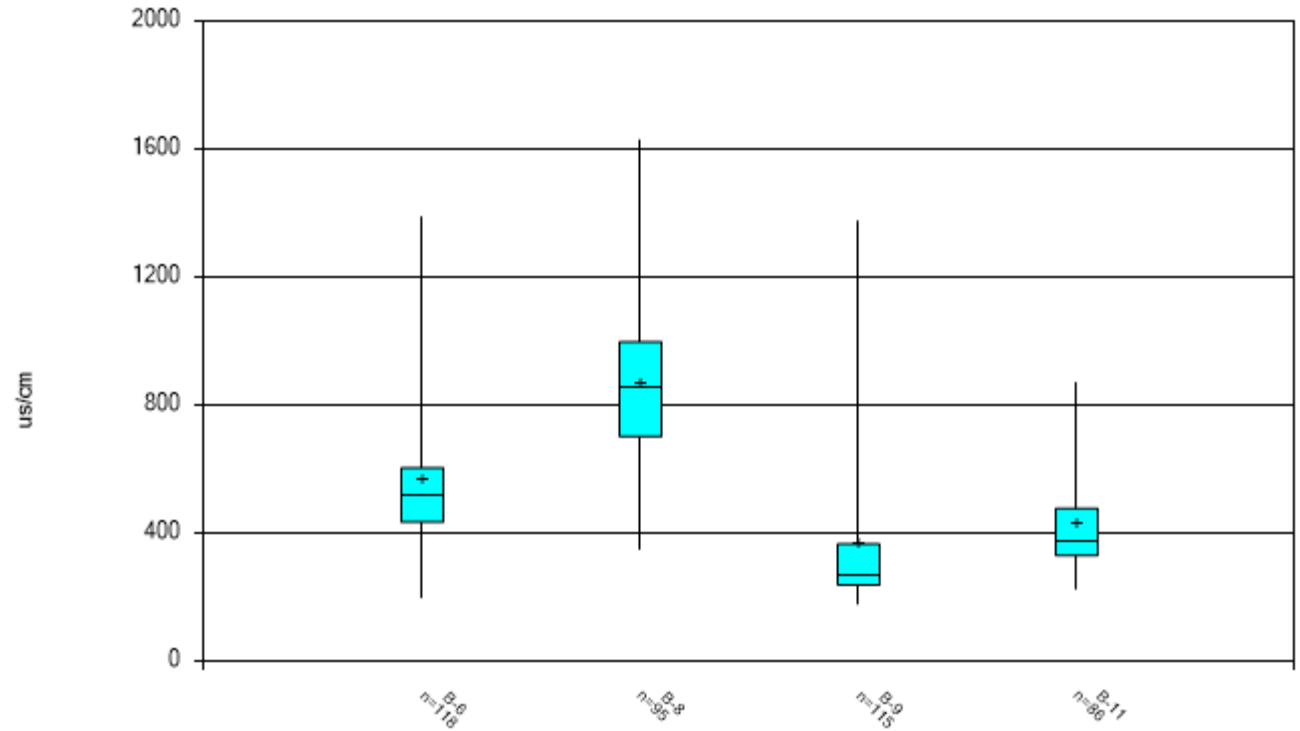


Constituent: Selenium Analysis Run 3/21/2025 1:17 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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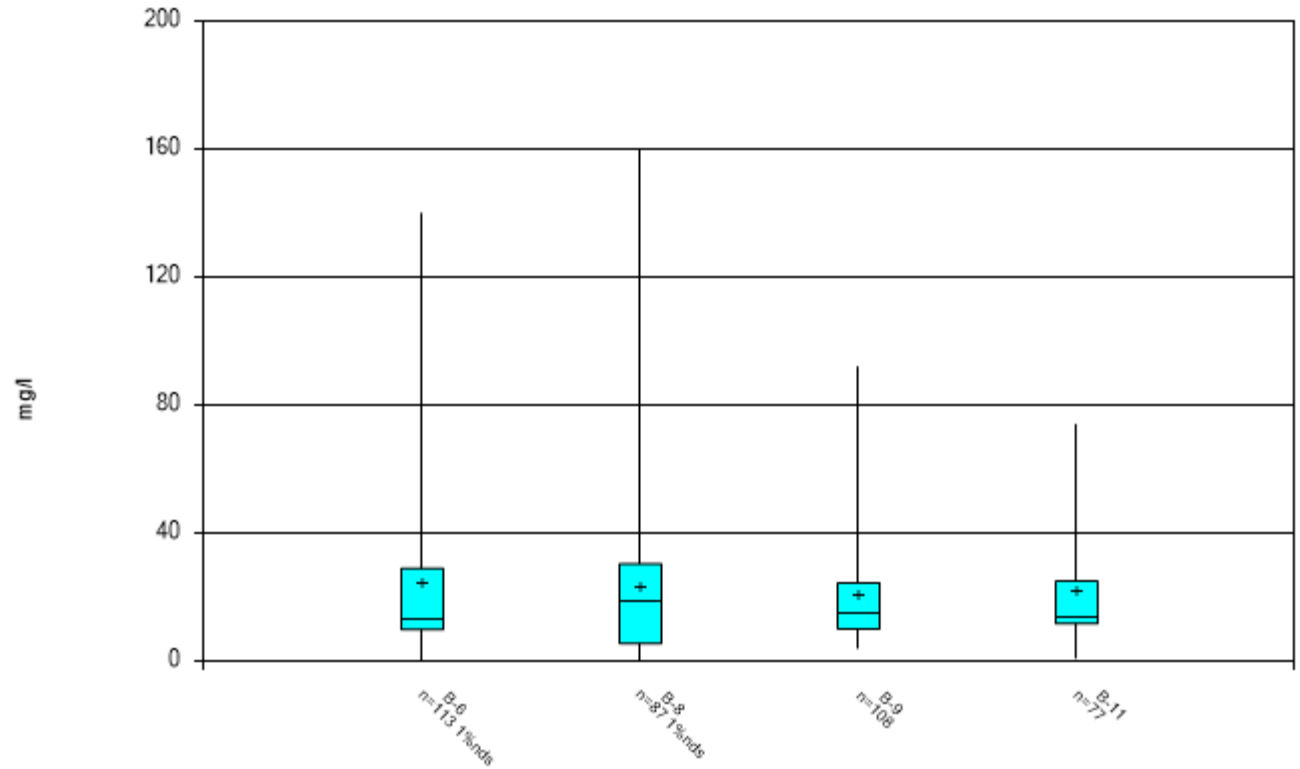


Constituent: Specific Conductance Analysis Run 3/21/2025 1:17 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

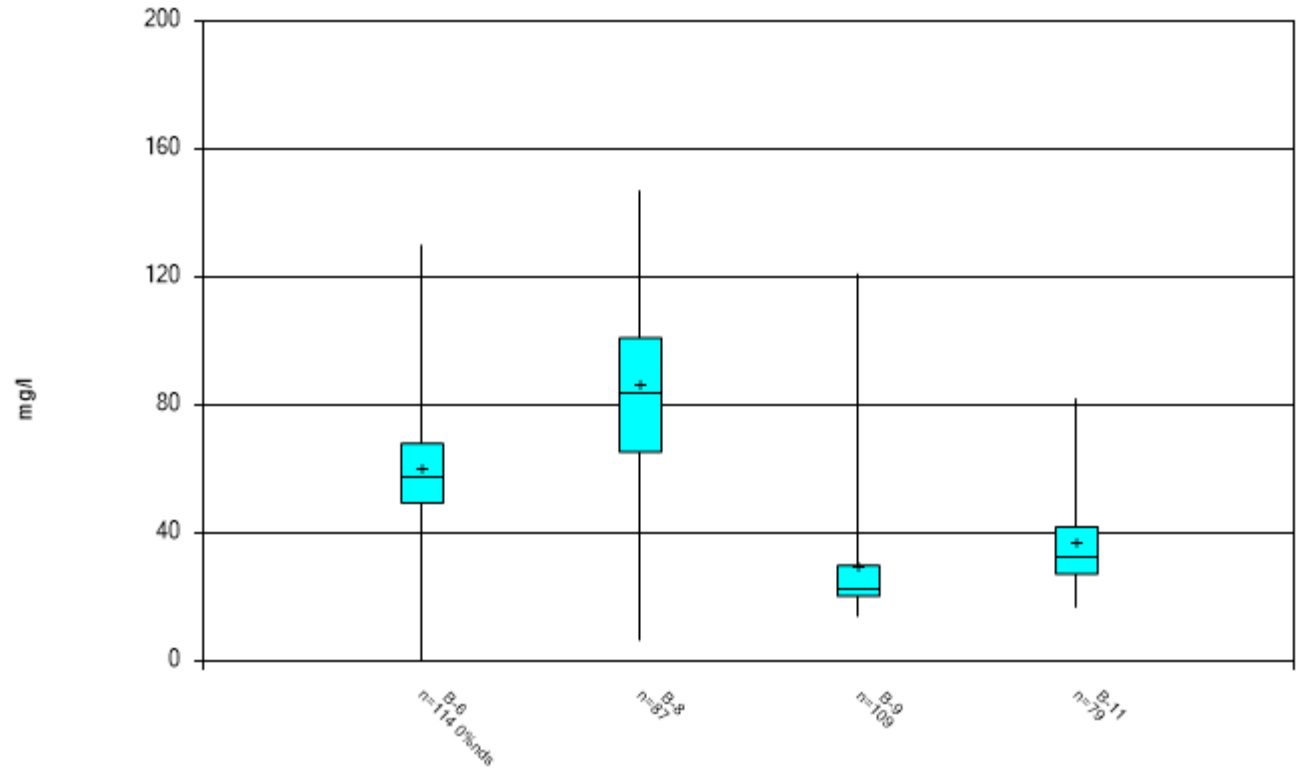


Constituent: Sulfate Analysis Run 3/21/2025 1:17 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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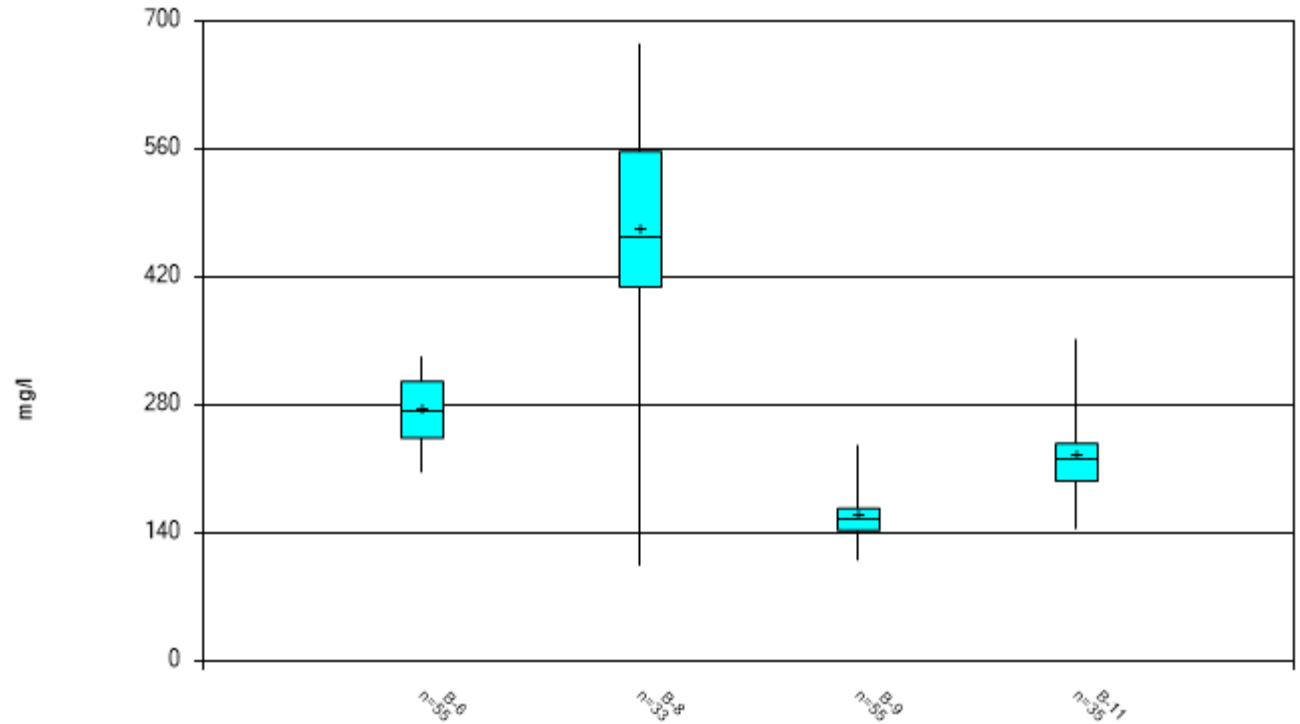


Constituent: Total Calcium Analysis Run 3/21/2025 1:18 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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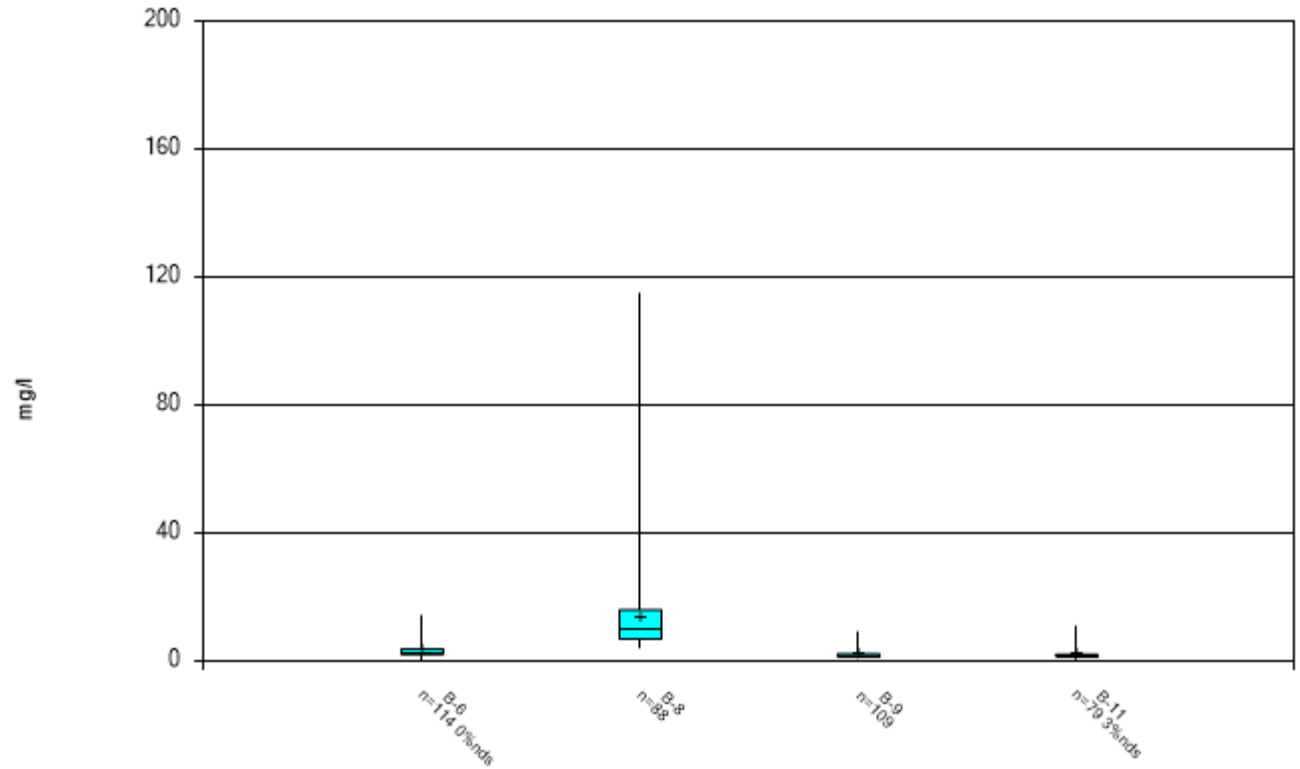


Constituent: Total Dissolved Solids Analysis Run 3/21/2025 1:18 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

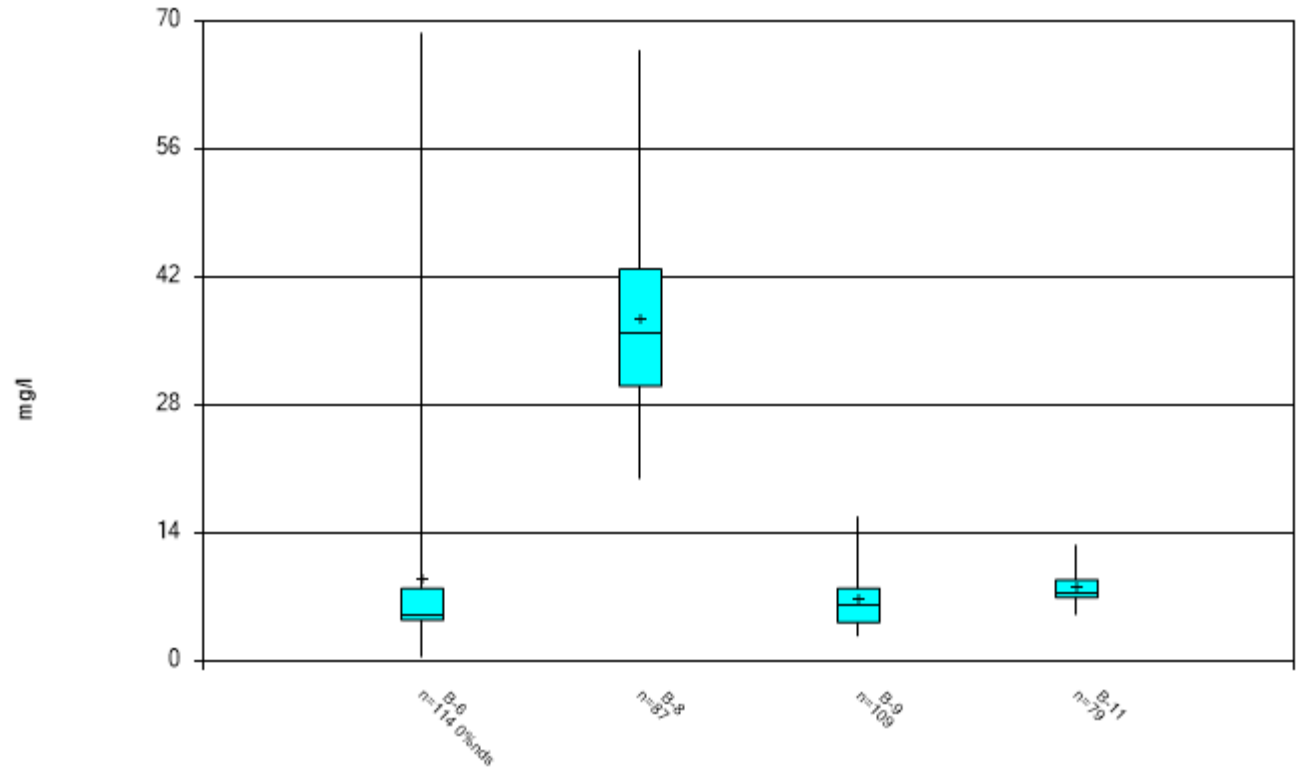


Constituent: Total Organic Carbon Analysis Run 3/21/2025 1:18 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

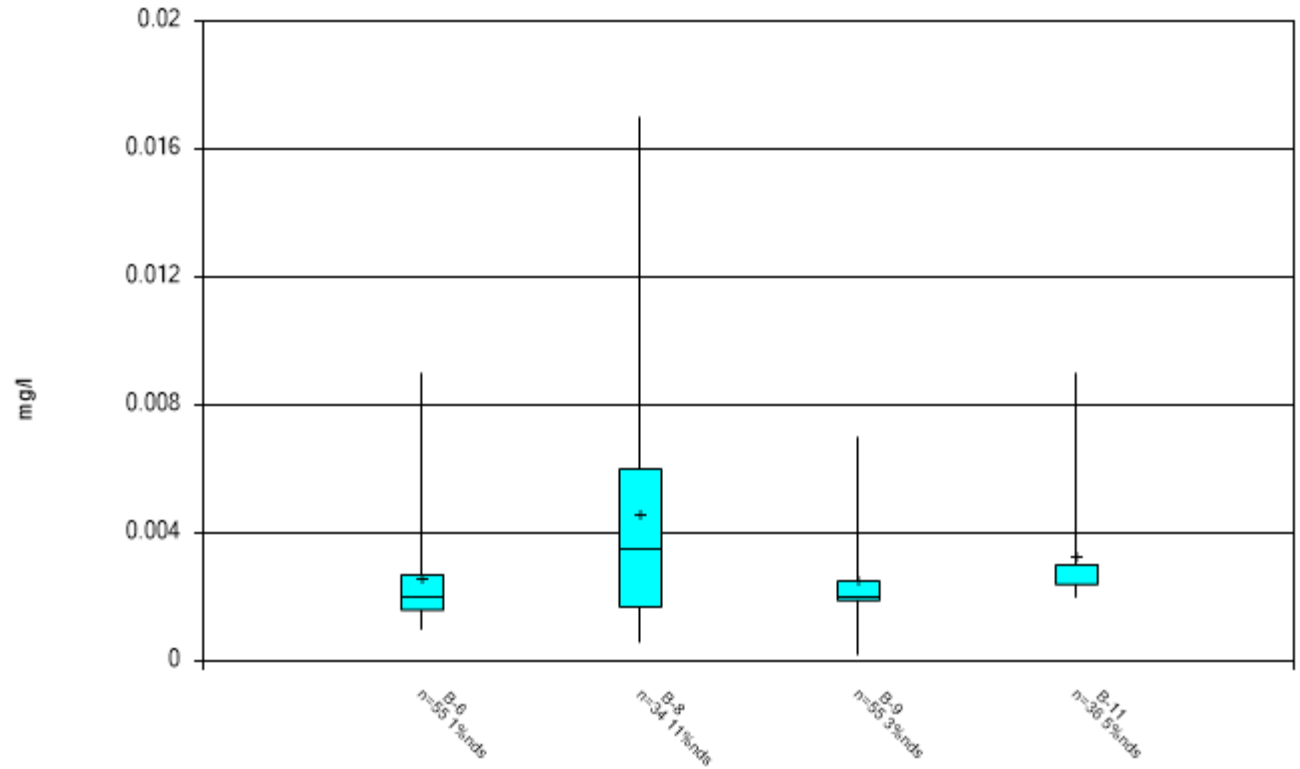


Constituent: Total Sodium Analysis Run 3/21/2025 1:19 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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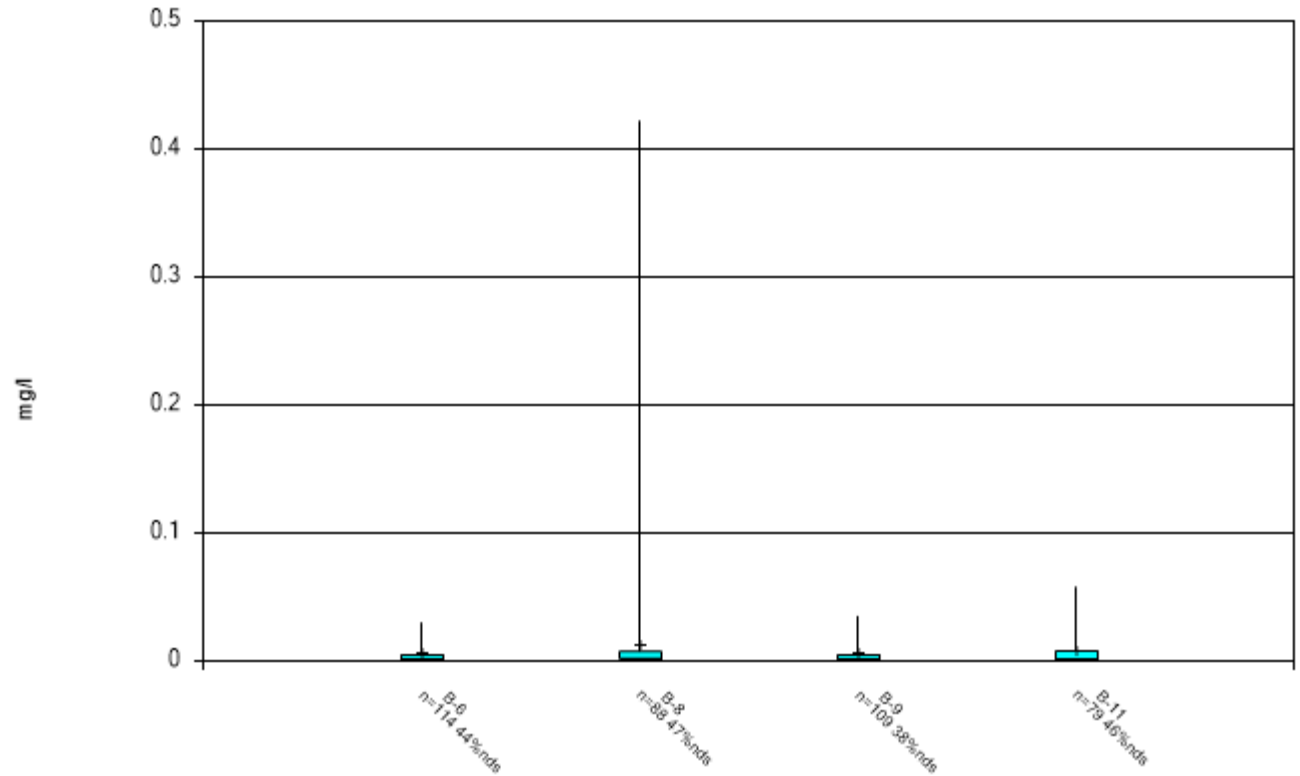


Constituent: VANADIUM [FUME OR DUST] Analysis Run 3/21/2025 1:19 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/21/2025 1:19 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

APPENDIX D-4
Long-Term Mann-Kendall Trend Tests 1994-2024 – Perched Aquifer

Long-Term Mann-Kendall Trend Tests 1994-2024
Perched Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Alpha
Alkalinity	mg/L	**B-6**	**-3.502**	**-3.827**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-8	-4.863	-91	-145	No	32	0	0.02
		B-9	**-3.133**	**-4.733**	**-2.33**	**Yes**	**54**	**0**	**0.02**
		B-11	-0.2335	-24	-158	No	34	0	0.02
Ammonia as nitrogen	mg/L	**B-6**	**-0.00613**	**-11.12**	**-2.33**	**Yes**	**114**	**35.96**	**0.02**
		B-8	0.00242	1.108	2.33	No	87	14.94	0.02
		B-9	**-0.0006235**	**-4.165**	**-2.33**	**Yes**	**109**	**63.3**	**0.02**
		B-11	**-0.000539**	**-2.919**	**-2.33**	**Yes**	**78**	**69.23**	**0.02**
Antimony, dissolved	mg/L	**B-6**	**-0.00001736**	**-3.853**	**-2.33**	**Yes**	**54**	**38.89**	**0.02**
		B-8	**-0.00002806**	**-188**	**-151**	**Yes**	**33**	**66.67**	**0.02**
		B-9	**-0.00002752**	**-4.578**	**-2.33**	**Yes**	**55**	**49.09**	**0.02**
		B-11	**0**	**-237**	**-171**	**Yes**	**36**	**80.56**	**0.02**
Arsenic, dissolved	mg/L	**B-6**	**-0.0001117**	**-11.04**	**-2.33**	**Yes**	**112**	**16.07**	**0.02**
		B-8	**-0.0002851**	**-4.69**	**-2.33**	**Yes**	**87**	**24.14**	**0.02**
		B-9	**-0.00002427**	**-10.38**	**-2.33**	**Yes**	**107**	**15.89**	**0.02**
		B-11	**0**	**-4.083**	**-2.33**	**Yes**	**77**	**32.47**	**0.02**
Barium, dissolved	mg/L	**B-6**	**-0.0004993**	**-4.159**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-8	-0.001143	-84	-158	No	34	0	0.02
		B-9	**-0.0003967**	**-5.343**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-11	-0.00008748	-48	-171	No	36	2.778	0.02
Bicarbonate	mg/L	**B-6**	**-3.303**	**-3.485**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-8	-6.908	-116	-145	No	32	0	0.02
		B-9	**-2.817**	**-3.738**	**-2.33**	**Yes**	**53**	**0**	**0.02**
		B-11	-0.3637	-23	-158	No	34	0	0.02
Cadmium, dissolved	mg/L	**B-6**	**-0.00002656**	**-7.42**	**-2.33**	**Yes**	**112**	**78.57**	**0.02**
		B-8	**-0.00003232**	**-5.418**	**-2.33**	**Yes**	**86**	**83.72**	**0.02**
		B-9	**-0.00001807**	**-6.213**	**-2.33**	**Yes**	**108**	**78.7**	**0.02**
		B-11	**-0.00003462**	**-6.084**	**-2.33**	**Yes**	**78**	**92.31**	**0.02**
Chemical Oxygen Demand	mg/L	**B-6**	**-0.05411**	**-2.447**	**-2.33**	**Yes**	**114**	**52.63**	**0.02**
		B-8	-0.5194	-2.05	-2.33	No	87	6.897	0.02
		B-9	0	1.031	2.33	No	109	69.72	0.02
		B-11	0	-2.302	-2.33	No	78	67.95	0.02
Chloride	mg/L	B-6	-0.03079	-1.445	-2.33	No	113	1.77	0.02
		B-8	**-2.999**	**-9.073**	**-2.33**	**Yes**	**87**	**0**	**0.02**
		B-9	**-0.1989**	**-10.43**	**-2.33**	**Yes**	**108**	**0**	**0.02**
		B-11	**-0.1443**	**-7.965**	**-2.33**	**Yes**	**77**	**0**	**0.02**
Chromium, dissolved	mg/L	B-6	-0.0000384	-1.627	-2.33	No	55	23.64	0.02
		B-8	**-0.0002889**	**-292**	**-158**	**Yes**	**34**	**26.47**	**0.02**
		B-9	**-0.00003677**	**-2.799**	**-2.33**	**Yes**	**55**	**14.55**	**0.02**
		B-11	**-0.00006724**	**-181**	**-171**	**Yes**	**36**	**27.78**	**0.02**
Cobalt, dissolved	mg/L	**B-6**	**-0.00001815**	**-3.769**	**-2.33**	**Yes**	**54**	**48.15**	**0.02**
		B-8	-0.00001976	-113	-151	No	33	21.21	0.02
		B-9	**-0.000004971**	**-3.528**	**-2.33**	**Yes**	**55**	**50.91**	**0.02**
		B-11	**0**	**-174**	**-171**	**Yes**	**36**	**72.22**	**0.02**
Copper, dissolved	mg/L	**B-6**	**-0.00007734**	**-3.469**	**-2.33**	**Yes**	**55**	**32.73**	**0.02**
		B-8	**-0.0003026**	**-197**	**-158**	**Yes**	**34**	**26.47**	**0.02**
		B-9	**-0.00007329**	**-3.29**	**-2.33**	**Yes**	**55**	**32.73**	**0.02**
		B-11	**-0.00008742**	**-285**	**-171**	**Yes**	**36**	**44.44**	**0.02**
Iron, dissolved	mg/L	**B-6**	**0**	**-4.931**	**-2.33**	**Yes**	**114**	**67.54**	**0.02**
		B-8	0.001572	0.9605	2.33	No	88	17.05	0.02
		B-9	**0**	**-2.534**	**-2.33**	**Yes**	**109**	**68.81**	**0.02**
		B-11	**0**	**-3.616**	**-2.33**	**Yes**	**79**	**62.03**	**0.02**
Lead, dissolved	mg/L	**B-6**	**0**	**-4.285**	**-2.33**	**Yes**	**113**	**92.92**	**0.02**
		B-8	**-0.00002489**	**-4.271**	**-2.33**	**Yes**	**87**	**93.1**	**0.02**
		B-9	**0**	**-3.843**	**-2.33**	**Yes**	**109**	**89.91**	**0.02**
		B-11	**-0.00003125**	**-5.84**	**-2.33**	**Yes**	**79**	**96.2**	**0.02**
Magnesium, dissolved	mg/L	**B-6**	**-0.5117**	**-3.994**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-8	-0.2316	-40	-151	No	33	0	0.02
		B-9	**-0.3551**	**-5.048**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-11	0.07576	28	171	No	36	0	0.02
Manganese	mg/L	**B-6**	**-0.006146**	**-10.98**	**-2.33**	**Yes**	**114**	**13.16**	**0.02**
		B-8	-0.005838	-2.105	-2.33	No	88	5.682	0.02
		B-9	**-0.03009**	**-10.57**	**-2.33**	**Yes**	**109**	**17.43**	**0.02**
		B-11	**-0.0002466**	**-7.124**	**-2.33**	**Yes**	**79**	**51.9**	**0.02**

Long-Term Mann-Kendall Trend Tests 1994-2024
Perched Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Alpha
Mercury, dissolved	mg/L	B-6	0	-1.809	-2.33	No	113	99.12	0.02
		B-8	0	-1.182	-2.33	No	87	98.85	0.02
		B-9	**0**	**-2.996**	**-2.33**	**Yes**	**108**	**99.07**	**0.02**
		B-11	0	-1.909	-2.33	No	78	97.44	0.02
Nickel, dissolved	mg/L	**B-6**	**0.00007781**	**5.286**	**2.33**	**Yes**	**54**	**33.33**	**0.02**
		B-8	**-0.0002428**	**-172**	**-151**	**Yes**	**33**	**3.03**	**0.02**
		B-9	0.0000137	2.16	2.33	No	55	23.64	0.02
		B-11	**0.00004177**	**269**	**171**	**Yes**	**36**	**33.33**	**0.02**
Nitrate as nitrogen	mg/L	**B-6**	**0.04921**	**5.273**	**2.33**	**Yes**	**113**	**0.885**	**0.02**
		B-8	0	-0.7003	-2.33	No	86	61.63	0.02
		B-9	**0.01517**	**2.855**	**2.33**	**Yes**	**108**	**5.556**	**0.02**
		B-11	-0.08462	-2.323	-2.33	No	77	3.896	0.02
Nitrite as nitrogen	mg/L	B-6	0	-1.442	-2.33	No	113	89.38	0.02
		B-8	**0**	**3.086**	**2.33**	**Yes**	**86**	**94.19**	**0.02**
		B-9	0	-0.7429	-2.33	No	108	95.37	0.02
		B-11	0	0.5329	2.33	No	77	93.51	0.02
pH	pH units	**B-6**	**0.01966**	**5.557**	**2.33**	**Yes**	**111**	**0**	**0.02**
		B-8	0.006902	1.283	2.33	No	90	0	0.02
		B-9	**0.01233**	**3.829**	**2.33**	**Yes**	**108**	**0**	**0.02**
		B-11	0.007738	1.66	2.33	No	79	0	0.02
Potassium	mg/L	B-6	0	-0.0801	-2.33	No	55	0	0.02
		B-8	-0.1071	-108	-151	No	33	0	0.02
		B-9	**-0.02355**	**-3.056**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-11	0	-33	-171	No	36	0	0.02
Selenium, dissolved	mg/L	**B-6**	**-0.00007803**	**-6.119**	**-2.33**	**Yes**	**55**	**34.55**	**0.02**
		B-8	**-0.0001554**	**-367**	**-158**	**Yes**	**34**	**50**	**0.02**
		B-9	**-0.0001352**	**-7.019**	**-2.33**	**Yes**	**55**	**16.36**	**0.02**
		B-11	**-0.0001385**	**-309**	**-171**	**Yes**	**36**	**52.78**	**0.02**
Specific Conductance	us/cm	**B-6**	**-11.43**	**-9.581**	**-2.33**	**Yes**	**118**	**0**	**0.02**
		B-8	**-9.06**	**-3.492**	**-2.33**	**Yes**	**95**	**0**	**0.02**
		B-9	**-8.621**	**-11.33**	**-2.33**	**Yes**	**115**	**0**	**0.02**
		B-11	**-6.037**	**-4.253**	**-2.33**	**Yes**	**86**	**0**	**0.02**
Sulfate	mg/L	**B-6**	**-1.131**	**-10.08**	**-2.33**	**Yes**	**113**	**1.77**	**0.02**
		B-8	**-0.9995**	**-3.689**	**-2.33**	**Yes**	**87**	**1.149**	**0.02**
		B-9	**-0.99**	**-10.57**	**-2.33**	**Yes**	**108**	**0**	**0.02**
		B-11	**-0.7186**	**-3.802**	**-2.33**	**Yes**	**77**	**0**	**0.02**
Total Calcium	mg/L	**B-6**	**-0.9077**	**-6.671**	**-2.33**	**Yes**	**114**	**0.8772**	**0.02**
		B-8	**-1.488**	**-4.139**	**-2.33**	**Yes**	**87**	**0**	**0.02**
		B-9	**-0.6458**	**-8.599**	**-2.33**	**Yes**	**109**	**0**	**0.02**
		B-11	**-0.5941**	**-3.586**	**-2.33**	**Yes**	**79**	**0**	**0.02**
Total Dissolved Solids	mg/L	**B-6**	**-3.498**	**-3.675**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-8	-7.697	-140	-151	No	33	0	0.02
		B-9	**-3.516**	**-5.665**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-11	-0.4966	-15	-166	No	35	0	0.02
Total Organic Carbon	mg/L	**B-6**	**-0.09625**	**-9.603**	**-2.33**	**Yes**	**114**	**0.8772**	**0.02**
		B-8	-0.1265	-1.889	-2.33	No	88	0	0.02
		B-9	**-0.05237**	**-8.824**	**-2.33**	**Yes**	**109**	**0**	**0.02**
		B-11	**-0.02361**	**-5.065**	**-2.33**	**Yes**	**79**	**3.797**	**0.02**
Total Sodium	mg/L	**B-6**	**-0.2388**	**-11.49**	**-2.33**	**Yes**	**114**	**0.8772**	**0.02**
		B-8	**-0.9487**	**-7.733**	**-2.33**	**Yes**	**87**	**0**	**0.02**
		B-9	**-0.2748**	**-11.78**	**-2.33**	**Yes**	**109**	**0**	**0.02**
		B-11	**-0.1094**	**-5.285**	**-2.33**	**Yes**	**79**	**0**	**0.02**
Vanadium, dissolved	mg/L	**B-6**	**-0.0001489**	**-5.738**	**-2.33**	**Yes**	**55**	**1.818**	**0.02**
		B-8	**-0.0004969**	**-292**	**-158**	**Yes**	**34**	**11.76**	**0.02**
		B-9	**-0.00007978**	**-5.716**	**-2.33**	**Yes**	**55**	**3.636**	**0.02**
		B-11	**-0.0001192**	**-345**	**-171**	**Yes**	**36**	**5.556**	**0.02**
Zinc, dissolved	mg/L	**B-6**	**-0.0001782**	**-7.943**	**-2.33**	**Yes**	**114**	**44.74**	**0.02**
		B-8	**-0.0002091**	**-6.437**	**-2.33**	**Yes**	**88**	**47.73**	**0.02**
		B-9	**-0.0001313**	**-5.05**	**-2.33**	**Yes**	**109**	**38.53**	**0.02**
		B-11	**-0.0002023**	**-6.6**	**-2.33**	**Yes**	**79**	**46.84**	**0.02**

APPENDIX D-5
Short-Term Mann-Kendall Trend Tests 2020-2024 – Perched Aquifer

Short-Term Mann-Kendall Trend Tests 2020-2024
Perched Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Alpha
Alkalinity	mg/L	B-6	-8.574	-32	-44	No	14	0	0.02
		B-8	-31.31	-2	-8	No	4	0	0.02
		B-9	6.432	42	44	No	14	0	0.02
		B-11	-23.69	-5	-13	No	6	0	0.02
Ammonia as nitrogen	mg/L	B-6	0	5	44	No	14	92.86	0.02
		B-8	0.008456	3	8	No	4	50	0.02
		B-9	0	-3	-44	No	14	71.43	0.02
		B-11	0	5	13	No	6	66.67	0.02
Antimony, dissolved	mg/L	B-6	0.00001225	16	44	No	14	21.43	0.02
		B-8	-0.000835	-5	-8	No	4	75	0.02
		B-9	0.000007164	15	44	No	14	14.29	0.02
		B-11	-0.0003318	-12	-13	No	6	33.33	0.02
Arsenic, dissolved	mg/L	B-6	0	-10	-44	No	14	0	0.02
		B-8	0.0001931	3	8	No	4	0	0.02
		B-9	-0.000006571	-21	-44	No	14	0	0.02
		B-11	0	0	13	No	6	0	0.02
Barium, dissolved	mg/L	B-6	-0.001035	-17	-44	No	14	0	0.02
		B-8	0.0006284	0	8	No	4	0	0.02
		B-9	0.0005099	33	44	No	14	0	0.02
		B-11	-0.002317	-7	-13	No	6	0	0.02
Bicarbonate	mg/L	B-6	-8.668	-32	-44	No	14	0	0.02
		B-8	-33.12	-2	-8	No	4	0	0.02
		B-9	**6.104**	**45**	**39**	**Yes**	**13**	**0**	**0.02**
		B-11	-46.97	-7	-13	No	6	0	0.02
Cadmium, dissolved	mg/L	B-6	0.000007164	26	44	No	14	28.57	0.02
		B-8	-0.000143	-3	-8	No	4	75	0.02
		B-9	0.00001466	37	44	No	14	28.57	0.02
		B-11	0	0	13	No	6	100	0.02
Chemical Oxygen Demand	mg/L	B-6	0	11	44	No	14	50	0.02
		B-8	5.467	2	8	No	4	25	0.02
		B-9	0	-20	-44	No	14	78.57	0.02
		B-11	-3.318	-7	-13	No	6	50	0.02
Chloride	mg/L	B-6	-0.5295	-31	-44	No	14	0	0.02
		B-8	-8.241	-6	-8	No	4	0	0.02
		B-9	0.372	42	44	No	14	0	0.02
		B-11	0.2028	4	13	No	6	0	0.02
Chromium, dissolved	mg/L	B-6	-0.0002759	-25	-44	No	14	0	0.02
		B-8	-0.000549	0	8	No	4	0	0.02
		B-9	0	2	44	No	14	0	0.02
		B-11	0.0002429	6	13	No	6	0	0.02
Cobalt, dissolved	mg/L	B-6	0.000006472	24	44	No	14	0	0.02
		B-8	0.0002063	2	8	No	4	0	0.02
		B-9	0.000007905	35	44	No	14	14.29	0.02
		B-11	-0.0001822	-5	-13	No	6	33.33	0.02
Copper, dissolved	mg/L	B-6	0.00008732	32	44	No	14	0	0.02
		B-8	-0.0004913	0	8	No	4	0	0.02
		B-9	0.00002915	9	44	No	14	0	0.02
		B-11	0.0003037	11	13	No	6	0	0.02
Iron, dissolved	mg/L	B-6	0	-12	-44	No	14	78.57	0.02
		B-8	0.01738	2	8	No	4	25	0.02
		B-9	-0.0009194	-28	-44	No	14	50	0.02
		B-11	0	-3	-13	No	6	66.67	0.02
Lead, dissolved	mg/L	B-6	0	14	44	No	14	85.71	0.02
		B-8	0	0	8	No	4	100	0.02
		B-9	0	0	44	No	14	85.71	0.02
		B-11	0	0	13	No	6	100	0.02
Magnesium, dissolved	mg/L	B-6	-0.7843	-23	-44	No	14	0	0.02
		B-8	-1.951	-3	-8	No	4	0	0.02
		B-9	0.8545	37	44	No	14	0	0.02
		B-11	-0.8502	-3	-13	No	6	0	0.02
Manganese	mg/L	B-6	-0.0004515	-36	-44	No	14	7.143	0.02
		B-8	-0.002777	-2	-8	No	4	0	0.02
		B-9	-0.00002145	-2	-44	No	14	0	0.02
		B-11	0.0001342	6	13	No	6	0	0.02

Short-Term Mann-Kendall Trend Tests 2020-2024
Perched Aquifer

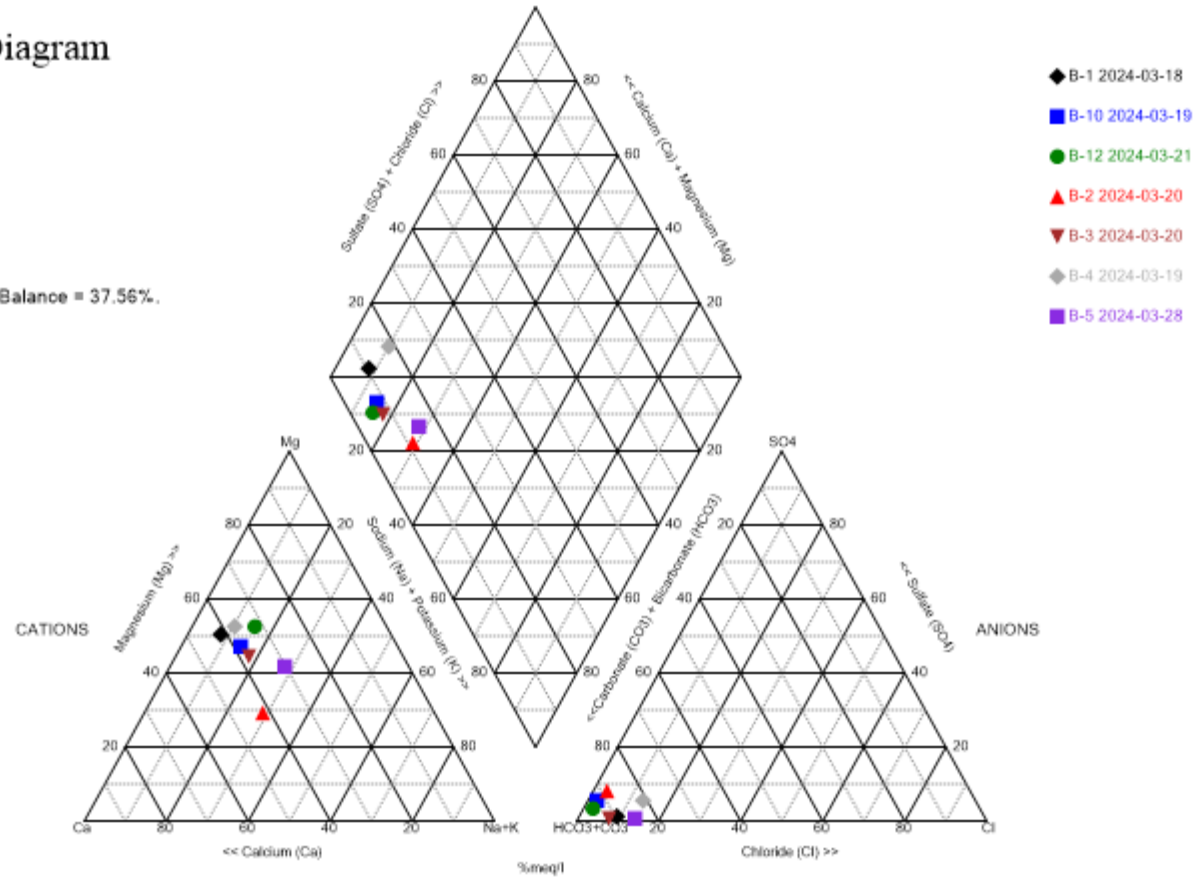
Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Alpha
Mercury, dissolved	mg/L	B-6	0	13	44	No	14	100	0.02
		B-8	0	0	8	No	4	100	0.02
		B-9	0	20	44	No	14	100	0.02
		B-11	0	3	13	No	6	100	0.02
Nickel, dissolved	mg/L	B-6	-0.00006618	-11	-44	No	14	0	0.02
		B-8	0.001286	4	8	No	4	0	0.02
		B-9	0.0000867	35	44	No	14	0	0.02
		B-11	0.0002028	3	13	No	6	0	0.02
Nitrate as nitrogen	mg/L	B-6	0.1352	13	44	No	14	0	0.02
		B-8	-0.04358	-4	-8	No	4	25	0.02
		B-9	0.1173	19	44	No	14	0	0.02
		B-11	1.366	11	13	No	6	0	0.02
Nitrite as nitrogen	mg/L	B-6	0.007176	30	44	No	14	85.71	0.02
		B-8	-0.01026	-3	-8	No	4	75	0.02
		B-9	0	31	44	No	14	85.71	0.02
		B-11	0	0	13	No	6	100	0.02
pH	pH units	B-6	-0.09413	-24	-44	No	14	0	0.02
		B-8	-0.6624	-8	-10	No	5	0	0.02
		B-9	-0.01973	-7	-44	No	14	0	0.02
		B-11	-0.1397	-3	-13	No	6	0	0.02
Potassium	mg/L	B-6	-0.066	-30	-44	No	14	0	0.02
		B-8	0.3348	0	8	No	4	0	0.02
		B-9	0.04886	25	44	No	14	0	0.02
		B-11	0	5	13	No	6	0	0.02
Selenium, dissolved	mg/L	B-6	0	-10	-44	No	14	0	0.02
		B-8	0.0003198	4	8	No	4	0	0.02
		B-9	-0.00003065	-15	-44	No	14	0	0.02
		B-11	-0.0001751	-5	-13	No	6	0	0.02
Specific Conductance	us/cm	B-6	-12.72	-24	-44	No	14	0	0.02
		B-8	14.61	0	10	No	5	0	0.02
		B-9	5.398	19	44	No	14	0	0.02
		B-11	-36.23	-6	-13	No	6	0	0.02
Sulfate	mg/L	B-6	0.05375	7	44	No	14	0	0.02
		B-8	-0.954	0	8	No	4	0	0.02
		B-9	0.7813	28	44	No	14	0	0.02
		B-11	-3.187	-11	-13	No	6	0	0.02
Calcium, total	mg/L	B-6	-1.171	-16	-44	No	14	0	0.02
		B-8	-1.611	-2	-8	No	4	0	0.02
		B-9	0.872	27	44	No	14	0	0.02
		B-11	-3.355	-3	-13	No	6	0	0.02
Total Dissolved Solids	mg/L	B-6	-9.481	-25	-44	No	14	0	0.02
		B-8	5.581	0	8	No	4	0	0.02
		B-9	6.495	35	44	No	14	0	0.02
		B-11	-33.06	-5	-13	No	6	0	0.02
Total Organic Carbon	mg/L	B-6	0.03814	14	44	No	14	0	0.02
		B-8	-0.6757	-2	-8	No	4	0	0.02
		B-9	-0.06851	-39	-44	No	14	0	0.02
		B-11	0.008004	1	13	No	6	0	0.02
Sodium, total	mg/L	B-6	-0.04704	-14	-44	No	14	0	0.02
		B-8	-1.307	0	8	No	4	0	0.02
		B-9	0.1317	25	44	No	14	0	0.02
		B-11	-0.2028	-5	-13	No	6	0	0.02
Vanadium, dissolved	mg/L	B-6	-0.0001608	-38	-44	No	14	0	0.02
		B-8	-0.0000905	-1	-8	No	4	0	0.02
		B-9	-0.0000266	-16	-44	No	14	0	0.02
		B-11	-0.0001215	-5	-13	No	6	0	0.02
Zinc, dissolved	mg/L	B-6	0.00002676	10	44	No	14	7.143	0.02
		B-8	-0.0003469	-3	-8	No	4	0	0.02
		B-9	0.00009927	21	44	No	14	0	0.02
		B-11	-0.000671	-13	-13	No	6	0	0.02

APPENDIX E-1
Piper Diagrams 2024 – Upper Regional Aquifer

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Piper Diagram

Cation-Anion Balance = 37.56%.



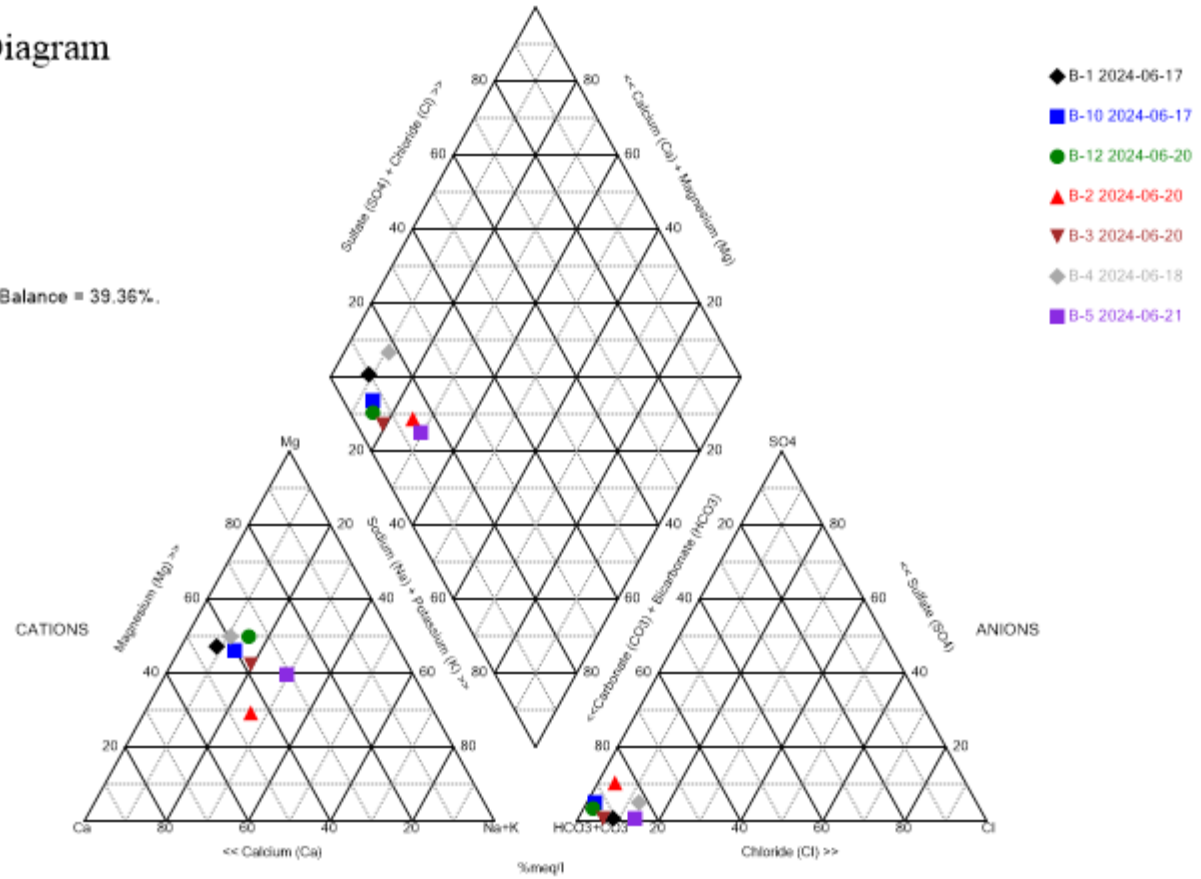
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Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Piper Diagram

Cation-Anion Balance = 39.36%.



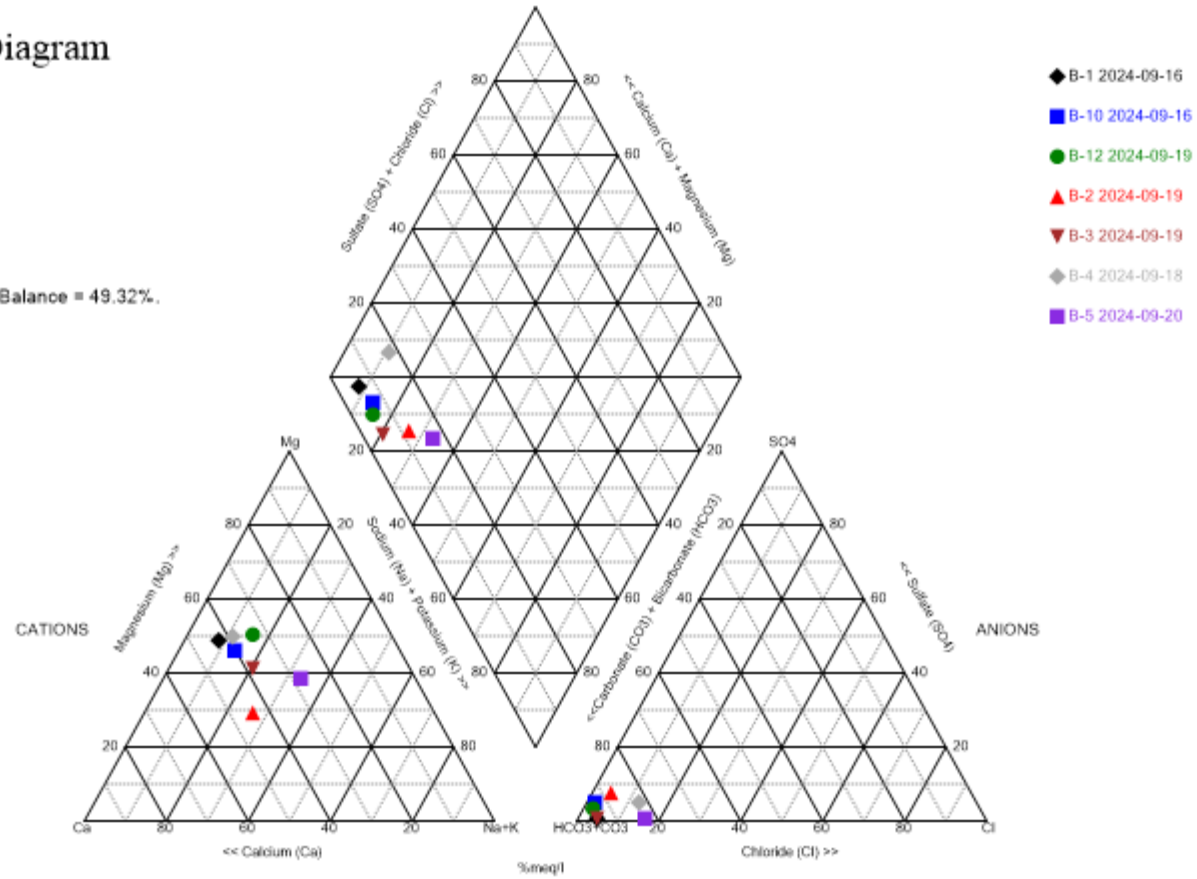
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Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Piper Diagram

Cation-Anion Balance = 49.32%.



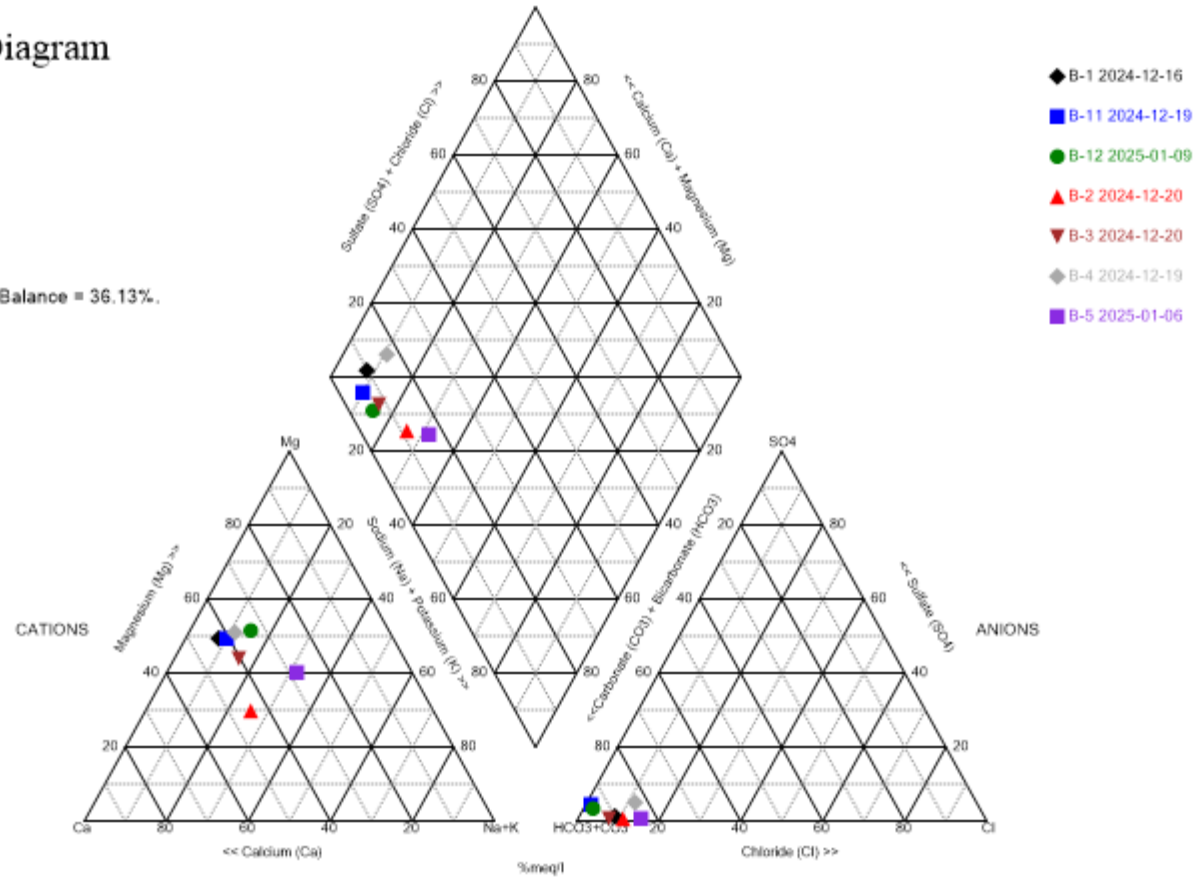
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Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Piper Diagram

Cation-Anion Balance = 36.13%.

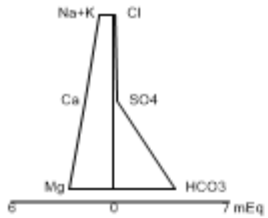


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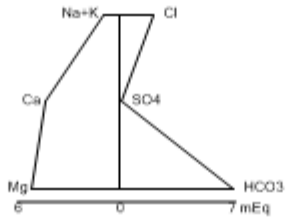
Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

APPENDIX E-2
Stiff Diagrams 2024 – Upper Regional Aquifer

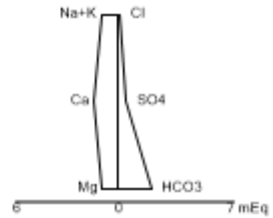
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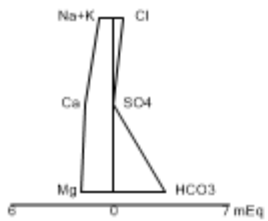
B-12 2024-03-21



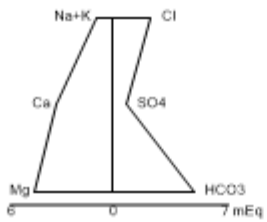
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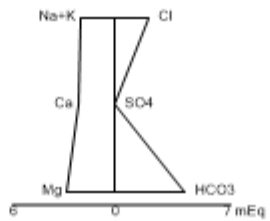
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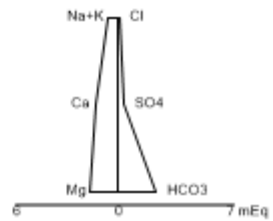
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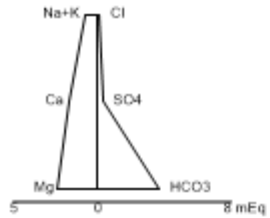


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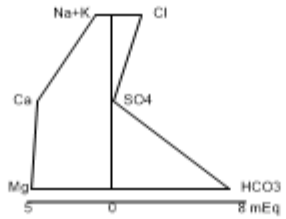
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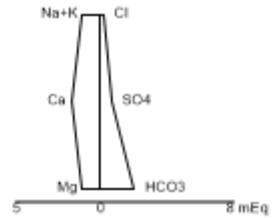
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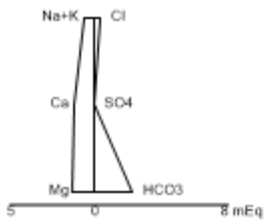
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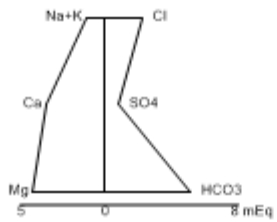
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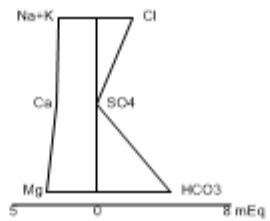
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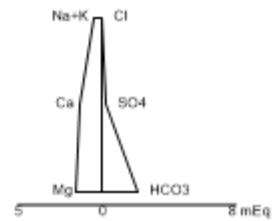
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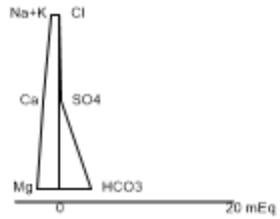


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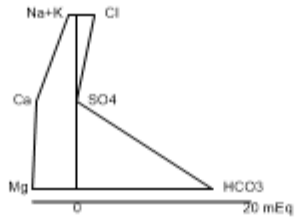
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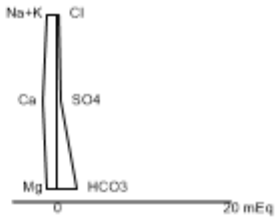
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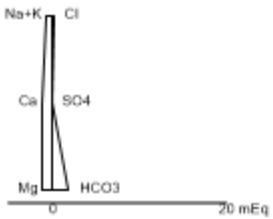
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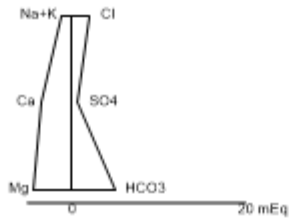
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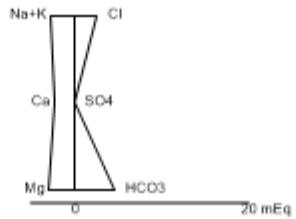
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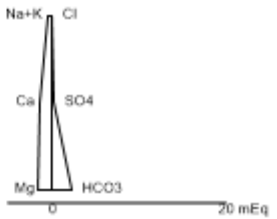
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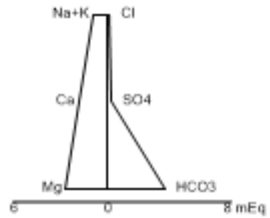


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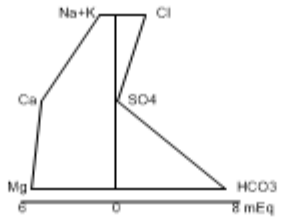
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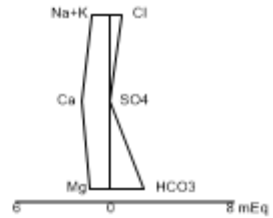
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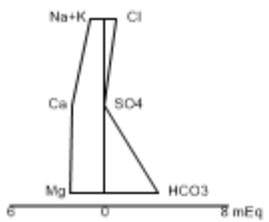
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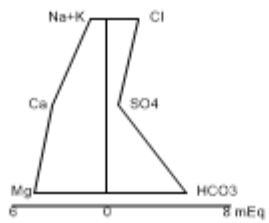
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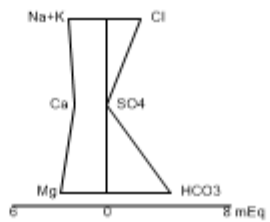
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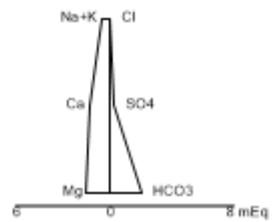
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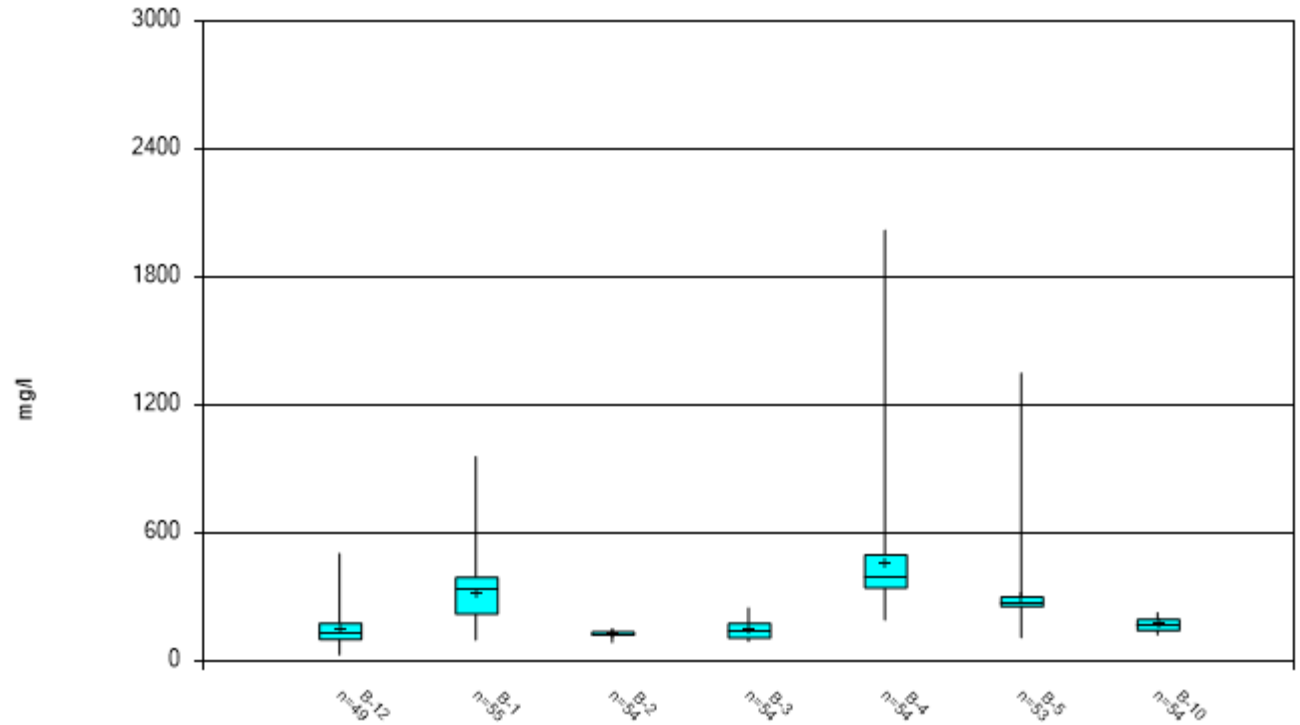
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Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

APPENDIX E-3
Box Plots 1994-2024 – Upper Regional Aquifer

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Box & Whiskers Plot

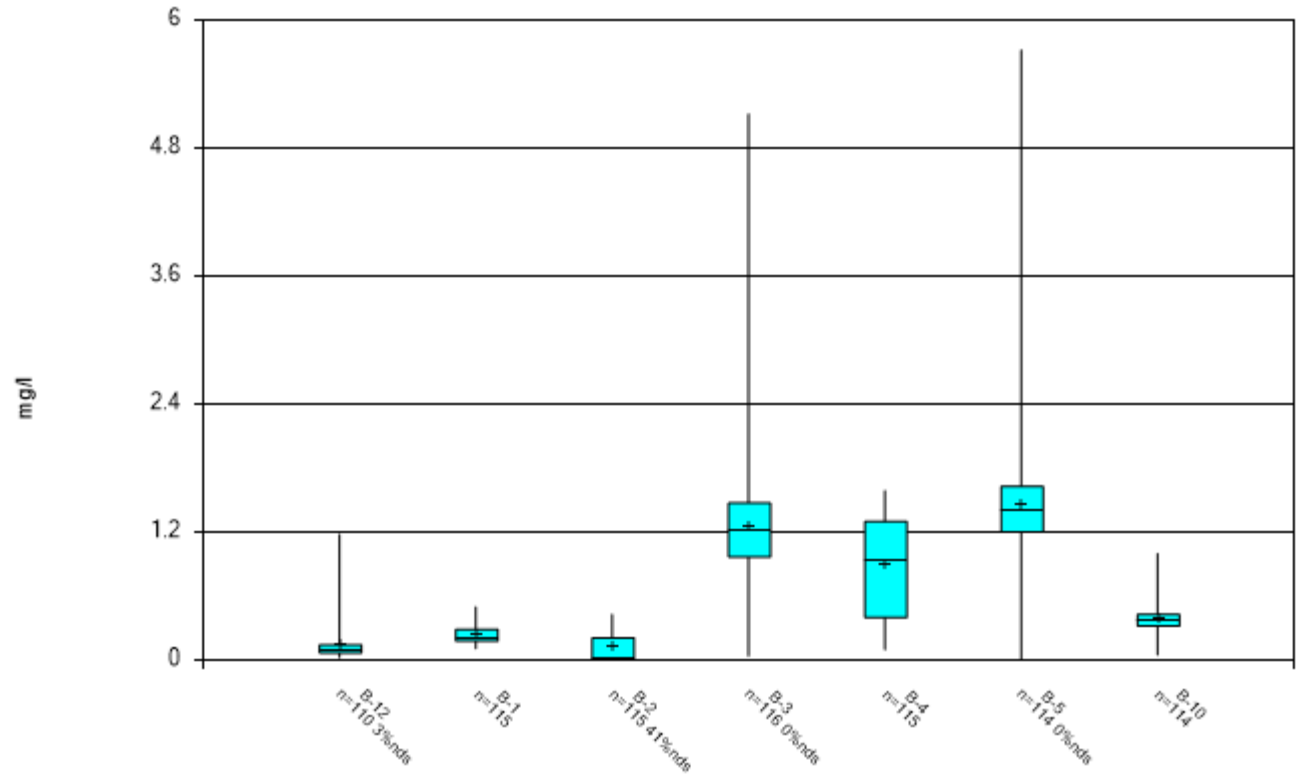


Constituent: Alkalinity Analysis Run 3/21/2025 12:54 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

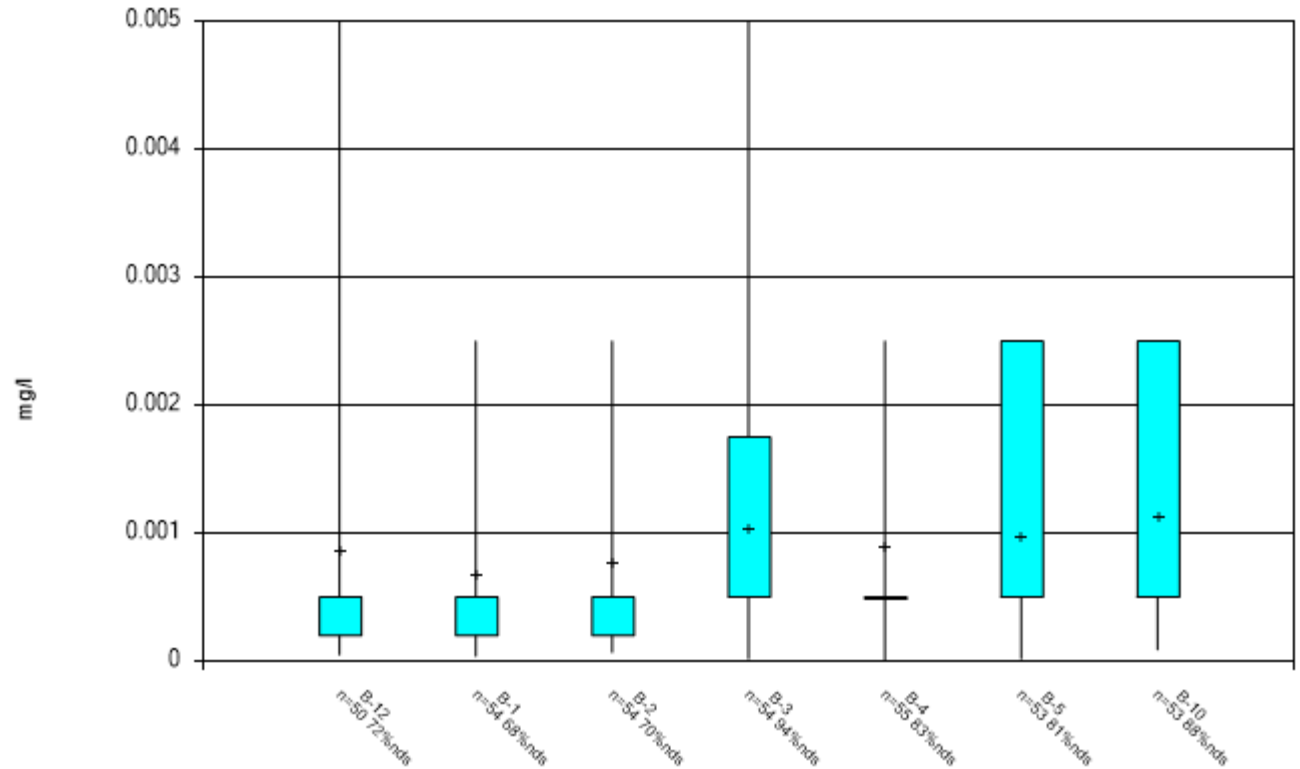


Constituent: Ammonia as nitrogen Analysis Run 3/21/2025 12:55 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

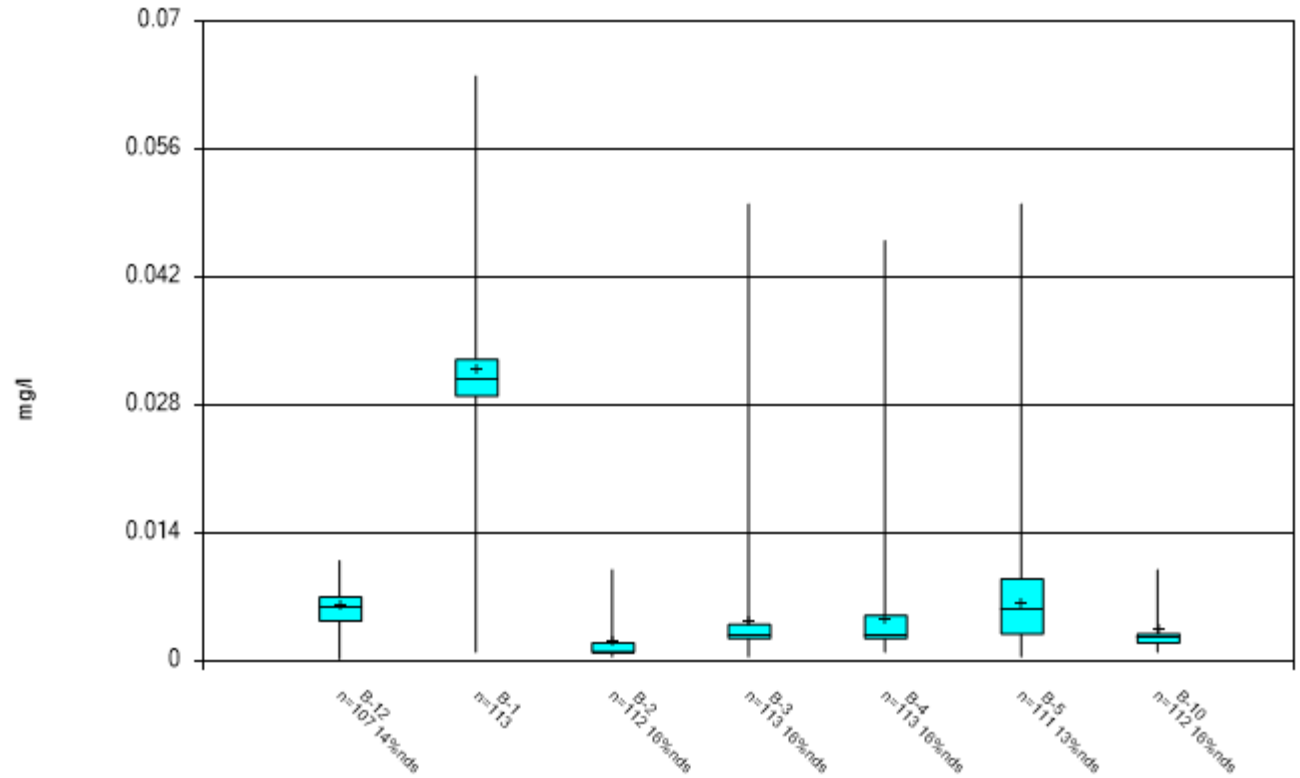


Constituent: ANTIMONY Analysis Run 3/21/2025 12:56 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

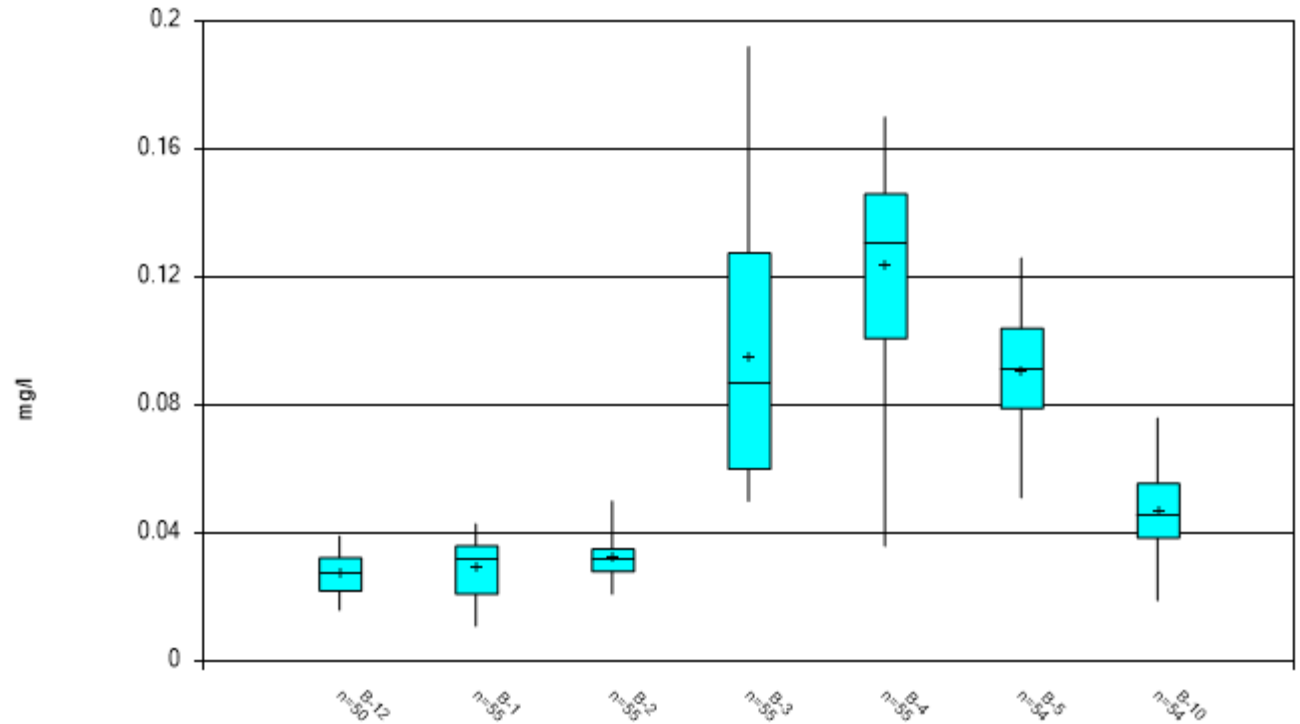


Constituent: Arsenic Analysis Run 3/21/2025 12:57 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

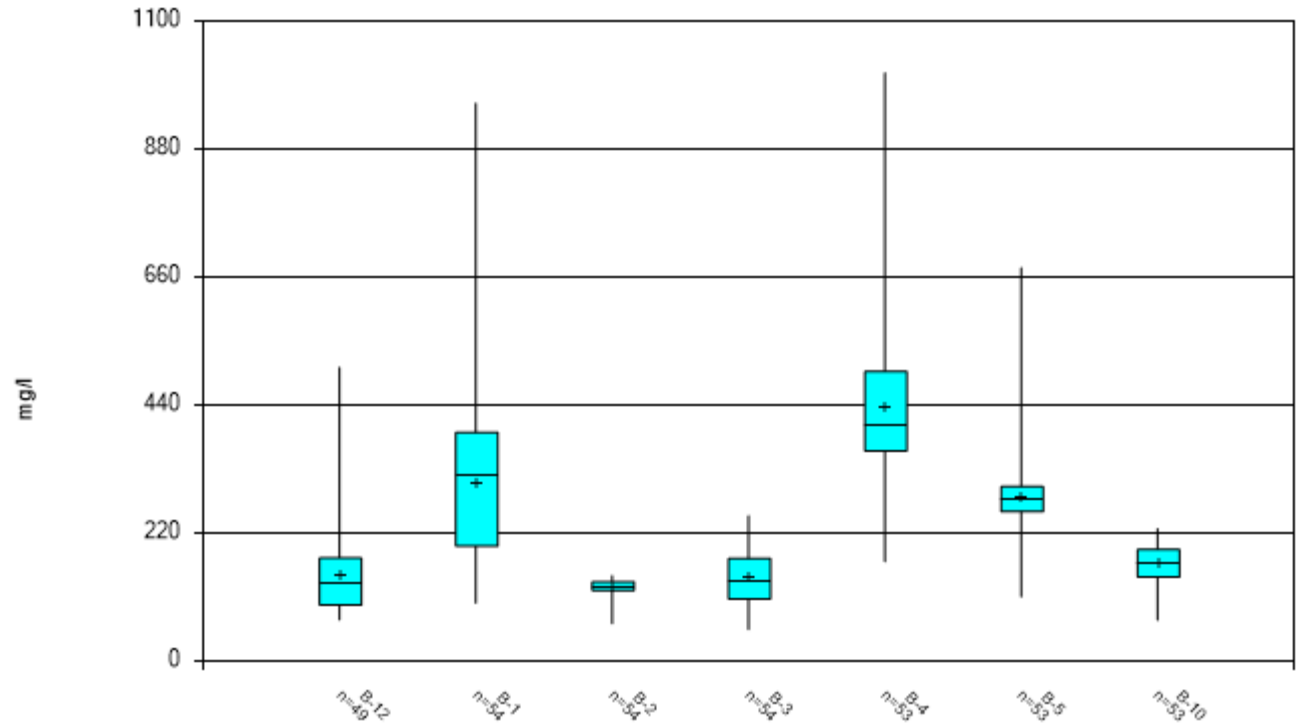


Constituent: BARIUM Analysis Run 3/21/2025 12:57 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

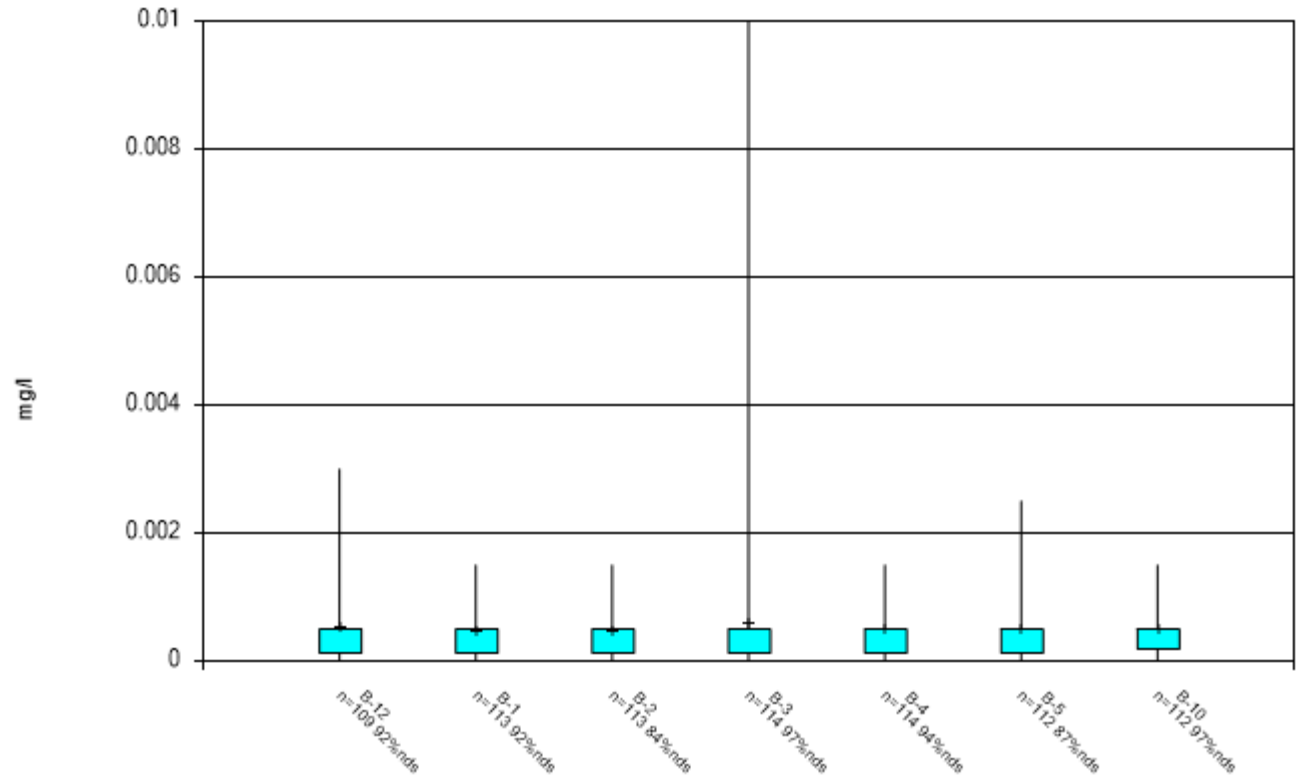


Constituent: Bicarbonate Analysis Run 3/21/2025 12:58 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

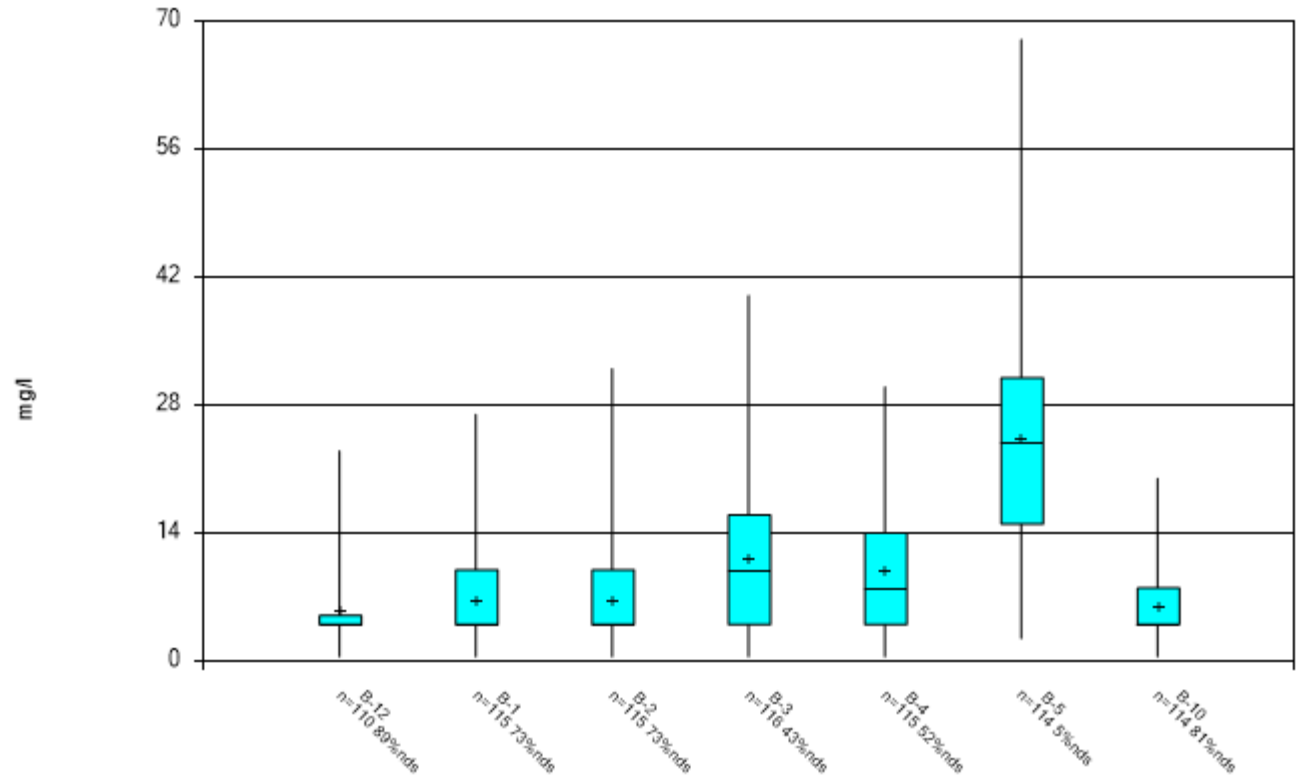


Constituent: Cadmium Analysis Run 3/21/2025 12:58 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

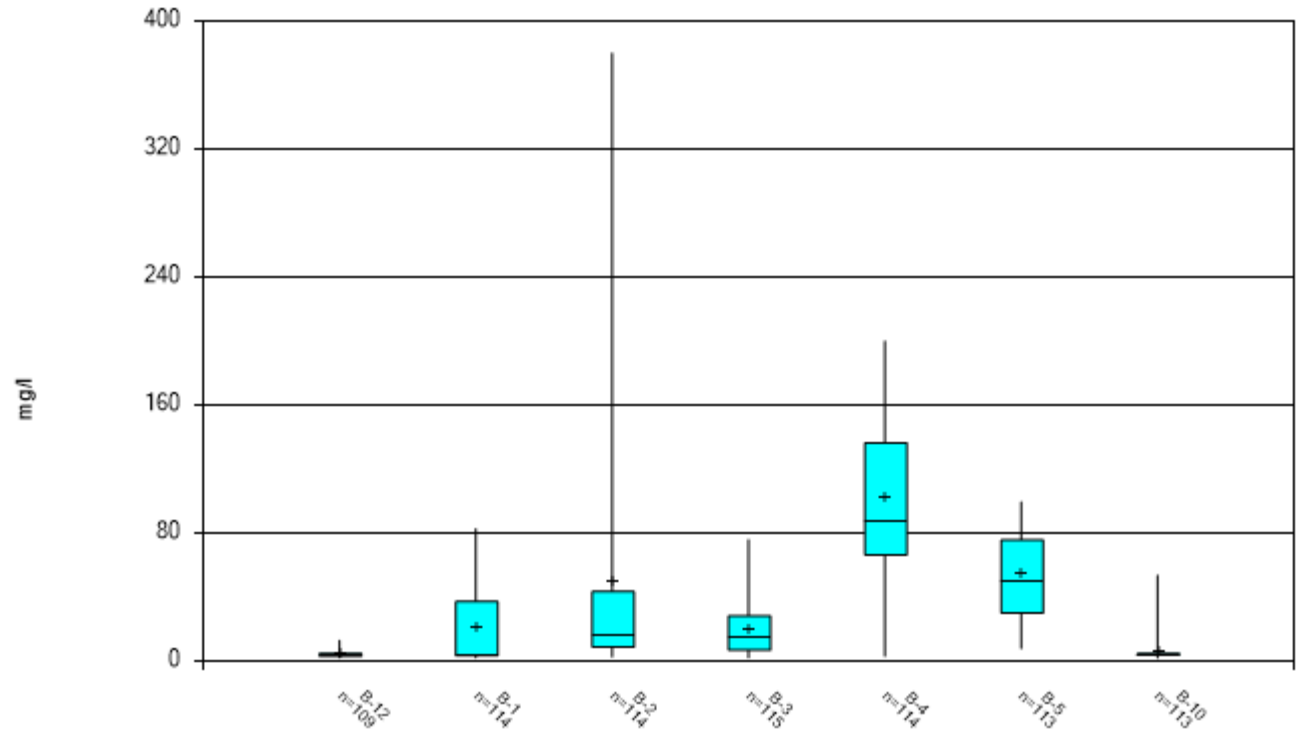


Constituent: Chemical Oxygen Demand Analysis Run 3/21/2025 12:59 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

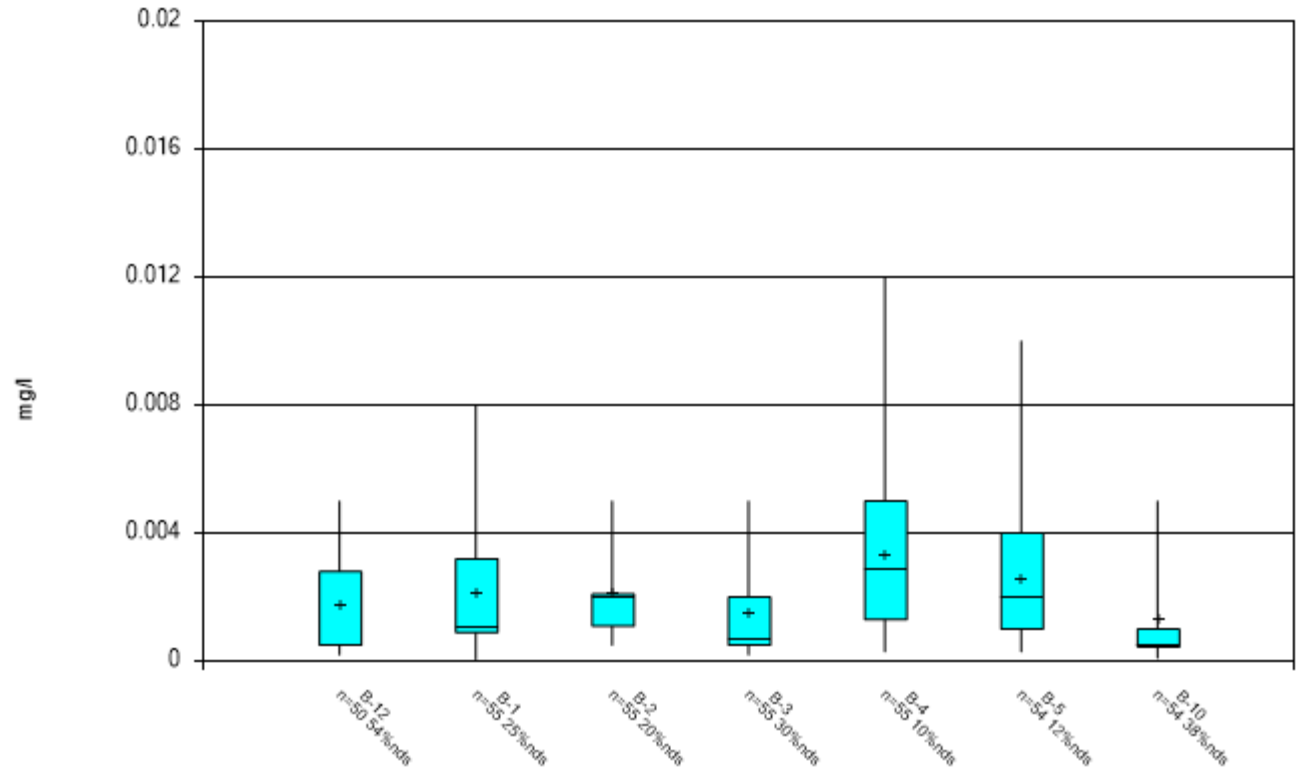


Constituent: Chloride Analysis Run 3/21/2025 12:59 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

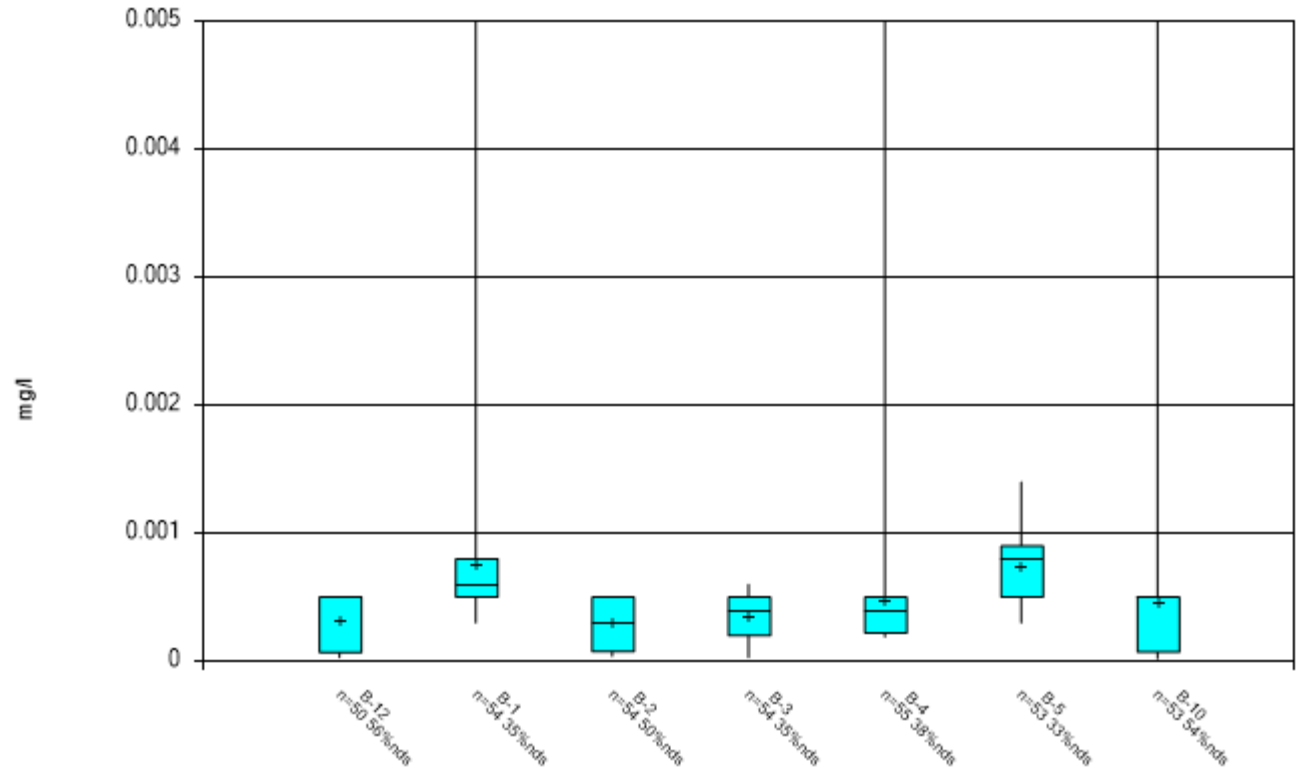


Constituent: Chromium Analysis Run 3/21/2025 12:59 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

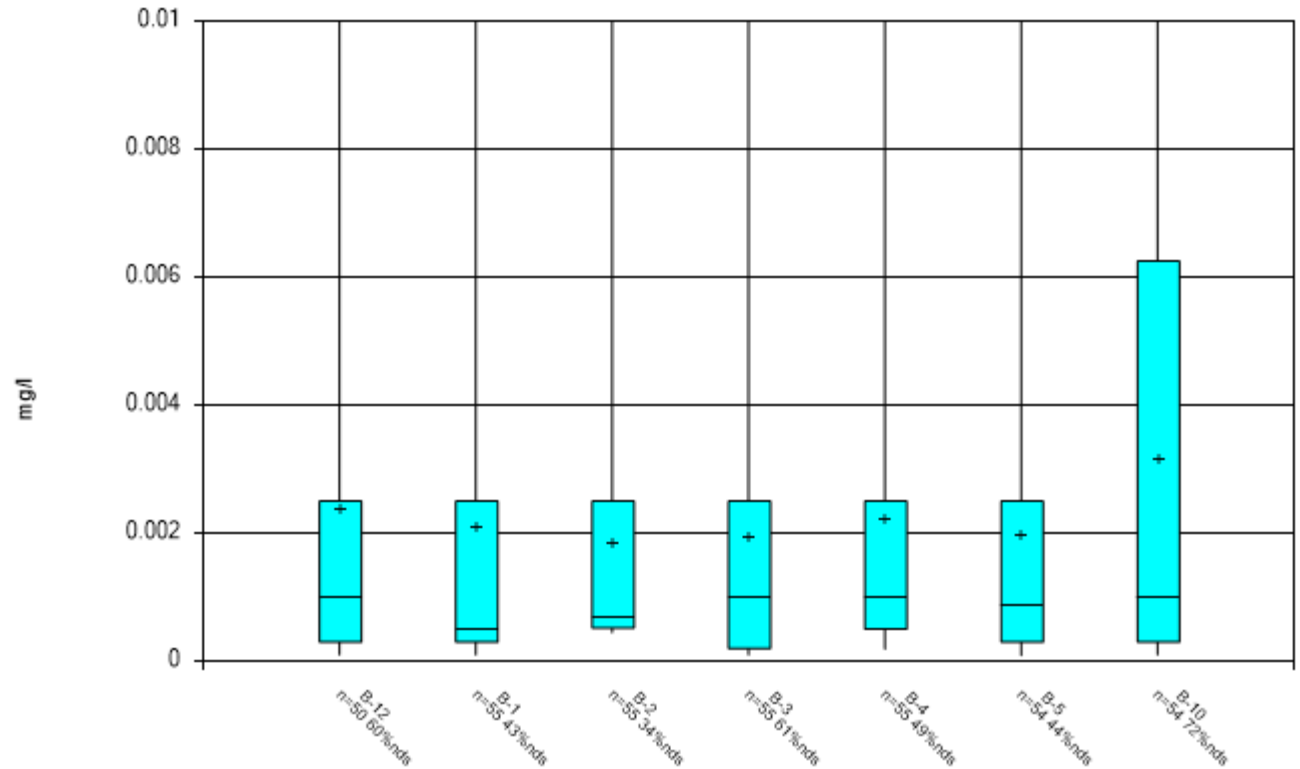


Constituent: COBALT Analysis Run 3/21/2025 12:59 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

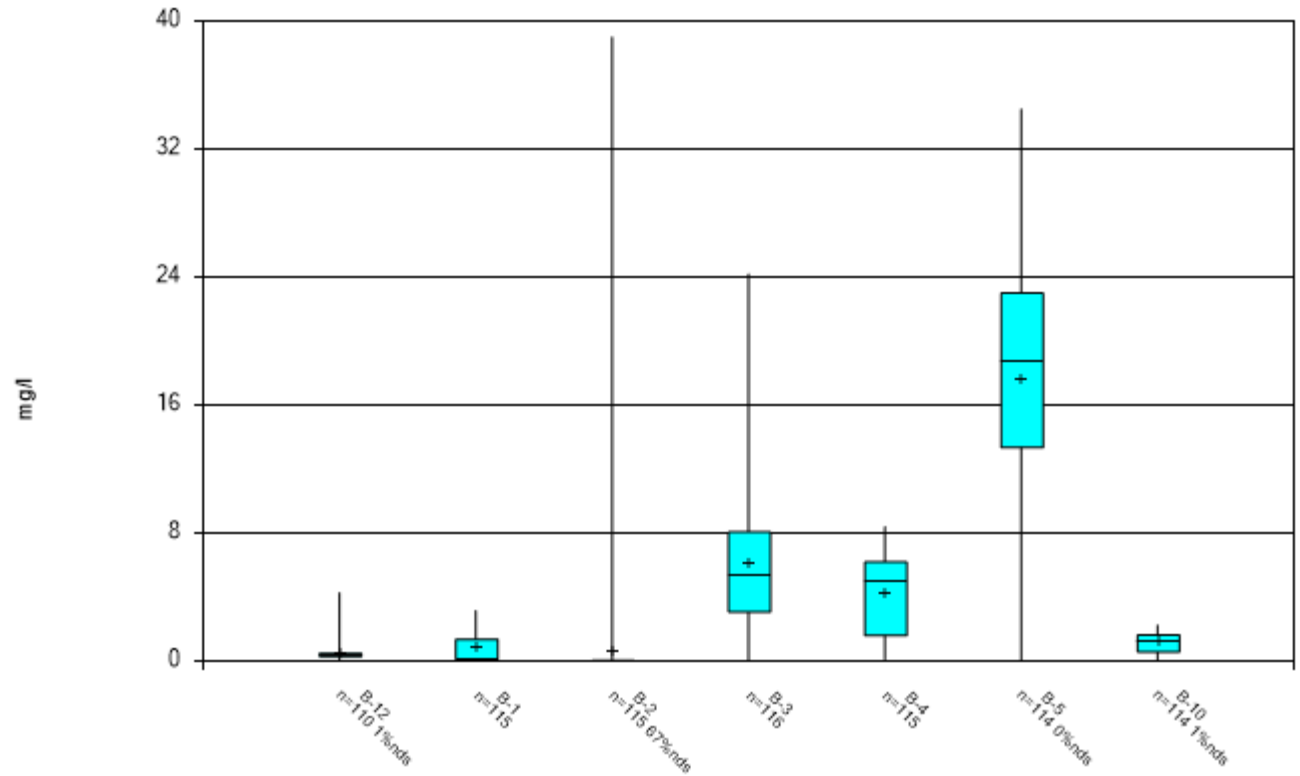


Constituent: Copper Analysis Run 3/21/2025 1:00 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

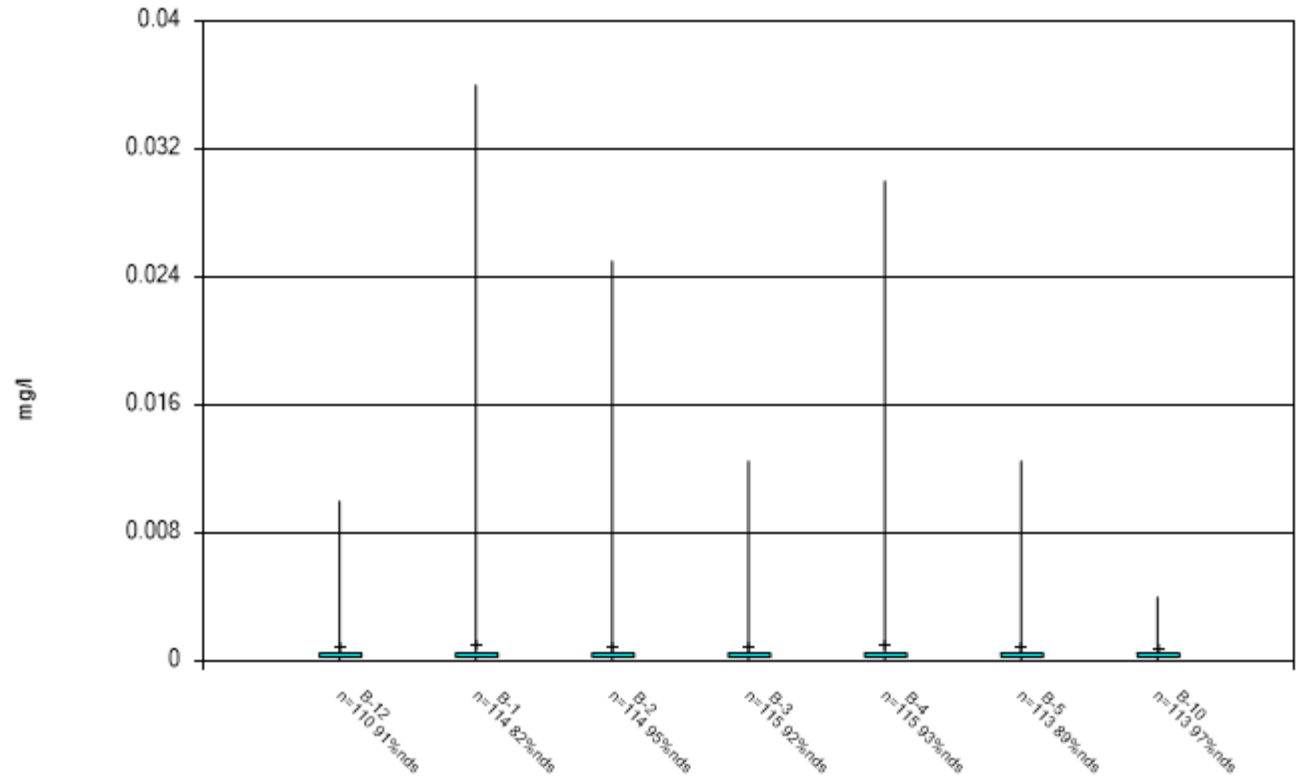


Constituent: Iron Analysis Run 3/21/2025 1:00 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

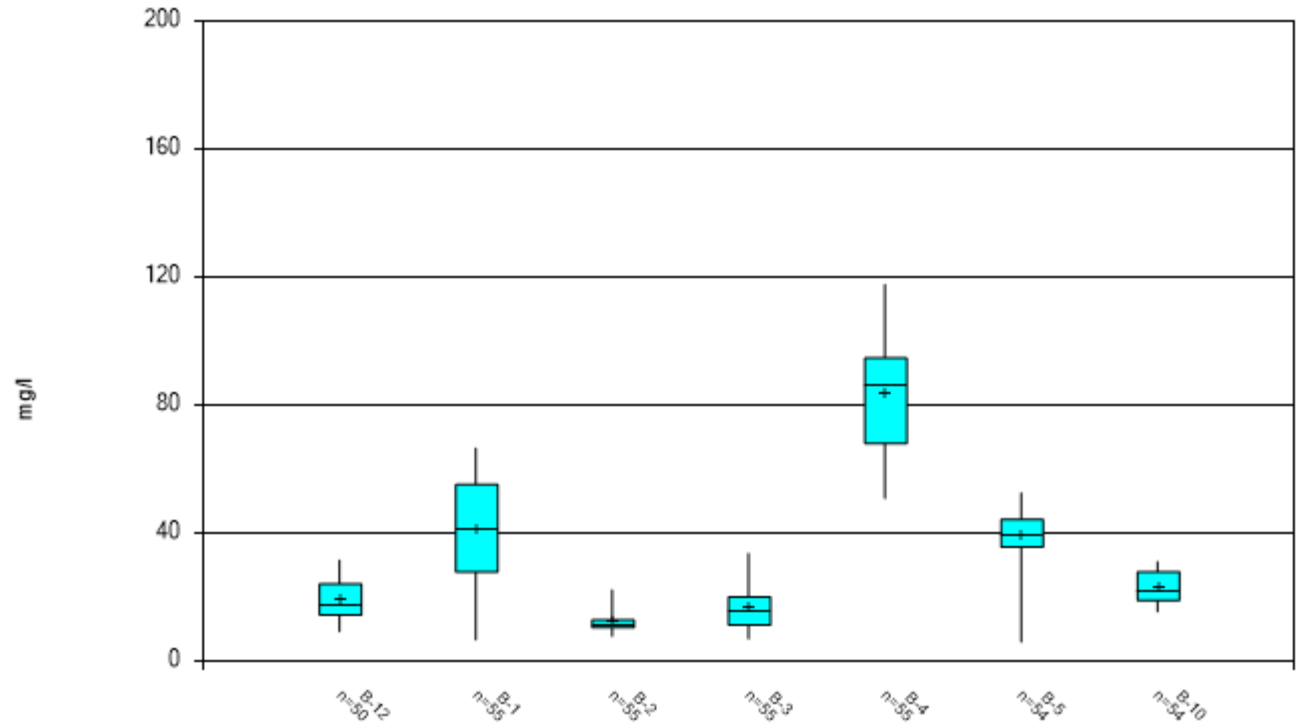


Constituent: Lead Analysis Run 3/21/2025 1:00 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

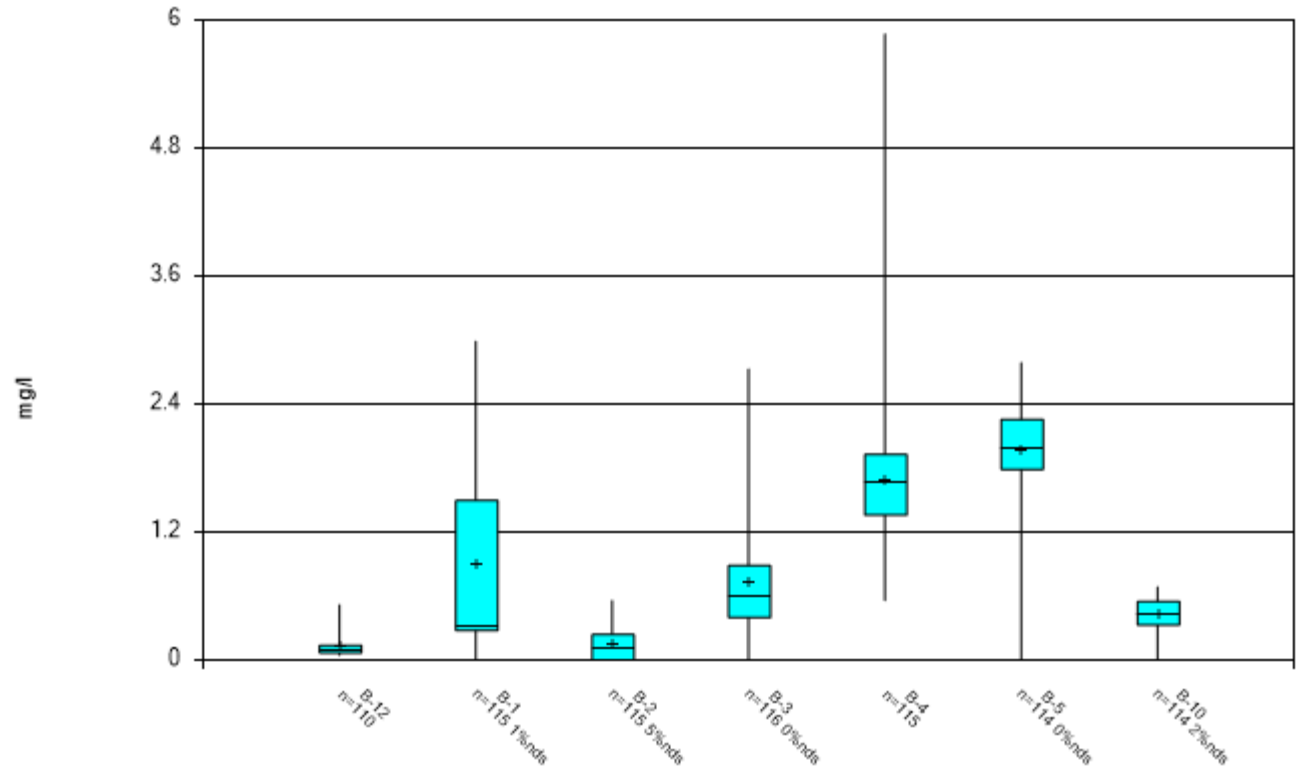


Constituent: MAGNESIUM Analysis Run 3/21/2025 1:01 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

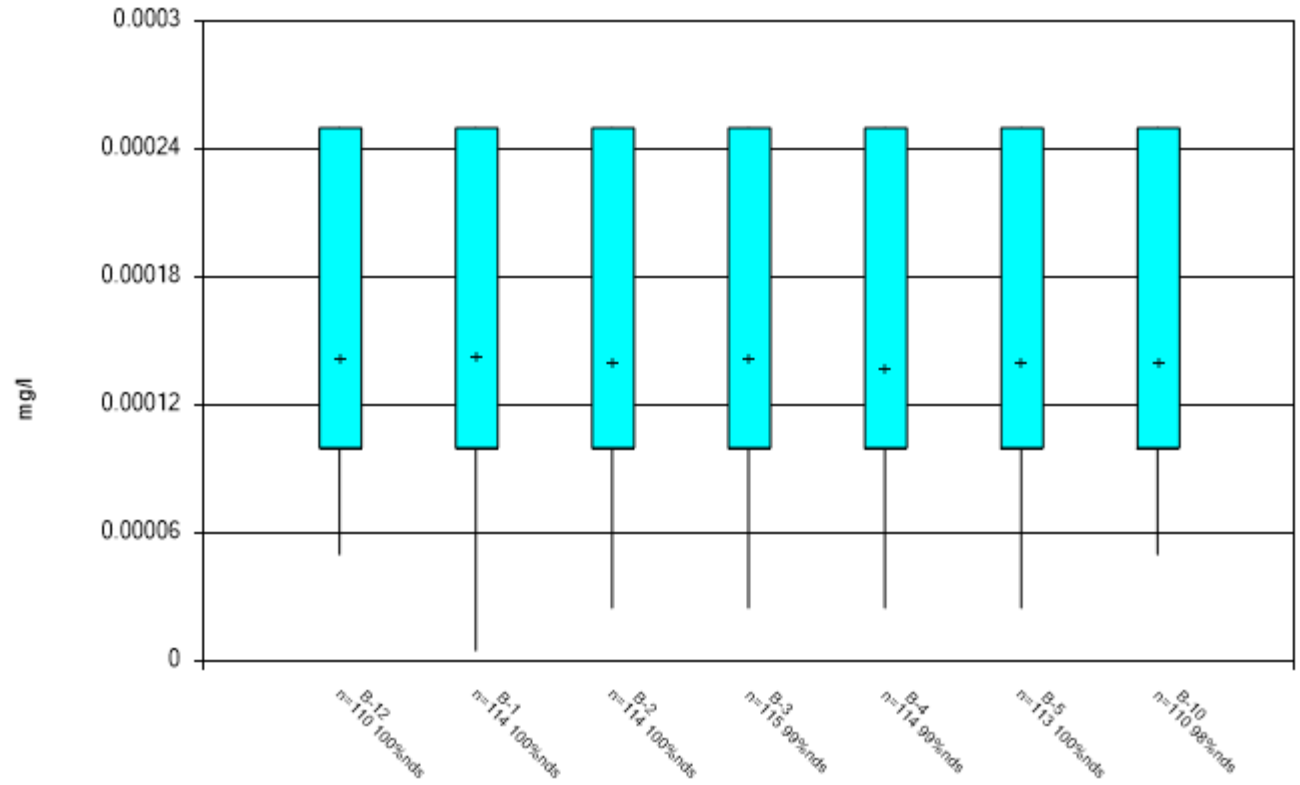


Constituent: Manganese Analysis Run 3/21/2025 1:01 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

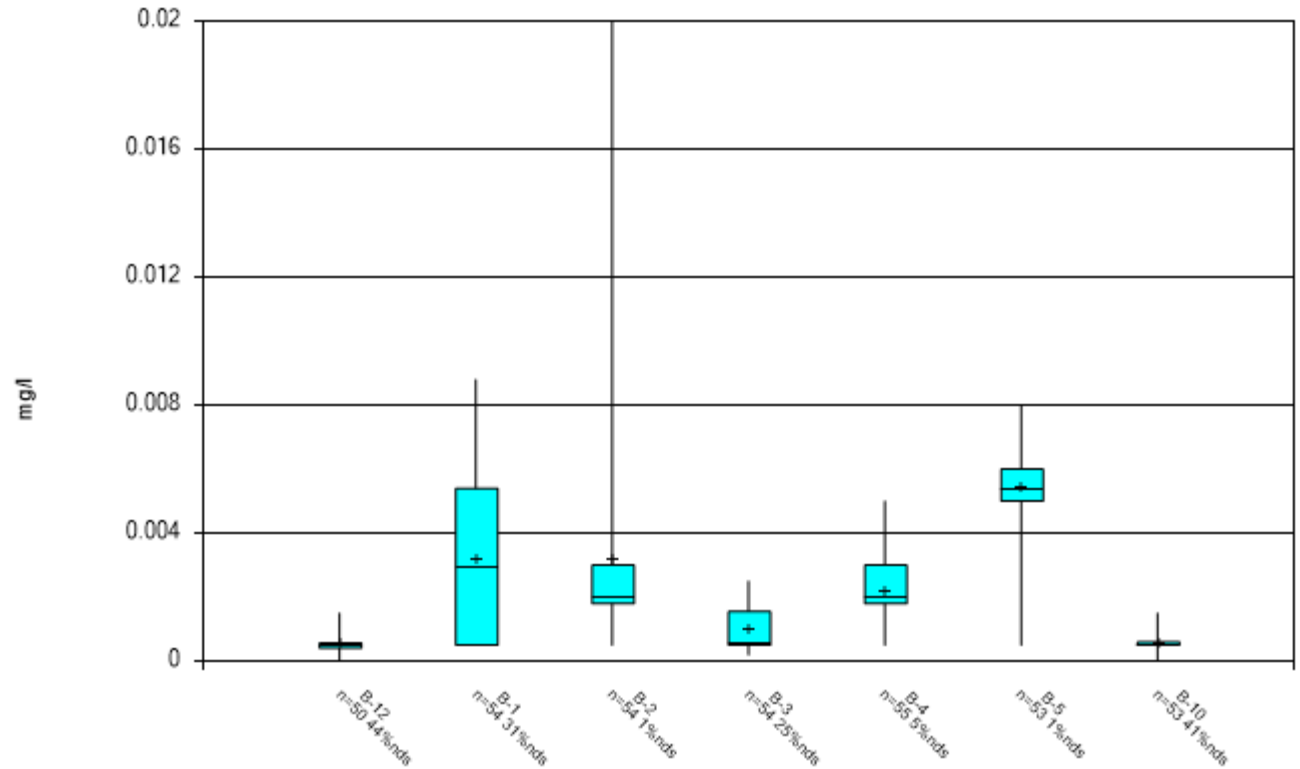


Constituent: Mercury Analysis Run 3/21/2025 1:02 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

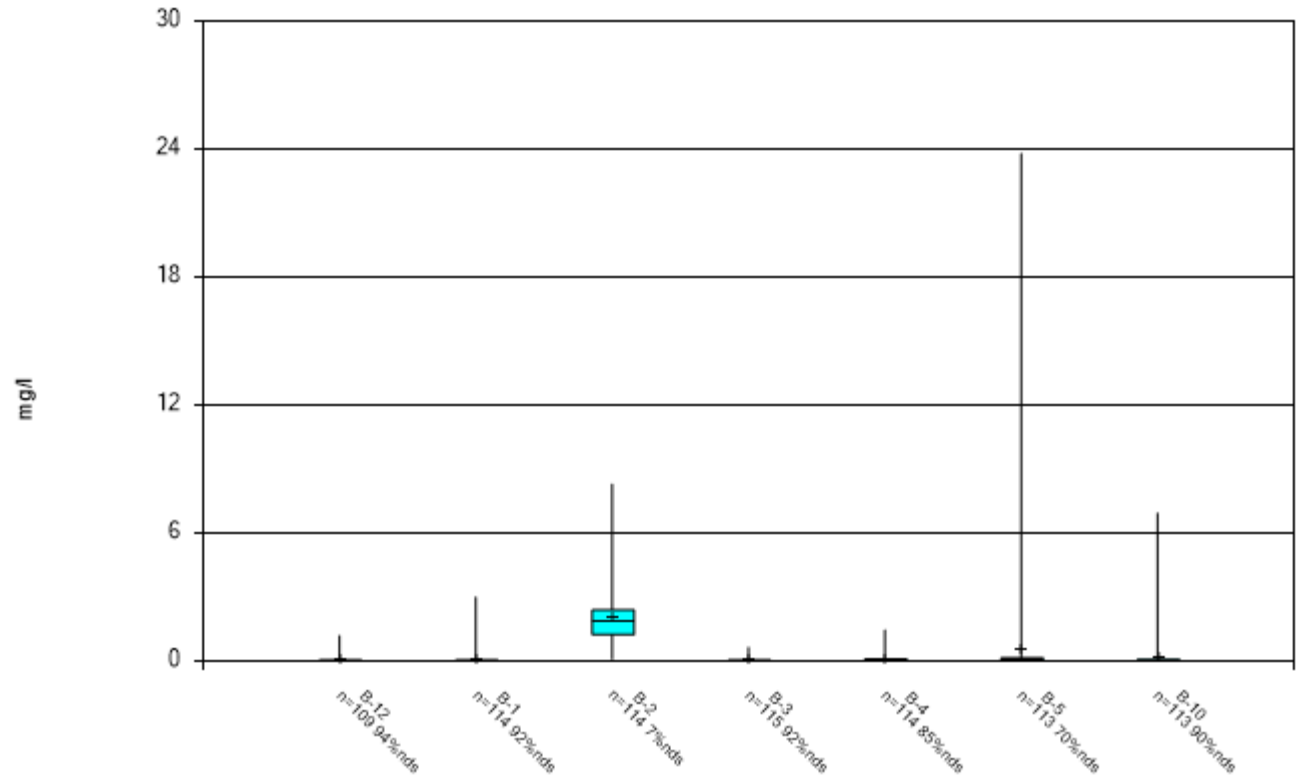


Constituent: Nickel Analysis Run 3/21/2025 1:02 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

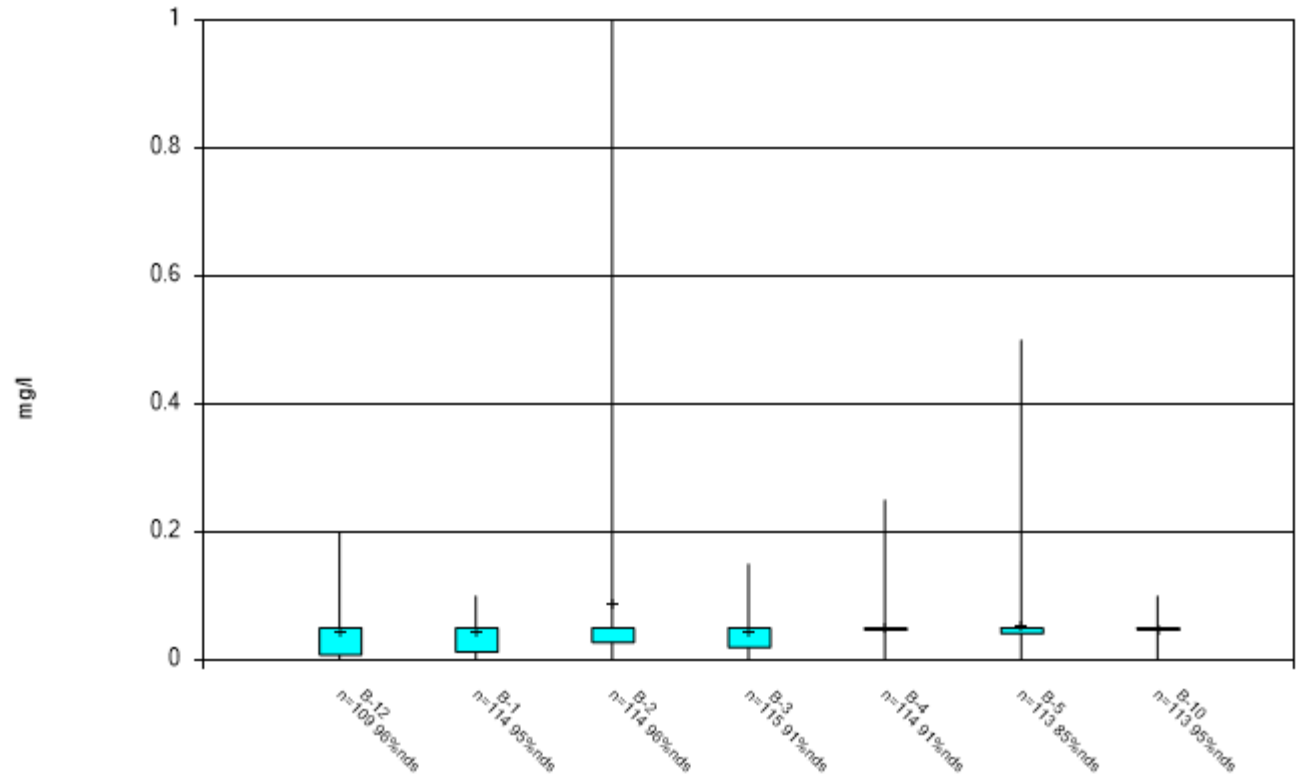


Constituent: Nitrate as nitrogen Analysis Run 3/21/2025 1:02 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

Sanitas™ v.9.6.37 Software licensed to Skagit County, Washington. EPA

Box & Whiskers Plot

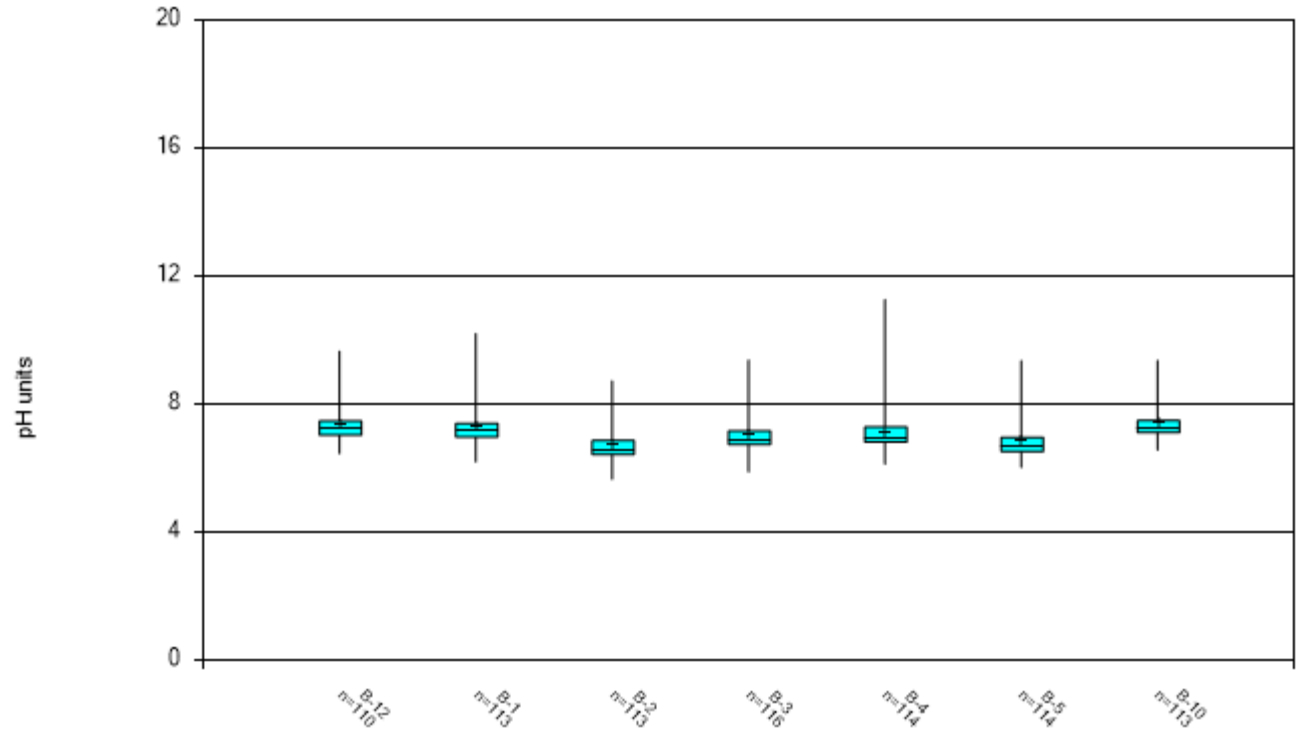


Constituent: Nitrite as nitrogen Analysis Run 3/21/2025 1:03 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

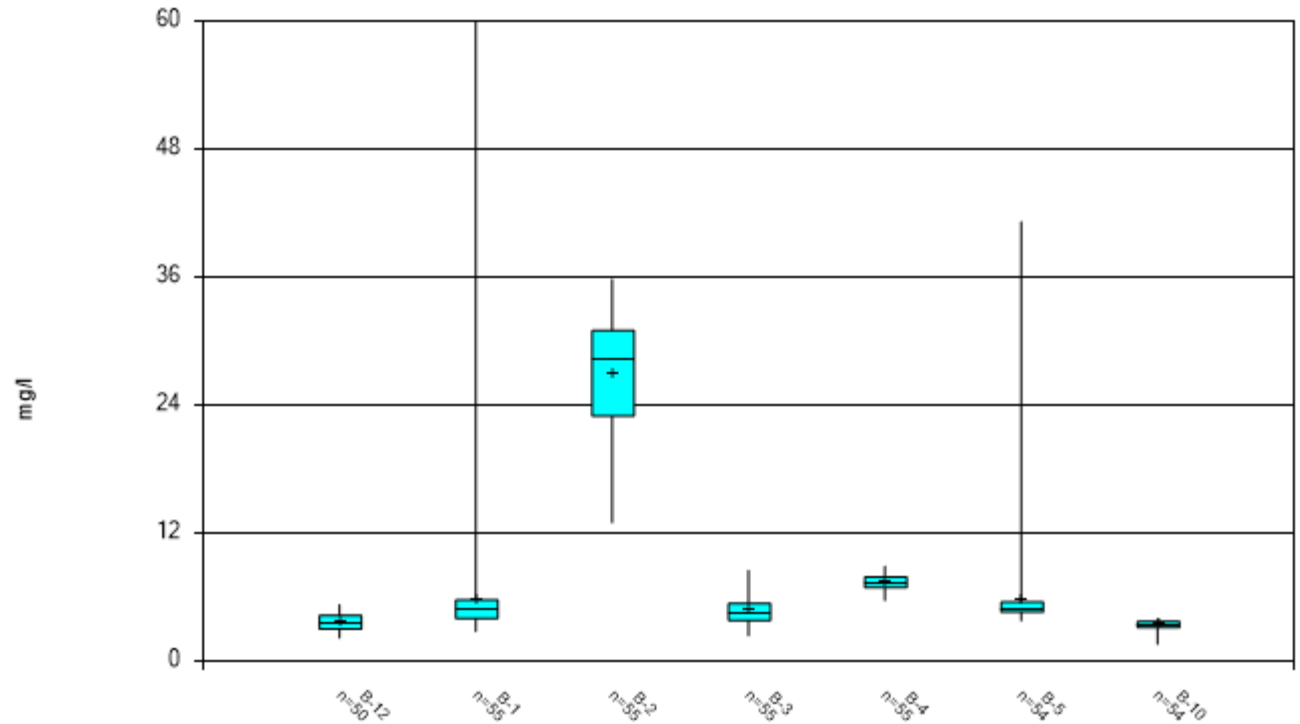


Constituent: pH Analysis Run 3/21/2025 1:03 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

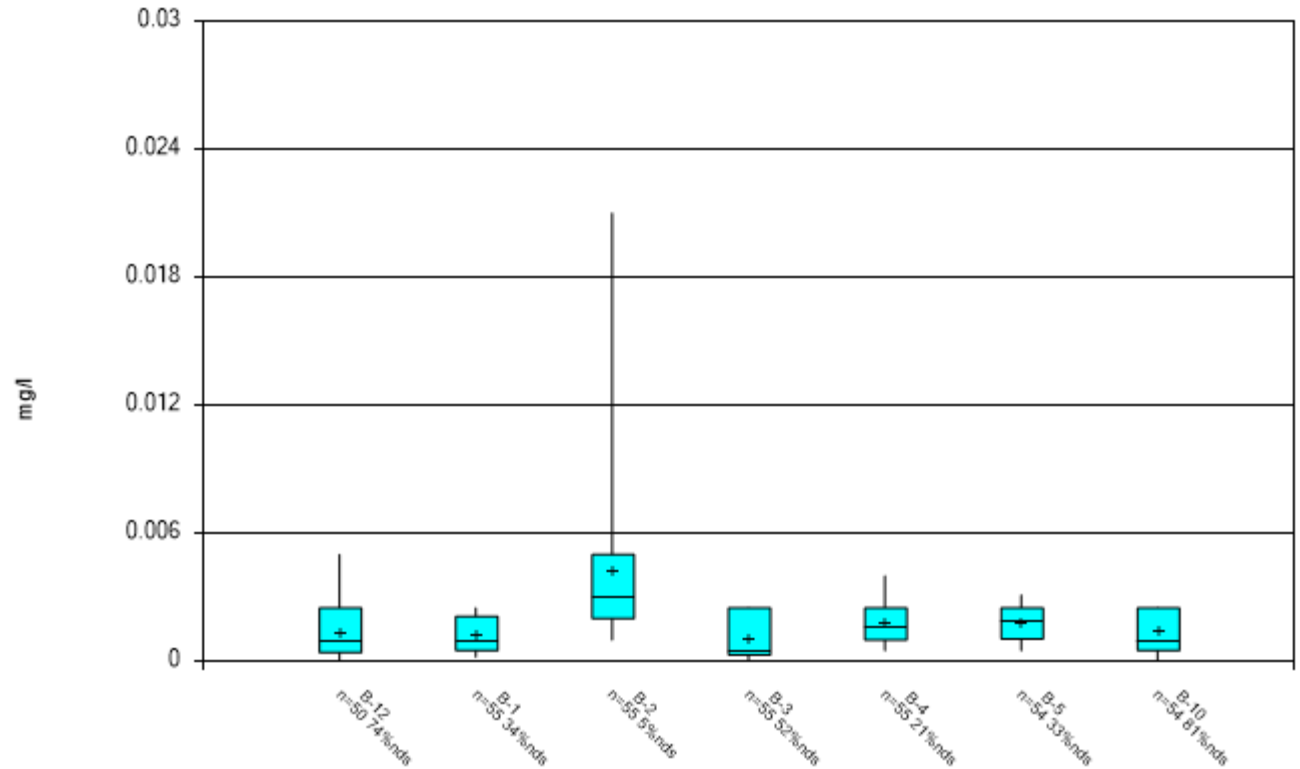


Constituent: Potassium Analysis Run 3/21/2025 1:04 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

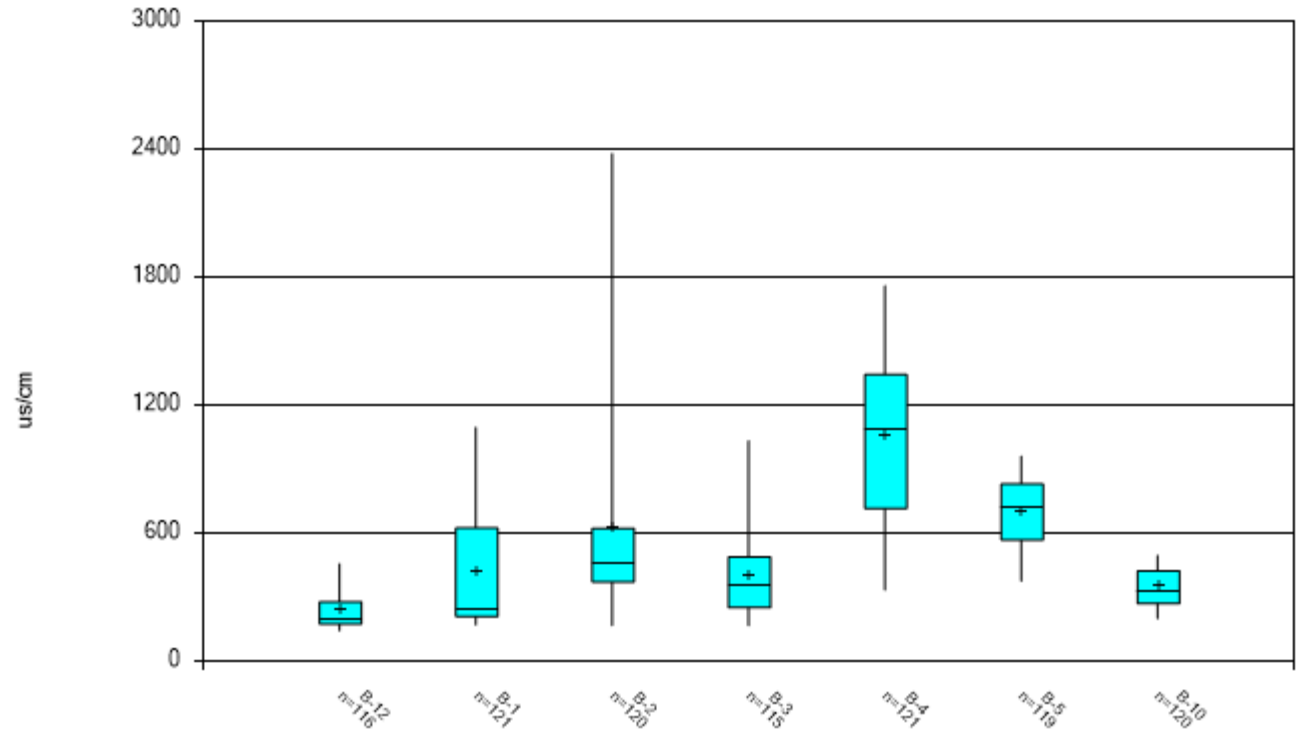


Constituent: Selenium Analysis Run 3/21/2025 1:04 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

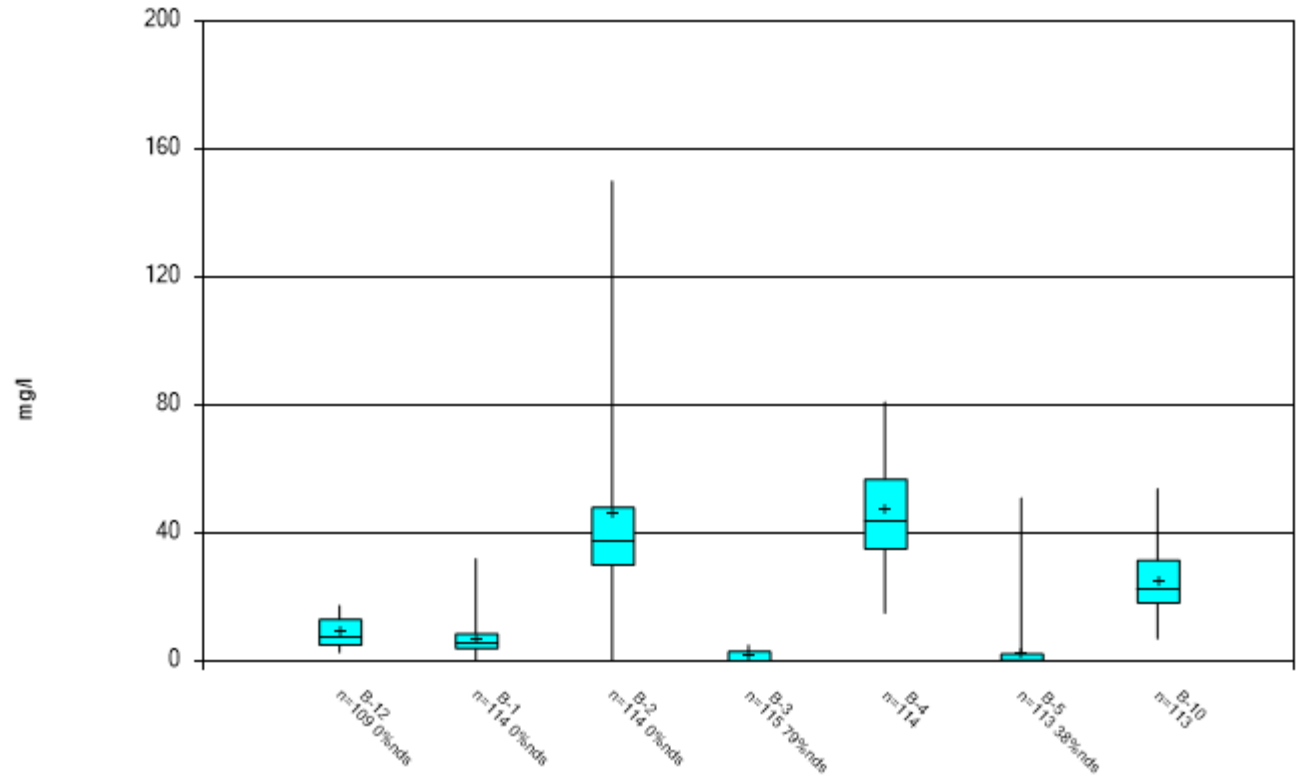


Constituent: Specific Conductance Analysis Run 3/21/2025 1:05 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

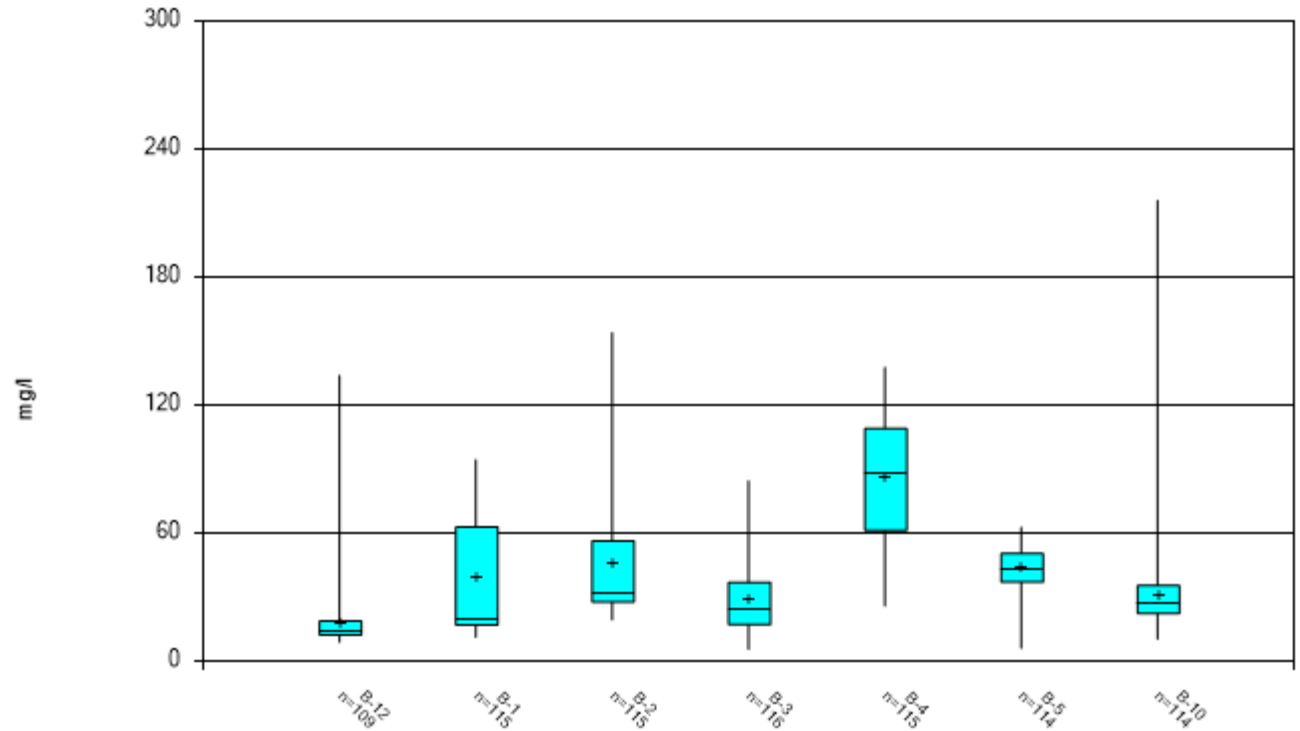


Constituent: Sulfate Analysis Run 3/21/2025 1:05 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

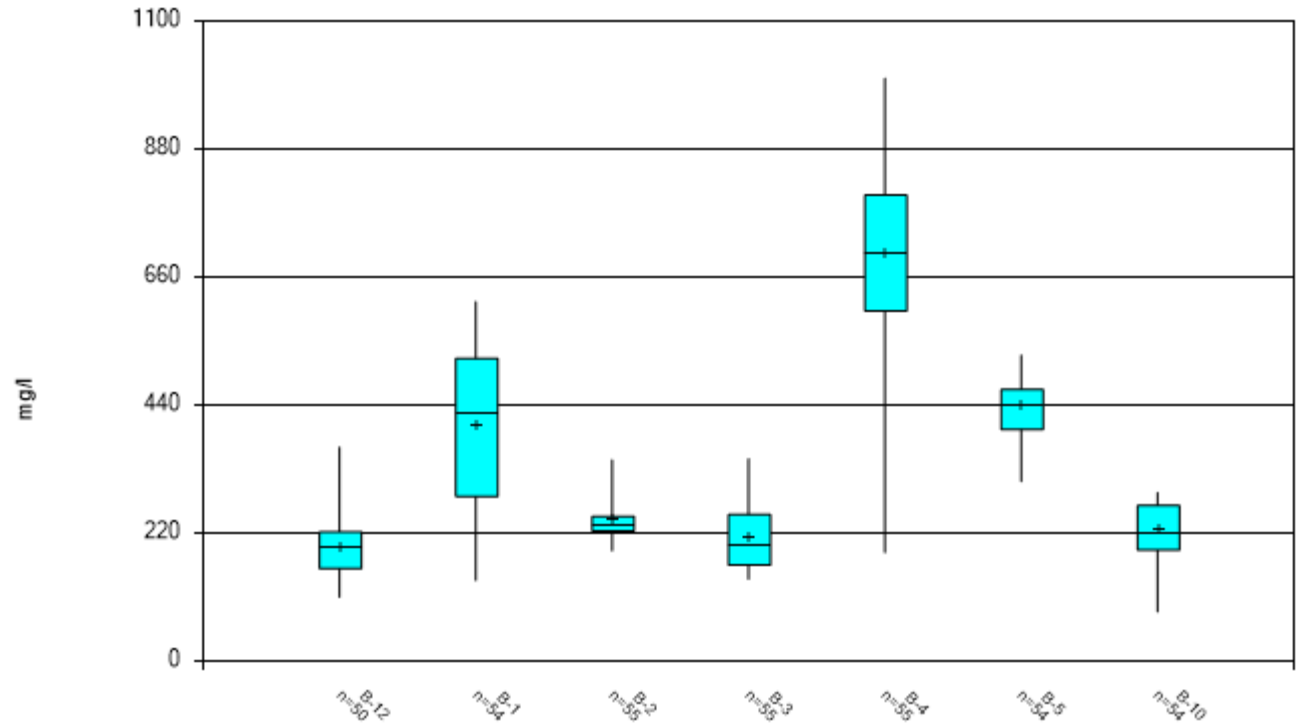


Constituent: Total Calcium Analysis Run 3/21/2025 1:06 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

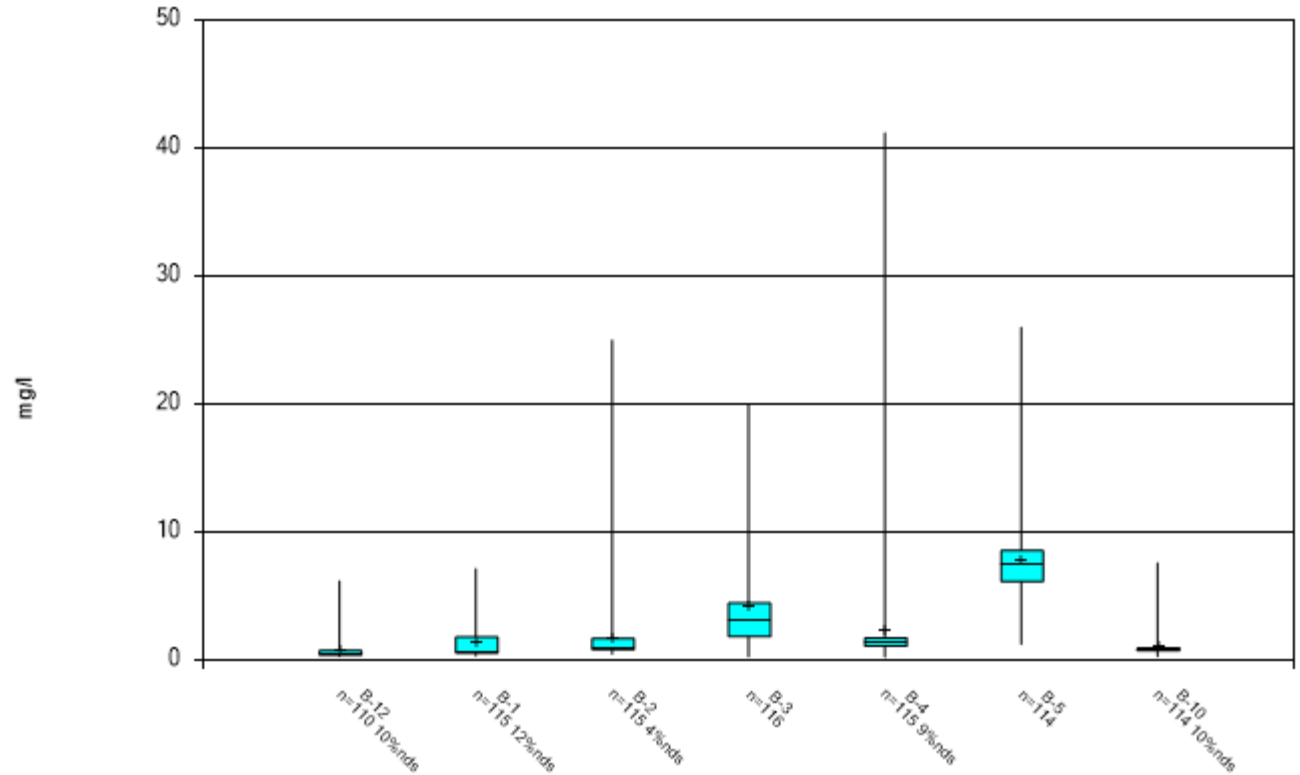


Constituent: Total Dissolved Solids Analysis Run 3/21/2025 1:06 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

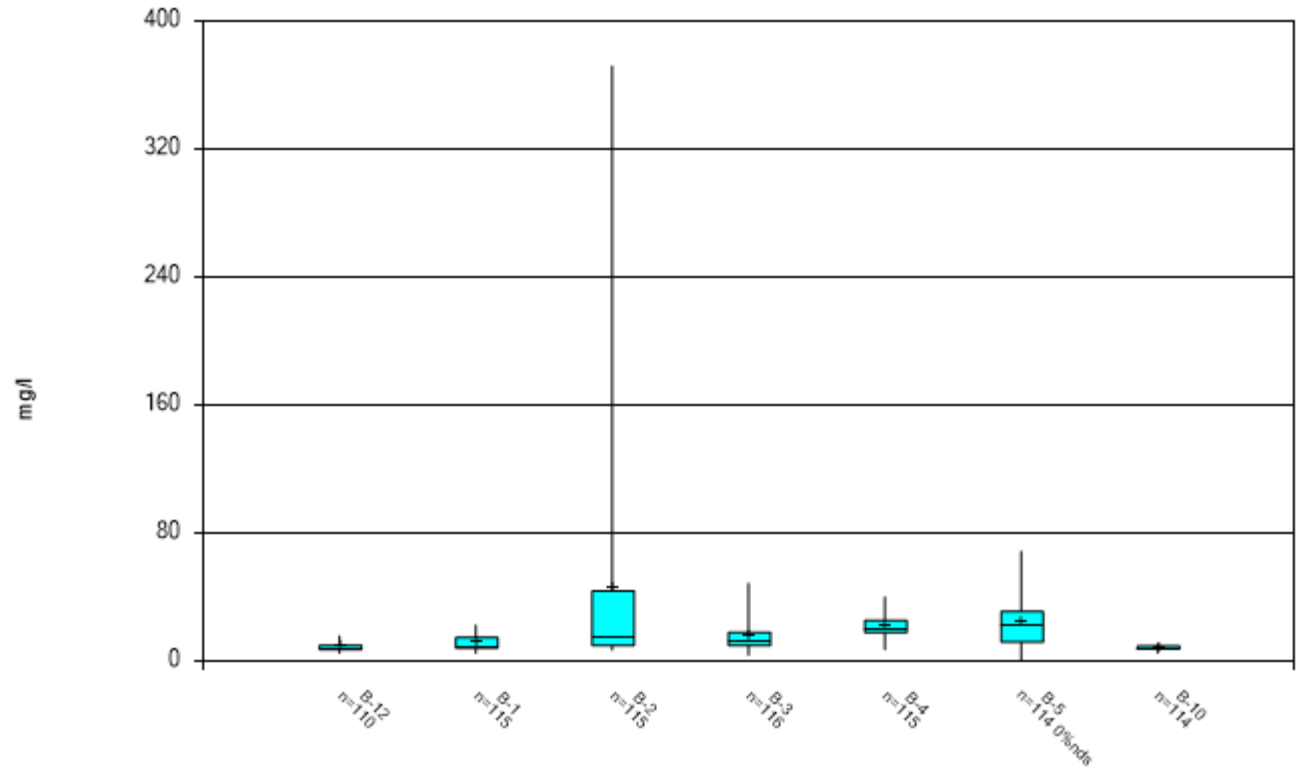


Constituent: Total Organic Carbon Analysis Run 3/21/2025 1:06 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

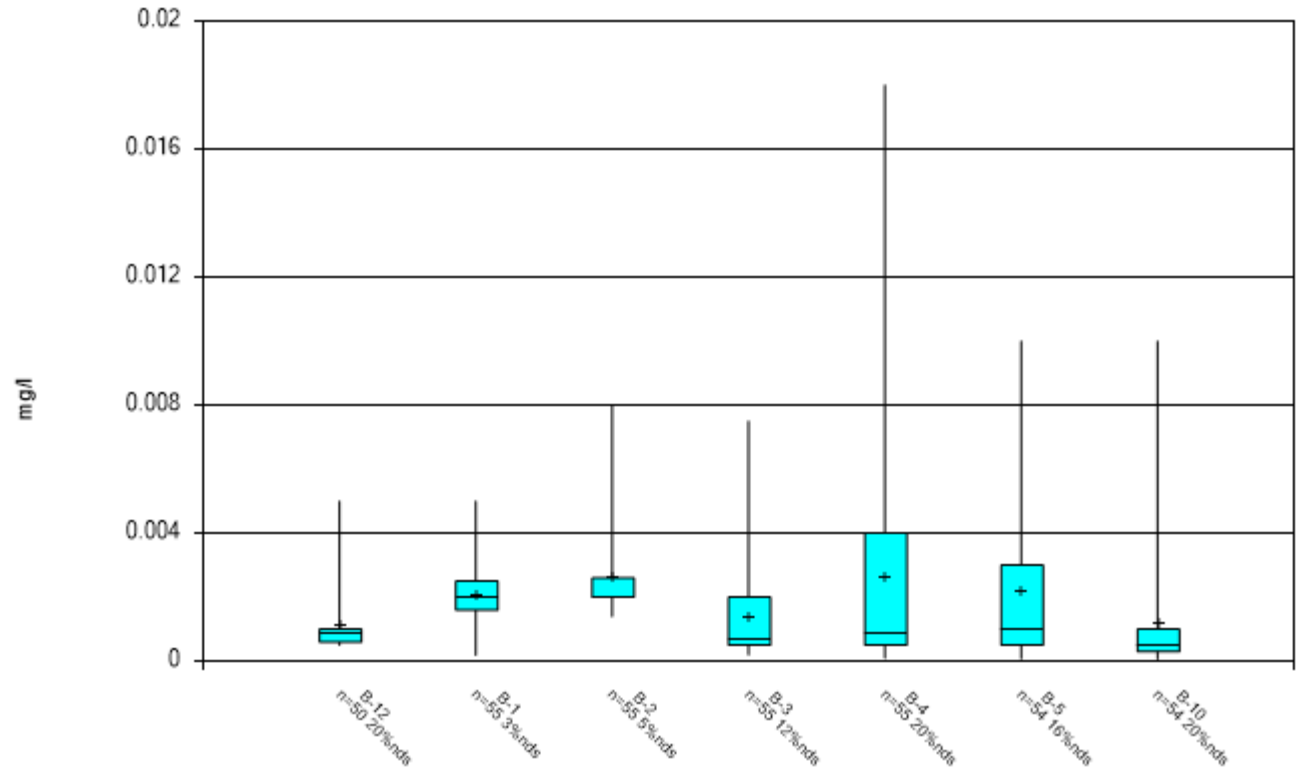


Constituent: Total Sodium Analysis Run 3/21/2025 1:07 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

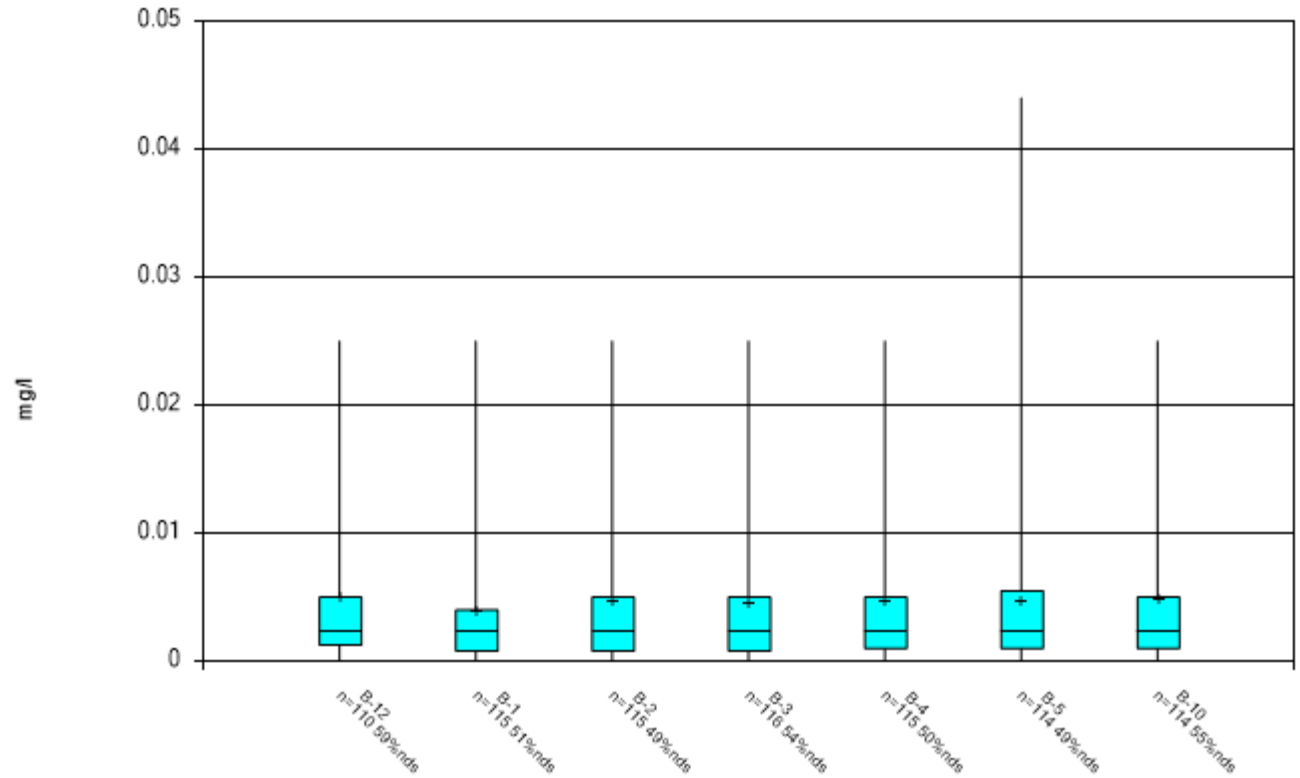


Constituent: VANADIUM [FUME OR DUST] Analysis Run 3/21/2025 1:07 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

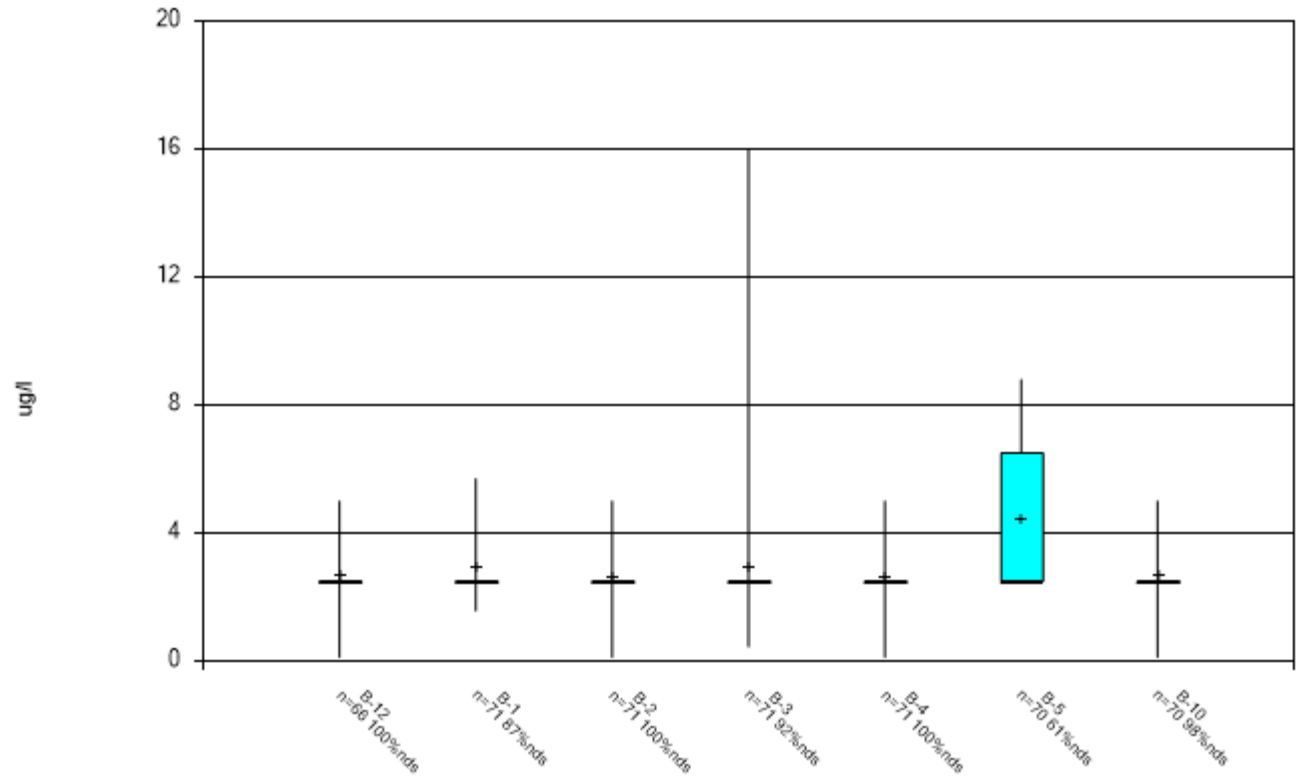


Constituent: Zinc Analysis Run 3/21/2025 1:07 PM

Skagit County Public Works Client: Skagit County Data: inman inorganics results1994-2024

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Box & Whiskers Plot

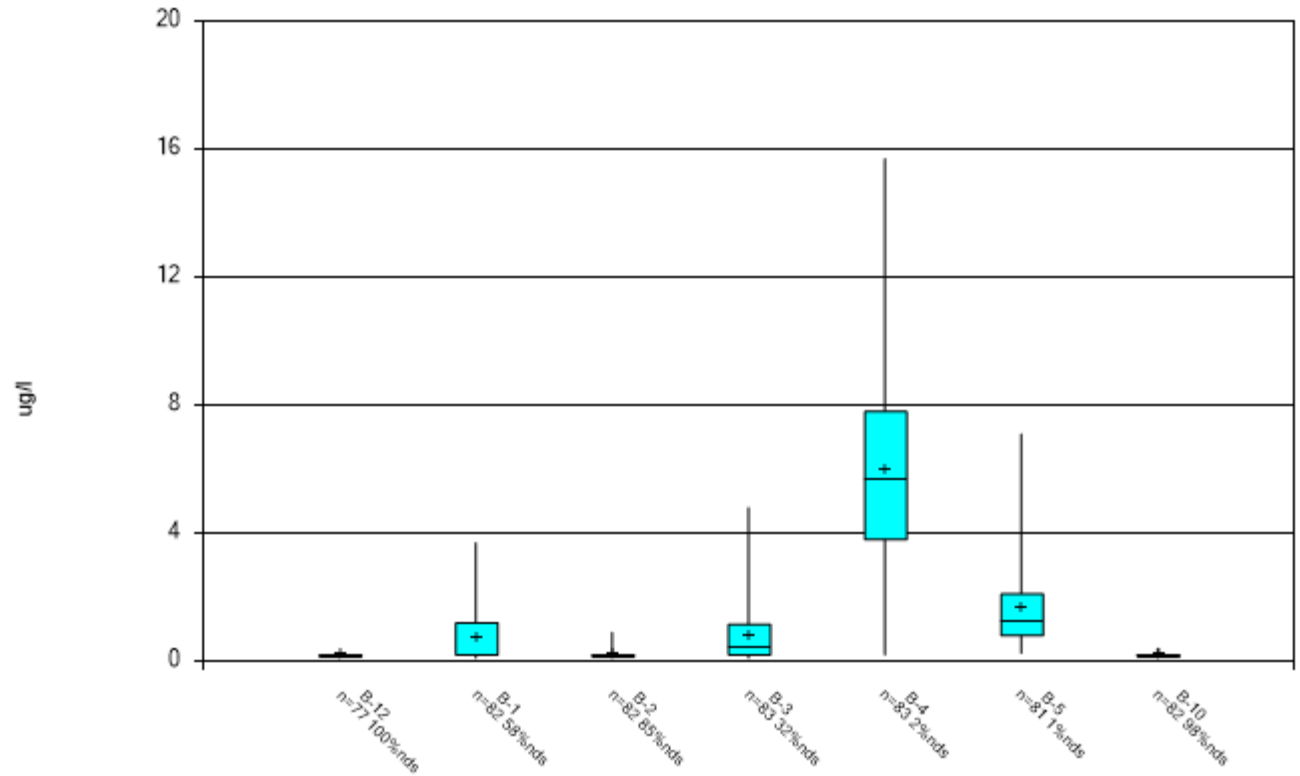


Constituent: 1,4-dioxane Analysis Run 3/21/2025 2:38 PM

Skagit County Public Works Client: Skagit County Data: inman select voc results 1994-2024

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Box & Whiskers Plot

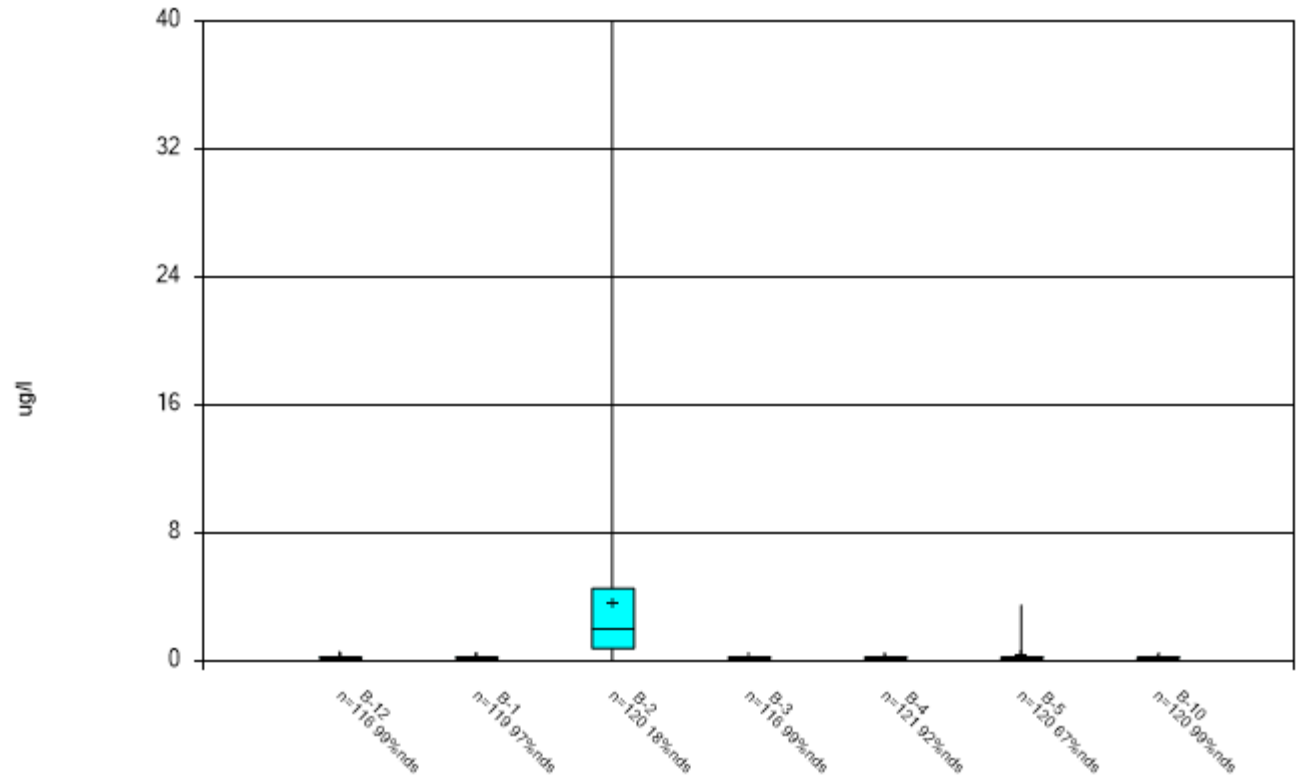


Constituent: Chlorodifluoromethane [Freon 22] Analysis Run 3/21/2025 2:38 PM

Skagit County Public Works Client: Skagit County Data: inman select voc results 1994-2024

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Box & Whiskers Plot

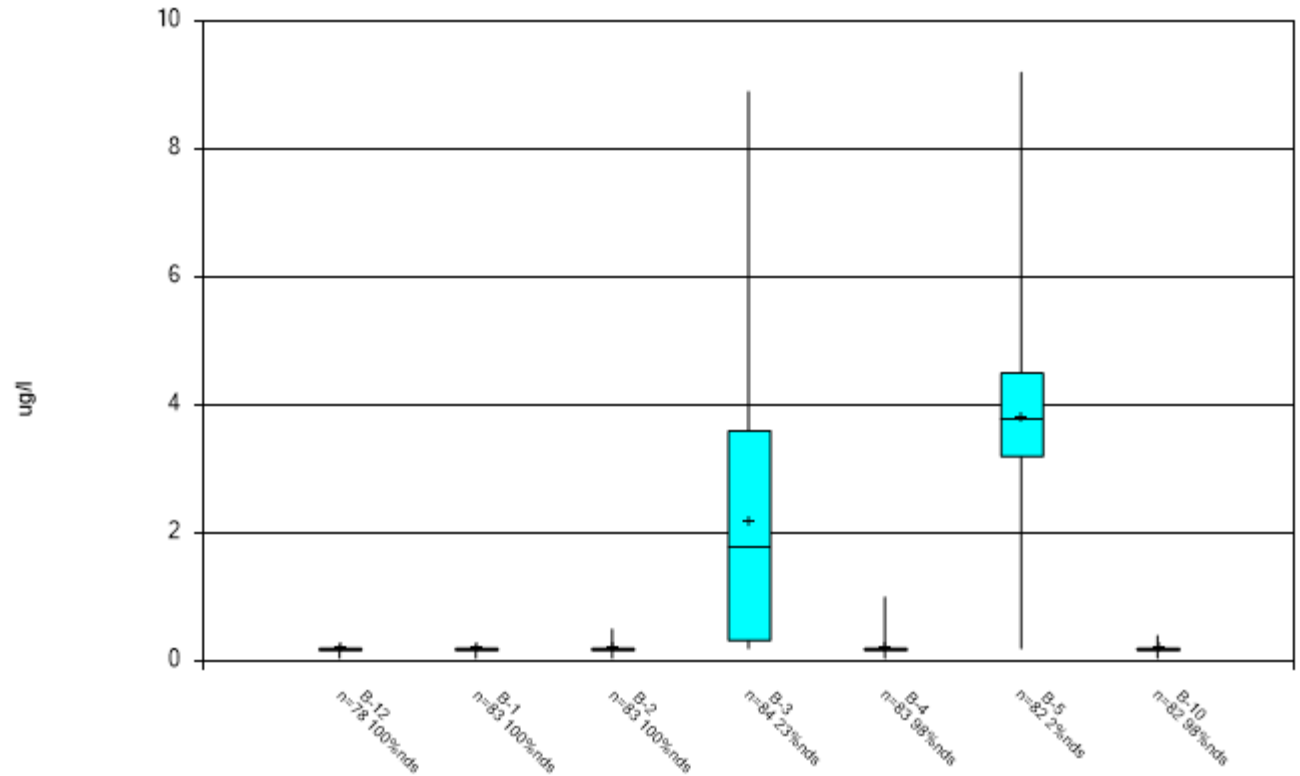


Constituent: Dichlorodifluoromethane [CFC-12] Analysis Run 3/21/2025 2:39 PM

Skagit County Public Works Client: Skagit County Data: inman select voc results 1994-2024

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Box & Whiskers Plot

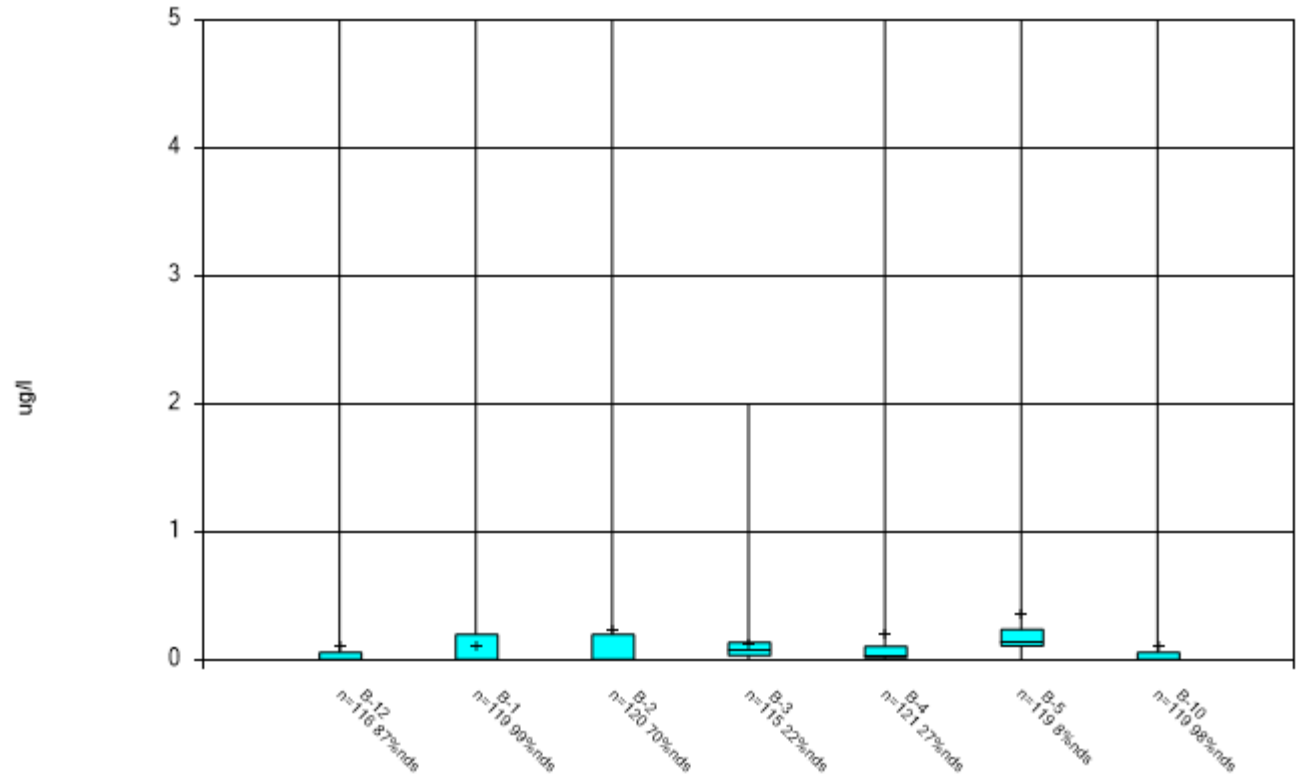


Constituent: Diethyl ether Analysis Run 3/21/2025 2:39 PM

Skagit County Public Works Client: Skagit County Data: inman select voc results 1994-2024

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Box & Whiskers Plot



Constituent: Vinyl chloride Analysis Run 3/21/2025 2:39 PM

Skagit County Public Works Client: Skagit County Data: inman select voc results 1994-2024

APPENDIX E-4
Long-Term Mann-Kendall Trend Tests 1994-2024 – Upper Regional Aquifer

Long-Term Mann-Kendall Trend Tests 1994-2024
Upper Regional Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Significance Level
1,4-dioxane	ug/L	B-1	0	0.9521	2.33	No	71	87.32	0.02
		B-10	**0**	**-2.914**	**-2.33**	**Yes**	**70**	**98.57**	**0.02**
		B-12	**0**	**-3.789**	**-2.33**	**Yes**	**66**	**100**	**0.02**
		B-2	**0**	**-3.425**	**-2.33**	**Yes**	**71**	**100**	**0.02**
		B-3	0	-1.353	-2.33	No	71	92.96	0.02
		B-4	**0**	**-3.425**	**-2.33**	**Yes**	**71**	**100**	**0.02**
		B-5	**0**	**3.253**	**2.33**	**Yes**	**70**	**61.43**	**0.02**
Alkalinity	mg/L	**B-1**	**20.81**	**6.433**	**2.33**	**Yes**	**55**	**0**	**0.02**
		B-10	**-3.519**	**-4.097**	**-2.33**	**Yes**	**54**	**0**	**0.02**
		B-12	**9.382**	**8.268**	**2.33**	**Yes**	**49**	**0**	**0.02**
		B-2	0	0.1643	2.33	No	54	0	0.02
		B-3	0.311	0.2388	2.33	No	54	0	0.02
		B-4	**-19.6**	**-8.64**	**-2.33**	**Yes**	**54**	**0**	**0.02**
		B-5	-0.7908	-0.8211	-2.33	No	53	0	0.02
Ammonia as nitrogen	mg/L	**B-1**	**0.00501**	**7.919**	**2.33**	**Yes**	**115**	**0**	**0.02**
		B-10	0	0.4021	2.33	No	114	0	0.02
		B-12	**0.002614**	**4.595**	**2.33**	**Yes**	**110**	**3.636**	**0.02**
		B-2	**-0.001066**	**-3.735**	**-2.33**	**Yes**	**115**	**41.74**	**0.02**
		B-3	-0.003209	-0.8951	-2.33	No	116	0.8621	0.02
		B-4	**0.03414**	**5.991**	**2.33**	**Yes**	**115**	**0**	**0.02**
		B-5	0.009185	1.955	2.33	No	114	0.8772	0.02
Antimony, dissolved	mg/L	B-1	0	-2.138	-2.33	No	54	68.52	0.02
		B-10	0	-1.441	-2.33	No	53	88.68	0.02
		B-12	0	-1.562	-2.33	No	50	72	0.02
		B-2	**0**	**-2.966**	**-2.33**	**Yes**	**54**	**70.37**	**0.02**
		B-3	0	-0.29	-2.33	No	54	94.44	0.02
		B-4	**0**	**-2.464**	**-2.33**	**Yes**	**55**	**83.64**	**0.02**
		B-5	0	0.2467	2.33	No	53	81.13	0.02
Arsenic, dissolved	mg/L	B-1	0.0001183	2.06	2.33	No	113	0	0.02
		B-10	**-0.00006762**	**-8.098**	**-2.33**	**Yes**	**112**	**16.96**	**0.02**
		B-12	**-0.0001914**	**-8.595**	**-2.33**	**Yes**	**107**	**14.95**	**0.02**
		B-2	**-0.00002219**	**-9.67**	**-2.33**	**Yes**	**112**	**16.96**	**0.02**
		B-3	**-0.00007161**	**-4.608**	**-2.33**	**Yes**	**113**	**16.81**	**0.02**
		B-4	**-0.0001216**	**-6.845**	**-2.33**	**Yes**	**113**	**16.81**	**0.02**
		B-5	**-0.0001672**	**-4.194**	**-2.33**	**Yes**	**111**	**13.51**	**0.02**
Barium, dissolved	mg/L	**B-1**	**0.001847**	**6.592**	**2.33**	**Yes**	**55**	**0**	**0.02**
		B-10	**-0.001181**	**-3.905**	**-2.33**	**Yes**	**54**	**0**	**0.02**
		B-12	**0.001272**	**9.265**	**2.33**	**Yes**	**50**	**0**	**0.02**
		B-2	**-0.0008699**	**-4.976**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-3	0	-0.0363	-2.33	No	55	0	0.02
		B-4	**-0.006215**	**-7.263**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-5	0.0006179	1.232	2.33	No	54	0	0.02
Bicarbonate	mg/L	**B-1**	**21.2**	**6.253**	**2.33**	**Yes**	**54**	**0**	**0.02**
		B-10	**-3.197**	**-3.422**	**-2.33**	**Yes**	**53**	**0**	**0.02**
		B-12	**9.468**	**7.656**	**2.33**	**Yes**	**49**	**0**	**0.02**
		B-2	0	-0.1194	-2.33	No	54	0	0.02
		B-3	0.366	0.291	2.33	No	54	0	0.02
		B-4	**-19.03**	**-8.278**	**-2.33**	**Yes**	**53**	**0**	**0.02**
		B-5	-0.7634	-0.7595	-2.33	No	53	0	0.02
Cadmium, dissolved	mg/L	**B-1**	**-9.658E-06**	**-4.73**	**-2.33**	**Yes**	**113**	**92.04**	**0.02**
		B-10	**0**	**-3.133**	**-2.33**	**Yes**	**112**	**97.32**	**0.02**
		B-12	**0**	**-3.857**	**-2.33**	**Yes**	**109**	**92.66**	**0.02**
		B-2	**-0.00001293**	**-5.021**	**-2.33**	**Yes**	**113**	**84.96**	**0.02**
		B-3	**0**	**-3.131**	**-2.33**	**Yes**	**114**	**97.37**	**0.02**
		B-4	**0**	**-3.763**	**-2.33**	**Yes**	**114**	**94.74**	**0.02**
		B-5	**-0.00001059**	**-4.788**	**-2.33**	**Yes**	**112**	**87.5**	**0.02**

Long-Term Mann-Kendall Trend Tests 1994-2024
Upper Regional Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Significance Level
Calcium, total	mg/L	**B-1**	**2.432**	**10.04**	**2.33**	**Yes**	**115**	**0**	**0.02**
		B-10	**0.3578**	**3.982**	**2.33**	**Yes**	**114**	**0**	**0.02**
		B-12	**0.4723**	**7**	**2.33**	**Yes**	**109**	**0**	**0.02**
		B-2	**-1.656**	**-9.188**	**-2.33**	**Yes**	**115**	**0**	**0.02**
		B-3	**-0.4217**	**-3.474**	**-2.33**	**Yes**	**116**	**0**	**0.02**
		B-4	**1.88**	**4.958**	**2.33**	**Yes**	**115**	**0**	**0.02**
		B-5	**0.4892**	**5.185**	**2.33**	**Yes**	**114**	**0**	**0.02**
Chemical Oxygen Demand	mg/L	**B-1**	**0.1999**	**6.066**	**2.33**	**Yes**	**115**	**73.91**	**0.02**
		B-10	**0.09682**	**4.669**	**2.33**	**Yes**	**114**	**81.58**	**0.02**
		B-12	**0.08441**	**4.634**	**2.33**	**Yes**	**110**	**89.09**	**0.02**
		B-2	0	0.9395	2.33	No	115	73.04	0.02
		B-3	0	-0.6431	-2.33	No	116	43.1	0.02
		B-4	**0.3547**	**5.633**	**2.33**	**Yes**	**115**	**52.17**	**0.02**
		B-5	**0.8427**	**7.894**	**2.33**	**Yes**	**114**	**5.263**	**0.02**
Chloride	mg/L	**B-1**	**1.585**	**10.59**	**2.33**	**Yes**	**114**	**0**	**0.02**
		B-10	0.01439	1.972	2.33	No	113	0	0.02
		B-12	**0.0223**	**2.663**	**2.33**	**Yes**	**109**	**0**	**0.02**
		B-2	**-1.482**	**-8.379**	**-2.33**	**Yes**	**114**	**0**	**0.02**
		B-3	**-0.4862**	**-3.556**	**-2.33**	**Yes**	**115**	**0**	**0.02**
		B-4	**2.774**	**5.461**	**2.33**	**Yes**	**114**	**0**	**0.02**
		B-5	**2.594**	**11.26**	**2.33**	**Yes**	**113**	**0**	**0.02**
Chlorodifluoromethane (Freon 22)	ug/L	**B-1**	**0.06322**	**7.606**	**2.33**	**Yes**	**82**	**58.54**	**0.02**
		B-10	0	1.925	2.33	No	82	98.78	0.02
		B-12	**0**	**3.466**	**2.33**	**Yes**	**77**	**100**	**0.02**
		B-2	0	-1.851	-2.33	No	82	85.37	0.02
		B-3	0	-0.7243	-2.33	No	83	32.53	0.02
		B-4	0.02595	0.4013	2.33	No	83	2.41	0.02
		B-5	**-0.09999**	**-7.048**	**-2.33**	**Yes**	**81**	**1.235**	**0.02**
Chromium, dissolved	mg/L	B-1	0	-0.4104	-2.33	No	55	25.45	0.02
		B-10	-0.00002666	-2.045	-2.33	No	54	38.89	0.02
		B-12	0	-0.8427	-2.33	No	50	54	0.02
		B-2	**-0.00005262**	**-2.653**	**-2.33**	**Yes**	**55**	**20**	**0.02**
		B-3	**-0.0000833**	**-4.162**	**-2.33**	**Yes**	**55**	**30.91**	**0.02**
		B-4	**-0.000266**	**-4.91**	**-2.33**	**Yes**	**55**	**10.91**	**0.02**
		B-5	**-0.0001984**	**-4.018**	**-2.33**	**Yes**	**54**	**12.96**	**0.02**
Cobalt, dissolved	mg/L	**B-1**	**0.00002853**	**6.642**	**2.33**	**Yes**	**54**	**35.19**	**0.02**
		B-10	**0**	**-2.774**	**-2.33**	**Yes**	**53**	**54.72**	**0.02**
		B-12	**-0.00001932**	**-3.897**	**-2.33**	**Yes**	**50**	**56**	**0.02**
		B-2	**-0.00000534**	**-3.381**	**-2.33**	**Yes**	**54**	**50**	**0.02**
		B-3	**-0.00001687**	**-4.305**	**-2.33**	**Yes**	**54**	**35.19**	**0.02**
		B-4	**-0.00001857**	**-5.083**	**-2.33**	**Yes**	**55**	**38.18**	**0.02**
		B-5	**0.00003109**	**5.542**	**2.33**	**Yes**	**53**	**33.96**	**0.02**
Copper, dissolved	mg/L	**B-1**	**-0.0001114**	**-4.252**	**-2.33**	**Yes**	**55**	**43.64**	**0.02**
		B-10	**-0.0000222**	**-2.715**	**-2.33**	**Yes**	**54**	**72.22**	**0.02**
		B-12	**-0.0001142**	**-3.481**	**-2.33**	**Yes**	**50**	**60**	**0.02**
		B-2	**-0.00007894**	**-4.012**	**-2.33**	**Yes**	**55**	**34.55**	**0.02**
		B-3	**-0.0001158**	**-3.959**	**-2.33**	**Yes**	**55**	**61.82**	**0.02**
		B-4	**-0.0001003**	**-4.406**	**-2.33**	**Yes**	**55**	**49.09**	**0.02**
		B-5	**-0.0001327**	**-4.522**	**-2.33**	**Yes**	**54**	**44.44**	**0.02**
Dichlorodifluoromethane (CFC-12)	ug/L	**B-1**	**0**	**-7.094**	**-2.33**	**Yes**	**119**	**97.48**	**0.02**
		B-10	**0**	**-7.019**	**-2.33**	**Yes**	**120**	**99.17**	**0.02**
		B-12	**0**	**-6.325**	**-2.33**	**Yes**	**116**	**99.14**	**0.02**
		B-2	**-0.1818**	**-7.376**	**-2.33**	**Yes**	**120**	**18.33**	**0.02**
		B-3	**0**	**-6.221**	**-2.33**	**Yes**	**116**	**99.14**	**0.02**
		B-4	**0**	**-5.279**	**-2.33**	**Yes**	**121**	**92.56**	**0.02**
		B-5	**-0.002341**	**-8.167**	**-2.33**	**Yes**	**120**	**67.5**	**0.02**

Long-Term Mann-Kendall Trend Tests 1994-2024
Upper Regional Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Significance Level
Diethyl ether	ug/L	B-1	0	0.7627	2.33	No	83	100	0.02
		B-10	0	0.04771	2.33	No	82	98.78	0.02
		B-12	0	2.083	2.33	No	78	100	0.02
		B-2	0	1.173	2.33	No	83	100	0.02
		B-3	**-0.09672**	**-3.62**	**-2.33**	**Yes**	**84**	**23.81**	**0.02**
		B-4	0	1.13	2.33	No	83	98.8	0.02
		B-5	**-0.05487**	**-2.838**	**-2.33**	**Yes**	**82**	**2.439**	**0.02**
Iron, dissolved	mg/L	**B-1**	**0.0605**	**11.4**	**2.33**	**Yes**	**115**	**0**	**0.02**
		B-10	**0.05411**	**7.729**	**2.33**	**Yes**	**114**	**1.754**	**0.02**
		B-12	**0.0107**	**5.971**	**2.33**	**Yes**	**110**	**1.818**	**0.02**
		B-2	**0**	**-2.402**	**-2.33**	**Yes**	**115**	**67.83**	**0.02**
		B-3	**-0.1287**	**-3.281**	**-2.33**	**Yes**	**116**	**0**	**0.02**
		B-4	**0.1844**	**6.616**	**2.33**	**Yes**	**115**	**0**	**0.02**
		B-5	-0.1128	-1.423	-2.33	No	114	0.8772	0.02
Lead, dissolved	mg/L	**B-1**	**-0.00002779**	**-6.319**	**-2.33**	**Yes**	**114**	**82.46**	**0.02**
		B-10	**0**	**-2.777**	**-2.33**	**Yes**	**113**	**97.35**	**0.02**
		B-12	**0**	**-3.619**	**-2.33**	**Yes**	**110**	**91.82**	**0.02**
		B-2	**0**	**-3.475**	**-2.33**	**Yes**	**114**	**95.61**	**0.02**
		B-3	**0**	**-3.595**	**-2.33**	**Yes**	**115**	**92.17**	**0.02**
		B-4	**0**	**-3.503**	**-2.33**	**Yes**	**115**	**93.91**	**0.02**
		B-5	**0**	**-3.619**	**-2.33**	**Yes**	**113**	**89.38**	**0.02**
Magnesium, total	mg/L	**B-1**	**3.135**	**6.687**	**2.33**	**Yes**	**55**	**0**	**0.02**
		B-10	**-0.5698**	**-4.038**	**-2.33**	**Yes**	**54**	**0**	**0.02**
		B-12	**1.187**	**8.71**	**2.33**	**Yes**	**50**	**0**	**0.02**
		B-2	-0.07849	-1.024	-2.33	No	55	0	0.02
		B-3	0.03756	0.1815	2.33	No	55	0	0.02
		B-4	**-3.432**	**-7.1**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-5	**-0.3991**	**-2.53**	**-2.33**	**Yes**	**54**	**0**	**0.02**
Manganese, dissolved	mg/L	**B-1**	**0.07378**	**11.59**	**2.33**	**Yes**	**115**	**1.739**	**0.02**
		B-10	**0.007939**	**4.891**	**2.33**	**Yes**	**114**	**2.632**	**0.02**
		B-12	**-0.003261**	**-7.431**	**-2.33**	**Yes**	**110**	**0**	**0.02**
		B-2	**-0.007063**	**-6.833**	**-2.33**	**Yes**	**115**	**5.217**	**0.02**
		B-3	**-0.01702**	**-4.45**	**-2.33**	**Yes**	**116**	**0.8621**	**0.02**
		B-4	-0.01172	-2.074	-2.33	No	115	0	0.02
		B-5	**-0.01283**	**-3.468**	**-2.33**	**Yes**	**114**	**0.8772**	**0.02**
Mercury, dissolved	mg/L	B-1	0	-1.412	-2.33	No	114	100	0.02
		B-10	0	-1.684	-2.33	No	110	98.18	0.02
		B-12	**0**	**-2.577**	**-2.33**	**Yes**	**110**	**100**	**0.02**
		B-2	0	-2.109	-2.33	No	114	100	0.02
		B-3	0	-2.123	-2.33	No	115	99.13	0.02
		B-4	0	-1.982	-2.33	No	114	99.12	0.02
		B-5	0	-1.94	-2.33	No	113	100	0.02
Nickel, dissolved	mg/L	**B-1**	**0.000438**	**6.879**	**2.33**	**Yes**	**54**	**31.48**	**0.02**
		B-10	0	0.8127	2.33	No	53	41.51	0.02
		B-12	0	0.8694	2.33	No	50	44	0.02
		B-2	**-0.000105**	**-4.224**	**-2.33**	**Yes**	**54**	**1.852**	**0.02**
		B-3	0	0.6449	2.33	No	54	25.93	0.02
		B-4	0	0.2676	2.33	No	55	5.455	0.02
		B-5	0	0.07006	2.33	No	53	1.887	0.02
Nitrate as nitrogen	mg/L	**B-1**	**0**	**-4.065**	**-2.33**	**Yes**	**114**	**92.11**	**0.02**
		B-10	**0**	**-3.613**	**-2.33**	**Yes**	**113**	**90.27**	**0.02**
		B-12	**0**	**-3.656**	**-2.33**	**Yes**	**109**	**94.5**	**0.02**
		B-2	-0.01862	-1.818	-2.33	No	114	7.018	0.02
		B-3	0	-2.165	-2.33	No	115	92.17	0.02
		B-4	**0**	**-2.634**	**-2.33**	**Yes**	**114**	**85.96**	**0.02**
		B-5	0	0.6353	2.33	No	113	70.8	0.02

Long-Term Mann-Kendall Trend Tests 1994-2024
Upper Regional Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Significance Level
Nitrite as nitrogen	mg/L	B-1	0	-0.5302	-2.33	No	114	95.61	0.02
		B-10	0	0.3254	2.33	No	113	95.58	0.02
		B-12	0	0.1551	2.33	No	109	96.33	0.02
		B-2	0	-0.592	-2.33	No	114	96.49	0.02
		B-3	0	1.087	2.33	No	115	91.3	0.02
		B-4	0	0.4675	2.33	No	114	91.23	0.02
		B-5	0	-0.7779	-2.33	No	113	85.84	0.02
pH	mg/L	B-1	0.001025	0.2631	2.33	No	113	0	0.02
		B-10	0.006856	1.757	2.33	No	113	0	0.02
		B-12	**0.01504**	**4.051**	**2.33**	**Yes**	**110**	**0**	**0.02**
		B-2	0.008115	1.961	2.33	No	113	0	0.02
		B-3	**0.02147**	**5.122**	**2.33**	**Yes**	**116**	**0**	**0.02**
		B-4	**-0.009727**	**-2.621**	**-2.33**	**Yes**	**114**	**0**	**0.02**
		B-5	0.007485	2.065	2.33	No	114	0	0.02
Potassium, total	mg/L	**B-1**	**0.1919**	**6.672**	**2.33**	**Yes**	**55**	**0**	**0.02**
		B-10	-0.006541	-0.6502	-2.33	No	54	0	0.02
		B-12	**0.1416**	**7.528**	**2.33**	**Yes**	**50**	**0**	**0.02**
		B-2	-0.1507	-0.9439	-2.33	No	55	0	0.02
		B-3	0.05526	1.961	2.33	No	55	0	0.02
		B-4	**-0.1147**	**-4.961**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-5	**0.0712**	**3.228**	**2.33**	**Yes**	**54**	**0**	**0.02**
Selenium, dissolved	mg/L	B-1	-0.00004982	-2.206	-2.33	No	55	34.55	0.02
		B-10	**-0.00003881**	**-3.003**	**-2.33**	**Yes**	**54**	**81.48**	**0.02**
		B-12	**-0.00008588**	**-4.271**	**-2.33**	**Yes**	**50**	**74**	**0.02**
		B-2	**-0.0002999**	**-4.528**	**-2.33**	**Yes**	**55**	**5.455**	**0.02**
		B-3	**-0.00009555**	**-4.47**	**-2.33**	**Yes**	**55**	**52.73**	**0.02**
		B-4	**-0.00009986**	**-4.685**	**-2.33**	**Yes**	**55**	**21.82**	**0.02**
		B-5	-0.00001232	-1.265	-2.33	No	54	33.33	0.02
Sodium, total	mg/L	**B-1**	**0.347**	**8.821**	**2.33**	**Yes**	**115**	**0**	**0.02**
		B-10	**0.05477**	**3.797**	**2.33**	**Yes**	**114**	**0**	**0.02**
		B-12	**0.218**	**8.681**	**2.33**	**Yes**	**110**	**0**	**0.02**
		B-2	**-2.192**	**-12.9**	**-2.33**	**Yes**	**115**	**0**	**0.02**
		B-3	**-0.3552**	**-5.51**	**-2.33**	**Yes**	**116**	**0**	**0.02**
		B-4	0.06748	0.9549	2.33	No	115	0	0.02
		B-5	**1.329**	**12.44**	**2.33**	**Yes**	**114**	**0.8772**	**0.02**
Specific Conductance	us/cm	**B-1**	**19.04**	**10.21**	**2.33**	**Yes**	**121**	**0**	**0.02**
		B-10	**5.161**	**5.365**	**2.33**	**Yes**	**120**	**0**	**0.02**
		B-12	**7.036**	**9.355**	**2.33**	**Yes**	**116**	**0**	**0.02**
		B-2	**-16.24**	**-9.241**	**-2.33**	**Yes**	**120**	**0**	**0.02**
		B-3	**-5.397**	**-3.222**	**-2.33**	**Yes**	**115**	**0**	**0.02**
		B-4	**30.73**	**6.636**	**2.33**	**Yes**	**121**	**0**	**0.02**
		B-5	**15.1**	**10.35**	**2.33**	**Yes**	**119**	**0**	**0.02**
Sulfate	mg/L	**B-1**	**0.08856**	**2.408**	**2.33**	**Yes**	**114**	**0.8772**	**0.02**
		B-10	**0.358**	**4.336**	**2.33**	**Yes**	**113**	**0**	**0.02**
		B-12	**0.479**	**11.04**	**2.33**	**Yes**	**109**	**0.9174**	**0.02**
		B-2	**-1.338**	**-8.846**	**-2.33**	**Yes**	**114**	**0.8772**	**0.02**
		B-3	0	-1.618	-2.33	No	115	79.13	0.02
		B-4	**0.922**	**5.523**	**2.33**	**Yes**	**114**	**0**	**0.02**
		B-5	**-0.01229**	**-2.619**	**-2.33**	**Yes**	**113**	**38.05**	**0.02**
Total Dissolved Solids	mg/L	**B-1**	**27.22**	**6.834**	**2.33**	**Yes**	**54**	**0**	**0.02**
		B-10	**-4.75**	**-4.15**	**-2.33**	**Yes**	**54**	**0**	**0.02**
		B-12	**8.98**	**9.512**	**2.33**	**Yes**	**50**	**0**	**0.02**
		B-2	**-3.853**	**-4.896**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-3	0.2777	0.1597	2.33	No	55	0	0.02
		B-4	**-27.21**	**-7.079**	**-2.33**	**Yes**	**55**	**0**	**0.02**
		B-5	1.327	1.037	2.33	No	54	0	0.02

Long-Term Mann-Kendall Trend Tests 1994-2024
Upper Regional Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Significance Level
Total Organic Carbon	mg/L	**B-1**	**0.05147**	**6.335**	**2.33**	**Yes**	**115**	**12.17**	**0.02**
		B-10	**0.01046**	**4.074**	**2.33**	**Yes**	**114**	**10.53**	**0.02**
		B-12	-0.005534	-1.967	-2.33	No	110	10	0.02
		B-2	**-0.04502**	**-6.618**	**-2.33**	**Yes**	**115**	**4.348**	**0.02**
		B-3	**-0.1348**	**-5.288**	**-2.33**	**Yes**	**116**	**0**	**0.02**
		B-4	**0.04419**	**8.105**	**2.33**	**Yes**	**115**	**9.565**	**0.02**
		B-5	**0.09455**	**3.84**	**2.33**	**Yes**	**114**	**0**	**0.02**
Vanadium, dissolved	mg/L	**B-1**	**-0.00008166**	**-3.654**	**-2.33**	**Yes**	**55**	**3.636**	**0.02**
		B-10	**-0.00006661**	**-4.68**	**-2.33**	**Yes**	**54**	**20.37**	**0.02**
		B-12	-6.876E-06	-1.339	-2.33	No	50	20	0.02
		B-2	**-0.00006162**	**-4.922**	**-2.33**	**Yes**	**55**	**5.455**	**0.02**
		B-3	**-0.00008968**	**-5.05**	**-2.33**	**Yes**	**55**	**12.73**	**0.02**
		B-4	**-0.0002372**	**-4.214**	**-2.33**	**Yes**	**55**	**20**	**0.02**
		B-5	**-0.0002266**	**-4.483**	**-2.33**	**Yes**	**54**	**16.67**	**0.02**
Vinyl chloride	ug/L	B-1	0	-0.885	-2.33	No	119	99.16	0.02
		B-10	0	-1.244	-2.33	No	119	98.32	0.02
		B-12	0	-0.2333	-2.33	No	116	87.93	0.02
		B-2	**-0.0003174**	**-3.806**	**-2.33**	**Yes**	**120**	**70**	**0.02**
		B-3	-0.000319	-0.7476	-2.33	No	115	22.61	0.02
		B-4	-0.0001356	-0.5968	-2.33	No	121	27.27	0.02
		B-5	**-0.007068**	**-5.249**	**-2.33**	**Yes**	**119**	**8.403**	**0.02**
Zinc, dissolved	mg/L	**B-1**	**-0.0001489**	**-8.053**	**-2.33**	**Yes**	**115**	**51.3**	**0.02**
		B-10	**-0.0001389**	**-6.319**	**-2.33**	**Yes**	**114**	**55.26**	**0.02**
		B-12	**-0.0001542**	**-5.913**	**-2.33**	**Yes**	**110**	**59.09**	**0.02**
		B-2	**-0.0001621**	**-7.318**	**-2.33**	**Yes**	**115**	**49.57**	**0.02**
		B-3	**-0.0001781**	**-6.862**	**-2.33**	**Yes**	**116**	**54.31**	**0.02**
		B-4	**-0.0001511**	**-7.757**	**-2.33**	**Yes**	**115**	**50.43**	**0.02**
		B-5	**-0.0001721**	**-7.866**	**-2.33**	**Yes**	**114**	**49.12**	**0.02**

APPENDIX E-5
Short-Term Mann-Kendall Trend Tests 2020-2024 – Upper Regional Aquifer

Short-Term Mann-Kendall Trend Tests 2020-2024
Upper Regional Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Significance Level
1,4-dioxane	ug/L	B-1	0	8	44	No	14	42.86	0.02
		B-10	0	-1	-44	No	14	100	0.02
		B-12	0	-1	-35	No	12	100	0.02
		B-2	0	-1	-44	No	14	100	0.02
		B-3	0	18	44	No	14	71.43	0.02
		B-4	0	-1	-44	No	14	100	0.02
		B-5	0	1	48	No	15	26.67	0.02
Alkalinity	mg/L	B-1	17.89	11	44	No	14	0	0.02
		B-10	-0.9897	-4	-44	No	14	0	0.02
		B-12	**11.43**	**55**	**35**	**Yes**	**12**	**0**	**0.02**
		B-2	0.3297	6	44	No	14	0	0.02
		B-3	4.31	8	44	No	14	0	0.02
		B-4	**-10.65**	**-51**	**-44**	**Yes**	**14**	**0**	**0.02**
		B-5	-4.638	-19	-48	No	15	0	0.02
Ammonia as nitrogen	mg/L	**B-1**	**-0.02674**	**-47**	**-44**	**Yes**	**14**	**0**	**0.02**
		B-10	0	7	44	No	14	0	0.02
		B-12	0.00579	9	35	No	12	0	0.02
		B-2	0	-1	-44	No	14	71.43	0.02
		B-3	0.04919	21	44	No	14	0	0.02
		B-4	-0.0432	-24	-44	No	14	0	0.02
		B-5	**0.1931**	**50**	**48**	**Yes**	**15**	**0**	**0.02**
Antimony, dissolved	mg/L	B-1	-0.0000172	-19	-44	No	14	50	0.02
		B-10	**-0.0001292**	**-47**	**-44**	**Yes**	**14**	**64.29**	**0.02**
		B-12	0.000006328	9	35	No	12	50	0.02
		B-2	0	-7	-44	No	14	42.86	0.02
		B-3	0	-13	-44	No	14	92.86	0.02
		B-4	0	-12	-44	No	14	64.29	0.02
		B-5	0	24	48	No	15	80	0.02
Arsenic, dissolved	mg/L	B-1	-0.003653	-29	-44	No	14	0	0.02
		B-10	-0.00006583	-26	-44	No	14	0	0.02
		B-12	-0.0001037	-25	-35	No	12	8.333	0.02
		B-2	0	-13	-44	No	14	0	0.02
		B-3	-0.00007594	-8	-44	No	14	0	0.02
		B-4	-0.00006202	-10	-44	No	14	0	0.02
		B-5	-0.0002481	-25	-48	No	15	0	0.02
Barium, dissolved	mg/L	B-1	-0.0011	-23	-44	No	14	0	0.02
		B-10	-0.0009415	-23	-44	No	14	0	0.02
		B-12	0.0009933	32	35	No	12	0	0.02
		B-2	-0.001929	-41	-44	No	14	0	0.02
		B-3	0.00205	15	44	No	14	0	0.02
		B-4	**-0.00526**	**-57**	**-44**	**Yes**	**14**	**0**	**0.02**
		B-5	-0.003827	-15	-48	No	15	0	0.02
Bicarbonate	mg/L	B-1	6.09	6	39	No	13	0	0.02
		B-10	-1.635	-13	-39	No	13	0	0.02
		B-12	**11.58**	**58**	**35**	**Yes**	**12**	**0**	**0.02**
		B-2	1.119	9	44	No	14	0	0.02
		B-3	4.31	9	44	No	14	0	0.02
		B-4	**-13.84**	**-48**	**-39**	**Yes**	**13**	**0**	**0.02**
		B-5	-4.638	-19	-48	No	15	0	0.02
Cadmium, dissolved	mg/L	B-1	0	24	44	No	14	71.43	0.02
		B-10	0	1	44	No	14	92.86	0.02
		B-12	0	7	35	No	12	91.67	0.02
		B-2	0.00007019	42	44	No	14	64.29	0.02
		B-3	0	5	44	No	14	92.86	0.02
		B-4	0	21	44	No	14	85.71	0.02
		B-5	0.00003589	44	48	No	15	60	0.02

Short-Term Mann-Kendall Trend Tests 2020-2024
Upper Regional Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Significance Level
Calcium, total	mg/L	B-1	0.5146	8	44	No	14	0	0.02
		B-10	-0.03297	-5	-44	No	14	0	0.02
		B-12	**1.744**	**55**	**35**	**Yes**	**12**	**0**	**0.02**
		B-2	-0.1225	-6	-44	No	14	0	0.02
		B-3	0.5615	7	44	No	14	0	0.02
		B-4	**-3.821**	**-63**	**-44**	**Yes**	**14**	**0**	**0.02**
		B-5	-1.385	-27	-48	No	15	0	0.02
Chemical Oxygen Demand	mg/L	B-1	0.3585	15	44	No	14	42.86	0.02
		B-10	0	-10	-44	No	14	85.71	0.02
		B-12	0	2	35	No	12	83.33	0.02
		B-2	0	-3	-44	No	14	64.29	0.02
		B-3	0	13	44	No	14	57.14	0.02
		B-4	-0.5556	-12	-44	No	14	35.71	0.02
		B-5	-0.2475	-5	-48	No	15	0	0.02
Chloride	mg/L	B-1	-0.718	-1	-44	No	14	0	0.02
		B-10	0	9	44	No	14	0	0.02
		B-12	**1.109**	**55**	**35**	**Yes**	**12**	**0**	**0.02**
		B-2	0.2143	8	44	No	14	0	0.02
		B-3	1.581	13	44	No	14	0	0.02
		B-4	**-8.934**	**-64**	**-44**	**Yes**	**14**	**0**	**0.02**
		B-5	0.79	8	48	No	15	0	0.02
Chlorodifluoromethane (Freon 22)	ug/L	B-1	-0.01434	-3	-39	No	13	7.692	0.02
		B-10	**0.0118**	**48**	**44**	**Yes**	**14**	**100**	**0.02**
		B-12	0.01163	30	31	No	11	100	0.02
		B-2	**0.01179**	**42**	**39**	**Yes**	**13**	**100**	**0.02**
		B-3	0.0193	13	39	No	13	38.46	0.02
		B-4	-0.5309	-37	-44	No	14	7.143	0.02
		B-5	-0.05892	-18	-44	No	14	0	0.02
Chromium, dissolved	mg/L	B-1	-0.0003555	-14	-44	No	14	7.143	0.02
		B-10	-0.0001058	-21	-44	No	14	14.29	0.02
		B-12	0.0001088	13	35	No	12	25	0.02
		B-2	-0.0002678	-33	-44	No	14	0	0.02
		B-3	-0.00003306	-16	-44	No	14	14.29	0.02
		B-4	-0.0003812	-26	-44	No	14	14.29	0.02
		B-5	-0.0003472	-35	-48	No	15	0	0.02
Cobalt, dissolved	mg/L	B-1	0.00002537	20	44	No	14	7.143	0.02
		B-10	0.00003236	41	44	No	14	21.43	0.02
		B-12	**0.00001589**	**42**	**35**	**Yes**	**12**	**8.333**	**0.02**
		B-2	**0.00002624**	**53**	**44**	**Yes**	**14**	**7.143**	**0.02**
		B-3	0.00002531	18	44	No	14	7.143	0.02
		B-4	0	6	44	No	14	14.29	0.02
		B-5	0.00002653	20	48	No	15	0	0.02
Copper, dissolved	mg/L	B-1	-0.00002651	-15	-44	No	14	35.71	0.02
		B-10	-0.00001551	-29	-44	No	14	71.43	0.02
		B-12	0	2	35	No	12	66.67	0.02
		B-2	0	4	44	No	14	7.143	0.02
		B-3	0	-6	-44	No	14	57.14	0.02
		B-4	-0.00003844	-14	-44	No	14	50	0.02
		B-5	-0.00004424	-16	-48	No	15	26.67	0.02
Dichlorodifluoromethane (CFC-12)	ug/L	B-1	0	1	44	No	14	100	0.02
		B-10	0	1	44	No	14	100	0.02
		B-12	0	1	35	No	12	100	0.02
		B-2	-0.08508	-38	-44	No	14	21.43	0.02
		B-3	0	1	44	No	14	100	0.02
		B-4	0	1	44	No	14	100	0.02
		B-5	0	2	48	No	15	100	0.02

Short-Term Mann-Kendall Trend Tests 2020-2024
Upper Regional Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Significance Level
Diethyl ether	ug/L	B-1	0	1	44	No	14	100	0.02
		B-10	0	1	44	No	14	100	0.02
		B-12	0	1	35	No	12	100	0.02
		B-2	0	1	44	No	14	100	0.02
		B-3	0	1	44	No	14	42.86	0.02
		B-4	0	-7	-44	No	14	92.86	0.02
		B-5	**-0.5372**	**-49**	**-48**	**Yes**	**15**	**0**	**0.02**
Iron, dissolved	mg/L	B-1	-0.1362	-22	-44	No	14	0	0.02
		B-10	-0.04914	-17	-44	No	14	0	0.02
		B-12	0.009508	27	35	No	12	8.333	0.02
		B-2	0	-12	-44	No	14	71.43	0.02
		B-3	-0.1857	-7	-44	No	14	0	0.02
		B-4	-0.3117	-32	-44	No	14	0	0.02
		B-5	0.4737	9	48	No	15	0	0.02
Lead, dissolved	mg/L	B-1	0.00001076	40	44	No	14	35.71	0.02
		B-10	0	0	44	No	14	100	0.02
		B-12	0	0	35	No	12	100	0.02
		B-2	0	23	44	No	14	85.71	0.02
		B-3	0	3	44	No	14	85.71	0.02
		B-4	0	0	44	No	14	100	0.02
		B-5	0	7	48	No	15	80	0.02
Magnesium, total	mg/L	B-1	0.1081	1	44	No	14	0	0.02
		B-10	0	-2	-44	No	14	0	0.02
		B-12	**1.424**	**44**	**35**	**Yes**	**12**	**0**	**0.02**
		B-2	-0.07849	-11	-44	No	14	0	0.02
		B-3	0.03814	1	44	No	14	0	0.02
		B-4	**-4.347**	**-61**	**-44**	**Yes**	**14**	**0**	**0.02**
		B-5	-0.869	-39	-48	No	15	0	0.02
Manganese, dissolved	mg/L	B-1	-0.01502	-3	-44	No	14	0	0.02
		B-10	-0.006887	-7	-44	No	14	0	0.02
		B-12	-0.0004349	-4	-35	No	12	0	0.02
		B-2	-0.001095	-36	-44	No	14	0	0.02
		B-3	0.01322	7	44	No	14	0	0.02
		B-4	-0.04258	-27	-44	No	14	0	0.02
		B-5	-0.1073	-45	-48	No	15	0	0.02
Mercury, dissolved	mg/L	B-1	0.00003207	29	44	No	14	100	0.02
		B-10	0	21	44	No	14	100	0.02
		B-12	0	13	35	No	12	100	0.02
		B-2	0	20	44	No	14	100	0.02
		B-3	0	13	44	No	14	100	0.02
		B-4	0	20	44	No	14	100	0.02
		B-5	0	8	48	No	15	100	0.02
Nickel, dissolved	mg/L	B-1	0.00003168	3	44	No	14	7.143	0.02
		B-10	0	-2	-44	No	14	7.143	0.02
		B-12	0.000003042	5	35	No	12	8.333	0.02
		B-2	-0.00006743	-23	-44	No	14	0	0.02
		B-3	0.00009973	5	44	No	14	7.143	0.02
		B-4	-0.0001581	-12	-44	No	14	0	0.02
		B-5	-0.0003017	-41	-48	No	15	0	0.02
Nitrate as nitrogen	mg/L	B-1	0	7	44	No	14	92.86	0.02
		B-10	0	7	44	No	14	92.86	0.02
		B-12	0	28	35	No	12	100	0.02
		B-2	0.01335	4	44	No	14	0	0.02
		B-3	0	36	44	No	14	100	0.02
		B-4	0	16	44	No	14	85.71	0.02
		B-5	0	6	48	No	15	53.33	0.02

Short-Term Mann-Kendall Trend Tests 2020-2024
Upper Regional Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Significance Level
Nitrite as nitrogen	mg/L	B-1	0	16	44	No	14	64.29	0.02
		B-10	0	6	44	No	14	78.57	0.02
		B-12	0.00125	29	35	No	12	83.33	0.02
		B-2	0	27	44	No	14	92.86	0.02
		B-3	0	25	44	No	14	78.57	0.02
		B-4	0.001825	37	44	No	14	64.29	0.02
		B-5	0	12	48	No	15	46.67	0.02
pH	mg/L	B-1	0.04724	30	44	No	14	0	0.02
		B-10	-0.05879	-13	-44	No	14	0	0.02
		B-12	0.02078	2	35	No	12	0	0.02
		B-2	0.06242	24	44	No	14	0	0.02
		B-3	0.0489	10	44	No	14	0	0.02
		B-4	0.01877	7	44	No	14	0	0.02
		B-5	-0.06052	-17	-48	No	15	0	0.02
Potassium, total	mg/L	B-1	0.02651	7	44	No	14	0	0.02
		B-10	0.02658	13	44	No	14	0	0.02
		B-12	0.1698	31	35	No	12	0	0.02
		B-2	**-1.666**	**-55**	**-44**	**Yes**	**14**	**0**	**0.02**
		B-3	0.08449	12	44	No	14	0	0.02
		B-4	-0.266	-42	-44	No	14	0	0.02
		B-5	-0.1107	-22	-48	No	15	0	0.02
Selenium, dissolved	mg/L	B-1	-0.00005873	-14	-44	No	14	0	0.02
		B-10	-0.00001172	-31	-44	No	14	71.43	0.02
		B-12	0.000006868	7	35	No	12	41.67	0.02
		B-2	0	-2	-44	No	14	0	0.02
		B-3	0.00004492	9	44	No	14	28.57	0.02
		B-4	-0.0001105	-38	-44	No	14	0	0.02
		B-5	-0.00006768	-17	-48	No	15	0	0.02
Sodium, total	mg/L	B-1	0.1492	15	44	No	14	0	0.02
		B-10	0.144	23	44	No	14	0	0.02
		B-12	**0.4626**	**37**	**35**	**Yes**	**12**	**0**	**0.02**
		B-2	0.06124	7	44	No	14	0	0.02
		B-3	0.2288	6	44	No	14	0	0.02
		B-4	0.2758	15	44	No	14	0	0.02
		B-5	1.652	39	48	No	15	0	0.02
Specific Conductance	us/cm	B-1	-6.418	-9	-44	No	14	0	0.02
		B-10	-8.595	-35	-44	No	14	0	0.02
		B-12	**20.6**	**54**	**35**	**Yes**	**12**	**0**	**0.02**
		B-2	-11.29	-32	-44	No	14	0	0.02
		B-3	13.96	11	44	No	14	0	0.02
		B-4	**-57.57**	**-57**	**-44**	**Yes**	**14**	**0**	**0.02**
		B-5	-21.55	-35	-48	No	15	0	0.02
Sulfate	mg/L	B-1	0.1581	7	44	No	14	0	0.02
		B-10	-0.7966	-19	-44	No	14	0	0.02
		B-12	**0.8471**	**50**	**35**	**Yes**	**12**	**0**	**0.02**
		B-2	**-4.281**	**-49**	**-44**	**Yes**	**14**	**7.143**	**0.02**
		B-3	0	0	44	No	14	100	0.02
		B-4	**-1.915**	**-60**	**-44**	**Yes**	**14**	**0**	**0.02**
		B-5	0	-4	-48	No	15	53.33	0.02
Total Dissolved Solids	mg/L	B-1	10.9	5	44	No	14	0	0.02
		B-10	-2.327	-32	-44	No	14	0	0.02
		B-12	**14.39**	**60**	**35**	**Yes**	**12**	**0**	**0.02**
		B-2	-6.083	-32	-44	No	14	0	0.02
		B-3	3.607	14	44	No	14	0	0.02
		B-4	-8.924	-19	-44	No	14	0	0.02
		B-5	-4.699	-19	-48	No	15	0	0.02

Short-Term Mann-Kendall Trend Tests 2020-2024
Upper Regional Aquifer

Analyte	Units	Well	Slope	Z-Score	Critical Value	Significant Trend?	# of Samples	% Non-detects	Significance Level
Total Organic Carbon	mg/L	B-1	-0.06795	-13	-44	No	14	0	0.02
		B-10	**-0.03067**	**-46**	**-44**	**Yes**	**14**	**0**	**0.02**
		B-12	0.004841	1	35	No	12	0	0.02
		B-2	-0.0164	-9	-44	No	14	0	0.02
		B-3	0.1049	5	44	No	14	0	0.02
		B-4	-0.04959	-33	-44	No	14	0	0.02
		B-5	0.174	31	48	No	15	0	0.02
Vanadium, dissolved	mg/L	B-1	-0.0001338	-20	-44	No	14	0	0.02
		B-10	-0.00002636	-11	-44	No	14	28.57	0.02
		B-12	0	-5	-35	No	12	8.333	0.02
		B-2	-0.00005854	-28	-44	No	14	0	0.02
		B-3	-0.00004966	-19	-44	No	14	0	0.02
		B-4	-0.0001448	-40	-44	No	14	14.29	0.02
		B-5	-0.000165	-35	-48	No	15	6.667	0.02
Vinyl chloride	ug/L	B-1	0	7	44	No	14	100	0.02
		B-10	0	7	44	No	14	100	0.02
		B-12	0	5	35	No	12	100	0.02
		B-2	0	7	44	No	14	100	0.02
		B-3	0	5	44	No	14	42.86	0.02
		B-4	0	-2	-44	No	14	71.43	0.02
		B-5	-0.003914	-33	-48	No	15	6.667	0.02
Zinc, dissolved	mg/L	B-1	0	-3	-44	No	14	7.143	0.02
		B-10	0.0000638	14	44	No	14	28.57	0.02
		B-12	0.00004719	19	35	No	12	33.33	0.02
		B-2	0.00002834	28	44	No	14	7.143	0.02
		B-3	0.00002379	10	44	No	14	35.71	0.02
		B-4	0	-2	-44	No	14	14.29	0.02
		B-5	0.00003386	11	48	No	15	0	0.02

APPENDIX F
Landfill Gas Monitoring Data – 2024

Table D-1. Perimeter Landfill Gas Measurements, 2024
Inman Landfill

Well Identifier	Probe Identifier	Screened Interval Depth (ft bgs)	Date	CH4 Concentration (%v/v)	CO2 Concentration (%v/v)	O2 Concentration (%v/v)	Barometric Pressure inches Hg	Static Pressure (inches H2O)	LFG Extraction System Status
GDW-1	Shallow	19-21	03/06/24	0.0	0.3	17.9	29.98	NM	off
			06/03/24	3.6	1.9	18.3	29.61	NM	off
			09/13/24	0.0	0.0	21.2	29.82	NM	off
			1/9/25	0.1	3.6	18.2	30.26	NM	off
GDW-1	Intermediate	58-60	NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
GDW-1	Deep	82-84	03/06/24	0.0	0.3	18.0	29.98	NM	off
			06/03/24	0.0	0.0	18.3	29.61	NM	off
			09/13/24	0.0	0.0	21.2	29.82	NM	off
			1/9/25	0.0	7.5	8.2	30.26	NM	off
GDW-2	Shallow	14.5-15.5	03/06/24	0.0	1.8	16.0	29.99	NM	off
			06/03/24	0.0	0.0	20.9	29.68	NM	off
			09/13/24	0.0	3.4	18.2	29.80	NM	off
			1/8/25	0.0	2.5	18.6	30.31	NM	off
GDW-2	Intermediate	27-28	03/06/24	0.0	3.2	13.2	29.99	NM	off
			06/03/24	0.0	0.0	20.9	29.68	NM	off
			09/13/24	0.0	2.8	16.9	29.80	NM	off
			1/8/25	0.0	4.2	14.0	30.31	NM	off
GDW-2	Deep	44-45	03/06/24	0.0	4.4	12.2	29.99	NM	off
			06/03/24	0.0	0.0	20.9	29.68	NM	off
			09/13/24	0.0	3.7	15.6	29.80	NM	off
			1/8/25	0.0	4.0	15.3	30.31	NM	off
GDW-5	Shallow	9-10	NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
GDW-5	Intermediate	19-20	NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
GDW-5	Deep	29-30	NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off

Table D-1. Perimeter Landfill Gas Measurements, 2024
Inman Landfill

Well Identifier	Probe Identifier	Screened Interval Depth (ft bgs)	Date	CH4 Concentration (%v/v)	CO2 Concentration (%v/v)	O2 Concentration (%v/v)	Barometric Pressure inches Hg	Static Pressure (inches H2O)	LFG Extraction System Status
GP-6	Shallow	7-27	03/06/24	0.0	5.5	12.8	29.99	NM	off
			06/03/24	0.0	0.0	21.0	29.68	NM	off
			09/13/24	0.0	2.1	18.9	29.80	NM	off
			1/8/25	0.0	4.9	16.2	30.31	NM	off
GP-6	Deep	34-74	03/06/24	0.0	0.2	17.1	29.99	NM	off
			06/03/24	0.0	0.0	21.0	29.68	NM	off
			09/13/24	0.0	1.2	19.0	29.80	NM	off
			1/8/25	0.0	2.5	16.9	30.31	NM	off
GP-7	Shallow	7-17	03/06/24	0.0	9.8	5.7	29.98	NM	off
			06/03/24	0.0	10.1	11.6	29.66	NM	off
			09/13/24	0.0	8.3	12.1	29.86	NM	off
			1/9/25	0.0	11.6	6.0	30.26	NM	off
GP-7	Deep	26-49	03/06/24	0.0	4.8	17.5	29.98	NM	off
			06/03/24	0.0	0.1	21.0	29.66	NM	off
			09/13/24	0.0	0.7	20.2	29.86	NM	off
			1/9/25	0.0	9.2	13.4	30.26	NM	off
B-6	Shallow	39-40	03/06/24	0.0	0.5	16.9	29.91	NM	off
			06/03/24	0.0	0.0	21.0	29.52	NM	off
			09/13/24	0.0	0.4	20.6	29.80	NM	off
			1/8/25	0.0	0.4	21.0	30.31	NM	off
B-6	Intermediate	94-95	NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			1/8/25	0.0	0.1	21.2	30.31	NM	off
B-6	Deep	134-135	03/06/24	0.0	0.0	17.7	29.91	NM	off
			06/03/24	0.0	0.0	21.0	29.52	NM	off
			09/13/24	0.0	0.2	21.0	29.80	NM	off
			1/8/25	0.0	0.1	21.0	30.31	NM	off
B-7	Shallow	14-15	03/06/24	0.0	0.1	17.5	29.99	NM	off
			06/03/24	0.0	0.0	21.2	29.68	NM	off
			09/13/24	0.0	0.0	21.5	29.80	NM	off
			1/8/25	0.0	0.1	21.0	30.31	NM	off
B-7	Deep	50-51	NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			NM	NM	NM	NM	NM	NM	off
			01/08/25	0.0	0.1	21.1	30.31	NM	off

Table D-1. Perimeter Landfill Gas Measurements, 2024
Inman Landfill

Well Identifier	Probe Identifier	Screened Interval Depth (ft bgs)	Date	CH4 Concentration (%v/v)	CO2 Concentration (%v/v)	O2 Concentration (%v/v)	Barometric Pressure inches Hg	Static Pressure (inches H2O)	LFG Extraction System Status
B-9	Shallow	10-11	03/06/24	0.0	0.2	17.0	30.00	NM	off
			06/03/24	0.0	0.0	21.3	29.63	NM	off
			09/13/24	0.0	0.0	0.0	29.80	NM	off
			1/8/25	0.0	0.1	21.0	30.31	NM	off
B-9	Deep	49-50	03/06/24	0.0	4.8	13.1	30.00	NM	off
			06/03/24	0.0	0.0	21.3	29.63	NM	off
			09/13/24	0.0	4.4	17.4	29.80	NM	off
			1/8/25	0.0	5.5	14.9	30.31	NM	off
B-11	Shallow	66-67	03/06/24	0.0	0.3	17.1	29.96	NM	off
			06/03/24	0.0	0.3	20.6	29.57	NM	off
			09/13/24	0.0	0.1	21.0	29.80	NM	off
			1/8/25	0.0	0.2	20.8	30.31	NM	off
B-11	Deep	86-87	03/06/24	0.0	0.1	17.6	29.96	NM	off
			06/03/24	0.0	0.3	20.4	29.57	NM	off
			09/13/24	0.0	0.0	0.0	29.80	NM	off
			1/8/25	0.0	0.1	21.0	30.31	NM	off
B-13	Shallow	38-40	03/06/24	0.0	0.1	17.8	29.99	NM	off
			06/03/24	0.0	0.0	20.9	29.61	NM	off
			09/13/24	0.0	0.0	21.2	29.86	NM	off
			1/9/25	0.0	0.1	21.0	30.26	NM	off
B-13	Deep	73-74	03/06/24	0.0	0.0	17.9	29.99	NM	off
			06/03/24	0.0	0.0	20.9	29.61	NM	off
			09/13/24	0.0	0.0	21.2	29.86	NM	off
			1/9/25	0.0	0.3	14.2	30.26	NM	off

Notes:
ft bgs = feet below ground surface
%v/v = percent by volume
NA = Flow restriction error.
NM = Not measured
Methane results above lower explosive limit shown in **bold.**

APPENDIX G
Sample Logs – 4th Quarter 2024

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-1		Date:	12/16/24
Well Depth (ft):	197	Screen Length (ft):	10	Well Diameter (in)	2	
Sampling Device:	Dedicated Bladder Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing	
Depth To Water (ft):	161.61C			Casing Type:	PVC	
Sample ID:	3328	Duplicate ID:		Sampling Personnel:	RT	
Sample Time:	11:50	Duplicate Sample Time:				

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature °C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
11:16	3	10.33	0.629	1.52	8.07	3.6	-71
11:20	5	10.25	0.894	1.12	7.96	2.4	-74
11:24	8	10.01	0.955	0.71	8.05	1.1	-79
11:28	10	10.33	0.946	0.45	8.06	0.5	-80
11:32	14	10.31	0.939	0.50	8.02	0.0	-78
11:36	16	10.24	0.956	0.48	7.86	0.0	-83
11:40	18	10.31	0.956	0.41	7.73	0.0	-80
11:44		tank	change				
11:46	20	10.40	0.963	1.82	7.41	0.0	-64
11:50	23	10.31	0.960	0.94	7.37	0.0	-70
11:54	25	10.27	0.964	0.86	7.39	0.0	-75
11:58	30	10.31	0.964	0.48	7.31	0.0	-76
12:02	34	10.30	0.960	0.39	7.27	0.0	-77
12:06	35	10.21	0.963	0.53	7.26	0.0	-77
		RT					

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-2		Date:	12/20/24	
Well Depth (ft):	77	Screen Length (ft):	10	Well Diameter (in)	2		
Sampling Device:	Dedicated Bladder Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing		
Depth To Water (ft):	57.26 C			Casing Type:	PVC		
Sample ID:	3329	Duplicate ID:		Sampling Personnel:	RT		
Sample Time:	11:10	Duplicate Sample Time:					

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature °C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
10:24	4	10.84	0.336	5.66	7.42	0.1	434
10:28	6	10.85	0.339	5.51	7.32	0.0	426
10:32	7	10.87	0.346	5.35	7.25	0.0	419
10:36	9	10.87	0.344	5.22	7.20	0.0	414
10:40	10	10.82	0.349	5.10	7.18	0.0	411
10:44	12	10.87	0.351	5.04	7.05	0.0	409
10:48	13	10.87	0.345	5.03	7.02	0.0	408
10:52	15	10.88	0.350	5.03	6.97	0.0	407
		RT					

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-3		Date:	12/20/24
Well Depth (ft):	37	Screen Length (ft):	10	Well Diameter (in)	2	
Sampling Device:	Dedicated Bladder Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing	
Depth To Water (ft):	16.97C			Casing Type:	PVC	
Sample ID:	3330	Duplicate ID:	3331	Sampling Personnel:	RT	
Sample Time:	12:50	Duplicate Sample Time:	13:00			

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature °C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
12:15	4	13.32	0.473	0.47	6.41	0.0	-49
12:19	8	13.31	0.474	0.41	6.37	0.0	-57
12:23	11	13.32	0.479	0.37	6.40	0.4	-59
12:27	15	13.31	0.473	0.11	6.40	0.9	-60
12:31	19	13.31	0.475	0.11	6.42	1.6	-61
12:35	13	13.32	0.478	0.09	6.45	2.8	-60

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-4		Date:	12/19/24
Well Depth (ft):	107.5	Screen Length (ft):	10	Well Diameter (in)	2	
Sampling Device:	Dedicated Bladder Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing	
Depth To Water (ft):	69.32c			Casing Type:	PVC	
Sample ID:	3332	Duplicate ID:		Sampling Personnel:	RT	
Sample Time:	13:50	Duplicate Sample Time:				

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature °C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
13:05	3	10.32	0.814	2.53	6.48	15.1	14
13:09	6	10.41	0.798	1.06	6.55	9.0	-21
13:13	10	10.30	0.814	0.82	6.60	7.2	-34
13:17	14	10.29	0.821	0.52	6.72	7.3	-43
13:21	18	10.29	0.825	0.47	6.74	5.5	-47
13:25	22	10.30	0.817	0.39	6.76	4.6	-50
13:29	26	10.28	0.821	0.32	6.78	4.1	-52
13:33	31	10.28	0.824	0.25	6.79	3.3	-52
13:37	37	10.28	0.826	0.22	6.77	3.8	-53
13:41	41	10.27	0.828	0.20	6.77	2.9	-54
			RT				

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-5		Date:	1/6/25
Well Depth (ft):	36	Screen Length (ft):	10	Well Diameter (in)	2	
Sampling Device:	Dedicated Hand Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing	
Depth To Water (ft):	14.33C			Casing Type:	PVC	
Sample ID:	3333	Duplicate ID:		Sampling Personnel:	RT	
Sample Time:		Duplicate Sample Time:				

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature °C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
11:00	2	10.88	0.687	1.09	7.36	0.0	-54
11:04	4	10.98	0.772	0.71	7.19	0.0	-61
11:08	6	10.98	0.750	0.61	7.15	0.0	-65
11:12	7	11.07	0.758	0.58	7.09	0.0	-67
11:16	9	11.08	0.755	0.49	7.05	0.0	-69
11:20	11	11.10	0.771	0.44	7.02	0.0	-70
11:24	13	11.15	0.767	0.42	6.99	0.0	-71
11:28	14	11.18	0.769	0.40	6.91	0.0	-71
11:32	16	11.20	0.781	0.40	6.78	0.0	-72
11:36	18	11.13	0.786	0.37	6.67	0.0	-72
11:40	20	11.16	0.780	0.37	6.68	0.0	-72
		RT					

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-6		Date:	12/16/24
Well Depth (ft):	162	Screen Length (ft):	10	Well Diameter (in)	2	
Sampling Device:	Dedicated Bladder Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing	
Depth To Water (ft):	155.796			Casing Type:	PVC	
Sample ID:	**3334**	Duplicate ID:		Sampling Personnel:	RT	
Sample Time:	13:45	Duplicate Sample Time:				

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature °C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
13:09	3	10.22	0.361	7.25	7.39	1.7	118
13:13	6	10.21	0.356	6.49	7.34	2.6	127
13:17	9	10.21	0.346	6.07	7.33	4.9	136
13:21	11	10.04	0.342	5.80	7.34	2.6	142
13:25	12	10.25	0.338	5.62	7.28	1.9	150
13:29	14	10.25	0.337	5.60	7.31	1.9	152
13:33	17	10.19	0.331	5.17	7.27	1.7	156
13:37	20	10.19	0.331	5.02	7.25	0.7	159
13:41	23	10.15	0.323	5.34	7.26	2.7	165
13:45	26	10.14	0.326	4.99	7.26	2.0	166
13:49	29	10.15	0.320	5.12	7.26	0.6	169
13:53	32	10.13	0.324	4.96	7.25	1.1	172
13:57	35	10.15	0.322	4.80	7.22	2.5	174
14:01	38	10.14	0.320	4.86	7.23	3.0	176
				RT			

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-8		Date:	12/20/24
Well Depth (ft):	14	Screen Length (ft):	5	Well Diameter (in)	2	
Sampling Device:	Peristaltic Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing	
Depth To Water (ft):	11.15C			Casing Type:	PVC	
Sample ID:	3335	Duplicate ID:		Sampling Personnel:	RT	
Sample Time:	13:45	Duplicate Sample Time:				

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature °C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
11:43	0	12.03	0.748	5.46	6.10	16.2	64
11:47	1	12.65	0.665	5.58	6.07	1.6	57
11:51	3	12.69	0.644	5.54	6.07	3.7	135
11:55	4	12.68	0.643	5.44	6.07	9.5	170
11:59	5	12.74	0.659	5.16	6.08	9.0	194
	Well	Dry	(62)				
			RT				

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-9		Date:	12/19/24
Well Depth (ft):	79	Screen Length (ft):	10	Well Diameter (in)	2	
Sampling Device:	Dedicated Bladder Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing	
Depth To Water (ft):	70.33 C			Casing Type:	PVC	
Sample ID:	3336	Duplicate ID:		Sampling Personnel:	RT	
Sample Time:	14:45	Duplicate Sample Time:				

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature ° C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
14:15	4	10.36	0.225	~~6.4~~ 5.67	6.80	0.0	86
14:19	7	10.37	0.228	5.56	6.81	0.0	97
14:23	11	10.36	0.227	5.66	6.78	0.0	111
14:27	14	10.36	0.231	5.69	6.77	0.0	118
14:31	16	10.36	0.230	5.71	6.75	0.0	127
14:35	19	10.36	0.231	5.76	6.72	0.0	133
14:39	23	10.37	0.232	5.68	6.70	0.0	140
			RT				

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-10		Date:	12/19/24
Well Depth (ft):	151	Screen Length (ft):	10	Well Diameter (in)	2	
Sampling Device:	Dedicated Bladder Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing	
Depth To Water (ft):	114.52 C			Casing Type:	PVC	
Sample ID:	3337	Duplicate ID:		Sampling Personnel:	RT	
Sample Time:	10:30	Duplicate Sample Time:				

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature °C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
9:49	5	10.16	0.280	2.44	8.32	0.0	-94
9:53	9	10.13	0.279	1.01	8.30	0.1	-102
9:57	12	10.11	0.278	0.73	8.23	0.0	-108
10:01	15	10.11	0.277	~~0.8~~ 0.61	8.14	0.0	-108
10:05	19	10.12	0.278	0.56	8.06	0.0	-109
10:09	21	10.09	0.277	0.58	7.93	0.0	-108
10:13	23	10.09	0.278	0.43	7.85	0.0	-110
10:17	26	10.09	0.279	0.39	7.76	0.0	-107
10:21	28	10.09	0.277	0.37	7.62	0.0	-104
10:25	30	10.10	0.278	0.36	7.52	0.0	-102
10:29	33	10.10	0.278	0.32	7.46	0.0	-101
10:33	35	10.09	0.278	0.30	7.43	0.0	-101
			RT				

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-11		Date:	12/19/24
Well Depth (ft):	114	Screen Length (ft):	10	Well Diameter (in)	2	
Sampling Device:	Dedicated Bladder Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing	
Depth To Water (ft):	112.86			Casing Type:	PVC	
Sample ID:	3338	Duplicate ID:		Sampling Personnel:	LT	
Sample Time:	12:00	Duplicate Sample Time:				

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature °C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
11:25	2	9.94	0.305	8.83	6.99	5.8	127
11:29	2.5	9.94	0.305	8.78	6.94	6.2	135
11:33	3	9.94	0.304	8.79	6.95	5.8	142
11:37	3.4	9.97	0.303	8.77	6.91	5.7	148
11:41	4	9.96	0.302	8.74	6.90	5.3	154

Groundwater Sampling Log

Skagit County Public Works Department

Site:	Inman	Well Identifier:	B-12		Date:	1/9/25
Well Depth (ft):	123	Screen Length (ft):	5	Well Diameter (in)	2	
Sampling Device:	Dedicated Bladder Pump	Tubing Type:	Polyethylene	Measuring Point:	North, Top of PVC Casing	
Depth To Water (ft):				Casing Type:	PVC	
Sample ID:	3339	Duplicate ID:		Sampling Personnel:	RT	
Sample Time:	12:15	Duplicate Sample Time:				

Sample Parameters	Parameter	Container	Preservative	Parameter	Container	Preservative
	Dissolved Sb, As, Ba, Cd, Cr, Co, Cu, Fe, Hg, Mn, Ni, Pb, Se, Vd, Zn	1 L poly	HNO_3	VOCs	2-40 mL VOA	HCl
	Alkalinity, Bicarbonate, TDS, Cl, SO_4, NO_3, NO_2	1 L poly		Low-level vinyl chloride, EDB, acrylonitrile, 1,4-dioxane	2-40 mL VOA	HCl
	Total Mg, K, Ca, Na	250 mL poly	HNO_3	Ammonia, COD	500 mL poly	H_2SO_4
	Total Organic Carbon	80 mL amber VOA vial	HCl			

Time	Volume Pumped (liters or gallons)	Temperature °C	Specific Conductance mS/cm	Dissolved Oxygen mg/L	pH S.U.	Turbidity NTU	Redox mv
11:26	6	11.54	0.456	1.35	7.98	15.0	-75
11:30	10	11.82	0.461	0.89	7.83	13.4	-77
11:34	16	11.81	0.462	0.64	7.70	3.6	-80
11:38	20	11.83	0.460	0.33	7.61	2.2	-51
11:42	24	11.79	0.457	~~0.29~~ 0.58	~~7.89~~ 7.59	1.0	-82
11:46	28	11.86	0.457	0.26	7.57	0.7	-83
11:50	32	11.86	0.457	0.25	7.51	0.6	-83
11:54	36	11.90	0.457	0.24	7.47	0.6	-87
		RT					

APPENDIX H
Lab data – 4th Quarter 2024

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Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

January 16, 2025

Russell Thompson
Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

RE: 24-37205 - Inman Landfill #2

Dear Russell Thompson,

Your project: Inman Landfill #2, was received on Monday December 16, 2024.

All samples were analyzed within the accepted holding times and were appropriately preserved and analyzed according to approved analytical protocols, unless noted in the data or QC reports. The quality control data was within laboratory acceptance limits, unless specified in the data or QC reports.

If you have questions phone us at 800 755-9295.

Respectfully



Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report

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Data Report

Client Name: Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

Reference Number: **24-37205**
Project: Inman Landfill #2

Report Date: 1/16/25

Date Received: 12/16/24
Approved by: anp,bj,ebvp,ljh
Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Sample Description: 3328 Inman LF — Matrix W — Sample Date: 12/16/24 11:50 am
Lab Number: 71618 — Sample Comment: — Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-96-5	**MANGANESE, Dissolved**	2.75	0.001	0.0002	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227B4	
7439-89-6	**IRON, Dissolved**	3.00	0.050	0.001	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227B4	
7440-70-2	**CALCIUM**	92.9	0.5	0.008	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7439-95-4	**MAGNESIUM**	65.2	0.5	0.01	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7439-96-5	**MANGANESE**	2.99	0.001	0.001	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7439-89-6	**IRON**	3.21	0.050	0.003	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7440-09-7	**POTASSIUM**	6.0	0.5	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7440-23-5	**SODIUM**	17.9	1	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7440-47-3	**CHROMIUM, Dissolved**	0.0018	0.001	8.80E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-62-2	**VANADIUM, Dissolved**	0.0016	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-48-4	**COBALT, Dissolved**	0.0012	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-02-0	**NICKEL, Dissolved**	0.0079	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-50-8	**COPPER, Dissolved**	0.0004 J	0.002	5.00E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-66-6	**ZINC, Dissolved**	0.0005 J	0..0025	0.00017	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-38-2	**ARSENIC, Dissolved**	0.0395	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7782-49-2	**SELENIUM, Dissolved**	0.0014	0.001	0.00011	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-36-0	**ANTIMONY, Dissolved**	0.00014 J	0.001	0.0001	mg/L	1.0	200.8/FldFilter	a	12/30/24	BJ	200.8_241230B5	
7440-39-3	**BARIUM, Dissolved**	0.0369	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0005	1.80E-05	mg/L	1.0	200.8/FldFilter	a	12/19/24	EBVP	200.8_241219HB5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-38-2	**ARSENIC**	0.0372	0.0005	0.0004	mg/L	1.0	200.8/TR	a	12/27/24	BJ	200.8_241227A5	
16887-00-6	**CHLORIDE**	70.4	0.1	0.01	mg/L	1.0	300.0	a	12/18/24	EBVP	IC05_241217A	
14808-79-8	**SULFATE**	7.6	0.2	0.04	mg/L	1.0	300.0	a	12/18/24	EBVP	IC05_241217A	
7664-41-7	**AMMONIA-N**	0.25	0.010	0.0066	mg/L	1.0	350.1	a	12/27/24	SPM2	350.1_241227B	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

eurofins | Environment Testing Edge Analytical

Reference Number: **24-37205**
Report Date: 1/16/25

Data Report

Sample Description: 3328 Inman LF | Matrix W | Sample Date: 12/16/24 11:50 am
Lab Number: 71618 | Sample Comment: | Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
NA	**BICARBONATE**	436	5.0		mg CaCO3/L	5.0	SM2320 B	a	12/20/24	ATH	ALK_241220	
E-14506	**ALKALINITY**	436	5.0		mg CaCO3/L	5.0	SM2320 B	a	12/20/24	ATH	ALK_241220	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	584	10		mg/L	1.0	SM2540 C	a	12/27/24	JER	TDS_241223	
14797-55-8	**NITRATE-N**	0.00740 J	0.1		mg/L	1.0	SM4500-NO3 F	a	12/17/24	CJK2	NO3NO2_241217	
14797-65-0	**NITRITE-N**	0.013	0.1		mg/L	1.0	SM4500-NO3 F	a	12/17/24	CJK2	NO3NO2_241217	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	20	3.63	mg/L	1.0	SM5220 D	a	12/17/24	ATH	COD_241217	
E-10195	**TOTAL ORGANIC CARBON**	2.12	0.15	0.12	mg/L	1.0	SM5310 B	a	12/23/24	RMC	TOC_241223A3	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

eurofins | Environment Testing Edge Analytical

Reference Number: **24-37205**
Report Date: 1/16/25

Data Report

Sample Description: 3334 Inman LF | Matrix W | Sample Date: 12/16/24 1:45 pm
Lab Number: 71619 | Sample Comment: | Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-89-6	**IRON, Dissolved**	0.008 J	0.050	0.001	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227B4	
7440-70-2	**CALCIUM**	43.3	0.5	0.008	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7439-95-4	**MAGNESIUM**	17.4	0.5	0.01	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7439-96-5	**MANGANESE**	0.0064	0.001	0.001	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7439-89-6	**IRON**	0.02 J	0.050	0.003	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7440-09-7	**POTASSIUM**	2.4	0.5	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7440-23-5	**SODIUM**	4.3	1	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227L4	
7440-47-3	**CHROMIUM, Dissolved**	0.0007 J	0.001	8.80E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-62-2	**VANADIUM, Dissolved**	0.0014	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-48-4	**COBALT, Dissolved**	0.0002 J	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-02-0	**NICKEL, Dissolved**	0.0020	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7439-96-5	**MANGANESE, Dissolved**	0.0007 J	0.001	3.50E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-50-8	**COPPER, Dissolved**	0.0017 J	0.002	5.00E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-66-6	**ZINC, Dissolved**	0.0006 J	0.0025	0.00017	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-38-2	**ARSENIC, Dissolved**	0.0007 J	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7782-49-2	**SELENIUM, Dissolved**	0.0005 J	0.001	0.00011	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-36-0	**ANTIMONY, Dissolved**	ND	0.005	0.0001	mg/L	1.0	200.8/FldFilter	a	12/30/24	BJ	200.8_241230B5	
7440-39-3	**BARIUM, Dissolved**	0.0229	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0005	1.80E-05	mg/L	1.0	200.8/FldFilter	a	12/19/24	EBVP	200.8_241219HB5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	12/26/24	BJ	200.8_241226E5	
7440-38-2	**ARSENIC**	0.0013	0.0005	0.0004	mg/L	1.0	200.8/TR	a	12/27/24	BJ	200.8_241227A5	
16887-00-6	**CHLORIDE**	1.9	0.1	0.01	mg/L	1.0	300.0	a	12/18/24	EBVP	IC05_241217A	
14808-79-8	**SULFATE**	10.0	0.2	0.04	mg/L	1.0	300.0	a	12/18/24	EBVP	IC05_241217A	
7664-41-7	**AMMONIA-N**	ND	0.010	0.0066	mg/L	1.0	350.1	a	12/27/24	SPM2	350.1_241227B	
NA	**BICARBONATE**	151	1.0		mg CaCO3/L	1.0	SM2320 B	a	12/20/24	ATH	ALK_241220	
E-14506	**ALKALINITY**	151	1.0		mg CaCO3/L	1.0	SM2320 B	a	12/20/24	ATH	ALK_241220	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	207	10		mg/L	1.0	SM2540 C	a	12/27/24	JER	TDS_241223	
14797-55-8	**NITRATE-N**	3.07	0.200		mg/L	2.0	SM4500-NO3 F	a	12/17/24	CJK2	NO3NO2_241217	
14797-65-0	**NITRITE-N**	ND	0.200		mg/L	2.0	SM4500-NO3 F	a	12/17/24	CJK2	NO3NO2_241217	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	20	3.63	mg/L	1.0	SM5220 D	a	12/17/24	ATH	COD_241217	
E-10195	**TOTAL ORGANIC CARBON**	2.57	0.15	0.12	mg/L	1.0	SM5310 B	a	12/23/24	RMC	TOC_241223A3	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

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20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

WSDOE Lab C567

DATA REPORT

Client Name: Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

Reference Number: **24-37205**
Project: Inman Landfill #2

Lab Number: 71618
Field ID: 3328
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/16/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/16/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

Form: c608.rpt

Lab Number: 71618
Field ID: 3328
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/16/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/16/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**ND**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**ND**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	

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D.F. - Dilution Factor.

Lab Number: 71618
Field ID: 3328
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/16/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/16/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**1.9**		ug/L	0.5	0.16	1.00	a	

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D.F. - Dilution Factor.

Lab Number: 71618
Field ID: 3328
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/16/24
Extraction Date: 12/16/24
Extraction Method: 5030B

Report Date: 1/16/25
Date Analyzed: 12/16/24
Analyst: NML
Analytical Method: 8260SIM
Batch: SIM_241216
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**ND**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**3.6**	J	ug/L	5	1.42	1.00	a	

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D.F. - Dilution Factor.

Lab Number: 71619
Field ID: 3334
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/16/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/16/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	

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D.F. - Dilution Factor.

Lab Number: 71619
Field ID: 3334
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/16/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/16/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**ND**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**ND**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	

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Lab Number: 71619
Field ID: 3334
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/16/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/16/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**ND**		ug/L	0.5	0.16	1.00	a	

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D.F. - Dilution Factor.

Lab Number: 71619
Field ID: 3334
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/16/24
Extraction Date: 12/16/24
Extraction Method: 5030B

Report Date: 1/16/25
Date Analyzed: 12/16/24
Analyst: NML
Analytical Method: 8260SIM
Batch: SIM_241216
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**ND**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**ND**		ug/L	5	1.42	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Calibration Check

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227B4	2	IRON, Dissolved	1.02	1	mg/L	200.7	102	90-110		CAL	
	2	MANGANESE, Dissolved	1.04	1	mg/L	200.7	104	90-110		CAL	
200.7_241227L4	2	IRON	1.02	1	mg/L	200.7	102	90-110		CAL	
	2	MANGANESE	1.04	1	mg/L	200.7	104	90-110		CAL	
	2	CALCIUM	11.3	11	mg/L	200.7	103	90-110		CAL	
	2	MAGNESIUM	11.3	11	mg/L	200.7	103	90-110		CAL	
	2	POTASSIUM	8.7	8.5	mg/L	200.7	102	90-110		CAL	
	2	SODIUM	11.4	11	mg/L	200.7	104	90-110		CAL	
200.8_241219HB	0	MERCURY, Dissolved	0.00011	0.0001	mg/L	200.8	110	80-120		CAL	
200.8_241226E5	0	ARSENIC, Dissolved	0.00102	0.001	mg/L	200.8	102	80-120		CAL	
	0	BARIUM, Dissolved	0.00103	0.001	mg/L	200.8	103	80-120		CAL	
	0	CADMIUM, Dissolved	0.00097	0.001	mg/L	200.8	97	80-120		CAL	
	0	CHROMIUM, Dissolved	0.00104	0.001	mg/L	200.8	104	80-120		CAL	
	0	COBALT, Dissolved	0.00105	0.001	mg/L	200.8	105	80-120		CAL	
	0	COPPER, Dissolved	0.00093	0.001	mg/L	200.8	93	80-120		CAL	
	0	LEAD, Dissolved	0.001	0.001	mg/L	200.8	100	80-120		CAL	
	0	MANGANESE, Dissolved	0.00106	0.001	mg/L	200.8	106	80-120		CAL	
	0	NICKEL, Dissolved	0.00109	0.001	mg/L	200.8	109	80-120		CAL	
	0	VANADIUM, Dissolved	0.00105	0.001	mg/L	200.8	105	80-120		CAL	
	0	ZINC, Dissolved	0.00104	0.001	mg/L	200.8	104	80-120		CAL	
	0	SELENIUM, Dissolved	0.001	0.001	mg/L	200.8	100	80-120		CAL	
200.8_241227A5	0	ARSENIC	0.00102	0.001	mg/L	200.8	102	80-120		CAL	
200.8_241230B5	0	ANTIMONY, Dissolved	0.00108	0.001	mg/L	200.8	108	80-120		CAL	
350.1_241227B	0	AMMONIA-N	2.68	2.5	mg/L	350.1	107	90-110		CAL	
COD_241217	0	CHEMICAL OXYGEN DEMAND	49	50	mg/L	SM5220 D	98	90-110		CAL	
IC05_241217A	0	CHLORIDE	0.9	1	mg/L	300.0	90	90-110		CAL	
	0	SULFATE	1.9	2	mg/L	300.0	95	90-110		CAL	
NO3NO2_241217	0	NITRATE-N	0.497	0.50	mg/L	SM4500-NO3 F	99	90-110		CAL	
	0	NITRITE-N	0.500	0.50	mg/L	SM4500-NO3 F	100	90-110		CAL	
TOC_241223A3	0	TOTAL ORGANIC CARBON	2.42	2.5	mg/L	SM5310 B	97	90-110		CAL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227B4	1	IRON, Dissolved	0.499	0.5	mg/L	200.7	100	85-115		LFB	
	1	MANGANESE, Dissolved	0.507	0.5	mg/L	200.7	101	85-115		LFB	
200.7_241227L4	2	IRON	0.256	0.25	mg/L	200.7	102	85-115		LFB	
	2	MANGANESE	0.262	0.25	mg/L	200.7	105	85-115		LFB	
	2	CALCIUM	7.3	6.5	mg/L	200.7	112	85-115		LFB	
	2	MAGNESIUM	7.1	6.5	mg/L	200.7	109	85-115		LFB	
	2	POTASSIUM	8.8	8.75	mg/L	200.7	101	85-115		LFB	
	2	SODIUM	7.2	6.5	mg/L	200.7	111	85-115		LFB	
200.8_241219HB	0	MERCURY, Dissolved	0.00053	0.0005	mg/L	200.8	106	85-115		LFB	
200.8_241226E5	0	ARSENIC, Dissolved	0.0098	0.01	mg/L	200.8	98	85-115		LFB	
	0	BARIUM, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	CADMIUM, Dissolved	0.0095	0.01	mg/L	200.8	95	85-115		LFB	
	0	CHROMIUM, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	COBALT, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	COPPER, Dissolved	0.0092	0.01	mg/L	200.8	92	85-115		LFB	
	0	LEAD, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
	0	MANGANESE, Dissolved	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	NICKEL, Dissolved	0.0105	0.01	mg/L	200.8	105	85-115		LFB	
	0	VANADIUM, Dissolved	0.0098	0.01	mg/L	200.8	98	85-115		LFB	
	0	ZINC, Dissolved	0.0104	0.01	mg/L	200.8	104	85-115		LFB	
	0	SELENIUM, Dissolved	0.0098	0.01	mg/L	200.8	98	85-115		LFB	
200.8_241227A5	0	ARSENIC	0.0128	0.0125	mg/L	200.8	102	85-115		LFB	
200.8_241230B5	0	ANTIMONY, Dissolved	0.0097	0.01	mg/L	200.8	97	85-115		LFB	
350.1_241227B	0	AMMONIA-N	0.96	1	mg/L	350.1	96	85-115		LFB	
8260W_241223	0	1,1 - DICHLOROETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,1 - DICHLOROETHYLENE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	1,1 - DICHLOROPROPENE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	1,1,1 - TRICHLOROETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,1,1,2 - TETRACHLOROETHANE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	1,1,2 - TRICHLOROETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,1,2 - TRICHLOROTRIFLUOROETHANE	7.8	10	ug/L	8260D	78	80-120	LR	LFB	
	0	1,1,2,2 - TETRACHLOROETHANE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	1,2 - DICHLOROBENZENE (ortho)	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	1,2 - DICHLOROETHANE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	1,2 - DICHLOROPROPANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,2,3 - TRICHLOROBENZENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	1,2,3 - TRICHLOROPROPANE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	1,2,4 - TRICHLOROBENZENE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	1,2,4 - TRIMETHYLBENZENE	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10.9	10	ug/L	8260D	109	80-120		LFB	
	0	1,3 - DICHLOROBENZENE (meta)	11.4	10	ug/L	8260D	114	80-120		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	1,3 - DICHLOROPROPANE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	1,3,5 - TRIMETHYLBENZENE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	1,4 - DICHLOROBENZENE (para)	11.0	10	ug/L	8260D	110	80-120		LFB	
	0	1-CHLOROBUTANE	9.5	10	ug/L	8260D	95	80-120		LFB	
	0	2,2 - DICHLOROPROPANE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	2-BUTANONE (MEK)	11.7	10	ug/L	8260D	117	80-120		LFB	
	0	2-CHLOROETHYL VINYL ETHER	9.8	10	ug/L	8260D	98	80-120		LFB	
	0	2-HEXANONE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	2-NITROPROPANE	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	4-METHYL-2-PENTANONE	11.5	10	ug/L	8260D	115	80-120		LFB	
	0	ACETONE	11.6	10	ug/L	8260D	116	80-120	LE	LFB	
	0	ACROLEIN	9.2	10	ug/L	8260D	92	80-120	LE	LFB	
	0	ACRYLONITRILE	19.4	20	ug/L	8260D	97	80-120		LFB	
	0	ALLYL CHLORIDE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	BENZENE	9.2	10	ug/L	8260D	92	80-120		LFB	
	0	BROMOBENZENE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	BROMOCHLOROMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	BROMODICHLOROMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	BROMOFORM	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	BROMOMETHANE	8.2	10	ug/L	8260D	82	80-120		LFB	
	0	CARBON DISULFIDE	8.4	10	ug/L	8260D	84	80-120	LE	LFB	
	0	CARBON TETRACHLORIDE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	CHLOROBENZENE	10.6	10	ug/L	8260D	106	80-120		LFB	
	0	CHLOROETHANE	8.3	10	ug/L	8260D	83	80-120		LFB	
	0	CHLOROFORM	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	CHLOROMETHANE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	CIS - 1,2 - DICHLOROETHENE	9.5	10	ug/L	8260D	95	80-120		LFB	
	0	CIS - 1,3 - DICHLOROPROPENE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	DIBROMOCHLOROMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	DIBROMOMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	DICHLORODIFLUOROMETHANE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	DICHLOROFLUOROMETHANE (FREON-21)	9.8	10	ug/L	8260D	98	80-120		LFB	
	0	DIETHYL ETHER	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	ETHYL METHACRYLATE	10.3	10	ug/L	8260D	103	80-120		LFB	
	0	ETHYLBENZENE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	HEXACHLOROBUTADIENE	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	HEXACHLOROETHANE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	ISOPROPYLBENZENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	M,P- XYLENE	22.4	20	ug/L	8260D	112	80-120		LFB	
	0	METHACRYLONITRILE	10.0	10	ug/L	8260D	100	80-120		LFB	
	0	METHYL ACRYLATE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	METHYL IODIDE	9.4	10	ug/L	8260D	94	80-120	LE	LFB	
	0	METHYL METHACRYLATE	10.6	10	ug/L	8260D	106	80-120		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	METHYL TERT-BUTYL ETHER	9.5	10	ug/L	8260D	95	80-120		LFB	
	0	METHYLENE CHLORIDE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	N - BUTYLBENZENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	N - PROPYLBENZENE	11.8	10	ug/L	8260D	118	80-120		LFB	
	0	NAPHTHALENE	11.5	10	ug/L	8260D	115	80-120		LFB	
	0	O - CHLOROTOLUENE	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	O - XYLENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	P - CHLOROTOLUENE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	P - ISOPROPYLTOLUENE	11.5	10	ug/L	8260D	115	80-120		LFB	
	0	PENTACHLOROETHANE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	SEC - BUTYLBENZENE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	STYRENE	11.9	10	ug/L	8260D	119	80-120		LFB	
	0	TERT - BUTYLBENZENE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	TETRACHLOROETHYLENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TETRAHYDROFURAN	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	TOLUENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TRANS - 1,2 - DICHLOROETHENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TRANS - 1,3 - DICHLOROPROPENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TRANS - 1,4 - DICHLORO-2-BUTENE	12.0	10	ug/L	8260D	120	80-120		LFB	
	0	TRICHLOROETHENE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	TRICHLOROFLUOROMETHANE	8.2	10	ug/L	8260D	82	80-120		LFB	
	0	VINYL CHLORIDE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	(FREON 22) CHLORODIFLUOROMETHANE	10.6	10	ug/L	8260D	106	80-120		LFB	
ALK_241220	0	ALKALINITY	103	100	mg CaCO3/L	SM2320 B	103	90-110		LFB	
COD_241217	0	CHEMICAL OXYGEN DEMAND	51	50	mg/L	SM5220 D	102	90-110		LFB	
	0	CHEMICAL OXYGEN DEMAND	52	50	mg/L	SM5220 D	104	90-110		LFB	
	0	CHEMICAL OXYGEN DEMAND	53	50	mg/L	SM5220 D	106	90-110		LFB	
NO3NO2_241217	0	NITRATE-N	2.00	2.00	mg/L	SM4500-NO3 F	100	90-110		LFB	
	0	NITRITE-N	2.03	2.00	mg/L	SM4500-NO3 F	102	90-110		LFB	
SIM_241216	0	1,2 - DIBROMOETHANE (EDB SIM)	0.094	0.1	ug/L	8260SIM	94	80-120		LFB	SIMS ANALYSIS
	0	1,4-DIOXANE (SIM)	9.5	10	ug/L	8260SIM	95	80-120		LFB	SIMS ANALYSIS
	0	ACRYLONITRILE (SIM)	0.091	0.1	ug/L	8260SIM	91	80-120		LFB	SIMS ANALYSIS
	0	VINYL CHLORIDE (SIM)	0.094	0.1	ug/L	8260SIM	94	80-120		LFB	SIMS ANALYSIS
TOC_241223A3	0	TOTAL ORGANIC CARBON	0.97	1	mg/L	SM5310 B	97	90-110		LFB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Laboratory Reagent Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227B4	0	IRON, Dissolved	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		LRB	
200.7_241227L4	0	IRON	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE	ND		mg/L	200.7		0-0		LRB	
	0	CALCIUM	ND		mg/L	200.7		0-0		LRB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		LRB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		LRB	
	0	SODIUM	ND		mg/L	200.7		0-0		LRB	
200.8_241219HB	0	MERCURY, Dissolved	ND		mg/L	200.8		0-0		LRB	
200.8_241226E5	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	MANGANESE, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
200.8_241227A5	0	ARSENIC	ND		mg/L	200.8		0-0		LRB	
200.8_241230B5	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		LRB	
ALK_241220	0	ALKALINITY	ND		mg CaCO3/L	SM2320 B		0-1		LRB	
IC05_241217A	0	CHLORIDE	ND		mg/L	300.0		0-0		LRB	
	0	SULFATE	ND		mg/L	300.0		0-0		LRB	
NO3NO2_241217	0	NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0		LRB	
	0	NITRITE-N	ND		mg/L	SM4500-NO3 F		0-0		LRB	
TOC_241223A3	0	TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0-0		LRB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227B4	0	IRON, Dissolved	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		MB	
200.7_241227L4	0	IRON	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE	ND		mg/L	200.7		0-0		MB	
	0	CALCIUM	ND		mg/L	200.7		0-0		MB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		MB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		MB	
	0	SODIUM	ND		mg/L	200.7		0-0		MB	
200.8_241219HB	0	MERCURY, Dissolved	ND		mg/L	200.8		0-0		MB	
200.8_241226E5	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	MANGANESE, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
200.8_241227A5	0	ARSENIC	ND		mg/L	200.8		0-0		MB	
200.8_241230B5	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		MB	
350.1_241227B	0	AMMONIA-N	ND		mg/L	350.1		0-0		MB	
8260W_241223	0	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	
	0	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	
	0	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	
	0	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	
	0	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	
	0	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	2-HEXANONE	ND		ug/L	8260D		0-0		MB	
	0	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	
	0	ACETONE	ND		ug/L	8260D		0-0		MB	
	0	ACROLEIN	ND		ug/L	8260D		0-0		MB	
	0	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	
	0	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	BENZENE	ND		ug/L	8260D		0-0		MB	
	0	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	
	0	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	BROMOFORM	ND		ug/L	8260D		0-0		MB	
	0	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	
	0	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	
	0	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROFORM	ND		ug/L	8260D		0-0		MB	
	0	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	
	0	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	
	0	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	
	0	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	
	0	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	
	0	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	
	0	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	O - XYLENE	ND		ug/L	8260D		0-0		MB	
	0	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	STYRENE	ND		ug/L	8260D		0-0		MB	
	0	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	
	0	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	
	0	TOLUENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	
	0	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	1	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-36351

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	1	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier	QC Type	Comment
8260W_241223	1	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	2	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-36552

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	2	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	2	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	3	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier	QC Type	Comment
8260W_241223	3	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	3	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	4	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-37801

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	4	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYLENE CHLORIDE	0.4		ug/L	8260D		0-0	BN	MB	TB 24-37801
	4	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-37801

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	4	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	5	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	5	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYLENE CHLORIDE	0.4		ug/L	8260D		0-0	BN	MB	TB 24-37908
	5	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-37908

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	5	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
COD_241217	0	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		0-3		MB	
NO3NO2_241217	0	NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0		MB	
	0	NITRITE-N	ND		mg/L	SM4500-NO3 F		0-0		MB	
SIM_241216	0	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	1	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0	Q2	MB	TB 24-36351
	1	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	1	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	1	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	2	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0	Q2	MB	TB 24-36552
	2	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36552
	2	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36552
	2	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36552
	3	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37205
	3	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37205
	3	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37205
	3	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37205
TDS_241223	0	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
	1	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
	2	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
TOC_241223A3	0	TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	1,1 - DICHLOROETHANE	0.32	0.4	ug/L	8260D	80	50-150		MDL	
	0	1,1 - DICHLOROETHYLENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	1,1 - DICHLOROPROPENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	1,1,1 - TRICHLOROETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	1,1,1,2 - TETRACHLOROETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	1,1,2 - TRICHLOROETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	1,1,2,2 - TETRACHLOROETHANE	0.39	0.4	ug/L	8260D	98	50-150		MDL	
	0	1,2 - DICHLOROBENZENE (ortho)	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	1,2 - DICHLOROETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	1,2 - DICHLOROPROPANE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	1,2,3 - TRICHLOROBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	1,2,3 - TRICHLOROPROPANE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	1,2,4 - TRICHLOROBENZENE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	1,2,4 - TRIMETHYLBENZENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.39	0.4	ug/L	8260D	98	50-150		MDL	
	0	1,3 - DICHLOROBENZENE (meta)	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	1,3 - DICHLOROPROPANE	0.26	0.4	ug/L	8260D	65	50-150		MDL	
	0	1,3,5 - TRIMETHYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	1,4 - DICHLOROBENZENE (para)	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	2,2 - DICHLOROPROPANE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	BENZENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	BROMOBENZENE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	BROMOCHLOROMETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	BROMODICHLOROMETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	BROMOFORM	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	BROMOMETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	CARBON TETRACHLORIDE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	CHLOROBENZENE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	CHLOROETHANE	0.36	0.4	ug/L	8260D	90	50-150		MDL	
	0	CHLOROFORM	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	CHLOROMETHANE	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	CIS - 1,2 - DICHLOROETHENE	0.25	0.4	ug/L	8260D	63	50-150		MDL	
	0	CIS - 1,3 - DICHLOROPROPENE	0.21	0.4	ug/L	8260D	53	50-150		MDL	
	0	DIBROMOCHLOROMETHANE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	DIBROMOMETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	DICHLORODIFLUOROMETHANE	0.41	0.4	ug/L	8260D	103	50-150		MDL	
	0	ETHYLBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	HEXACHLOROBUTADIENE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	ISOPROPYLBENZENE	0.21	0.4	ug/L	8260D	53	50-150		MDL	
	0	M,P- XYLENE	0.52	0.8	ug/L	8260D	65	50-150		MDL	
	0	METHYL TERT-BUTYL ETHER	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	METHYLENE CHLORIDE	0.23	0.4	ug/L	8260D	58	50-150		MDL	
	0	N - BUTYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	N - PROPYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	NAPHTHALENE	0.46	0.4	ug/L	8260D	115	50-150		MDL	
	0	O - CHLOROTOLUENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	O - XYLENE	0.22	0.4	ug/L	8260D	55	50-150		MDL	
	0	P - CHLOROTOLUENE	0.25	0.4	ug/L	8260D	63	50-150		MDL	
	0	P - ISOPROPYLTOLUENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	SEC - BUTYLBENZENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	STYRENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	TERT - BUTYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	TETRACHLOROETHYLENE	0.30	0.4	ug/L	8260D	75	50-150		MDL	
	0	TOLUENE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	TRANS - 1,2 - DICHLOROETHENE	0.26	0.4	ug/L	8260D	65	50-150		MDL	
	0	TRANS - 1,3 - DICHLOROPROPENE	0.23	0.4	ug/L	8260D	58	50-150		MDL	
	0	TRICHLOROETHENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	TRICHLOROFLUOROMETHANE	0.30	0.4	ug/L	8260D	75	50-150		MDL	
	0	VINYL CHLORIDE	0.36	0.4	ug/L	8260D	90	50-150		MDL	
SIM_241216	0	1,2 - DIBROMOETHANE (EDB SIM)	0.0100	0.01	ug/L	8260SIM	100	50-150		MDL	
	0	1,4-DIOXANE (SIM)	4.6	5	ug/L	8260SIM	92	50-150		MDL	
	0	VINYL CHLORIDE (SIM)	0.0120	0.01	ug/L	8260SIM	120	50-150		MDL	

*Notation:
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NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37205**
Report Date: 01/16/25

Quality Control Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227B4	0	IRON, Dissolved	2	2	mg/L	200.7	100	95-105		QCS	
	0	MANGANESE, Dissolved	2.02	2	mg/L	200.7	101	95-105		QCS	
200.7_241227L4	0	IRON	2	2	mg/L	200.7	100	95-105		QCS	
	0	MANGANESE	2.02	2	mg/L	200.7	101	95-105		QCS	
	1	CALCIUM	19.6	20	mg/L	200.7	98	95-105		QCS	
	1	MAGNESIUM	19.6	20	mg/L	200.7	98	95-105		QCS	
	1	POTASSIUM	19.7	20	mg/L	200.7	99	95-105		QCS	
	1	SODIUM	20	20	mg/L	200.7	100	95-105		QCS	
200.8_241219HB	0	MERCURY, Dissolved	0.00118	0.00127	mg/L	200.8	93	90-110		QCS	
200.8_241226E5	0	ARSENIC, Dissolved	0.0189	0.02	mg/L	200.8	95	90-110		QCS	
	0	BARIUM, Dissolved	0.0193	0.02	mg/L	200.8	97	90-110		QCS	
	0	CADMIUM, Dissolved	0.0186	0.02	mg/L	200.8	93	90-110		QCS	
	0	CHROMIUM, Dissolved	0.0194	0.02	mg/L	200.8	97	90-110		QCS	
	0	COBALT, Dissolved	0.0202	0.02	mg/L	200.8	101	90-110		QCS	
	0	COPPER, Dissolved	0.0184	0.02	mg/L	200.8	92	90-110		QCS	
	0	LEAD, Dissolved	0.0188	0.02	mg/L	200.8	94	90-110		QCS	
	0	MANGANESE, Dissolved	0.0199	0.02	mg/L	200.8	100	90-110		QCS	
	0	NICKEL, Dissolved	0.0212	0.02	mg/L	200.8	106	90-110		QCS	
	0	VANADIUM, Dissolved	0.0201	0.02	mg/L	200.8	101	90-110		QCS	
	0	ZINC, Dissolved	0.0195	0.02	mg/L	200.8	98	90-110		QCS	
	0	SELENIUM, Dissolved	0.0191	0.02	mg/L	200.8	96	90-110		QCS	
200.8_241227A5	0	ARSENIC	0.0194	0.02	mg/L	200.8	97	90-110		QCS	
200.8_241230B5	0	ANTIMONY, Dissolved	0.036	0.04	mg/L	200.8	90	90-110		QCS	
350.1_241227B	0	AMMONIA-N	2.55	2.5	mg/L	350.1	102	85-115		QCS	
ALK_241220	0	ALKALINITY	101	100	mg CaCO3/L	SM2320 B	101	90-110		QCS	
COD_241217	0	CHEMICAL OXYGEN DEMAND	293	284	mg/L	SM5220 D	103	90-110		QCS	
	0	CHEMICAL OXYGEN DEMAND	298	284	mg/L	SM5220 D	105	90-110		QCS	
IC05_241217A	0	CHLORIDE	6.5	6	mg/L	300.0	108	90-110		QCS	
	0	SULFATE	32.9	30	mg/L	300.0	110	90-110		QCS	
NO3NO2_241217	0	NITRATE-N	1.04	1.00	mg/L	SM4500-NO3 F	104	90-110		QCS	
	0	NITRITE-N	0.959	1.00	mg/L	SM4500-NO3 F	96	90-110		QCS	
TDS_241223	0	TOTAL DISSOLVED SOLIDS (TDS)	494	500	mg/L	SM2540 C	99	80-120		QCS	
	0	TOTAL DISSOLVED SOLIDS (TDS)	496	500	mg/L	SM2540 C	99	80-120		QCS	
TOC_241223A3	0	TOTAL ORGANIC CARBON	3.63	3.61	mg/L	SM5310 B	101	90-110		QCS	

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SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37205**
Report Date: 1/16/2025

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
200.7_241227B4									
7439-89-6	71313	IRON, Dissolved	0.05	0.05	mg/L	**0.0**	0-20		
7439-96-5	71313	MANGANESE, Dissolved	0.115	0.117	mg/L	**1.7**	0-20		
200.7_241227L4									
7440-70-2	71618	CALCIUM	92.9	91.7	mg/L	**1.3**	0-20		
7439-95-4	71618	MAGNESIUM	65.2	64.3	mg/L	**1.4**	0-20		
7440-09-7	71618	POTASSIUM	6.0	5.8	mg/L	**3.4**	0-20		
7440-23-5	71618	SODIUM	17.9	17.6	mg/L	**1.7**	0-20		
7439-89-6	71618	IRON	3.21	3.20	mg/L	**0.3**	0-20		
7439-96-5	71618	MANGANESE	2.99	3.02	mg/L	**1.0**	0-20		
7439-89-6	71784	IRON	1.35	1.38	mg/L	**2.2**	0-20		
200.8_241226E5									
7440-38-2	71359	ARSENIC, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-39-3	71359	BARIUM, Dissolved	0.0101	0.0100	mg/L	**1.0**	0-20		
7440-43-9	71359	CADMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-47-3	71359	CHROMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-50-8	71359	COPPER, Dissolved	0.0085	0.0083	mg/L	**2.4**	0-20		
7439-92-1	71359	LEAD, Dissolved	ND	ND	mg/L	**NA**	0-20		
7439-96-5	71359	MANGANESE, Dissolved	0.0024	0.0024	mg/L	**0.0**	0-20		
7440-02-0	71359	NICKEL, Dissolved	ND	ND	mg/L	**NA**	0-20		
7782-49-2	71359	SELENIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-66-6	71359	ZINC, Dissolved	0.0263	0.0258	mg/L	**1.9**	0-20		
7440-38-2	71520	ARSENIC, Dissolved	ND	ND	mg/L	**NA**	0-20		
200.8_241227A5									
7440-38-2	65871	ARSENIC	0.0147	0.0152	mg/L	**3.3**	0-20		
7440-38-2	71618	ARSENIC	0.0372	0.0350	mg/L	**6.1**	0-20		
200.8_241230B5									
7440-36-0	71086	ANTIMONY, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-36-0	71661	ANTIMONY, Dissolved	ND	ND	mg/L	**NA**	0-20		
350.1_241227B									
7664-41-7	71447	AMMONIA-N	0.12	0.12	mg/L	**0.0**	0-20		
7664-41-7	71665	AMMONIA-N	ND	ND	mg/L	**NA**	0-20		
ALK_241220									
E-14506	72816	ALKALINITY	36.3	36.4	mg CaCO3/L	**0.3**	0-20		
COD_241217									
E-10117	70287	CHEMICAL OXYGEN DEMAND	ND	ND	mg/L	**NA**	0-20		
E-10117	71618	CHEMICAL OXYGEN DEMAND	ND	ND	mg/L	**NA**	0-20		
IC05_241217A									
16887-00-6	68573	CHLORIDE	5.6	5.6	mg/L	**0.0**	0-20		
14808-79-8	68573	SULFATE	5.4	5.4	mg/L	**0.0**	0-20		
16887-00-6	68578	CHLORIDE	4.8	4.8	mg/L	**0.0**	0-20		
14808-79-8	68578	SULFATE	0.4	0.4	mg/L	**0.0**	0-20		
NO3NO2_241217									
14797-55-8	71619	NITRATE-N	3.07	3.10	mg/L	**1.0**	0-20		
14797-65-0	71619	NITRITE-N	ND	ND	mg/L	**NA**	0-20		
TDS_241223									

%RPD = Relative Percent Difference
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Only Duplicate sample with detections are listed in this report
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SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37205**
Report Date: 1/16/2025

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
E-10173	30890	TOTAL DISSOLVED SOLIDS (TDS)	91	89	mg/L	**2.2**	0-5		
E-10173	71657	TOTAL DISSOLVED SOLIDS (TDS)	270	270	mg/L	**0.0**	0-5		
E-10173	71887	TOTAL DISSOLVED SOLIDS (TDS)	166	165	mg/L	**0.6**	0-5		
E-10173	72866	TOTAL DISSOLVED SOLIDS (TDS)	198	196	mg/L	**1.0**	0-5		
TOC_241223A3									
E-10195	71883	TOTAL ORGANIC CARBON	0.17	0.15	mg/L	**12.5**	0-20		
E-10195	72595	TOTAL ORGANIC CARBON	6.43	6.34	mg/L	**1.4**	0-20		
E-10195	73029	TOTAL ORGANIC CARBON	1.53	1.48	mg/L	**3.3**	0-20		

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37205**
Report Date: 1/16/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
200.7_241227B4														
7439-89-6	71313	IRON, Dissolved	0.05	0.49	0.54	0.50	mg/L	**88**	**98**	70-130	**10.8**	0-20		
7439-96-5	71313	MANGANESE, Dissolved	0.115	0.579	0.622	0.50	mg/L	**93**	**101**	70-130	**8.9**	0-20		
200.7_241227L4														
7440-70-2	71618	CALCIUM	92.9	104		6.5	mg/L	**171**		70-130	**NA**	0-20	IS	
7439-95-4	71618	MAGNESIUM	65.2	75.0		6.5	mg/L	**151**		70-130	**NA**	0-20	IS	
7440-09-7	71618	POTASSIUM	6.0	15.6		8.75	mg/L	**110**		70-130	**NA**	0-20		
7440-23-5	71618	SODIUM	17.9	26.2		6.5	mg/L	**128**		70-130	**NA**	0-20		
7439-89-6	71618	IRON	3.21	3.59		0.25	mg/L	**152**		70-130	**NA**	0-20	IS	
7439-96-5	71618	MANGANESE	2.99	3.43		0.25	mg/L	**176**		70-130	**NA**	0-20	IS	
7439-89-6	71784	IRON	1.35	1.79		0.25	mg/L	**176**		70-130	**NA**	0-20	IS	
200.8_241219HB5														
7439-97-6	71046	MERCURY, Dissolved	ND	0.00046[illegible]	0.000474	0.0005	mg/L	**93**	**95**	70-130	**2.3**	0-0		
7439-97-6	71356	MERCURY, Dissolved	ND	0.00045[illegible]	0.000480	0.0005	mg/L	**90**	**96**	70-130	**6.5**	0-0		
200.8_241226E5														
7440-38-2	71359	ARSENIC, Dissolved	ND	0.0101		0.010	mg/L	**101**		70-130	**NA**	0-20		
7440-39-3	71359	BARIUM, Dissolved	0.0101	0.0197		0.010	mg/L	**96**		70-130	**NA**	0-20		
7440-43-9	71359	CADMIUM, Dissolved	ND	0.0094		0.010	mg/L	**94**		70-130	**NA**	0-20		
7440-47-3	71359	CHROMIUM, Dissolved	ND	0.0101		0.010	mg/L	**101**		70-130	**NA**	0-20		
7440-50-8	71359	COPPER, Dissolved	0.0085	0.0171		0.010	mg/L	**86**		70-130	**NA**	0-20		
7439-92-1	71359	LEAD, Dissolved	ND	0.0102		0.010	mg/L	**102**		70-130	**NA**	0-20		
7439-96-5	71359	MANGANESE, Dissolved	0.0024	0.0125		0.010	mg/L	**101**		70-130	**NA**	0-20		
7440-02-0	71359	NICKEL, Dissolved	ND	0.0109		0.010	mg/L	**109**		70-130	**NA**	0-20		
7782-49-2	71359	SELENIUM, Dissolved	ND	0.0098		0.010	mg/L	**98**		70-130	**NA**	0-20		
7440-66-6	71359	ZINC, Dissolved	0.0263	0.0355		0.010	mg/L	**92**		70-130	**NA**	0-20		
7440-38-2	71520	ARSENIC, Dissolved	ND	0.0103		0.010	mg/L	**103**		70-130	**NA**	0-20		
200.8_241227A5														
7440-38-2	65871	ARSENIC	0.0147	0.0259		0.0125	mg/L	**90**		70-130	**NA**	0-20		
7440-38-2	71618	ARSENIC	0.0372	0.0519		0.0125	mg/L	**118**		70-130	**NA**	0-20		
200.8_241230B5														
7440-36-0	71086	ANTIMONY, Dissolved	ND	0.0101		0.010	mg/L	**101**		70-130	**NA**	0-20		
7440-36-0	71661	ANTIMONY, Dissolved	ND	0.0102		0.010	mg/L	**102**		70-130	**NA**	0-20		
350.1_241227B														
7664-41-7	71447	AMMONIA-N	0.12	1.12	1.12	1	mg/L	**100**	**100**	70-130	**0.0**	0-20		
7664-41-7	71665	AMMONIA-N	ND	0.96	1.03	1	mg/L	**96**	**103**	70-130	**7.0**	0-20		
8260W_241223														
75-34-3	70287	1,1 - DICHLOROETHANE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
75-35-4	70287	1,1 - DICHLOROETHYLENE	ND	3.6	3.9	4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
563-58-6	70287	1,1 - DICHLOROPROPENE	ND	3.3	3.6	4	ug/L	**83**	**90**	70-130	**8.7**	0-30		
71-55-6	70287	1,1,1 - TRICHLOROETHANE	ND	3.6	3.9	4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
630-20-6	70287	1,1,1,2 - TETRACHLOROETHANE	ND	4.3	4.4	4	ug/L	**108**	**110**	70-130	**2.3**	0-30		
79-00-5	70287	1,1,2 - TRICHLOROETHANE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
79-34-5	70287	1,1,2,2 - TETRACHLOROETHANE	ND	4.3	4.7	4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
95-50-1	70287	1,2 - DICHLOROBENZENE (ortho)	ND	4.3	4.6	4	ug/L	**108**	**115**	70-130	**6.7**	0-30		
107-06-2	70287	1,2 - DICHLOROETHANE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		

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SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37205**
Report Date: 1/16/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
78-87-5	70287	1,2 - DICHLOROPROPANE	ND	3.5	3.7	4	ug/L	**88**	**93**	70-130	**5.6**	0-30		
87-61-6	70287	1,2,3 - TRICHLOROBENZENE	ND	3.9	4.5	4	ug/L	**98**	**113**	70-130	**14.3**	0-30		
96-18-4	70287	1,2,3 - TRICHLOROPROPANE	ND	4.0	4.6	4	ug/L	**100**	**115**	70-130	**14.0**	0-30		
120-82-1	70287	1,2,4 - TRICHLOROBENZENE	ND	3.6	4.2	4	ug/L	**90**	**105**	70-130	**15.4**	0-30		
95-63-6	70287	1,2,4 - TRIMETHYLBENZENE	ND	4.4	4.7	4	ug/L	**110**	**118**	70-130	**6.6**	0-30		
96-12-8	70287	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND	3.9	4.3	4	ug/L	**98**	**108**	70-130	**9.8**	0-30		
541-73-1	70287	1,3 - DICHLOROBENZENE (meta)	ND	4.2	4.5	4	ug/L	**105**	**113**	70-130	**6.9**	0-30		
142-28-9	70287	1,3 - DICHLOROPROPANE	ND	3.6	3.7	4	ug/L	**90**	**93**	70-130	**2.7**	0-30		
108-67-8	70287	1,3,5 - TRIMETHYLBENZENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
106-46-7	70287	1,4 - DICHLOROBENZENE (para)	ND	4.1	4.4	4	ug/L	**103**	**110**	70-130	**7.1**	0-30		
594-20-7	70287	2,2 - DICHLOROPROPANE	ND	3.3	3.5	4	ug/L	**83**	**88**	70-130	**5.9**	0-30		
71-43-2	70287	BENZENE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
108-86-1	70287	BROMOBENZENE	ND	4.0	4.5	4	ug/L	**100**	**113**	70-130	**11.8**	0-30		
74-97-5	70287	BROMOCHLOROMETHANE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
75-27-4	70287	BROMODICHLOROMETHANE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
75-25-2	70287	BROMOFORM	ND	3.5	3.9	4	ug/L	**88**	**98**	70-130	**10.8**	0-30		
74-83-9	70287	BROMOMETHANE	ND	3.4	3.5	4	ug/L	**85**	**88**	70-130	**2.9**	0-30		
56-23-5	70287	CARBON TETRACHLORIDE	ND	4.0	4.2	4	ug/L	**100**	**105**	70-130	**4.9**	0-30		
108-90-7	70287	CHLOROBENZENE	ND	4.3	4.5	4	ug/L	**108**	**113**	70-130	**4.5**	0-30		
75-00-3	70287	CHLOROETHANE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
67-66-3	70287	CHLOROFORM	ND	3.9	4.0	4	ug/L	**98**	**100**	70-130	**2.5**	0-30		
74-87-3	70287	CHLOROMETHANE	ND	3.9	3.9	4	ug/L	**98**	**98**	70-130	**0.0**	0-30		
156-59-2	70287	CIS - 1,2 - DICHLOROETHENE	ND	3.4	3.8	4	ug/L	**85**	**95**	70-130	**11.1**	0-30		
10061-01-5	70287	CIS - 1,3 - DICHLOROPROPENE	ND	3.2	3.5	4	ug/L	**80**	**88**	70-130	**9.0**	0-30		
124-48-1	70287	DIBROMOCHLOROMETHANE	ND	3.5	3.8	4	ug/L	**88**	**95**	70-130	**8.2**	0-30		
74-95-3	70287	DIBROMOMETHANE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
75-71-8	70287	DICHLORODIFLUOROMETHANE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
100-41-4	70287	ETHYLBENZENE	ND	4.3	4.6	4	ug/L	**108**	**115**	70-130	**6.7**	0-30		
87-68-3	70287	HEXACHLOROBUTADIENE	ND	4.4	5.1	4	ug/L	**110**	**128**	70-130	**14.7**	0-30		
98-82-8	70287	ISOPROPYLBENZENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
179601-23-1	70287	M,P- XYLENE	ND	9.0	9.7	8	ug/L	**113**	**121**	70-130	**7.5**	0-30		
1634-04-4	70287	METHYL TERT-BUTYL ETHER	ND	3.0	3.5	4	ug/L	**75**	**88**	70-130	**15.4**	0-30		
75-09-2	70287	METHYLENE CHLORIDE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
104-51-8	70287	N - BUTYLBENZENE	ND	4.1	4.5	4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
103-65-1	70287	N - PROPYLBENZENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
91-20-3	70287	NAPHTHALENE	ND	3.0	3.6	4	ug/L	**75**	**90**	70-130	**18.2**	0-30		
95-49-8	70287	O - CHLOROTOLUENE	ND	4.3	4.7	4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
95-47-6	70287	O - XYLENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
106-43-4	70287	P - CHLOROTOLUENE	ND	4.3	4.6	4	ug/L	**108**	**115**	70-130	**6.7**	0-30		
99-87-6	70287	P - ISOPROPYLTOLUENE	ND	4.4	4.8	4	ug/L	**110**	**120**	70-130	**8.7**	0-30		
135-98-8	70287	SEC - BUTYLBENZENE	ND	4.5	5.0	4	ug/L	**113**	**125**	70-130	**10.5**	0-30		
100-42-5	70287	STYRENE	ND	4.6	5.0	4	ug/L	**115**	**125**	70-130	**8.3**	0-30		
98-06-6	70287	TERT - BUTYLBENZENE	ND	4.6	5.0	4	ug/L	**115**	**125**	70-130	**8.3**	0-30		
127-18-4	70287	TETRACHLOROETHYLENE	ND	3.5	3.6	4	ug/L	**88**	**90**	70-130	**2.8**	0-30		
108-88-3	70287	TOLUENE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
156-60-5	70287	TRANS - 1,2 - DICHLOROETHENE	ND	3.5	3.7	4	ug/L	**88**	**93**	70-130	**5.6**	0-30		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37205**
Report Date: 1/16/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
10061-02-6	70287	TRANS - 1,3 - DICHLOROPROPENE	ND	3.1	3.4	4	ug/L	**78**	**85**	70-130	**9.2**	0-30		
79-01-6	70287	TRICHLOROETHENE	ND	3.5	3.8	4	ug/L	**88**	**95**	70-130	**8.2**	0-30		
75-69-4	70287	TRICHLOROFLUOROMETHANE	ND	3.4	3.5	4	ug/L	**85**	**88**	70-130	**2.9**	0-30		
75-01-4	70287	VINYL CHLORIDE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
COD_241217														
E-10117	70287	CHEMICAL OXYGEN DEMAND	13	55	54	50	mg/L	**84**	**82**	70-130	**2.4**	0-20		
E-10117	71618	CHEMICAL OXYGEN DEMAND	12	61	62	50	mg/L	**98**	**100**	70-130	**2.0**	0-20		
IC05_241217A														
16887-00-6	68573	CHLORIDE	5.6	6.6		1	mg/L	**100**		90-110	**NA**	0-20		
14808-79-8	68573	SULFATE	5.4	7.5		2	mg/L	**105**		90-110	**NA**	0-20		
16887-00-6	68578	CHLORIDE	4.8	5.8		1	mg/L	**100**		90-110	**NA**	0-20		
14808-79-8	68578	SULFATE	0.4	2.4		2	mg/L	**100**		90-110	**NA**	0-20		
NO3NO2_241217														
14797-55-8	71619	NITRATE-N	3.07	3.55	3.58	0.50	mg/L	**96**	**102**	80-120	**6.1**	0-20		
14797-65-0	71619	NITRITE-N	ND	0.482	0.486	0.50	mg/L	**96**	**97**	80-120	**0.8**	0-20		
SIM_241216														
106-93-4	70287	1,2 - DIBROMOETHANE (EDB SIM)	ND	0.101	0.103	0.1	ug/L	**101**	**103**	70-130	**2.0**	0-30		
123-91-1	70287	1,4-DIOXANE (SIM)	ND	10.4	10.9	10	ug/L	**104**	**109**	70-130	**4.7**	0-30		
107-13-1	70287	ACRYLONITRILE (SIM)	ND	0.095	0.097	0.1	ug/L	**95**	**97**	70-130	**2.1**	0-30		
75-01-4	70287	VINYL CHLORIDE (SIM)	ND	0.103	0.105	0.1	ug/L	**103**	**105**	70-130	**1.9**	0-30		
TOC_241223A3														
E-10195	71883	TOTAL ORGANIC CARBON	0.17	3.91		4	mg/L	**94**		70-130	**NA**	0-20		
E-10195	72595	TOTAL ORGANIC CARBON	6.43	10.2		4	mg/L	**94**		70-130	**NA**	0-20		
E-10195	73029	TOTAL ORGANIC CARBON	1.53	4.52		4	mg/L	**75**		70-130	**NA**	0-20		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 24-37205
Report Date: 01/16/25

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8260W_241223						
71618	1,2 - DICHLOROETHANE-d4 (SURR)	117		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	114		%		
	4-BROMOFLUOROBENZENE (Surr)	89		%		
	d8-TOLUENE (Surr)	100		%		Acceptance Range: 50-150%
SIM_241216						
71618	d8-TOLUENE (Surr)	96		%	8260SIM	Acceptance Range: 50-150%
8260W_241223						
71619	1,2 - DICHLOROETHANE-d4 (SURR)	118		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	116		%		
	4-BROMOFLUOROBENZENE (Surr)	90		%		
	d8-TOLUENE (Surr)	101		%		Acceptance Range: 50-150%
SIM_241216						
71619	d8-TOLUENE (Surr)	97		%	8260SIM	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a meA surrogate is a pure compound added to a sample in the la

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 24-37205
Report Date: 01/16/25

Qualifier	Definition
BN	This compound was detected in the Trip Blank, but not in the associated field sample. No further action taken.
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
LE	The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the MRL. No sample detections so no further action for this analysis batch.
Q2	Sample received with head space.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

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Edge Analytical

INVOICE

Client No: SKA02

Client: SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273

Attn: Ms. Meghan MacMullen

Please include Reference number with payment

Reference: **24-37205**
Date: January 16, 2025
Project: Inman Landfill #2
Date Received: December 16, 2024
Purchase Order: Landfill Pkg - Inman #2

Item	Lab Sample Number	Client Sample Number and Description	Type of Analysis	Turnaround	Extended Cost
1	71618.00	3328 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
2	71618.00	3328 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	
3	71618.00	3328 - Inman LF	Total Organic Carbon	Standard	
4	71618.00	3328 - Inman LF	Minerals in Water	Standard	
5	71618.00	3328 - Inman LF	Dissolved Metals	Standard	
6	71618.00	3328 - Inman LF	Ammonia	Standard	
7	71618.10	3328 - Inman LF	Chemical Oxygen Demand	Standard	
8	71618.10	3328 - Inman LF	Ion Chromatography-Anions	Standard	
9	71618.10	3328 - Inman LF	Total Dissolved Solids	Standard	
10	71618.10	3328 - Inman LF	ALKALINITY	Standard	
11	71618.10	3328 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
12	71618.10	3328 - Inman LF	Total Metals in Water	Standard	
13	71619.00	3334 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
14	71619.00	3334 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	
15	71619.00	3334 - Inman LF	Total Organic Carbon	Standard	
16	71619.00	3334 - Inman LF	Minerals in Water	Standard	
17	71619.00	3334 - Inman LF	Dissolved Metals	Standard	
18	71619.00	3334 - Inman LF	Ammonia	Standard	
19	71619.10	3334 - Inman LF	Chemical Oxygen Demand	Standard	
20	71619.10	3334 - Inman LF	Ion Chromatography-Anions	Standard	
21	71619.10	3334 - Inman LF	Total Dissolved Solids	Standard	
22	71619.10	3334 - Inman LF	ALKALINITY	Standard	
23	71619.10	3334 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
24	71619.10	3334 - Inman LF	Total Metals in Water	Standard	
				Grand Total:	$1,070.00

Thank You for Your Business

Please pay to corporate office by February 15, 2025 to avoid a 1.5% per month finance charge.

INVOICE

Client No: SKA02

Client: SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273

Attn: Ms. Meghan MacMullen

Please include Reference number with payment

Reference: **24-37205**
Date: January 16, 2025
Project: Inman Landfill #2
Date Received: December 16, 2024
Purchase Order: Landfill Pkg - Inman #2

Item	Lab Sample Number	Client Sample Number and Description	Type of Analysis	Turnaround	Extended Cost
				Amount Paid:	$0.00
			Amount Due	(US Dollars):	**$1,070.00**

Please Detach Here ^ and return this portion with your payment

Reference: **24-37205**
Amount Due: $1,070.00 in USD

SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273
SKA02

Form: invoice.rpt

NEW Please Remit To:
Eurofins Environment Testing Northwest, LLC
PO BOX 1451, Carol Stream, IL 60132-1451

OR you can pay on-line at:
https://smartpay.profitstars.com/express/CUS033EETNW

Chain of Custody / Analysis Request (Please complete ...) 24-37205

71618 - 71619

Page_____ of_____

Report to:	Skagit County Public Works	Bill to:		SKA02	**For Lab Use Only**
Ship Address:	1800 Continental Place	Address:			Ref #
City:	Mount Vernor St: WA Zip: 98273	City:	St:	Zip:	**Check Regulatory Program**
Attn:	Russell Thompson	Phone:	FAX:		☐ Safe Drinking Water Act
Phone:	360.416-1400 FAX:	P.O.#:	Attn:		☐ Clean Water Act
Email:	margog@co.skagit.wa.us;meghanm@co.skagit.wa.us				☐ RCRA / CERCLA
Project	Inman Landfill #2				☐ Other

EDGE ANALYTICAL

Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (360-715-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wilsonville Lab (503-682-7802)
9725 SW Commerce Cir. Ste A2 Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
1100 NE Circle Blvd, Ste 130, Corvallis, OR 97330
Bend Lab (541-639-8425)
20332 Empire Ave Ste F4, Bend, OR 97703

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. List each metal individually
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.
6. ***(NEW)*** Report to __ MDL or __ PQL ***(NEW)***

Turn Around Time Required
- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Req.)

CO063295

Analyses Requested

	Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	As, Fe, Mn	Field Blank (8260 SIM)	Field Blank (8260)	Landfill Package - Inman SCPW	MSMSD/8260	MSMSD/SIMS			Number of Containers	Special Instructions Conditions on Receipt
1	3328	Inman LF	Grab	W	12/16/24	11:50	X	X	X	X						
2	3334	"	"	"	"	13:45	X	X	X	X						
3																
4																
5																
6																
7																
8																
9																

Are there known hazardous or dangerous wastes in these samples? YES / NO If YES, indicate type on reverse of this form; samples may be returned to you.

Total Containers

Sampled by: Russell Thompson Phone: FAX: Email:

Sample Receipt Request (Must include FAX or Email) ☒

* **W** - water **SW** - surface water **WW** - waste water **SL** - salt water
DW - drinking water **ST** - storm water **S** - soil **OL** - oil Other:

**Relinquished by	Date	Time	Received by	Date	Time
Russell Thompson	12/16/24	15:00	ABM Courier DUO	12/16/24	1503

	Yes	No	N/A
Custody seals intact			☑
Sample temp 2.4 C° satisfactory			
Samples received intact			
Chain of custody & labels agree			

FORM COC 5-24-2024

eurofins | Environment Testing Edge Analytical

Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

January 23, 2025

Russell Thompson
Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

RE: 24-37801 - Landfill Package - Inman #2

Dear Russell Thompson,

Your project: Landfill Package - Inman #2, was received on Thursday December 19, 2024.

All samples were analyzed within the accepted holding times and were appropriately preserved and analyzed according to approved analytical protocols, unless noted in the data or QC reports. The quality control data was within laboratory acceptance limits, unless specified in the data or QC reports.

If you have questions phone us at 800 755-9295.

Respectfully



Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report

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Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

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Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

Client Name: Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

Reference Number: **24-37801**
Project: Landfill Package - Inman #2

Report Date: 1/23/25

Date Received: 12/19/24
Approved by: anp,bj,ebvp,ljh
Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Sample Description: 3337 Inman LF — Matrix W — Sample Date: 12/19/24 10:30 am
Lab Number: 72865 — Sample Comment: — Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-96-5	**MANGANESE, Dissolved**	0.415	0.001	0.0002	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227D4	
7439-89-6	**IRON, Dissolved**	1.41	0.050	0.001	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227D4	
7440-70-2	**CALCIUM**	24.3	0.5	0.008	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-95-4	**MAGNESIUM**	17.4	0.5	0.01	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-96-5	**MANGANESE**	0.432	0.001	0.001	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-89-6	**IRON**	1.52	0.050	0.003	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-09-7	**POTASSIUM**	3.2	0.5	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-23-5	**SODIUM**	8.5	1	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-47-3	**CHROMIUM, Dissolved**	0.0006 J	0.001	8.80E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-62-2	**VANADIUM, Dissolved**	0.0003 J	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-48-4	**COBALT, Dissolved**	0.0002 J	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-02-0	**NICKEL, Dissolved**	0.0008 J	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-50-8	**COPPER, Dissolved**	0.0001 J	0.002	5.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-66-6	**ZINC, Dissolved**	ND	0.0025	0.00017	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-38-2	**ARSENIC, Dissolved**	0.0017	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7782-49-2	**SELENIUM, Dissolved**	ND	0.001	0.00011	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-36-0	**ANTIMONY, Dissolved**	0.00011 J	0.001	0.0001	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-39-3	**BARIUM, Dissolved**	0.0331	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0005	1.80E-05	mg/L	1.0	200.8/FldFilter	a	1/6/25	EBVP	200.8_250106HA5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-38-2	**ARSENIC**	0.0016	0.0005	0.0004	mg/L	1.0	200.8/TR	a	12/27/24	BJ	200.8_241227D5	
16887-00-6	**CHLORIDE**	4.1	0.1	0.01	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
14808-79-8	**SULFATE**	18.0	0.2	0.04	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
E-14506	**ALKALINITY**	130	2.0		mg CaCO3/L	2.0	310.2	a	12/20/24	ATH	ALK_241220	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

eurofins | Environment Testing Edge Analytical

Reference Number: **24-37801**
Report Date: 1/23/25

Data Report

Sample Description: 3337 Inman LF | Matrix W | Sample Date: 12/19/24 10:30 am
Lab Number: 72865 | Sample Comment: | Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7664-41-7	**AMMONIA-N**	0.39	0.010	0.0045	**mg/L**	1.0	350.1	a	1/7/25	SPM2	350.1_250107A	
NA	**BICARBONATE**	130	2.0		**mg CaCO3/L**	2.0	SM2320 B	a	12/20/24	ATH	ALK_241220	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	174	10		**mg/L**	1.0	SM2540 C	a	12/27/24	JER	TDS_241223	
14797-55-8	**NITRATE-N**	ND	0.1	0.0046	**mg/L**	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220A	
14797-65-0	**NITRITE-N**	ND	0.1	0.0046	**mg/L**	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220A	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	8	3.63	**mg/L**	1.0	SM5220 D	a	12/23/24	ATH	COD_241223	
E-10195	**TOTAL ORGANIC CARBON**	0.79	0.15	0.12	**mg/L**	1.0	SM5310 B	a	12/23/24	RMC	TOC_241223A3	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

eurofins | Environment Testing Edge Analytical

Reference Number: **24-37801**
Report Date: 1/23/25

Data Report

Sample Description: 3338 Inman LF | Matrix W | Sample Date: 12/19/24 12:00 pm
Lab Number: 72866 | Sample Comment: | Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-89-6	**IRON, Dissolved**	0.001 J	0.050	0.001	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227E4	
7440-70-2	**CALCIUM**	28.8	0.5	0.008	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-95-4	**MAGNESIUM**	21.0	0.5	0.01	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-96-5	**MANGANESE**	ND	0.001	0.001	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-89-6	**IRON**	0.006	0.050	0.003	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-09-7	**POTASSIUM**	1.8	0.5	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-23-5	**SODIUM**	7.3	1	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-47-3	**CHROMIUM, Dissolved**	0.0015	0.001	8.80E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-62-2	**VANADIUM, Dissolved**	0.0022	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-48-4	**COBALT, Dissolved**	0.0002 J	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-02-0	**NICKEL, Dissolved**	0.0014	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7439-96-5	**MANGANESE, Dissolved**	0.0004 J	0.001	3.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-50-8	**COPPER, Dissolved**	0.0019 J	0.002	5.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-66-6	**ZINC, Dissolved**	0.0004 J	0.0025	0.00017	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-38-2	**ARSENIC, Dissolved**	0.0011	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7782-49-2	**SELENIUM, Dissolved**	0.0003 J	0.001	0.00011	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-36-0	**ANTIMONY, Dissolved**	0.0002 J	0.001	0.0001	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-39-3	**BARIUM, Dissolved**	0.0114	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0005	1.80E-05	mg/L	1.0	200.8/FldFilter	a	1/6/25	EBVP	200.8_250106HA5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103A5	
7440-38-2	**ARSENIC**	0.0020	0.0005	0.0004	mg/L	1.0	200.8/TR	a	12/27/24	BJ	200.8_241227D5	
16887-00-6	**CHLORIDE**	2.6	0.1	0.01	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
14808-79-8	**SULFATE**	11.8	0.2	0.04	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
E-14506	**ALKALINITY**	122	1.00		mg CaCO3/L	1.0	310.2	a	12/20/24	ATH	ALK_241220	
7664-41-7	**AMMONIA-N**	0.01	0.010	0.0045	mg/L	1.0	350.1	a	1/7/25	SPM2	350.1_250107A	
NA	**BICARBONATE**	122	1.0		mg CaCO3/L	1.0	SM2320 B	a	12/20/24	ATH	ALK_241220	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	198	10		mg/L	1.0	SM2540 C	a	12/27/24	JER	TDS_241223	
14797-55-8	**NITRATE-N**	6.15	0.500	0.0046	mg/L	5.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220A	
14797-65-0	**NITRITE-N**	ND	0.1	0.0046	mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220A	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	8	3.63	mg/L	1.0	SM5220 D	a	12/23/24	ATH	COD_241223	
E-10195	**TOTAL ORGANIC CARBON**	1.75	0.15	0.12	mg/L	1.0	SM5310 B	a	12/23/24	RMC	TOC_241223A3	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
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D.F. - Dilution Factor

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Reference Number: **24-37801**
Report Date: 1/23/25

Data Report

Sample Description: 3332 Inman LF | Matrix W | Sample Date: 12/19/24 1:50 pm
Lab Number: 72867 | Sample Comment: | Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-96-5	**MANGANESE, Dissolved**	1.12	0.001	0.0002	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227E4	
7439-89-6	**IRON, Dissolved**	4.24	0.050	0.001	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227E4	
7440-70-2	**CALCIUM**	67.8	0.5	0.008	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-95-4	**MAGNESIUM**	54.7	0.5	0.01	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-96-5	**MANGANESE**	1.19	0.001	0.001	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-89-6	**IRON**	4.56	0.050	0.003	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-09-7	**POTASSIUM**	5.8	0.5	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-23-5	**SODIUM**	19.9	1	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-47-3	**CHROMIUM, Dissolved**	0.0018	0.001	8.80E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-62-2	**VANADIUM, Dissolved**	0.0006 J	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-48-4	**COBALT, Dissolved**	0.0002 J	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-02-0	**NICKEL, Dissolved**	0.0027	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-50-8	**COPPER, Dissolved**	0.0003 J	0.002	5.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-66-6	**ZINC, Dissolved**	0.0002 J	0.0025	0.00017	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC, Dissolved**	0.0026	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7782-49-2	**SELENIUM, Dissolved**	0.0018	0.001	0.00011	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-36-0	**ANTIMONY, Dissolved**	0.00016 J	0.001	0.0001	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-39-3	**BARIUM, Dissolved**	0.0794	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0005	1.80E-05	mg/L	1.0	200.8/FldFilter	a	1/6/25	EBVP	200.8_250106HA5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC**	0.0027	0.0005	0.0004	mg/L	1.0	200.8/TR	a	12/27/24	BJ	200.8_241227D5	
16887-00-6	**CHLORIDE**	76.1	0.1	0.01	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
14808-79-8	**SULFATE**	41.7	0.2	0.04	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
E-14506	**ALKALINITY**	316	10		mg CaCO3/L	10.0	310.2	a	12/20/24	ATH	ALK_241220	
7664-41-7	**AMMONIA-N**	0.85	0.010	0.0045	mg/L	1.0	350.1	a	1/10/25	SPM2	350.1_250110A	
NA	**BICARBONATE**	316	10		mg CaCO3/L	10.0	SM2320 B	a	12/20/24	ATH	ALK_241220	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	509	10		mg/L	1.0	SM2540 C	a	12/27/24	JER	TDS_241223	
14797-55-8	**NITRATE-N**	ND	0.1	0.0046	mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220A	
14797-65-0	**NITRITE-N**	ND	0.1	0.0046	mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220A	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	8	3.63	mg/L	1.0	SM5220 D	a	12/23/24	ATH	COD_241223	
E-10195	**TOTAL ORGANIC CARBON**	1.71	0.15	0.12	mg/L	1.0	SM5310 B	a	12/23/24	RMC	TOC_241223A3	

Notes:

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D.F. - Dilution Factor

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Reference Number: **24-37801**
Report Date: 1/23/25

Data Report

Sample Description: 3336 Inman LF | Matrix W | Sample Date: 12/19/24 2:45 pm
Lab Number: 72868 | Sample Comment: | Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-89-6	**IRON, Dissolved**	ND	0.050	0.001	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227E4	
7440-70-2	**CALCIUM**	22.1	0.5	0.008	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-95-4	**MAGNESIUM**	16.5	0.5	0.01	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-96-5	**MANGANESE**	0.0040	0.001	0.001	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-89-6	**IRON**	0.016	0.050	0.003	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-09-7	**POTASSIUM**	2.0	0.5	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-23-5	**SODIUM**	3.9	1	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-47-3	**CHROMIUM, Dissolved**	0.0017	0.001	8.80E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-62-2	**VANADIUM, Dissolved**	0.0018	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-48-4	**COBALT, Dissolved**	0.0001 J	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-02-0	**NICKEL, Dissolved**	0.0014	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7439-96-5	**MANGANESE, Dissolved**	0.0004 J	0.001	3.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-50-8	**COPPER, Dissolved**	0.0020	0.002	5.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-66-6	**ZINC, Dissolved**	0.0013 J	0.0025	0.00017	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC, Dissolved**	0.0008 J	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7782-49-2	**SELENIUM, Dissolved**	0.0008 J	0.001	0.00011	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-36-0	**ANTIMONY, Dissolved**	0.0003 J	0.001	0.0001	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-39-3	**BARIUM, Dissolved**	0.0141	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0005	1.80E-05	mg/L	1.0	200.8/FldFilter	a	1/6/25	EBVP	200.8_250106HA5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC**	0.0008	0.0005	0.0004	mg/L	1.0	200.8/TR	a	12/27/24	BJ	200.8_241227D5	
16887-00-6	**CHLORIDE**	10.6	0.1	0.01	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
14808-79-8	**SULFATE**	28.9	0.2	0.04	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
E-14506	**ALKALINITY**	108	1.00		mg CaCO3/L	1.0	310.2	a	12/20/24	ATH	ALK_241220	
7664-41-7	**AMMONIA-N**	ND	0.010	0.0045	mg/L	1.0	350.1	a	1/10/25	SPM2	350.1_250110A	
NA	**BICARBONATE**	108	1.0		mg CaCO3/L	1.0	SM2320 B	a	12/20/24	ATH	ALK_241220	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	150	10		mg/L	1.0	SM2540 C	a	12/27/24	JER	TDS_241223	
14797-55-8	**NITRATE-N**	1.81	0.1	0.0046	mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220A	
14797-65-0	**NITRITE-N**	ND	0.1	0.0046	mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220A	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	8	3.63	mg/L	1.0	SM5220 D	a	12/23/24	ATH	COD_241223	
E-10195	**TOTAL ORGANIC CARBON**	1.32	0.15	0.12	mg/L	1.0	SM5310 B	a	12/23/24	RMC	TOC_241223A3	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

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Burlington, WA *(a)*
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Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

WSDOE Lab C567

DATA REPORT

Client Name: Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

Reference Number: **24-37801**
Project: Landfill Package - Inman #2

Lab Number: 72865
Field ID: 3337
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	

Notes:

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ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

Form: c608.rpt

Lab Number: 72865
Field ID: 3337
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**ND**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**ND**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 72865
Field ID: 3337
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**ND**		ug/L	0.5	0.16	1.00	a	

Notes:

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D.F. - Dilution Factor.

Lab Number: 72865
Field ID: 3337
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/26/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/26/24
Analyst: NML
Analytical Method: 8260SIM
Batch: SIM_241226
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**ND**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**ND**		ug/L	5	1.42	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 72866
Field ID: 3338
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	

Notes:

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D.F. - Dilution Factor.

Lab Number: 72866
Field ID: 3338
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**ND**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**ND**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	

Notes:

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Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 72866
Field ID: 3338
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**ND**		ug/L	0.5	0.16	1.00	a	

Notes:

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ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 72866
Field ID: 3338
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/26/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/26/24
Analyst: NML
Analytical Method: 8260SIM
Batch: SIM_241226
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**ND**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**ND**		ug/L	5	1.42	1.00	a	

Notes:

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ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 72867
Field ID: 3332
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	

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D.F. - Dilution Factor.

Lab Number: 72867
Field ID: 3332
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**ND**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**ND**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 72867
Field ID: 3332
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**2.8**		ug/L	0.5	0.16	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 72867
Field ID: 3332
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/26/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/26/24
Analyst: NML
Analytical Method: 8260SIM
Batch: SIM_241226
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**ND**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**ND**		ug/L	5	1.42	1.00	a	

Notes:

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Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
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D.F. - Dilution Factor.

Lab Number: 72868
Field ID: 3336
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 72868
Field ID: 3336
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**ND**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**ND**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 72868
Field ID: 3336
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**ND**		ug/L	0.5	0.16	1.00	a	

Notes:

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ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 72868
Field ID: 3336
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/19/24
Extraction Date: 12/26/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/26/24
Analyst: NML
Analytical Method: 8260SIM
Batch: SIM_241226
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**ND**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**ND**		ug/L	5	1.42	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Calibration Check

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227D4	2	IRON, Dissolved	1.02	1	mg/L	200.7	102	90-110		CAL	
	2	MANGANESE, Dissolved	1.04	1	mg/L	200.7	104	90-110		CAL	
200.7_241227E4	2	IRON, Dissolved	1.02	1	mg/L	200.7	102	90-110		CAL	
	2	MANGANESE, Dissolved	1.04	1	mg/L	200.7	104	90-110		CAL	
200.7_241227N4	2	IRON	1.02	1	mg/L	200.7	102	90-110		CAL	
	2	MANGANESE	1.04	1	mg/L	200.7	104	90-110		CAL	
	2	CALCIUM	11.3	11	mg/L	200.7	103	90-110		CAL	
	2	MAGNESIUM	11.3	11	mg/L	200.7	103	90-110		CAL	
	2	POTASSIUM	8.7	8.5	mg/L	200.7	102	90-110		CAL	
	2	SODIUM	11.4	11	mg/L	200.7	104	90-110		CAL	
200.8_241227D5	0	ARSENIC	0.00102	0.001	mg/L	200.8	102	80-120		CAL	
200.8_250103A5	0	ARSENIC, Dissolved	0.00103	0.001	mg/L	200.8	103	80-120		CAL	
	0	BARIUM, Dissolved	0.00104	0.001	mg/L	200.8	104	80-120		CAL	
	0	CADMIUM, Dissolved	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
	0	CHROMIUM, Dissolved	0.00093	0.001	mg/L	200.8	93	80-120		CAL	
	0	COBALT, Dissolved	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
	0	COPPER, Dissolved	0.00101	0.001	mg/L	200.8	101	80-120		CAL	
	0	LEAD, Dissolved	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
	0	MANGANESE, Dissolved	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
	0	NICKEL, Dissolved	0.00104	0.001	mg/L	200.8	104	80-120		CAL	
	0	VANADIUM, Dissolved	0.00103	0.001	mg/L	200.8	103	80-120		CAL	
	0	ZINC, Dissolved	0.0048	0.005	mg/L	200.8	96	80-120		CAL	
	0	ANTIMONY, Dissolved	0.00106	0.001	mg/L	200.8	106	80-120		CAL	
	0	SELENIUM, Dissolved	0.00106	0.001	mg/L	200.8	106	80-120		CAL	
200.8_250103B5	0	ARSENIC, Dissolved	0.00103	0.001	mg/L	200.8	103	80-120		CAL	
	0	BARIUM, Dissolved	0.00104	0.001	mg/L	200.8	104	80-120		CAL	
	0	CADMIUM, Dissolved	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
	0	CHROMIUM, Dissolved	0.00093	0.001	mg/L	200.8	93	80-120		CAL	
	0	COBALT, Dissolved	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
	0	COPPER, Dissolved	0.00101	0.001	mg/L	200.8	101	80-120		CAL	
	0	LEAD, Dissolved	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
	0	MANGANESE, Dissolved	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
	0	NICKEL, Dissolved	0.00104	0.001	mg/L	200.8	104	80-120		CAL	
	0	VANADIUM, Dissolved	0.00103	0.001	mg/L	200.8	103	80-120		CAL	
	0	ZINC, Dissolved	0.0048	0.005	mg/L	200.8	96	80-120		CAL	
	0	ANTIMONY, Dissolved	0.00106	0.001	mg/L	200.8	106	80-120		CAL	
	0	SELENIUM, Dissolved	0.00106	0.001	mg/L	200.8	106	80-120		CAL	
200.8_250106HA	0	MERCURY, Dissolved	0.0001	0.0001	mg/L	200.8	100	80-120		CAL	
350.1_250107A	0	AMMONIA-N	2.55	2.5	mg/L	350.1	102	90-110		CAL	
350.1_250110A	0	AMMONIA-N	2.58	2.5	mg/L	350.1	103	90-110		CAL	
COD_241223	0	CHEMICAL OXYGEN DEMAND	52	50	mg/L	SM5220 D	104	90-110		CAL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Calibration Check

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
IC05_250102A	0	CHLORIDE	0.9	1	mg/L	300.0	90	90-110		CAL	
	0	SULFATE	1.9	2	mg/L	300.0	95	90-110		CAL	
NO3NO2_24122(	0	NITRATE-N	0.477	0.50	mg/L	SM4500-NO3 F	95	90-110		CAL	
	0	NITRITE-N	0.510	0.50	mg/L	SM4500-NO3 F	102	90-110		CAL	
TOC_241223A3	0	TOTAL ORGANIC CARBON	2.42	2.5	mg/L	SM5310 B	97	90-110		CAL	

*Notation:
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227D4	1	IRON, Dissolved	0.489	0.5	mg/L	200.7	98	85-115		LFB	
	1	MANGANESE, Dissolved	0.501	0.5	mg/L	200.7	100	85-115		LFB	
200.7_241227E4	1	IRON, Dissolved	0.501	0.5	mg/L	200.7	100	85-115		LFB	
	1	MANGANESE, Dissolved	0.502	0.5	mg/L	200.7	100	85-115		LFB	
200.7_241227N4	2	IRON	0.251	0.25	mg/L	200.7	100	85-115		LFB	
	2	MANGANESE	0.259	0.25	mg/L	200.7	104	85-115		LFB	
	2	CALCIUM	7.2	6.5	mg/L	200.7	111	85-115		LFB	
	2	MAGNESIUM	7	6.5	mg/L	200.7	108	85-115		LFB	
	2	POTASSIUM	8.7	8.75	mg/L	200.7	99	85-115		LFB	
	2	SODIUM	7	6.5	mg/L	200.7	108	85-115		LFB	
200.8_241227D5	0	ARSENIC	0.0136	0.0125	mg/L	200.8	109	85-115		LFB	
200.8_250103A5	0	ARSENIC, Dissolved	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	BARIUM, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	CADMIUM, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	CHROMIUM, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	COBALT, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	COPPER, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	LEAD, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	MANGANESE, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	NICKEL, Dissolved	0.0104	0.01	mg/L	200.8	104	85-115		LFB	
	0	VANADIUM, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
	0	ZINC, Dissolved	0.0098	0.01	mg/L	200.8	98	85-115		LFB	
	0	ANTIMONY, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	SELENIUM, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
200.8_250103B5	0	ARSENIC, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	BARIUM, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	CADMIUM, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	CHROMIUM, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
	0	COBALT, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
	0	COPPER, Dissolved	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	LEAD, Dissolved	0.0097	0.01	mg/L	200.8	97	85-115		LFB	
	0	MANGANESE, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	NICKEL, Dissolved	0.0106	0.01	mg/L	200.8	106	85-115		LFB	
	0	VANADIUM, Dissolved	0.0098	0.01	mg/L	200.8	98	85-115		LFB	
	0	ZINC, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	ANTIMONY, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	SELENIUM, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
200.8_250106HA	0	MERCURY, Dissolved	0.00056	0.0005	mg/L	200.8	112	85-115		LFB	
350.1_250107A	0	AMMONIA-N	0.97	1	mg/L	350.1	97	85-115		LFB	
350.1_250110A	0	AMMONIA-N	0.97	1	mg/L	350.1	97	85-115		LFB	
8260W_241223	0	1,1 - DICHLOROETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	1,1 - DICHLOROETHYLENE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	1,1 - DICHLOROPROPENE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	1,1,1 - TRICHLOROETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,1,1,2 - TETRACHLOROETHANE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	1,1,2 - TRICHLOROETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,1,2 - TRICHLOROTRIFLUOROETHANE	7.8	10	ug/L	8260D	78	80-120	LR	LFB	
	0	1,1,2,2 - TETRACHLOROETHANE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	1,2 - DICHLOROBENZENE (ortho)	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	1,2 - DICHLOROETHANE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	1,2 - DICHLOROPROPANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,2,3 - TRICHLOROBENZENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	1,2,3 - TRICHLOROPROPANE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	1,2,4 - TRICHLOROBENZENE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	1,2,4 - TRIMETHYLBENZENE	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10.9	10	ug/L	8260D	109	80-120		LFB	
	0	1,3 - DICHLOROBENZENE (meta)	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	1,3 - DICHLOROPROPANE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	1,3,5 - TRIMETHYLBENZENE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	1,4 - DICHLOROBENZENE (para)	11.0	10	ug/L	8260D	110	80-120		LFB	
	0	1-CHLOROBUTANE	9.5	10	ug/L	8260D	95	80-120		LFB	
	0	2,2 - DICHLOROPROPANE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	2-BUTANONE (MEK)	11.7	10	ug/L	8260D	117	80-120		LFB	
	0	2-CHLOROETHYL VINYL ETHER	9.8	10	ug/L	8260D	98	80-120		LFB	
	0	2-HEXANONE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	2-NITROPROPANE	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	4-METHYL-2-PENTANONE	11.5	10	ug/L	8260D	115	80-120		LFB	
	0	ACETONE	11.6	10	ug/L	8260D	116	80-120	LE	LFB	
	0	ACROLEIN	9.2	10	ug/L	8260D	92	80-120	LE	LFB	
	0	ACRYLONITRILE	19.4	20	ug/L	8260D	97	80-120		LFB	
	0	ALLYL CHLORIDE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	BENZENE	9.2	10	ug/L	8260D	92	80-120		LFB	
	0	BROMOBENZENE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	BROMOCHLOROMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	BROMODICHLOROMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	BROMOFORM	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	BROMOMETHANE	8.2	10	ug/L	8260D	82	80-120		LFB	
	0	CARBON DISULFIDE	8.4	10	ug/L	8260D	84	80-120	LE	LFB	
	0	CARBON TETRACHLORIDE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	CHLOROBENZENE	10.6	10	ug/L	8260D	106	80-120		LFB	
	0	CHLOROETHANE	8.3	10	ug/L	8260D	83	80-120		LFB	
	0	CHLOROFORM	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	CHLOROMETHANE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	CIS - 1,2 - DICHLOROETHENE	9.5	10	ug/L	8260D	95	80-120		LFB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	CIS - 1,3 - DICHLOROPROPENE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	DIBROMOCHLOROMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	DIBROMOMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	DICHLORODIFLUOROMETHANE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	DICHLOROFLUOROMETHANE (FREON-21)	9.8	10	ug/L	8260D	98	80-120		LFB	
	0	DIETHYL ETHER	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	ETHYL METHACRYLATE	10.3	10	ug/L	8260D	103	80-120		LFB	
	0	ETHYLBENZENE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	HEXACHLOROBUTADIENE	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	HEXACHLOROETHANE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	ISOPROPYLBENZENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	M,P- XYLENE	22.4	20	ug/L	8260D	112	80-120		LFB	
	0	METHACRYLONITRILE	10.0	10	ug/L	8260D	100	80-120		LFB	
	0	METHYL ACRYLATE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	METHYL IODIDE	9.4	10	ug/L	8260D	94	80-120	LE	LFB	
	0	METHYL METHACRYLATE	10.6	10	ug/L	8260D	106	80-120		LFB	
	0	METHYL TERT-BUTYL ETHER	9.5	10	ug/L	8260D	95	80-120		LFB	
	0	METHYLENE CHLORIDE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	N - BUTYLBENZENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	N - PROPYLBENZENE	11.8	10	ug/L	8260D	118	80-120		LFB	
	0	NAPHTHALENE	11.5	10	ug/L	8260D	115	80-120		LFB	
	0	O - CHLOROTOLUENE	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	O - XYLENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	P - CHLOROTOLUENE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	P - ISOPROPYLTOLUENE	11.5	10	ug/L	8260D	115	80-120		LFB	
	0	PENTACHLOROETHANE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	SEC - BUTYLBENZENE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	STYRENE	11.9	10	ug/L	8260D	119	80-120		LFB	
	0	TERT - BUTYLBENZENE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	TETRACHLOROETHYLENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TETRAHYDROFURAN	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	TOLUENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TRANS - 1,2 - DICHLOROETHENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TRANS - 1,3 - DICHLOROPROPENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TRANS - 1,4 - DICHLORO-2-BUTENE	12.0	10	ug/L	8260D	120	80-120		LFB	
	0	TRICHLOROETHENE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	TRICHLOROFLUOROMETHANE	8.2	10	ug/L	8260D	82	80-120		LFB	
	0	VINYL CHLORIDE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	(FREON 22) CHLORODIFLUOROMETHANE	10.6	10	ug/L	8260D	106	80-120		LFB	
ALK_241220	0	ALKALINITY	103	100	mg CaCO3/L	SM2320 B	103	90-110		LFB	
COD_241223	0	CHEMICAL OXYGEN DEMAND	49	50	mg/L	SM5220 D	98	90-110		LFB	
NO3NO2_24122(	0	NITRATE-N	1.96	2.00	mg/L	SM4500-NO3 F	98	90-110		LFB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
NO3NO2_24122(	0	NITRITE-N	2.04	2.00	mg/L	SM4500-NO3 F	102	90-110		LFB	
SIM_241226	0	1,2 - DIBROMOETHANE (EDB SIM)	0.100	0.1	ug/L	8260SIM	100	80-120		LFB	SIMS ANALYSIS
	0	1,4-DIOXANE (SIM)	10.0	10	ug/L	8260SIM	100	80-120		LFB	SIMS ANALYSIS
	0	ACRYLONITRILE (SIM)	0.105	0.1	ug/L	8260SIM	105	80-120		LFB	SIMS ANALYSIS
	0	VINYL CHLORIDE (SIM)	0.098	0.1	ug/L	8260SIM	98	80-120		LFB	SIMS ANALYSIS
TOC_241223A3	0	TOTAL ORGANIC CARBON	0.97	1	mg/L	SM5310 B	97	90-110		LFB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Laboratory Reagent Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227D4	0	IRON, Dissolved	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		LRB	
200.7_241227E4	0	IRON, Dissolved	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		LRB	
200.7_241227N4	0	IRON	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE	ND		mg/L	200.7		0-0		LRB	
	0	CALCIUM	ND		mg/L	200.7		0-0		LRB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		LRB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		LRB	
	0	SODIUM	ND		mg/L	200.7		0-0		LRB	
200.8_241227D5	0	ARSENIC	ND		mg/L	200.8		0-0		LRB	
200.8_250103A5	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	MANGANESE, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
200.8_250103B5	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	MANGANESE, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
200.8_250106HA	0	MERCURY, Dissolved	ND		mg/L	200.8		0-0		LRB	
ALK_241220	0	ALKALINITY	ND		mg CaCO3/L	SM2320 B		0-1		LRB	
IC05_250102A	0	CHLORIDE	ND		mg/L	300.0		0-0		LRB	
	0	SULFATE	ND		mg/L	300.0		0-0		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Laboratory Reagent Blank											
NO3NO2_24122(	0	NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0		LRB	
	0	NITRITE-N	ND		mg/L	SM4500-NO3 F		0-0		LRB	
TOC_241223A3	0	TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0-0		LRB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227D4	0	IRON, Dissolved	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		MB	
200.7_241227E4	0	IRON, Dissolved	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		MB	
200.7_241227N4	0	IRON	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE	ND		mg/L	200.7		0-0		MB	
	0	CALCIUM	ND		mg/L	200.7		0-0		MB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		MB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		MB	
	0	SODIUM	ND		mg/L	200.7		0-0		MB	
200.8_241227D5	0	ARSENIC	ND		mg/L	200.8		0-0		MB	
200.8_250103A5	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	MANGANESE, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
200.8_250103B5	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	MANGANESE, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
200.8_250106HA	0	MERCURY, Dissolved	ND		mg/L	200.8		0-0		MB	
350.1_250107A	0	AMMONIA-N	ND		mg/L	350.1		0-0		MB	
350.1_250110A	0	AMMONIA-N	ND		mg/L	350.1		0-0		MB	
8260W_241223	0	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	
	0	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	
	0	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	
	0	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	
	0	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	
	0	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	
	0	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	2-HEXANONE	ND		ug/L	8260D		0-0		MB	
	0	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	
	0	ACETONE	ND		ug/L	8260D		0-0		MB	
	0	ACROLEIN	ND		ug/L	8260D		0-0		MB	
	0	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	
	0	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	BENZENE	ND		ug/L	8260D		0-0		MB	
	0	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	
	0	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	BROMOFORM	ND		ug/L	8260D		0-0		MB	
	0	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	
	0	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	
	0	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROFORM	ND		ug/L	8260D		0-0		MB	
	0	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	
	0	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	
	0	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	
	0	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	
	0	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	
	0	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	
	0	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	O - XYLENE	ND		ug/L	8260D		0-0		MB	
	0	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	STYRENE	ND		ug/L	8260D		0-0		MB	
	0	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	
	0	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	
	0	TOLUENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	
	0	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	1	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	1	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier	QC Type	Comment
8260W_241223	1	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	2	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	2	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36552

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	2	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	3	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	3	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-37205

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	3	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	4	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	4	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	4	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYLENE CHLORIDE	0.4		ug/L	8260D		0-0	BN	MB	TB 24-37801
	4	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	5	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-37908

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	5	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	5	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYLENE CHLORIDE	0.4		ug/L	8260D		0-0	BN	MB	TB 24-37908
	5	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
COD_241223	0	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		0-3		MB	
NO3NO2_24122(	0	NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0		MB	
	0	NITRITE-N	ND		mg/L	SM4500-NO3 F		0-0		MB	
SIM_241226	0	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	1	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37801
	1	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37801
	1	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37801
	1	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37801
	2	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37908
	2	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37908
	2	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37908
	2	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37908
TDS_241223	0	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
	1	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
	2	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
TOC_241223A3	0	TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	1,1 - DICHLOROETHANE	0.32	0.4	ug/L	8260D	80	50-150		MDL	
	0	1,1 - DICHLOROETHYLENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	1,1 - DICHLOROPROPENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	1,1,1 - TRICHLOROETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	1,1,1,2 - TETRACHLOROETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	1,1,2 - TRICHLOROETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	1,1,2,2 - TETRACHLOROETHANE	0.39	0.4	ug/L	8260D	98	50-150		MDL	
	0	1,2 - DICHLOROBENZENE (ortho)	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	1,2 - DICHLOROETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	1,2 - DICHLOROPROPANE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	1,2,3 - TRICHLOROBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	1,2,3 - TRICHLOROPROPANE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	1,2,4 - TRICHLOROBENZENE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	1,2,4 - TRIMETHYLBENZENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.39	0.4	ug/L	8260D	98	50-150		MDL	
	0	1,3 - DICHLOROBENZENE (meta)	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	1,3 - DICHLOROPROPANE	0.26	0.4	ug/L	8260D	65	50-150		MDL	
	0	1,3,5 - TRIMETHYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	1,4 - DICHLOROBENZENE (para)	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	2,2 - DICHLOROPROPANE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	BENZENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	BROMOBENZENE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	BROMOCHLOROMETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	BROMODICHLOROMETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	BROMOFORM	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	BROMOMETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	CARBON TETRACHLORIDE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	CHLOROBENZENE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	CHLOROETHANE	0.36	0.4	ug/L	8260D	90	50-150		MDL	
	0	CHLOROFORM	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	CHLOROMETHANE	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	CIS - 1,2 - DICHLOROETHENE	0.25	0.4	ug/L	8260D	63	50-150		MDL	
	0	CIS - 1,3 - DICHLOROPROPENE	0.21	0.4	ug/L	8260D	53	50-150		MDL	
	0	DIBROMOCHLOROMETHANE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	DIBROMOMETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	DICHLORODIFLUOROMETHANE	0.41	0.4	ug/L	8260D	103	50-150		MDL	
	0	ETHYLBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	HEXACHLOROBUTADIENE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	ISOPROPYLBENZENE	0.21	0.4	ug/L	8260D	53	50-150		MDL	
	0	M,P- XYLENE	0.52	0.8	ug/L	8260D	65	50-150		MDL	
	0	METHYL TERT-BUTYL ETHER	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	METHYLENE CHLORIDE	0.23	0.4	ug/L	8260D	58	50-150		MDL	
	0	N - BUTYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	N - PROPYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	NAPHTHALENE	0.46	0.4	ug/L	8260D	115	50-150		MDL	
	0	O - CHLOROTOLUENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	O - XYLENE	0.22	0.4	ug/L	8260D	55	50-150		MDL	
	0	P - CHLOROTOLUENE	0.25	0.4	ug/L	8260D	63	50-150		MDL	
	0	P - ISOPROPYLTOLUENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	SEC - BUTYLBENZENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	STYRENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	TERT - BUTYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	TETRACHLOROETHYLENE	0.30	0.4	ug/L	8260D	75	50-150		MDL	
	0	TOLUENE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	TRANS - 1,2 - DICHLOROETHENE	0.26	0.4	ug/L	8260D	65	50-150		MDL	
	0	TRANS - 1,3 - DICHLOROPROPENE	0.23	0.4	ug/L	8260D	58	50-150		MDL	
	0	TRICHLOROETHENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	TRICHLOROFLUOROMETHANE	0.30	0.4	ug/L	8260D	75	50-150		MDL	
	0	VINYL CHLORIDE	0.36	0.4	ug/L	8260D	90	50-150		MDL	
SIM_241226	0	1,2 - DIBROMOETHANE (EDB SIM)	0.0103	0.01	ug/L	8260SIM	103	50-150		MDL	
	0	1,4-DIOXANE (SIM)	5.1	5	ug/L	8260SIM	102	50-150		MDL	
	0	ACRYLONITRILE (SIM)	0.0206	0.02	ug/L	8260SIM	103	50-150		MDL	
	0	VINYL CHLORIDE (SIM)	0.0109	0.01	ug/L	8260SIM	109	50-150		MDL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Quality Control Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227D4	0	IRON, Dissolved	2	2	mg/L	200.7	100	95-105		QCS	
	0	MANGANESE, Dissolved	2.02	2	mg/L	200.7	101	95-105		QCS	
200.7_241227E4	0	IRON, Dissolved	2	2	mg/L	200.7	100	95-105		QCS	
	0	MANGANESE, Dissolved	2.02	2	mg/L	200.7	101	95-105		QCS	
200.7_241227N4	0	IRON	2	2	mg/L	200.7	100	95-105		QCS	
	0	MANGANESE	2.02	2	mg/L	200.7	101	95-105		QCS	
	1	CALCIUM	19.6	20	mg/L	200.7	98	95-105		QCS	
	1	MAGNESIUM	19.6	20	mg/L	200.7	98	95-105		QCS	
	1	POTASSIUM	19.7	20	mg/L	200.7	99	95-105		QCS	
	1	SODIUM	20	20	mg/L	200.7	100	95-105		QCS	
200.8_241227D5	0	ARSENIC	0.0194	0.02	mg/L	200.8	97	90-110		QCS	
200.8_250103A5	0	ARSENIC, Dissolved	0.0191	0.02	mg/L	200.8	96	90-110		QCS	
	0	BARIUM, Dissolved	0.0201	0.02	mg/L	200.8	101	90-110		QCS	
	0	CADMIUM, Dissolved	0.0186	0.02	mg/L	200.8	93	90-110		QCS	
	0	CHROMIUM, Dissolved	0.0197	0.02	mg/L	200.8	99	90-110		QCS	
	0	COBALT, Dissolved	0.0196	0.02	mg/L	200.8	98	90-110		QCS	
	0	COPPER, Dissolved	0.0198	0.02	mg/L	200.8	99	90-110		QCS	
	0	LEAD, Dissolved	0.0192	0.02	mg/L	200.8	96	90-110		QCS	
	0	MANGANESE, Dissolved	0.0197	0.02	mg/L	200.8	99	90-110		QCS	
	0	NICKEL, Dissolved	0.0208	0.02	mg/L	200.8	104	90-110		QCS	
	0	VANADIUM, Dissolved	0.0192	0.02	mg/L	200.8	96	90-110		QCS	
	0	ZINC, Dissolved	0.0193	0.02	mg/L	200.8	97	90-110		QCS	
	0	ANTIMONY, Dissolved	0.0369	0.04	mg/L	200.8	92	90-110		QCS	
	0	SELENIUM, Dissolved	0.0193	0.02	mg/L	200.8	97	90-110		QCS	
200.8_250103B5	0	ARSENIC, Dissolved	0.0191	0.02	mg/L	200.8	96	90-110		QCS	
	0	BARIUM, Dissolved	0.0201	0.02	mg/L	200.8	101	90-110		QCS	
	0	CADMIUM, Dissolved	0.0186	0.02	mg/L	200.8	93	90-110		QCS	
	0	CHROMIUM, Dissolved	0.0197	0.02	mg/L	200.8	99	90-110		QCS	
	0	COBALT, Dissolved	0.0196	0.02	mg/L	200.8	98	90-110		QCS	
	0	COPPER, Dissolved	0.0198	0.02	mg/L	200.8	99	90-110		QCS	
	0	LEAD, Dissolved	0.0192	0.02	mg/L	200.8	96	90-110		QCS	
	0	MANGANESE, Dissolved	0.0197	0.02	mg/L	200.8	99	90-110		QCS	
	0	NICKEL, Dissolved	0.0208	0.02	mg/L	200.8	104	90-110		QCS	
	0	VANADIUM, Dissolved	0.0192	0.02	mg/L	200.8	96	90-110		QCS	
	0	ZINC, Dissolved	0.0193	0.02	mg/L	200.8	97	90-110		QCS	
	0	ANTIMONY, Dissolved	0.0369	0.04	mg/L	200.8	92	90-110		QCS	
	0	SELENIUM, Dissolved	0.0193	0.02	mg/L	200.8	97	90-110		QCS	
200.8_250106HA	0	MERCURY, Dissolved	0.0012	0.00127	mg/L	200.8	94	90-110		QCS	
350.1_250107A	0	AMMONIA-N	2.62	2.5	mg/L	350.1	105	85-115		QCS	
350.1_250110A	0	AMMONIA-N	2.57	2.5	mg/L	350.1	103	85-115		QCS	
ALK_241220	0	ALKALINITY	101	100	mg CaCO3/L	SM2320 B	101	90-110		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37801**
Report Date: 01/23/25

Quality Control Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
COD_241223	0	CHEMICAL OXYGEN DEMAND	293	284	mg/L	SM5220 D	103	90-110		QCS	
IC05_250102A	0	CHLORIDE	6.4	6	mg/L	300.0	107	90-110		QCS	
	0	SULFATE	32.3	30	mg/L	300.0	108	90-110		QCS	
NO3NO2_24122(	0	NITRATE-N	1.04	1.00	mg/L	SM4500-NO3 F	104	90-110		QCS	
	0	NITRITE-N	0.966	1.00	mg/L	SM4500-NO3 F	97	90-110		QCS	
TDS_241223	0	TOTAL DISSOLVED SOLIDS (TDS)	494	500	mg/L	SM2540 C	99	80-120		QCS	
	0	TOTAL DISSOLVED SOLIDS (TDS)	496	500	mg/L	SM2540 C	99	80-120		QCS	
TOC_241223A3	0	TOTAL ORGANIC CARBON	3.63	3.61	mg/L	SM5310 B	101	90-110		QCS	

*Notation:
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SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37801**
Report Date: 1/23/2025

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
200.7_241227D4									
7439-89-6	72388	IRON, Dissolved	ND	ND	mg/L	**NA**	0-20		
7439-96-5	72388	MANGANESE, Dissolved	0.0027	0.0026	mg/L	**3.8**	0-20		
200.7_241227E4									
7439-89-6	72869	IRON, Dissolved	0.16	0.16	mg/L	**0.0**	0-20		
7439-96-5	72953	MANGANESE, Dissolved	0.0633	0.0638	mg/L	**0.8**	0-20		
200.7_241227N4									
7440-70-2	72865	CALCIUM	24.3	24.3	mg/L	**0.0**	0-20		
7439-95-4	72865	MAGNESIUM	17.4	17.4	mg/L	**0.0**	0-20		
7440-09-7	72865	POTASSIUM	3.2	3.1	mg/L	**3.2**	0-20		
7440-23-5	72865	SODIUM	8.5	8.5	mg/L	**0.0**	0-20		
7439-89-6	72865	IRON	1.52	1.52	mg/L	**0.0**	0-20		
7439-96-5	72865	MANGANESE	0.432	0.429	mg/L	**0.7**	0-20		
200.8_241227D5									
7440-38-2	72865	ARSENIC	0.0016	0.0016	mg/L	**0.0**	0-20		
200.8_250103A5									
7440-38-2	73445	ARSENIC, Dissolved	0.0038	0.0038	mg/L	**0.0**	0-20		
200.8_250103B5									
7440-38-2	72954	ARSENIC, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-39-3	72954	BARIUM, Dissolved	0.0108	0.0110	mg/L	**1.8**	0-20		
7440-43-9	72954	CADMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-47-3	72954	CHROMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7439-92-1	72954	LEAD, Dissolved	ND	ND	mg/L	**NA**	0-20		
7782-49-2	72954	SELENIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-38-2	72959	ARSENIC, Dissolved	0.0198	0.0195	mg/L	**1.5**	0-20		
7440-39-3	72959	BARIUM, Dissolved	0.0099	0.0100	mg/L	**1.0**	0-20		
7440-43-9	72959	CADMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-47-3	72959	CHROMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7439-92-1	72959	LEAD, Dissolved	ND	ND	mg/L	**NA**	0-20		
7782-49-2	72959	SELENIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
350.1_250107A									
7664-41-7	126	AMMONIA-N	1.18	1.18	mg/L	**0.0**	0-20		
350.1_250110A									
7664-41-7	125	AMMONIA-N	26.4	26.0	mg/L	**1.5**	0-20		
7664-41-7	72867	AMMONIA-N	0.85	0.85	mg/L	**0.0**	0-20		
ALK_241220									
E-14506	72816	ALKALINITY	36.3	36.4	mg CaCO3/L	**0.3**	0-20		
COD_241223									
E-10117	71674	CHEMICAL OXYGEN DEMAND	ND	ND	mg/L	**NA**	0-20		
E-10117	72865	CHEMICAL OXYGEN DEMAND	ND	ND	mg/L	**NA**	0-20		
E-10117	72866	CHEMICAL OXYGEN DEMAND	ND	ND	mg/L	**NA**	0-20		
IC05_250102A									
16887-00-6	52	CHLORIDE	3.9	3.9	mg/L	**0.0**	0-20		
14808-79-8	52	SULFATE	0.2	0.2	mg/L	**0.0**	0-20		
16887-00-6	72865	CHLORIDE	4.1	4.0	mg/L	**2.5**	0-20		
14808-79-8	72865	SULFATE	18.0	18.0	mg/L	**0.0**	0-20		

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37801**
Report Date: 1/23/2025

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
NO3NO2_241220A									
14797-55-8	72381	NITRATE-N	ND	ND	mg/L	**NA**	0-20		
14797-55-8	72841	NITRATE-N	0.106	0.104	mg/L	**1.9**	0-20		
14797-65-0	72841	NITRITE-N	0.012	0.012	mg/L	**0.0**	0-20		
14797-55-8	72847	NITRATE-N	1.04	1.04	mg/L	**0.0**	0-20		
14797-65-0	72847	NITRITE-N	0.00728	0.00692	mg/L	**5.1**	0-20		
TDS_241223									
E-10173	30890	TOTAL DISSOLVED SOLIDS (TDS)	91	89	mg/L	**2.2**	0-5		
E-10173	71657	TOTAL DISSOLVED SOLIDS (TDS)	270	270	mg/L	**0.0**	0-5		
E-10173	71887	TOTAL DISSOLVED SOLIDS (TDS)	166	165	mg/L	**0.6**	0-5		
E-10173	72866	TOTAL DISSOLVED SOLIDS (TDS)	198	196	mg/L	**1.0**	0-5		
TOC_241223A3									
E-10195	71883	TOTAL ORGANIC CARBON	0.17	0.15	mg/L	**12.5**	0-20		
E-10195	72595	TOTAL ORGANIC CARBON	6.43	6.34	mg/L	**1.4**	0-20		
E-10195	73029	TOTAL ORGANIC CARBON	1.53	1.48	mg/L	**3.3**	0-20		

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37801**
Report Date: 1/23/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
200.7_241227D4														
7439-89-6	72388	IRON, Dissolved	ND	0.46	0.48	0.50	mg/L	**92**	**96**	70-130	**4.3**	0-20		
7439-96-5	72388	MANGANESE, Dissolved	0.0027	0.490	0.500	0.50	mg/L	**97**	**99**	70-130	**2.0**	0-20		
200.7_241227E4														
7439-89-6	72869	IRON, Dissolved	0.16	0.64	0.66	0.50	mg/L	**96**	**100**	70-130	**4.1**	0-20		
7439-96-5	72953	MANGANESE, Dissolved	0.0633	0.813	0.619	0.50	mg/L	**150**	**111**	70-130	**29.7**	0-20	IM	
200.7_241227N4														
7440-70-2	72865	CALCIUM	24.3	31.8		6.5	mg/L	**115**		70-130	**NA**	0-20		
7439-95-4	72865	MAGNESIUM	17.4	24.4		6.5	mg/L	**108**		70-130	**NA**	0-20		
7440-09-7	72865	POTASSIUM	3.2	12.1		8.75	mg/L	**102**		70-130	**NA**	0-20		
7440-23-5	72865	SODIUM	8.5	15.5		6.5	mg/L	**108**		70-130	**NA**	0-20		
7439-89-6	72865	IRON	1.52	1.74		0.25	mg/L	**88**		70-130	**NA**	0-20		
7439-96-5	72865	MANGANESE	0.432	0.676		0.25	mg/L	**98**		70-130	**NA**	0-20		
200.8_241227D5														
7440-38-2	72865	ARSENIC	0.0016	0.248		0.250	mg/L	**99**		70-130	**NA**	0-20		
200.8_250103A5														
7440-38-2	73445	ARSENIC, Dissolved	0.0038	0.0139		0.010	mg/L	**101**		70-130	**NA**	0-20		
200.8_250103B5														
7440-38-2	72954	ARSENIC, Dissolved	ND	0.0104		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-39-3	72954	BARIUM, Dissolved	0.0108	0.0208		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-43-9	72954	CADMIUM, Dissolved	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-47-3	72954	CHROMIUM, Dissolved	ND	0.0094		0.010	mg/L	**94**		70-130	**NA**	0-20		
7439-92-1	72954	LEAD, Dissolved	ND	0.0107		0.010	mg/L	**107**		70-130	**NA**	0-20		
7782-49-2	72954	SELENIUM, Dissolved	ND	0.0105		0.010	mg/L	**105**		70-130	**NA**	0-20		
7440-38-2	72959	ARSENIC, Dissolved	0.0198	0.0297		0.010	mg/L	**99**		70-130	**NA**	0-20		
7440-39-3	72959	BARIUM, Dissolved	0.0099	0.0197		0.010	mg/L	**98**		70-130	**NA**	0-20		
7440-43-9	72959	CADMIUM, Dissolved	ND	0.0102		0.010	mg/L	**102**		70-130	**NA**	0-20		
7440-47-3	72959	CHROMIUM, Dissolved	ND	0.0077		0.010	mg/L	**77**		70-130	**NA**	0-20		
7439-92-1	72959	LEAD, Dissolved	ND	0.0105		0.010	mg/L	**105**		70-130	**NA**	0-20		
7782-49-2	72959	SELENIUM, Dissolved	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
200.8_250106HA5														
7439-97-6	30890	MERCURY, Dissolved	ND	0.00049	0.00049	0.0005	mg/L	**98**	**98**	70-130	**0.0**	0-0		
7439-97-6	72655	MERCURY, Dissolved	ND	0.00046	0.000483	0.0005	mg/L	**92**	**97**	70-130	**4.7**	0-0		
350.1_250107A														
7664-41-7	126	AMMONIA-N	1.18	2.21	2.21	1	mg/L	**103**	**103**	70-130	**0.0**	0-20		
7664-41-7	71812	AMMONIA-N	11.0	11.5	11.9	1	mg/L	**50**	**90**	70-130	**57.1**	0-20	IS	
350.1_250110A														
7664-41-7	125	AMMONIA-N	26.4	79.8	79.8	50	mg/L	**107**	**107**	70-130	**0.0**	0-20		
7664-41-7	72867	AMMONIA-N	0.85	1.84	1.86	1	mg/L	**99**	**101**	70-130	**2.0**	0-20		
8260W_241223														
75-34-3	70287	1,1 - DICHLOROETHANE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
75-35-4	70287	1,1 - DICHLOROETHYLENE	ND	3.6	3.9	4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
563-58-6	70287	1,1 - DICHLOROPROPENE	ND	3.3	3.6	4	ug/L	**83**	**90**	70-130	**8.7**	0-30		
71-55-6	70287	1,1,1 - TRICHLOROETHANE	ND	3.6	3.9	4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
630-20-6	70287	1,1,1,2 - TETRACHLOROETHANE	ND	4.3	4.4	4	ug/L	**108**	**110**	70-130	**2.3**	0-30		

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SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37801**
Report Date: 1/23/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
79-00-5	70287	1,1,2 - TRICHLOROETHANE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
79-34-5	70287	1,1,2,2 - TETRACHLOROETHANE	ND	4.3	4.7	4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
95-50-1	70287	1,2 - DICHLOROBENZENE (ortho)	ND	4.3	4.6	4	ug/L	**108**	**115**	70-130	**6.7**	0-30		
107-06-2	70287	1,2 - DICHLOROETHANE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
78-87-5	70287	1,2 - DICHLOROPROPANE	ND	3.5	3.7	4	ug/L	**88**	**93**	70-130	**5.6**	0-30		
87-61-6	70287	1,2,3 - TRICHLOROBENZENE	ND	3.9	4.5	4	ug/L	**98**	**113**	70-130	**14.3**	0-30		
96-18-4	70287	1,2,3 - TRICHLOROPROPANE	ND	4.0	4.6	4	ug/L	**100**	**115**	70-130	**14.0**	0-30		
120-82-1	70287	1,2,4 - TRICHLOROBENZENE	ND	3.6	4.2	4	ug/L	**90**	**105**	70-130	**15.4**	0-30		
95-63-6	70287	1,2,4 - TRIMETHYLBENZENE	ND	4.4	4.7	4	ug/L	**110**	**118**	70-130	**6.6**	0-30		
96-12-8	70287	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND	3.9	4.3	4	ug/L	**98**	**108**	70-130	**9.8**	0-30		
541-73-1	70287	1,3 - DICHLOROBENZENE (meta)	ND	4.2	4.5	4	ug/L	**105**	**113**	70-130	**6.9**	0-30		
142-28-9	70287	1,3 - DICHLOROPROPANE	ND	3.6	3.7	4	ug/L	**90**	**93**	70-130	**2.7**	0-30		
108-67-8	70287	1,3,5 - TRIMETHYLBENZENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
106-46-7	70287	1,4 - DICHLOROBENZENE (para)	ND	4.1	4.4	4	ug/L	**103**	**110**	70-130	**7.1**	0-30		
594-20-7	70287	2,2 - DICHLOROPROPANE	ND	3.3	3.5	4	ug/L	**83**	**88**	70-130	**5.9**	0-30		
71-43-2	70287	BENZENE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
108-86-1	70287	BROMOBENZENE	ND	4.0	4.5	4	ug/L	**100**	**113**	70-130	**11.8**	0-30		
74-97-5	70287	BROMOCHLOROMETHANE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
75-27-4	70287	BROMODICHLOROMETHANE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
75-25-2	70287	BROMOFORM	ND	3.5	3.9	4	ug/L	**88**	**98**	70-130	**10.8**	0-30		
74-83-9	70287	BROMOMETHANE	ND	3.4	3.5	4	ug/L	**85**	**88**	70-130	**2.9**	0-30		
56-23-5	70287	CARBON TETRACHLORIDE	ND	4.0	4.2	4	ug/L	**100**	**105**	70-130	**4.9**	0-30		
108-90-7	70287	CHLOROBENZENE	ND	4.3	4.5	4	ug/L	**108**	**113**	70-130	**4.5**	0-30		
75-00-3	70287	CHLOROETHANE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
67-66-3	70287	CHLOROFORM	ND	3.9	4.0	4	ug/L	**98**	**100**	70-130	**2.5**	0-30		
74-87-3	70287	CHLOROMETHANE	ND	3.9	3.9	4	ug/L	**98**	**98**	70-130	**0.0**	0-30		
156-59-2	70287	CIS - 1,2 - DICHLOROETHENE	ND	3.4	3.8	4	ug/L	**85**	**95**	70-130	**11.1**	0-30		
10061-01-5	70287	CIS - 1,3 - DICHLOROPROPENE	ND	3.2	3.5	4	ug/L	**80**	**88**	70-130	**9.0**	0-30		
124-48-1	70287	DIBROMOCHLOROMETHANE	ND	3.5	3.8	4	ug/L	**88**	**95**	70-130	**8.2**	0-30		
74-95-3	70287	DIBROMOMETHANE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
75-71-8	70287	DICHLORODIFLUOROMETHANE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
100-41-4	70287	ETHYLBENZENE	ND	4.3	4.6	4	ug/L	**108**	**115**	70-130	**6.7**	0-30		
87-68-3	70287	HEXACHLOROBUTADIENE	ND	4.4	5.1	4	ug/L	**110**	**128**	70-130	**14.7**	0-30		
98-82-8	70287	ISOPROPYLBENZENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
179601-23-1	70287	M,P- XYLENE	ND	9.0	9.7	8	ug/L	**113**	**121**	70-130	**7.5**	0-30		
1634-04-4	70287	METHYL TERT-BUTYL ETHER	ND	3.0	3.5	4	ug/L	**75**	**88**	70-130	**15.4**	0-30		
75-09-2	70287	METHYLENE CHLORIDE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
104-51-8	70287	N - BUTYLBENZENE	ND	4.1	4.5	4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
103-65-1	70287	N - PROPYLBENZENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
91-20-3	70287	NAPHTHALENE	ND	3.0	3.6	4	ug/L	**75**	**90**	70-130	**18.2**	0-30		
95-49-8	70287	O - CHLOROTOLUENE	ND	4.3	4.7	4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
95-47-6	70287	O - XYLENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
106-43-4	70287	P - CHLOROTOLUENE	ND	4.3	4.6	4	ug/L	**108**	**115**	70-130	**6.7**	0-30		
99-87-6	70287	P - ISOPROPYLTOLUENE	ND	4.4	4.8	4	ug/L	**110**	**120**	70-130	**8.7**	0-30		
135-98-8	70287	SEC - BUTYLBENZENE	ND	4.5	5.0	4	ug/L	**113**	**125**	70-130	**10.5**	0-30		
100-42-5	70287	STYRENE	ND	4.6	5.0	4	ug/L	**115**	**125**	70-130	**8.3**	0-30		
98-06-6	70287	TERT - BUTYLBENZENE	ND	4.6	5.0	4	ug/L	**115**	**125**	70-130	**8.3**	0-30		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37801**
Report Date: 1/23/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
127-18-4	70287	TETRACHLOROETHYLENE	ND	3.5	3.6	4	ug/L	**88**	**90**	70-130	**2.8**	0-30		
108-88-3	70287	TOLUENE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
156-60-5	70287	TRANS - 1,2 - DICHLOROETHENE	ND	3.5	3.7	4	ug/L	**88**	**93**	70-130	**5.6**	0-30		
10061-02-6	70287	TRANS - 1,3 - DICHLOROPROPENE	ND	3.1	3.4	4	ug/L	**78**	**85**	70-130	**9.2**	0-30		
79-01-6	70287	TRICHLOROETHENE	ND	3.5	3.8	4	ug/L	**88**	**95**	70-130	**8.2**	0-30		
75-69-4	70287	TRICHLOROFLUOROMETHANE	ND	3.4	3.5	4	ug/L	**85**	**88**	70-130	**2.9**	0-30		
75-01-4	70287	VINYL CHLORIDE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
COD_241223														
E-10117	71674	CHEMICAL OXYGEN DEMAND	16	70	68	50	mg/L	**108**	**104**	70-130	**3.8**	0-20		
E-10117	72865	CHEMICAL OXYGEN DEMAND	7	57	58	50	mg/L	**100**	**102**	70-130	**2.0**	0-20		
E-10117	72866	CHEMICAL OXYGEN DEMAND	14	63	64	50	mg/L	**98**	**100**	70-130	**2.0**	0-20		
IC05_250102A														
16887-00-6	52	CHLORIDE	3.94	4.98		1	mg/L	**104**		90-110	**NA**	0-20		
14808-79-8	52	SULFATE	0.2	2.1		2	mg/L	**95**		90-110	**NA**	0-20		
16887-00-6	72865	CHLORIDE	4.1	5.1		1	mg/L	**100**		90-110	**NA**	0-20		
14808-79-8	72865	SULFATE	18.0	19.7		2	mg/L	**85**		90-110	**NA**	0-20	IS	
NO3NO2_241220A														
14797-55-8	72381	NITRATE-N	ND	0.515	0.505	0.50	mg/L	**103**	**101**	80-120	**2.0**	0-20		
14797-55-8	72841	NITRATE-N	0.106	0.616	0.631	0.50	mg/L	**102**	**105**	80-120	**2.9**	0-20		
14797-65-0	72841	NITRITE-N	0.012	0.504	0.509	0.50	mg/L	**98**	**99**	80-120	**1.0**	0-20		
14797-55-8	72847	NITRATE-N	1.04	1.55	1.55	0.50	mg/L	**102**	**102**	80-120	**0.0**	0-20		
14797-65-0	72847	NITRITE-N	0.00728	0.501	0.506	0.50	mg/L	**99**	**100**	80-120	**1.0**	0-20		
SIM_241226														
106-93-4	72867	1,2 - DIBROMOETHANE (EDB SIM)	ND	0.112	0.106	0.1	ug/L	**112**	**106**	70-130	**5.5**	0-30		
123-91-1	72867	1,4-DIOXANE (SIM)	ND	10.3	10.7	10	ug/L	**103**	**107**	70-130	**3.8**	0-30		
107-13-1	72867	ACRYLONITRILE (SIM)	ND	0.112	0.099	0.1	ug/L	**112**	**99**	70-130	**12.3**	0-30		
75-01-4	72867	VINYL CHLORIDE (SIM)	ND	0.122	0.114	0.1	ug/L	**122**	**114**	70-130	**6.8**	0-30		
TOC_241223A3														
E-10195	71883	TOTAL ORGANIC CARBON	0.17	3.91		4	mg/L	**94**		70-130	**NA**	0-20		
E-10195	72595	TOTAL ORGANIC CARBON	6.43	10.2		4	mg/L	**94**		70-130	**NA**	0-20		
E-10195	73029	TOTAL ORGANIC CARBON	1.53	4.52		4	mg/L	**75**		70-130	**NA**	0-20		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 24-37801
Report Date: 01/23/25

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8260W_241223						
72865	1,2 - DICHLOROETHANE-d4 (SURR)	117		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	117		%		
	4-BROMOFLUOROBENZENE (Surr)	101		%		
	d8-TOLUENE (Surr)	91		%		Acceptance Range: 50-150%
SIM_241226						
72865	d8-TOLUENE (Surr)	96		%	8260SIM	Acceptance Range: 50-150%
8260W_241223						
72866	1,2 - DICHLOROETHANE-d4 (SURR)	118		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	118		%		
	4-BROMOFLUOROBENZENE (Surr)	92		%		
	d8-TOLUENE (Surr)	102		%		Acceptance Range: 50-150%
SIM_241226						
72866	d8-TOLUENE (Surr)	95		%	8260SIM	Acceptance Range: 50-150%
8260W_241223						
72867	1,2 - DICHLOROETHANE-d4 (SURR)	119		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	117		%		
	4-BROMOFLUOROBENZENE (Surr)	91		%		
	d8-TOLUENE (Surr)	102		%		Acceptance Range: 50-150%
SIM_241226						
72867	d8-TOLUENE (Surr)	96		%	8260SIM	Acceptance Range: 50-150%
8260W_241223						
72868	1,2 - DICHLOROETHANE-d4 (SURR)	119		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	117		%		
	4-BROMOFLUOROBENZENE (Surr)	90		%		
	d8-TOLUENE (Surr)	101		%		Acceptance Range: 50-150%
SIM_241226						
72868	d8-TOLUENE (Surr)	96		%	8260SIM	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a meA surrogate is a pure compound added to a sample in the la

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 24-37801
Report Date: 01/23/25

Qualifier	Definition
BN	This compound was detected in the Trip Blank, but not in the associated field sample. No further action taken.
IM	Matrix induced bias assumed
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
LE	The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the MRL. No sample detections so no further action for this analysis batch.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

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Edge Analytical

INVOICE

Client No: SKA02

Client: SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273

Attn: Ms. Meghan MacMullen

Please include Reference number with payment

Reference: **24-37801**
Date: January 23, 2025
Project: Landfill Package - Inman #2
Date Received: December 19, 2024
Purchase Order: Landfill Pkg - Inman #2

Item	Lab Sample Number	Client Sample Number and Description	Type of Analysis	Turnaround	Extended Cost
1	72865.00	3337 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
2	72865.00	3337 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	
3	72865.00	3337 - Inman LF	Total Organic Carbon	Standard	
4	72865.00	3337 - Inman LF	Minerals in Water	Standard	
5	72865.00	3337 - Inman LF	Dissolved Metals	Standard	
6	72865.00	3337 - Inman LF	Ammonia	Standard	
7	72865.10	3337 - Inman LF	Chemical Oxygen Demand	Standard	
8	72865.10	3337 - Inman LF	Ion Chromatography-Anions	Standard	
9	72865.10	3337 - Inman LF	Total Dissolved Solids	Standard	
10	72865.10	3337 - Inman LF	ALKALINITY	Standard	
11	72865.10	3337 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
12	72865.10	3337 - Inman LF	Total Metals in Water	Standard	
13	72866.00	3338 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
14	72866.00	3338 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	
15	72866.00	3338 - Inman LF	Total Organic Carbon	Standard	
16	72866.00	3338 - Inman LF	Minerals in Water	Standard	
17	72866.00	3338 - Inman LF	Dissolved Metals	Standard	
18	72866.00	3338 - Inman LF	Ammonia	Standard	
19	72866.10	3338 - Inman LF	Chemical Oxygen Demand	Standard	
20	72866.10	3338 - Inman LF	Ion Chromatography-Anions	Standard	
21	72866.10	3338 - Inman LF	Total Dissolved Solids	Standard	
22	72866.10	3338 - Inman LF	ALKALINITY	Standard	
23	72866.10	3338 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
24	72866.10	3338 - Inman LF	Total Metals in Water	Standard	
25	72867.00	3332 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
26	72867.00	3332 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	

Thank You for Your Business

Please pay to corporate office by February 22, 2025 to avoid a 1.5% per month finance charge.

INVOICE

Client No: SKA02

Client: SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273

Attn: Ms. Meghan MacMullen

Please include Reference number with payment

Reference: **24-37801**
Date: January 23, 2025
Project: Landfill Package - Inman #2
Date Received: December 19, 2024
Purchase Order: Landfill Pkg - Inman #2

Item	Lab Sample Number	Client Sample Number and Description	Type of Analysis	Turnaround	Extended Cost
27	72867.00	3332 - Inman LF	Total Organic Carbon	Standard	
28	72867.00	3332 - Inman LF	Minerals in Water	Standard	
29	72867.00	3332 - Inman LF	Dissolved Metals	Standard	
30	72867.00	3332 - Inman LF	Ammonia	Standard	
31	72867.10	3332 - Inman LF	Chemical Oxygen Demand	Standard	
32	72867.10	3332 - Inman LF	Ion Chromatography-Anions	Standard	
33	72867.10	3332 - Inman LF	Total Dissolved Solids	Standard	
34	72867.10	3332 - Inman LF	ALKALINITY	Standard	
35	72867.10	3332 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
36	72867.10	3332 - Inman LF	Total Metals in Water	Standard	
37	72868.00	3336 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
38	72868.00	3336 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	
39	72868.00	3336 - Inman LF	Total Organic Carbon	Standard	
40	72868.00	3336 - Inman LF	Minerals in Water	Standard	
41	72868.00	3336 - Inman LF	Dissolved Metals	Standard	
42	72868.00	3336 - Inman LF	Ammonia	Standard	
43	72868.10	3336 - Inman LF	Chemical Oxygen Demand	Standard	
44	72868.10	3336 - Inman LF	Ion Chromatography-Anions	Standard	
45	72868.10	3336 - Inman LF	Total Dissolved Solids	Standard	
46	72868.10	3336 - Inman LF	ALKALINITY	Standard	
47	72868.10	3336 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
48	72868.10	3336 - Inman LF	Total Metals in Water	Standard	

Grand Total: $2,140.00
Amount Paid: $0.00
Amount Due (US Dollars): **$2,140.00**

Please Detach Here ^ and return this portion with your payment

Reference: **24-37801**
Amount Due: $2,140.00 in USD

SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273
SKA02

NEW Please Remit To:
Eurofins Environment Testing Northwest, LLC
PO BOX 1451, Carol Stream, IL 60132-1451

OR you can pay on-line at:
https://smartpay.profitstars.com/express/CUS033EETNW

Form: invoice.rpt

Chain of Custody / Analysis Request (Please complete all appl

24-37801

72865 - 72868

Page_____ of_____

Report to:	Skagit County Public Works	Bill to:	SKA02	For Lab use Only	
Ship Address:	1800 Continental Place	Address:		Ref #	
City:	Mount Vernor St: WA Zip: 98273	City:	St: Zip:	**Check Regulatory Program**	
Attn:	Russell Thompson	Phone:	FAX:	☐ Safe Drinking Water Act	
Phone:	360.416-1400 FAX:	P.O.#:	Attn:	☐ Clean Water Act	
Email:	margog@co.skagit.wa.us;meghanm@co.skagit.wa.us			☐ RCRA / CERCLA	
Project	Inman Landfill #2			☐ Other	

EDGE ANALYTICAL

Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (360-715-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wilsonville Lab (503-682-7802)
9725 SW Commerce Cir. Ste A2 Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
1100 NE Circle Blvd, Ste 130, Corvallis, OR 97330
Bend Lab (541-639-8425)
20332 Empire Ave Ste F4, Bend, OR 97703

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. List each metal individually
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.
6. ***(NEW)*** Report to __ MDL or __ PQL ***(NEW)***

Turn Around Time Required
- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Req.)

CO063295

Analyses Requested

	Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	As, Fe, Mn	Field Blank (8260 SIM)	Field Blank (8260)	Landfill Package - Inman SCPW	MSMSD/8260	MSMSD/SIMS			Number of Containers	Special Instructions Conditions on Receipt
1	3337	Inman LF	Grab	W	12/19/24	10:30	X	X	X	X						
2	3338	↓	↓	↓	↓	12:00	X	X	X	X						
3	3332					13:50	X	X	X	X	X	X				
4	3336					14:45	X	X	X	X						
5																
6																
7																
8																
9																

****Are there known hazardous or dangerous wastes in these samples? YES / NO If YES, indicate type on reverse of this form; samples may be returned to you.**

Total Containers

Sampled by: Russell Thompson Phone: FAX: Email:

Sample Receipt Request (Must include FAX or Email) X

* **W** - water **SW** - surface water **WW** - waste water **SL** - salt water
DW - drinking water **ST** - storm water **S** - soil **OL** - oil Other:

****Relinquished by**	Date	Time	Received by	Date	Time
Russell Thompson	12/19/24	15:25	[illegible] WS/1 PM01	12/19/24	15:30

	Yes	No	N/A
Custody seals intact			✓
Sample temp 6.8 C° satisfactory	✓		
Samples received intact	✓		
Chain of custody & labels agree	✓		

FORM COC 5-24-2024

eurofins | Environment Testing Edge Analytical

Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

January 23, 2025

Russell Thompson
Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

RE: 24-37908 - Landfill Package - Inman #2

Dear Russell Thompson,

Your project: Landfill Package - Inman #2, was received on Friday December 20, 2024.

All samples were analyzed within the accepted holding times and were appropriately preserved and analyzed according to approved analytical protocols, unless noted in the data or QC reports. The quality control data was within laboratory acceptance limits, unless specified in the data or QC reports.

If you have questions phone us at 800 755-9295.

Respectfully



Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report

eurofins | Environment Testing Edge Analytical

Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

Client Name: Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

Reference Number: **24-37908**
Project: Landfill Package - Inman #2

Report Date: 1/23/25

Date Received: 12/20/24
Approved by: anp,bj,ebvp,ljh
Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Sample Description: 3329 Inman LF — Matrix W — Sample Date: 12/20/24 11:10 am
Lab Number: 73054 — Sample Comment: — Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-89-6	**IRON, Dissolved**	ND	0.050	0.001	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227F4	
7440-70-2	**CALCIUM**	35.4	0.5	0.008	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-95-4	**MAGNESIUM**	14.1	0.5	0.01	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-96-5	**MANGANESE**	0.0188	0.001	0.001	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-89-6	**IRON**	0.012	0.050	0.003	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-09-7	**POTASSIUM**	24.2	0.5	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-23-5	**SODIUM**	9.7	1	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-47-3	**CHROMIUM, Dissolved**	0.0015	0.001	8.80E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-62-2	**VANADIUM, Dissolved**	0.0018	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-48-4	**COBALT, Dissolved**	0.0003 J	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-02-0	**NICKEL, Dissolved**	0.0021	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7439-96-5	**MANGANESE, Dissolved**	0.0004 J	0.001	3.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-50-8	**COPPER, Dissolved**	0.0008 J	0.002	5.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-66-6	**ZINC, Dissolved**	ND	0.0025	0.00017	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC, Dissolved**	0.0009 J	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7782-49-2	**SELENIUM, Dissolved**	0.0031	0.001	0.00011	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-36-0	**ANTIMONY, Dissolved**	0.00026 J	0.001	0.0001	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-39-3	**BARIUM, Dissolved**	0.0269	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0005	1.80E-05	mg/L	1.0	200.8/FldFilter	a	1/6/25	EBVP	200.8_250106HB5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC**	0.0009	0.0005	0.0004	mg/L	1.0	200.8/TR	a	12/27/24	BJ	200.8_241227D5	
16887-00-6	**CHLORIDE**	29.5	0.1	0.01	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
14808-79-8	**SULFATE**	ND	0.2	0.04	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
7664-41-7	**AMMONIA-N**	ND	0.010	0.0045	mg/L	1.0	350.1	a	1/6/25	SPM2	350.1_250106A	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

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Reference Number: **24-37908**
Report Date: 1/23/25

Data Report

Sample Description: 3329 Inman LF | Matrix W | Sample Date: 12/20/24 11:10 am
Lab Number: 73054 | Sample Comment: | Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
NA	**BICARBONATE**	141	1		mg CaCO3/L	1.0	SM2320 B	a	12/26/24	RMC	ALK_241226	
E-14506	**ALKALINITY**	142	1.0		mg CaCO3/L	1.0	SM2320 B	a	1/2/25	RMC	ALK_250102	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	230	10		mg/L	1.0	SM2540 C	a	12/31/24	JER	TDS_241226	
14797-55-8	**NITRATE-N**	1.66	0.1		mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220b	
14797-65-0	**NITRITE-N**	0.031	0.1	0.0024	mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220B	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	20	3.63	mg/L	1.0	SM5220 D	a	12/26/24	ATH	COD_241226	
E-10195	**TOTAL ORGANIC CARBON**	0.82	0.15	0.12	mg/L	1.0	SM5310 B	a	12/23/24	RMC	TOC_241223A3	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

Reference Number: **24-37908**
Report Date: 1/23/25

Data Report

Sample Description: 3330 Inman LF — Matrix W — Sample Date: 12/20/24 12:50 pm
Lab Number: 73055 — Sample Comment: — Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-96-5	**MANGANESE, Dissolved**	0.986	0.001	0.0002	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227F4	
7439-89-6	**IRON, Dissolved**	9.00	0.050	0.001	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227F4	
7440-70-2	**CALCIUM**	39.5	0.5	0.008	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-95-4	**MAGNESIUM**	26.2	0.5	0.01	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-96-5	**MANGANESE**	0.997	0.001	0.001	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-89-6	**IRON**	9.05	0.050	0.003	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-09-7	**POTASSIUM**	6.0	0.5	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-23-5	**SODIUM**	14.8	1	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-47-3	**CHROMIUM, Dissolved**	0.0004 J	0.001	8.80E-05	mg/L	1.0	200.8/FldFilter	a	1/7/25	BJ	200.8_250107B5	
7440-62-2	**VANADIUM, Dissolved**	0.0006 J	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	1/7/25	BJ	200.8_250107B5	
7440-48-4	**COBALT, Dissolved**	0.0004 J	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	1/7/25	BJ	200.8_250107B5	
7440-02-0	**NICKEL, Dissolved**	0.0020	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	1/7/25	BJ	200.8_250107B5	
7440-50-8	**COPPER, Dissolved**	0.00016 J	0.002	5.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-66-6	**ZINC, Dissolved**	ND	0.0025	0.00017	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC, Dissolved**	0.0035	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7782-49-2	**SELENIUM, Dissolved**	0.0007 J	0.001	0.00011	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-36-0	**ANTIMONY, Dissolved**	ND	0.001	0.0001	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-39-3	**BARIUM, Dissolved**	0.152	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0005	1.80E-05	mg/L	1.0	200.8/FldFilter	a	1/6/25	EBVP	200.8_250106HB5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC**	0.0032	0.0005	0.0004	mg/L	1.0	200.8/TR	a	12/27/24	BJ	200.8_241227D5	
16887-00-6	**CHLORIDE**	29.7	0.1	0.01	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
14808-79-8	**SULFATE**	ND	0.2	0.04	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
7664-41-7	**AMMONIA-N**	1.61	0.010	0.0045	mg/L	1.0	350.1	a	1/6/25	SPM2	350.1_250106A	
NA	**BICARBONATE**	212	5		mg CaCO3/L	5.0	SM2320 B	a	12/26/24	RMC	ALK_241226	
E-14506	**ALKALINITY**	207	5.0		mg CaCO3/L	5.0	SM2320 B	a	1/2/25	RMC	ALK_250102	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	293	10		mg/L	1.0	SM2540 C	a	12/31/24	JER	TDS_241226	
14797-55-8	**NITRATE-N**	ND	0.1		mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220b	
14797-65-0	**NITRITE-N**	0.040	0.1	0.0024	mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220B	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	20	3.63	mg/L	1.0	SM5220 D	a	12/26/24	ATH	COD_241226	
E-10195	**TOTAL ORGANIC CARBON**	4.37	0.15	0.12	mg/L	1.0	SM5310 B	a	12/23/24	RMC	TOC_241223A3	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
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D.F. - Dilution Factor

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Reference Number: **24-37908**
Report Date: 1/23/25

Data Report

Sample Description: 3331 Inman LF | Matrix W | Sample Date: 12/20/24 1:00 pm
Lab Number: 73056 | Sample Comment: | Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-96-5	**MANGANESE, Dissolved**	0.982	0.001	0.0002	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227F4	
7439-89-6	**IRON, Dissolved**	8.91	0.050	0.001	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227F4	
7440-70-2	**CALCIUM**	39.4	0.5	0.008	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-95-4	**MAGNESIUM**	26.3	0.5	0.01	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-96-5	**MANGANESE**	0.982	0.001	0.001	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7439-89-6	**IRON**	9.33	0.050	0.003	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-09-7	**POTASSIUM**	6.1	0.5	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-23-5	**SODIUM**	14.9	1	0.1	mg/L	1.0	200.7/TR	a	12/27/24	BJ	200.7_241227N4	
7440-47-3	**CHROMIUM, Dissolved**	0.0005 J	0.001	8.80E-05	mg/L	1.0	200.8/FldFilter	a	1/7/25	BJ	200.8_250107B5	
7440-62-2	**VANADIUM, Dissolved**	0.0007 J	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	1/7/25	BJ	200.8_250107B5	
7440-48-4	**COBALT, Dissolved**	0.0005 J	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	1/7/25	BJ	200.8_250107B5	
7440-02-0	**NICKEL, Dissolved**	0.0020	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	1/7/25	BJ	200.8_250107B5	
7440-50-8	**COPPER, Dissolved**	0.0002 J	0.002	5.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-66-6	**ZINC, Dissolved**	ND	0.0025	0.00017	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC, Dissolved**	0.0034	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7782-49-2	**SELENIUM, Dissolved**	0.0007 J	0.001	0.00011	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-36-0	**ANTIMONY, Dissolved**	0.00012 J	0.001	0.0001	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-39-3	**BARIUM, Dissolved**	0.154	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0005	1.80E-05	mg/L	1.0	200.8/FldFilter	a	1/6/25	EBVP	200.8_250106HB5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC**	0.0032	0.0005	0.0004	mg/L	1.0	200.8/TR	a	12/27/24	BJ	200.8_241227D5	
16887-00-6	**CHLORIDE**	12.8	0.1	0.01	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
14808-79-8	**SULFATE**	16.8	0.2	0.04	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
7664-41-7	**AMMONIA-N**	1.59	0.010	0.0045	mg/L	1.0	350.1	a	1/6/25	SPM2	350.1_250106A	
NA	**BICARBONATE**	204	5		mg CaCO3/L	5.0	SM2320 B	a	12/26/24	RMC	ALK_241226	
E-14506	**ALKALINITY**	200	5.0		mg CaCO3/L	5.0	SM2320 B	a	1/2/25	RMC	ALK_250102	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	289	10		mg/L	1.0	SM2540 C	a	12/31/24	JER	TDS_241226	
14797-55-8	**NITRATE-N**	ND	0.1		mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220b	
14797-65-0	**NITRITE-N**	0.039	0.1	0.0024	mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220B	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	20	3.63	mg/L	1.0	SM5220 D	a	12/26/24	ATH	COD_241226	
E-10195	**TOTAL ORGANIC CARBON**	4.43	0.15	0.12	mg/L	1.0	SM5310 B	a	12/23/24	RMC	TOC_241223A3	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
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D.F. - Dilution Factor

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Reference Number: **24-37908**
Report Date: 1/23/25

Data Report

Sample Description: 3335 Inman LF | Matrix W | Sample Date: 12/20/24 1:45 pm
Lab Number: 73057 | Sample Comment: | Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-89-6	**IRON, Dissolved**	0.032 J	0.050	0.001	mg/L	1.0	200.7/FldFilter	a	12/27/24	BJ	200.7_241227F4	
7440-70-2	**CALCIUM**	64.4	0.5	0.008	mg/L	1.0	200.7/TR	a	12/31/24	BJ	200.7_241231B5	
7439-95-4	**MAGNESIUM**	40.2	0.5	0.01	mg/L	1.0	200.7/TR	a	12/31/24	BJ	200.7_241231B5	
7439-96-5	**MANGANESE**	0.0251	0.001	0.001	mg/L	1.0	200.7/TR	a	12/31/24	BJ	200.7_241231B5	
7439-89-6	**IRON**	0.55	0.050	0.003	mg/L	1.0	200.7/TR	a	12/31/24	BJ	200.7_241231B5	
7440-09-7	**POTASSIUM**	8.7	0.5	0.1	mg/L	1.0	200.7/TR	a	12/31/24	BJ	200.7_241231B5	
7440-23-5	**SODIUM**	26.8	1	0.1	mg/L	1.0	200.7/TR	a	12/31/24	BJ	200.7_241231B5	
7440-47-3	**CHROMIUM, Dissolved**	0.0030	0.001	8.80E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-62-2	**VANADIUM, Dissolved**	0.0013	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-48-4	**COBALT, Dissolved**	0.0006 J	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-02-0	**NICKEL, Dissolved**	0.0046	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7439-96-5	**MANGANESE, Dissolved**	0.0020	0.001	3.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-50-8	**COPPER, Dissolved**	0.0043	0.002	5.00E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-66-6	**ZINC, Dissolved**	0.0009 J	0.0025	0.00017	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC, Dissolved**	0.0007 J	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7782-49-2	**SELENIUM, Dissolved**	0.0008 J	0.001	0.00011	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-43-9	**CADMIUM, Dissolved**	0.000026 J	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-36-0	**ANTIMONY, Dissolved**	0.00026 J	0.001	0.0001	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-39-3	**BARIUM, Dissolved**	0.0913	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0005	1.80E-05	mg/L	1.0	200.8/FldFilter	a	1/6/25	EBVP	200.8_250106HB5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	1/3/25	BJ	200.8_250103B5	
7440-38-2	**ARSENIC**	0.0012	0.0005	0.0004	mg/L	1.0	200.8/TR	a	12/31/24	BJ	200.8_241231A5	
16887-00-6	**CHLORIDE**	1.7	0.1	0.01	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
14808-79-8	**SULFATE**	10.3	0.2	0.04	mg/L	1.0	300.0	a	1/2/25	EBVP	IC05_250102A	
7664-41-7	**AMMONIA-N**	0.02	0.010	0.0045	mg/L	1.0	350.1	a	1/6/25	SPM2	350.1_250106A	
NA	**BICARBONATE**	348	2		mg CaCO3/L	2.0	SM2320 B	a	12/26/24	RMC	ALK_241226	
E-14506	**ALKALINITY**	354	2.0		mg CaCO3/L	2.0	SM2320 B	a	1/2/25	RMC	ALK_250102	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	395	10		mg/L	1.0	SM2540 C	a	12/31/24	JER	TDS_241226	
14797-55-8	**NITRATE-N**	0.070	0.1		mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220b	
14797-65-0	**NITRITE-N**	0.016	0.1	0.0024	mg/L	1.0	SM4500-NO3 F	a	12/20/24	CJK2	NO3NO2_241220B	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	20	3.63	mg/L	1.0	SM5220 D	a	12/26/24	ATH	COD_241226	
E-10195	**TOTAL ORGANIC CARBON**	4.53	0.15	0.12	mg/L	1.0	SM5310 B	a	12/23/24	RMC	TOC_241223A3	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

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Burlington, WA *(a)*
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Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

WSDOE Lab C567

DATA REPORT

Client Name: Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

Reference Number: **24-37908**
Project: Landfill Package - Inman #2

Lab Number: 73054
Field ID: 3329
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

Form: c608.rpt

Lab Number: 73054
Field ID: 3329
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**0.6**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**ND**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**ND**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	

Notes:

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D.F. - Dilution Factor.

Lab Number: 73054
Field ID: 3329
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**ND**		ug/L	0.5	0.16	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 73054
Field ID: 3329
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/26/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/26/24
Analyst: NML
Analytical Method: 8260SIM
Batch: SIM_241226
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**ND**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**ND**		ug/L	5	1.42	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 73055
Field ID: 3330
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	

Notes:

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D.F. - Dilution Factor.

Lab Number: 73055
Field ID: 3330
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**0.6**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**2.0**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	

Notes:

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Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 73055
Field ID: 3330
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**1.2**		ug/L	0.5	0.16	1.00	a	

Notes:

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Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 73055
Field ID: 3330
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/26/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/26/24
Analyst: NML
Analytical Method: 8260SIM
Batch: SIM_241226
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**0.052**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**3.4**	J	ug/L	5	1.42	1.00	a	

Notes:

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ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 73056
Field ID: 3331
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	

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D.F. - Dilution Factor.

Lab Number: 73056
Field ID: 3331
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**0.7**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**2.0**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	

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D.F. - Dilution Factor.

Lab Number: 73056
Field ID: 3331
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**1.3**		ug/L	0.5	0.16	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 73056
Field ID: 3331
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/26/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/26/24
Analyst: NML
Analytical Method: 8260SIM
Batch: SIM_241226
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**0.052**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**3.3**	J	ug/L	5	1.42	1.00	a	

Notes:

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Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 73057
Field ID: 3335
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 73057
Field ID: 3335
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**ND**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**0.4**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 73057
Field ID: 3335
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/23/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/23/24
Analyst: MA
Analytical Method: 8260D
Batch: 8260W_241223
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**ND**		ug/L	0.5	0.16	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 73057
Field ID: 3335
Sample Description: Inman LF
Matrix: Water
Sample Date: 12/20/24
Extraction Date: 12/26/24
Extraction Method: 5030B

Report Date: 1/23/25
Date Analyzed: 12/26/24
Analyst: NML
Analytical Method: 8260SIM
Batch: SIM_241226
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**ND**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**ND**		ug/L	5	1.42	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Calibration Check

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227F4	2	IRON, Dissolved	1.02	1	mg/L	200.7	102	90-110		CAL	
	2	MANGANESE, Dissolved	1.04	1	mg/L	200.7	104	90-110		CAL	
200.7_241227N4	2	IRON	1.02	1	mg/L	200.7	102	90-110		CAL	
	2	MANGANESE	1.04	1	mg/L	200.7	104	90-110		CAL	
	2	CALCIUM	11.3	11	mg/L	200.7	103	90-110		CAL	
	2	MAGNESIUM	11.3	11	mg/L	200.7	103	90-110		CAL	
	2	POTASSIUM	8.7	8.5	mg/L	200.7	102	90-110		CAL	
	2	SODIUM	11.4	11	mg/L	200.7	104	90-110		CAL	
200.7_241231B5	2	IRON	0.996	1	mg/L	200.7	100	90-110		CAL	
	2	MANGANESE	0.991	1	mg/L	200.7	99	90-110		CAL	
	2	CALCIUM	11.1	11	mg/L	200.7	101	90-110		CAL	
	2	MAGNESIUM	11	11	mg/L	200.7	100	90-110		CAL	
	2	POTASSIUM	8.6	8.5	mg/L	200.7	101	90-110		CAL	
	2	SODIUM	10.8	11	mg/L	200.7	98	90-110		CAL	
200.8_241227D5	0	ARSENIC	0.00102	0.001	mg/L	200.8	102	80-120		CAL	
200.8_241231A5	0	ARSENIC	0.00101	0.001	mg/L	200.8	101	80-120		CAL	
200.8_250103B5	0	ARSENIC, Dissolved	0.00103	0.001	mg/L	200.8	103	80-120		CAL	
	0	BARIUM, Dissolved	0.00104	0.001	mg/L	200.8	104	80-120		CAL	
	0	CADMIUM, Dissolved	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
	0	CHROMIUM, Dissolved	0.00093	0.001	mg/L	200.8	93	80-120		CAL	
	0	COBALT, Dissolved	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
	0	COPPER, Dissolved	0.00101	0.001	mg/L	200.8	101	80-120		CAL	
	0	LEAD, Dissolved	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
	0	MANGANESE, Dissolved	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
	0	NICKEL, Dissolved	0.00104	0.001	mg/L	200.8	104	80-120		CAL	
	0	VANADIUM, Dissolved	0.00103	0.001	mg/L	200.8	103	80-120		CAL	
	0	ZINC, Dissolved	0.0048	0.005	mg/L	200.8	96	80-120		CAL	
	0	ANTIMONY, Dissolved	0.00106	0.001	mg/L	200.8	106	80-120		CAL	
	0	SELENIUM, Dissolved	0.00106	0.001	mg/L	200.8	106	80-120		CAL	
200.8_250106HB	0	MERCURY, Dissolved	0.0001	0.0001	mg/L	200.8	100	80-120		CAL	
200.8_250107B5	0	CHROMIUM, Dissolved	0.00106	0.001	mg/L	200.8	106	80-120		CAL	
	0	COBALT, Dissolved	0.00104	0.001	mg/L	200.8	104	80-120		CAL	
	0	NICKEL, Dissolved	0.00107	0.001	mg/L	200.8	107	80-120		CAL	
	0	VANADIUM, Dissolved	0.00107	0.001	mg/L	200.8	107	80-120		CAL	
350.1_250106A	0	AMMONIA-N	2.6	2.5	mg/L	350.1	104	90-110		CAL	
COD_241226	0	CHEMICAL OXYGEN DEMAND	46	50	mg/L	SM5220 D	92	90-110		CAL	
IC05_250102A	0	CHLORIDE	0.9	1	mg/L	300.0	90	90-110		CAL	
	0	SULFATE	1.9	2	mg/L	300.0	95	90-110		CAL	
NO3NO2_24122(	0	NITRATE-N	0.491	0.50	mg/L	SM4500-NO3 F	98	90-110		CAL	
	0	NITRITE-N	0.509	0.50	mg/L	SM4500-NO3 F	102	90-110		CAL	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Calibration Check										
TOC_241223A3 0	TOTAL ORGANIC CARBON	2.42	2.5	mg/L	SM5310 B	97	90-110		CAL	

*Notation:
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227F4	1	IRON, Dissolved	0.501	0.5	mg/L	200.7	100	85-115		LFB	
	1	MANGANESE, Dissolved	0.502	0.5	mg/L	200.7	100	85-115		LFB	
200.7_241227N4	2	IRON	0.251	0.25	mg/L	200.7	100	85-115		LFB	
	2	MANGANESE	0.259	0.25	mg/L	200.7	104	85-115		LFB	
	2	CALCIUM	7.2	6.5	mg/L	200.7	111	85-115		LFB	
	2	MAGNESIUM	7	6.5	mg/L	200.7	108	85-115		LFB	
	2	POTASSIUM	8.7	8.75	mg/L	200.7	99	85-115		LFB	
	2	SODIUM	7	6.5	mg/L	200.7	108	85-115		LFB	
200.7_241231B5	2	IRON	0.269	0.25	mg/L	200.7	108	85-115		LFB	
	2	MANGANESE	0.263	0.25	mg/L	200.7	105	85-115		LFB	
	2	CALCIUM	7.4	6.5	mg/L	200.7	114	85-115		LFB	
	2	MAGNESIUM	7.2	6.5	mg/L	200.7	111	85-115		LFB	
	2	POTASSIUM	9	8.75	mg/L	200.7	103	85-115		LFB	
	2	SODIUM	7	6.5	mg/L	200.7	108	85-115		LFB	
200.8_241227D5	0	ARSENIC	0.0136	0.0125	mg/L	200.8	109	85-115		LFB	
200.8_241231A5	0	ARSENIC	0.0139	0.0125	mg/L	200.8	111	85-115		LFB	
200.8_250103B5	0	ARSENIC, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	BARIUM, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	CADMIUM, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	CHROMIUM, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
	0	COBALT, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
	0	COPPER, Dissolved	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	LEAD, Dissolved	0.0097	0.01	mg/L	200.8	97	85-115		LFB	
	0	MANGANESE, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	NICKEL, Dissolved	0.0106	0.01	mg/L	200.8	106	85-115		LFB	
	0	VANADIUM, Dissolved	0.0098	0.01	mg/L	200.8	98	85-115		LFB	
	0	ZINC, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	ANTIMONY, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	SELENIUM, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
200.8_250106HB	0	MERCURY, Dissolved	0.00056	0.0005	mg/L	200.8	112	85-115		LFB	
200.8_250107B5	0	CHROMIUM, Dissolved	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	COBALT, Dissolved	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	NICKEL, Dissolved	0.0103	0.01	mg/L	200.8	103	85-115		LFB	
	0	VANADIUM, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
350.1_250106A	0	AMMONIA-N	0.94	1	mg/L	350.1	94	85-115		LFB	
8260W_241223	0	1,1 - DICHLOROETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,1 - DICHLOROETHYLENE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	1,1 - DICHLOROPROPENE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	1,1,1 - TRICHLOROETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,1,1,2 - TETRACHLOROETHANE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	1,1,2 - TRICHLOROETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	

*Notation:

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NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	1,1,2 - TRICHLOROTRIFLUOROETHANE	7.8	10	ug/L	8260D	78	80-120	LR	LFB	
	0	1,1,2,2 - TETRACHLOROETHANE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	1,2 - DICHLOROBENZENE (ortho)	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	1,2 - DICHLOROETHANE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	1,2 - DICHLOROPROPANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,2,3 - TRICHLOROBENZENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	1,2,3 - TRICHLOROPROPANE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	1,2,4 - TRICHLOROBENZENE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	1,2,4 - TRIMETHYLBENZENE	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	10.9	10	ug/L	8260D	109	80-120		LFB	
	0	1,3 - DICHLOROBENZENE (meta)	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	1,3 - DICHLOROPROPANE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	1,3,5 - TRIMETHYLBENZENE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	1,4 - DICHLOROBENZENE (para)	11.0	10	ug/L	8260D	110	80-120		LFB	
	0	1-CHLOROBUTANE	9.5	10	ug/L	8260D	95	80-120		LFB	
	0	2,2 - DICHLOROPROPANE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	2-BUTANONE (MEK)	11.7	10	ug/L	8260D	117	80-120		LFB	
	0	2-CHLOROETHYL VINYL ETHER	9.8	10	ug/L	8260D	98	80-120		LFB	
	0	2-HEXANONE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	2-NITROPROPANE	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	4-METHYL-2-PENTANONE	11.5	10	ug/L	8260D	115	80-120		LFB	
	0	ACETONE	11.6	10	ug/L	8260D	116	80-120	LE	LFB	
	0	ACROLEIN	9.2	10	ug/L	8260D	92	80-120	LE	LFB	
	0	ACRYLONITRILE	19.4	20	ug/L	8260D	97	80-120		LFB	
	0	ALLYL CHLORIDE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	BENZENE	9.2	10	ug/L	8260D	92	80-120		LFB	
	0	BROMOBENZENE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	BROMOCHLOROMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	BROMODICHLOROMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	BROMOFORM	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	BROMOMETHANE	8.2	10	ug/L	8260D	82	80-120		LFB	
	0	CARBON DISULFIDE	8.4	10	ug/L	8260D	84	80-120	LE	LFB	
	0	CARBON TETRACHLORIDE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	CHLOROBENZENE	10.6	10	ug/L	8260D	106	80-120		LFB	
	0	CHLOROETHANE	8.3	10	ug/L	8260D	83	80-120		LFB	
	0	CHLOROFORM	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	CHLOROMETHANE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	CIS - 1,2 - DICHLOROETHENE	9.5	10	ug/L	8260D	95	80-120		LFB	
	0	CIS - 1,3 - DICHLOROPROPENE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	DIBROMOCHLOROMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	DIBROMOMETHANE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	DICHLORODIFLUOROMETHANE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	DICHLOROFLUOROMETHANE (FREON-21)	9.8	10	ug/L	8260D	98	80-120		LFB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	DIETHYL ETHER	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	ETHYL METHACRYLATE	10.3	10	ug/L	8260D	103	80-120		LFB	
	0	ETHYLBENZENE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	HEXACHLOROBUTADIENE	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	HEXACHLOROETHANE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	ISOPROPYLBENZENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	M,P- XYLENE	22.4	20	ug/L	8260D	112	80-120		LFB	
	0	METHACRYLONITRILE	10.0	10	ug/L	8260D	100	80-120		LFB	
	0	METHYL ACRYLATE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	METHYL IODIDE	9.4	10	ug/L	8260D	94	80-120	LE	LFB	
	0	METHYL METHACRYLATE	10.6	10	ug/L	8260D	106	80-120		LFB	
	0	METHYL TERT-BUTYL ETHER	9.5	10	ug/L	8260D	95	80-120		LFB	
	0	METHYLENE CHLORIDE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	N - BUTYLBENZENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	N - PROPYLBENZENE	11.8	10	ug/L	8260D	118	80-120		LFB	
	0	NAPHTHALENE	11.5	10	ug/L	8260D	115	80-120		LFB	
	0	O - CHLOROTOLUENE	11.4	10	ug/L	8260D	114	80-120		LFB	
	0	O - XYLENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	P - CHLOROTOLUENE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	P - ISOPROPYLTOLUENE	11.5	10	ug/L	8260D	115	80-120		LFB	
	0	PENTACHLOROETHANE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	SEC - BUTYLBENZENE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	STYRENE	11.9	10	ug/L	8260D	119	80-120		LFB	
	0	TERT - BUTYLBENZENE	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	TETRACHLOROETHYLENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TETRAHYDROFURAN	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	TOLUENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TRANS - 1,2 - DICHLOROETHENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TRANS - 1,3 - DICHLOROPROPENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	TRANS - 1,4 - DICHLORO-2-BUTENE	12.0	10	ug/L	8260D	120	80-120		LFB	
	0	TRICHLOROETHENE	9.3	10	ug/L	8260D	93	80-120		LFB	
	0	TRICHLOROFLUOROMETHANE	8.2	10	ug/L	8260D	82	80-120		LFB	
	0	VINYL CHLORIDE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	(FREON 22) CHLORODIFLUOROMETHANE	10.6	10	ug/L	8260D	106	80-120		LFB	
ALK_250102	0	ALKALINITY	101	100	mg CaCO3/L	SM2320 B	101	90-110		LFB	
COD_241226	0	CHEMICAL OXYGEN DEMAND	49	50	mg/L	SM5220 D	98	90-110		LFB	
NO3NO2_24122(	0	NITRITE-N	0.50	0.50	mg/L	SM4500-NO3 F	100	90-110		LFB	
SIM_241226	0	1,2 - DIBROMOETHANE (EDB SIM)	0.100	0.1	ug/L	8260SIM	100	80-120		LFB	SIMS ANALYSIS
	0	1,4-DIOXANE (SIM)	10.0	10	ug/L	8260SIM	100	80-120		LFB	SIMS ANALYSIS
	0	ACRYLONITRILE (SIM)	0.105	0.1	ug/L	8260SIM	105	80-120		LFB	SIMS ANALYSIS
	0	VINYL CHLORIDE (SIM)	0.098	0.1	ug/L	8260SIM	98	80-120		LFB	SIMS ANALYSIS
TOC_241223A3	0	TOTAL ORGANIC CARBON	0.97	1	mg/L	SM5310 B	97	90-110		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Laboratory Reagent Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227F4	0	IRON, Dissolved	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		LRB	
200.7_241227N4	0	IRON	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE	ND		mg/L	200.7		0-0		LRB	
	0	CALCIUM	ND		mg/L	200.7		0-0		LRB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		LRB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		LRB	
	0	SODIUM	ND		mg/L	200.7		0-0		LRB	
200.7_241231B5	0	IRON	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE	ND		mg/L	200.7		0-0		LRB	
	0	CALCIUM	ND		mg/L	200.7		0-0		LRB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		LRB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		LRB	
	0	SODIUM	ND		mg/L	200.7		0-0		LRB	
200.8_241227D5	0	ARSENIC	ND		mg/L	200.8		0-0		LRB	
200.8_241231A5	0	ARSENIC	ND		mg/L	200.8		0-0		LRB	
200.8_250103B5	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	MANGANESE, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
200.8_250106HB	0	MERCURY, Dissolved	ND		mg/L	200.8		0-0		LRB	
200.8_250107B5	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
ALK_250102	0	ALKALINITY	0.0		mg CaCO3/l	SM2320 B		0-1		LRB	
	0	ALKALINITY	0.1		mg CaCO3/l	SM2320 B		0-1		LRB	
IC05_250102A	0	CHLORIDE	ND		mg/L	300.0		0-0		LRB	
	0	SULFATE	ND		mg/L	300.0		0-0		LRB	
NO3NO2_24122(	0	NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0		LRB	
	0	NITRITE-N	ND		mg/L	SM4500-NO3 F		0-0		LRB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Laboratory Reagent Blank										
TOC_241223A3	0 TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0-0		LRB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227F4	0	IRON, Dissolved	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		MB	
200.7_241227N4	0	IRON	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE	ND		mg/L	200.7		0-0		MB	
	0	CALCIUM	ND		mg/L	200.7		0-0		MB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		MB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		MB	
	0	SODIUM	ND		mg/L	200.7		0-0		MB	
200.7_241231B5	0	IRON	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE	ND		mg/L	200.7		0-0		MB	
	0	CALCIUM	ND		mg/L	200.7		0-0		MB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		MB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		MB	
	0	SODIUM	ND		mg/L	200.7		0-0		MB	
200.8_241227D5	0	ARSENIC	ND		mg/L	200.8		0-0		MB	
200.8_241231A5	0	ARSENIC	0.00046		mg/L	200.8		0-0		MB	
200.8_250103B5	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	MANGANESE, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
200.8_250106HB	0	MERCURY, Dissolved	ND		mg/L	200.8		0-0		MB	
200.8_250107B5	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
350.1_250106A	0	AMMONIA-N	ND		mg/L	350.1		0-0		MB	
8260W_241223	0	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	
	0	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	
	0	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	
	0	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	
	0	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	
	0	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	
	0	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	2-HEXANONE	ND		ug/L	8260D		0-0		MB	
	0	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	
	0	ACETONE	ND		ug/L	8260D		0-0		MB	
	0	ACROLEIN	ND		ug/L	8260D		0-0		MB	
	0	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	
	0	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	BENZENE	ND		ug/L	8260D		0-0		MB	
	0	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	
	0	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	BROMOFORM	ND		ug/L	8260D		0-0		MB	
	0	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	
	0	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	
	0	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROFORM	ND		ug/L	8260D		0-0		MB	
	0	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	
	0	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	
	0	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	
	0	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	
	0	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	
	0	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	O - XYLENE	ND		ug/L	8260D		0-0		MB	
	0	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	STYRENE	ND		ug/L	8260D		0-0		MB	
	0	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	
	0	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	
	0	TOLUENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	
	0	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	1	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-36351

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	1	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	1	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	2	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	2	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	2	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	2	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36552
	3	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	3	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37205

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	3	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	3	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37205
	4	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	4	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37801

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	4	METHYLENE CHLORIDE	0.4		ug/L	8260D		0-0	BN	MB	TB 24-37801
	4	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	4	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37801
	5	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-37908

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	5	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	METHYLENE CHLORIDE	0.4		ug/L	8260D		0-0	BN	MB	TB 24-37908
	5	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	5	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-37908
	5	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-37908
COD_241226	0	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		0-3		MB	
SIM_241226	0	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	1	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37801
	1	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37801
	1	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37801
	1	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37801
	2	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37908
	2	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37908
	2	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37908
	2	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-37908
TDS_241226	0	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
TOC_241223A3	0	TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
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Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	1,1 - DICHLOROETHANE	0.32	0.4	ug/L	8260D	80	50-150		MDL	
	0	1,1 - DICHLOROETHYLENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	1,1 - DICHLOROPROPENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	1,1,1 - TRICHLOROETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	1,1,1,2 - TETRACHLOROETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	1,1,2 - TRICHLOROETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	1,1,2,2 - TETRACHLOROETHANE	0.39	0.4	ug/L	8260D	98	50-150		MDL	
	0	1,2 - DICHLOROBENZENE (ortho)	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	1,2 - DICHLOROETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	1,2 - DICHLOROPROPANE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	1,2,3 - TRICHLOROBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	1,2,3 - TRICHLOROPROPANE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	1,2,4 - TRICHLOROBENZENE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	1,2,4 - TRIMETHYLBENZENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.39	0.4	ug/L	8260D	98	50-150		MDL	
	0	1,3 - DICHLOROBENZENE (meta)	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	1,3 - DICHLOROPROPANE	0.26	0.4	ug/L	8260D	65	50-150		MDL	
	0	1,3,5 - TRIMETHYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	1,4 - DICHLOROBENZENE (para)	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	2,2 - DICHLOROPROPANE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	BENZENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	BROMOBENZENE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	BROMOCHLOROMETHANE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	BROMODICHLOROMETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	BROMOFORM	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	BROMOMETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	CARBON TETRACHLORIDE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	CHLOROBENZENE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	CHLOROETHANE	0.36	0.4	ug/L	8260D	90	50-150		MDL	
	0	CHLOROFORM	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	CHLOROMETHANE	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	CIS - 1,2 - DICHLOROETHENE	0.25	0.4	ug/L	8260D	63	50-150		MDL	
	0	CIS - 1,3 - DICHLOROPROPENE	0.21	0.4	ug/L	8260D	53	50-150		MDL	
	0	DIBROMOCHLOROMETHANE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	DIBROMOMETHANE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	DICHLORODIFLUOROMETHANE	0.41	0.4	ug/L	8260D	103	50-150		MDL	
	0	ETHYLBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	HEXACHLOROBUTADIENE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	ISOPROPYLBENZENE	0.21	0.4	ug/L	8260D	53	50-150		MDL	
	0	M,P- XYLENE	0.52	0.8	ug/L	8260D	65	50-150		MDL	
	0	METHYL TERT-BUTYL ETHER	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	METHYLENE CHLORIDE	0.23	0.4	ug/L	8260D	58	50-150		MDL	
	0	N - BUTYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_241223	0	N - PROPYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	NAPHTHALENE	0.46	0.4	ug/L	8260D	115	50-150		MDL	
	0	O - CHLOROTOLUENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	O - XYLENE	0.22	0.4	ug/L	8260D	55	50-150		MDL	
	0	P - CHLOROTOLUENE	0.25	0.4	ug/L	8260D	63	50-150		MDL	
	0	P - ISOPROPYLTOLUENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	SEC - BUTYLBENZENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	STYRENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	TERT - BUTYLBENZENE	0.20	0.4	ug/L	8260D	50	50-150		MDL	
	0	TETRACHLOROETHYLENE	0.30	0.4	ug/L	8260D	75	50-150		MDL	
	0	TOLUENE	0.29	0.4	ug/L	8260D	73	50-150		MDL	
	0	TRANS - 1,2 - DICHLOROETHENE	0.26	0.4	ug/L	8260D	65	50-150		MDL	
	0	TRANS - 1,3 - DICHLOROPROPENE	0.23	0.4	ug/L	8260D	58	50-150		MDL	
	0	TRICHLOROETHENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	TRICHLOROFLUOROMETHANE	0.30	0.4	ug/L	8260D	75	50-150		MDL	
	0	VINYL CHLORIDE	0.36	0.4	ug/L	8260D	90	50-150		MDL	
SIM_241226	0	1,2 - DIBROMOETHANE (EDB SIM)	0.0103	0.01	ug/L	8260SIM	103	50-150		MDL	
	0	1,4-DIOXANE (SIM)	5.1	5	ug/L	8260SIM	102	50-150		MDL	
	0	ACRYLONITRILE (SIM)	0.0206	0.02	ug/L	8260SIM	103	50-150		MDL	
	0	VINYL CHLORIDE (SIM)	0.0109	0.01	ug/L	8260SIM	109	50-150		MDL	

*Notation:
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NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Quality Control Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_241227F4	0	IRON, Dissolved	2	2	mg/L	200.7	100	95-105		QCS	
	0	MANGANESE, Dissolved	2.02	2	mg/L	200.7	101	95-105		QCS	
200.7_241227N4	0	IRON	2	2	mg/L	200.7	100	95-105		QCS	
	0	MANGANESE	2.02	2	mg/L	200.7	101	95-105		QCS	
	1	CALCIUM	19.6	20	mg/L	200.7	98	95-105		QCS	
	1	MAGNESIUM	19.6	20	mg/L	200.7	98	95-105		QCS	
	1	POTASSIUM	19.7	20	mg/L	200.7	99	95-105		QCS	
	1	SODIUM	20	20	mg/L	200.7	100	95-105		QCS	
200.7_241231B5	0	IRON	2.09	2	mg/L	200.7	105	95-105		QCS	
	0	MANGANESE	2.08	2	mg/L	200.7	104	95-105		QCS	
	1	CALCIUM	20.3	20	mg/L	200.7	102	95-105		QCS	
	1	MAGNESIUM	19.8	20	mg/L	200.7	99	95-105		QCS	
	1	POTASSIUM	19.9	20	mg/L	200.7	100	95-105		QCS	
	1	SODIUM	20.3	20	mg/L	200.7	102	95-105		QCS	
200.8_241227D5	0	ARSENIC	0.0194	0.02	mg/L	200.8	97	90-110		QCS	
200.8_241231A5	0	ARSENIC	0.0191	0.02	mg/L	200.8	96	90-110		QCS	
200.8_250103B5	0	ARSENIC, Dissolved	0.0191	0.02	mg/L	200.8	96	90-110		QCS	
	0	BARIUM, Dissolved	0.0201	0.02	mg/L	200.8	101	90-110		QCS	
	0	CADMIUM, Dissolved	0.0186	0.02	mg/L	200.8	93	90-110		QCS	
	0	CHROMIUM, Dissolved	0.0197	0.02	mg/L	200.8	99	90-110		QCS	
	0	COBALT, Dissolved	0.0196	0.02	mg/L	200.8	98	90-110		QCS	
	0	COPPER, Dissolved	0.0198	0.02	mg/L	200.8	99	90-110		QCS	
	0	LEAD, Dissolved	0.0192	0.02	mg/L	200.8	96	90-110		QCS	
	0	MANGANESE, Dissolved	0.0197	0.02	mg/L	200.8	99	90-110		QCS	
	0	NICKEL, Dissolved	0.0208	0.02	mg/L	200.8	104	90-110		QCS	
	0	VANADIUM, Dissolved	0.0192	0.02	mg/L	200.8	96	90-110		QCS	
	0	ZINC, Dissolved	0.0193	0.02	mg/L	200.8	97	90-110		QCS	
	0	ANTIMONY, Dissolved	0.0369	0.04	mg/L	200.8	92	90-110		QCS	
	0	SELENIUM, Dissolved	0.0193	0.02	mg/L	200.8	97	90-110		QCS	
200.8_250106HB	0	MERCURY, Dissolved	0.0012	0.00127	mg/L	200.8	94	90-110		QCS	
200.8_250107B5	0	CHROMIUM, Dissolved	0.0206	0.02	mg/L	200.8	103	90-110		QCS	
	0	COBALT, Dissolved	0.0205	0.02	mg/L	200.8	103	90-110		QCS	
	0	NICKEL, Dissolved	0.0209	0.02	mg/L	200.8	105	90-110		QCS	
	0	VANADIUM, Dissolved	0.0204	0.02	mg/L	200.8	102	90-110		QCS	
350.1_250106A	0	AMMONIA-N	2.53	2.5	mg/L	350.1	101	85-115		QCS	
ALK_250102	0	ALKALINITY	98.9	100	mg CaCO3/L	SM2320 B	99	90-110		QCS	
COD_241226	0	CHEMICAL OXYGEN DEMAND	285	284	mg/L	SM5220 D	100	90-110		QCS	
IC05_250102A	0	CHLORIDE	6.4	6	mg/L	300.0	107	90-110		QCS	
	0	SULFATE	32.3	30	mg/L	300.0	108	90-110		QCS	
NO3NO2_24122(	0	NITRATE-N	1.04	1.00	mg/L	SM4500-NO3 F	104	90-110		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **24-37908**
Report Date: 01/23/25

Quality Control Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
NO3NO2_24122(	0	NITRITE-N	0.957	1.00	mg/L	SM4500-NO3 F	96	90-110		QCS	
TDS_241226	0	TOTAL DISSOLVED SOLIDS (TDS)	502	500	mg/L	SM2540 C	100	80-120		QCS	
	0	TOTAL DISSOLVED SOLIDS (TDS)	504	500	mg/L	SM2540 C	101	80-120		QCS	
TOC_241223A3	0	TOTAL ORGANIC CARBON	3.63	3.61	mg/L	SM5310 B	101	90-110		QCS	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37908**
Report Date: 1/23/2025

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
200.7_241227N4									
7440-70-2	72865	CALCIUM	24.3	24.3	mg/L	**0.0**	0-20		
7439-95-4	72865	MAGNESIUM	17.4	17.4	mg/L	**0.0**	0-20		
7440-09-7	72865	POTASSIUM	3.2	3.1	mg/L	**3.2**	0-20		
7440-23-5	72865	SODIUM	8.5	8.5	mg/L	**0.0**	0-20		
7439-89-6	72865	IRON	1.52	1.52	mg/L	**0.0**	0-20		
7439-96-5	72865	MANGANESE	0.432	0.429	mg/L	**0.7**	0-20		
200.7_241231B5									
7440-70-2	73057	CALCIUM	64.4	62.2	mg/L	**3.5**	0-20		
7439-95-4	73057	MAGNESIUM	40.2	39.1	mg/L	**2.8**	0-20		
7440-09-7	73057	POTASSIUM	8.7	8.1	mg/L	**7.1**	0-20		
7440-23-5	73057	SODIUM	26.8	23.8	mg/L	**11.9**	0-20		
7439-89-6	73057	IRON	0.55	0.55	mg/L	**0.0**	0-20		
7439-96-5	73057	MANGANESE	0.0251	0.0253	mg/L	**0.8**	0-20		
7440-70-2	73574	CALCIUM	59.6	57.0	mg/L	**4.5**	0-20		
7439-89-6	73574	IRON	4.35	4.24	mg/L	**2.6**	0-20		
7439-95-4	73574	MAGNESIUM	9.6	9.4	mg/L	**2.1**	0-20		
7439-96-5	73574	MANGANESE	0.456	0.442	mg/L	**3.1**	0-20		
7440-09-7	73574	POTASSIUM	36.4	35.6	mg/L	**2.2**	0-20		
7440-23-5	73574	SODIUM	312	310	mg/L	**0.6**	0-20		
200.8_241227D5									
7440-38-2	72865	ARSENIC	0.0016	0.0016	mg/L	**0.0**	0-20		
200.8_241231A5									
7440-38-2	73057	ARSENIC	0.0012	0.0007	mg/L	**52.6**	0-20	IM	
200.8_250103B5									
7440-38-2	72954	ARSENIC, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-39-3	72954	BARIUM, Dissolved	0.0108	0.0110	mg/L	**1.8**	0-20		
7440-43-9	72954	CADMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-47-3	72954	CHROMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7439-92-1	72954	LEAD, Dissolved	ND	ND	mg/L	**NA**	0-20		
7782-49-2	72954	SELENIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-38-2	72959	ARSENIC, Dissolved	0.0198	0.0195	mg/L	**1.5**	0-20		
7440-39-3	72959	BARIUM, Dissolved	0.0099	0.0100	mg/L	**1.0**	0-20		
7440-43-9	72959	CADMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-47-3	72959	CHROMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7439-92-1	72959	LEAD, Dissolved	ND	ND	mg/L	**NA**	0-20		
7782-49-2	72959	SELENIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
350.1_250106A									
7664-41-7	72838	AMMONIA-N	0.07	0.05	mg/L	**33.3**	0-20	INH	
7664-41-7	72861	AMMONIA-N	0.07	0.07	mg/L	**0.0**	0-20		
ALK_250102									
E-14506	73206	ALKALINITY	142	143	mg CaCO3/L	**0.7**	0-20		
COD_241226									
E-10117	73335	CHEMICAL OXYGEN DEMAND	ND	ND	mg/L	**NA**	0-20		
E-10117	73364	CHEMICAL OXYGEN DEMAND	ND	ND	mg/L	**NA**	0-20		
IC05_250102A									

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

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SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37908**
Report Date: 1/23/2025

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
16887-00-6	52	CHLORIDE	3.9	3.9	mg/L	**0.0**	0-20		
14808-79-8	52	SULFATE	0.2	0.2	mg/L	**0.0**	0-20		
16887-00-6	72865	CHLORIDE	4.1	4.0	mg/L	**2.5**	0-20		
14808-79-8	72865	SULFATE	18.0	18.0	mg/L	**0.0**	0-20		
NO3NO2_241220B									
14797-65-0	73054	NITRITE-N	0.031	0.031	mg/L	**0.0**	0-20		
TDS_241226									
E-10173	72864	TOTAL DISSOLVED SOLIDS (TDS)	184	185	mg/L	**0.5**	0-5		
TOC_241223A3									
E-10195	71883	TOTAL ORGANIC CARBON	0.17	0.15	mg/L	**12.5**	0-20		
E-10195	72595	TOTAL ORGANIC CARBON	6.43	6.34	mg/L	**1.4**	0-20		
E-10195	73029	TOTAL ORGANIC CARBON	1.53	1.48	mg/L	**3.3**	0-20		

%RPD = Relative Percent Difference

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37908**
Report Date: 1/23/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
200.7_241227N4														
7440-70-2	72865	CALCIUM	24.3	31.8		6.5	mg/L	**115**		70-130	**NA**	0-20		
7439-95-4	72865	MAGNESIUM	17.4	24.4		6.5	mg/L	**108**		70-130	**NA**	0-20		
7440-09-7	72865	POTASSIUM	3.2	12.1		8.75	mg/L	**102**		70-130	**NA**	0-20		
7440-23-5	72865	SODIUM	8.5	15.5		6.5	mg/L	**108**		70-130	**NA**	0-20		
7439-89-6	72865	IRON	1.52	1.74		0.25	mg/L	**88**		70-130	**NA**	0-20		
7439-96-5	72865	MANGANESE	0.432	0.676		0.25	mg/L	**98**		70-130	**NA**	0-20		
200.7_241231B5														
7440-70-2	73057	CALCIUM	64.4	70.6		6.6	mg/L	**94**		70-130	**NA**	0-20		
7439-95-4	73057	MAGNESIUM	40.2	45.8		6.6	mg/L	**85**		70-130	**NA**	0-20		
7440-09-7	73057	POTASSIUM	8.7	16.6		8.75	mg/L	**90**		70-130	**NA**	0-20		
7440-23-5	73057	SODIUM	26.8	29.5		6.6	mg/L	**41**		70-130	**NA**	0-20	IM	
7439-89-6	73057	IRON	0.55	0.82		0.250	mg/L	**108**		70-130	**NA**	0-20		
7439-96-5	73057	MANGANESE	0.0251	0.270		0.250	mg/L	**98**		70-130	**NA**	0-20		
7440-70-2	73574	CALCIUM	59.6	60.4		6.6	mg/L	**12**		70-130	**NA**	0-20	IM	
7439-89-6	73574	IRON	4.35	4.23		0.25	mg/L	**-48**		70-130	**NA**	0-20	IM	
7439-95-4	73574	MAGNESIUM	9.6	14.8		6.6	mg/L	**79**		70-130	**NA**	0-20		
7439-96-5	73574	MANGANESE	0.456	0.640		0.25	mg/L	**74**		70-130	**NA**	0-20		
7440-09-7	73574	POTASSIUM	36.4	42.0		8.75	mg/L	**64**		70-130	**NA**	0-20	IM	
7440-23-5	73574	SODIUM	312	302		6.6	mg/L	**-152**		70-130	**NA**	0-20	IM	
200.8_241227D5														
7440-38-2	72865	ARSENIC	0.0016	0.248		0.250	mg/L	**99**		70-130	**NA**	0-20		
200.8_241231A5														
7440-38-2	73057	ARSENIC	0.0012	0.0146		0.0125	mg/L	**107**		70-130	**NA**	0-20		
200.8_250103B5														
7440-38-2	72954	ARSENIC, Dissolved	ND	0.0104		0.010	mg/L	**104**		70-130	**NA**	0-20		
7440-39-3	72954	BARIUM, Dissolved	0.0108	0.0208		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-43-9	72954	CADMIUM, Dissolved	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
7440-47-3	72954	CHROMIUM, Dissolved	ND	0.0094		0.010	mg/L	**94**		70-130	**NA**	0-20		
7439-92-1	72954	LEAD, Dissolved	ND	0.0107		0.010	mg/L	**107**		70-130	**NA**	0-20		
7782-49-2	72954	SELENIUM, Dissolved	ND	0.0105		0.010	mg/L	**105**		70-130	**NA**	0-20		
7440-38-2	72959	ARSENIC, Dissolved	0.0198	0.0297		0.010	mg/L	**99**		70-130	**NA**	0-20		
7440-39-3	72959	BARIUM, Dissolved	0.0099	0.0197		0.010	mg/L	**98**		70-130	**NA**	0-20		
7440-43-9	72959	CADMIUM, Dissolved	ND	0.0102		0.010	mg/L	**102**		70-130	**NA**	0-20		
7440-47-3	72959	CHROMIUM, Dissolved	ND	0.0077		0.010	mg/L	**77**		70-130	**NA**	0-20		
7439-92-1	72959	LEAD, Dissolved	ND	0.0105		0.010	mg/L	**105**		70-130	**NA**	0-20		
7782-49-2	72959	SELENIUM, Dissolved	ND	0.0100		0.010	mg/L	**100**		70-130	**NA**	0-20		
200.8_250106HB5														
7439-97-6	72959	MERCURY, Dissolved	ND	0.00049	0.000506	0.0005	mg/L	**99**	**101**	70-130	**2.4**	0-0		
7439-97-6	73453	MERCURY, Dissolved	0.00026	0.00071	0.000713	0.0005	mg/L	**91**	**91**	70-130	**0.9**	0-0		
350.1_250106A														
7664-41-7	72838	AMMONIA-N	0.07	1.12	1.10	1	mg/L	**105**	**103**	70-130	**1.9**	0-20		
7664-41-7	72861	AMMONIA-N	0.07	1.30	1.26	1	mg/L	**123**	**119**	70-130	**3.3**	0-20		
8260W_241223														
75-34-3	70287	1,1 - DICHLOROETHANE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

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SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37908**
Report Date: 1/23/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
75-35-4	70287	1,1 - DICHLOROETHYLENE	ND	3.6	3.9	4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
563-58-6	70287	1,1 - DICHLOROPROPENE	ND	3.3	3.6	4	ug/L	**83**	**90**	70-130	**8.7**	0-30		
71-55-6	70287	1,1,1 - TRICHLOROETHANE	ND	3.6	3.9	4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
630-20-6	70287	1,1,1,2 - TETRACHLOROETHANE	ND	4.3	4.4	4	ug/L	**108**	**110**	70-130	**2.3**	0-30		
79-00-5	70287	1,1,2 - TRICHLOROETHANE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
79-34-5	70287	1,1,2,2 - TETRACHLOROETHANE	ND	4.3	4.7	4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
95-50-1	70287	1,2 - DICHLOROBENZENE (ortho)	ND	4.3	4.6	4	ug/L	**108**	**115**	70-130	**6.7**	0-30		
107-06-2	70287	1,2 - DICHLOROETHANE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
78-87-5	70287	1,2 - DICHLOROPROPANE	ND	3.5	3.7	4	ug/L	**88**	**93**	70-130	**5.6**	0-30		
87-61-6	70287	1,2,3 - TRICHLOROBENZENE	ND	3.9	4.5	4	ug/L	**98**	**113**	70-130	**14.3**	0-30		
96-18-4	70287	1,2,3 - TRICHLOROPROPANE	ND	4.0	4.6	4	ug/L	**100**	**115**	70-130	**14.0**	0-30		
120-82-1	70287	1,2,4 - TRICHLOROBENZENE	ND	3.6	4.2	4	ug/L	**90**	**105**	70-130	**15.4**	0-30		
95-63-6	70287	1,2,4 - TRIMETHYLBENZENE	ND	4.4	4.7	4	ug/L	**110**	**118**	70-130	**6.6**	0-30		
96-12-8	70287	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND	3.9	4.3	4	ug/L	**98**	**108**	70-130	**9.8**	0-30		
541-73-1	70287	1,3 - DICHLOROBENZENE (meta)	ND	4.2	4.5	4	ug/L	**105**	**113**	70-130	**6.9**	0-30		
142-28-9	70287	1,3 - DICHLOROPROPANE	ND	3.6	3.7	4	ug/L	**90**	**93**	70-130	**2.7**	0-30		
108-67-8	70287	1,3,5 - TRIMETHYLBENZENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
106-46-7	70287	1,4 - DICHLOROBENZENE (para)	ND	4.1	4.4	4	ug/L	**103**	**110**	70-130	**7.1**	0-30		
594-20-7	70287	2,2 - DICHLOROPROPANE	ND	3.3	3.5	4	ug/L	**83**	**88**	70-130	**5.9**	0-30		
71-43-2	70287	BENZENE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
108-86-1	70287	BROMOBENZENE	ND	4.0	4.5	4	ug/L	**100**	**113**	70-130	**11.8**	0-30		
74-97-5	70287	BROMOCHLOROMETHANE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
75-27-4	70287	BROMODICHLOROMETHANE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
75-25-2	70287	BROMOFORM	ND	3.5	3.9	4	ug/L	**88**	**98**	70-130	**10.8**	0-30		
74-83-9	70287	BROMOMETHANE	ND	3.4	3.5	4	ug/L	**85**	**88**	70-130	**2.9**	0-30		
56-23-5	70287	CARBON TETRACHLORIDE	ND	4.0	4.2	4	ug/L	**100**	**105**	70-130	**4.9**	0-30		
108-90-7	70287	CHLOROBENZENE	ND	4.3	4.5	4	ug/L	**108**	**113**	70-130	**4.5**	0-30		
75-00-3	70287	CHLOROETHANE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
67-66-3	70287	CHLOROFORM	ND	3.9	4.0	4	ug/L	**98**	**100**	70-130	**2.5**	0-30		
74-87-3	70287	CHLOROMETHANE	ND	3.9	3.9	4	ug/L	**98**	**98**	70-130	**0.0**	0-30		
156-59-2	70287	CIS - 1,2 - DICHLOROETHENE	ND	3.4	3.8	4	ug/L	**85**	**95**	70-130	**11.1**	0-30		
10061-01-5	70287	CIS - 1,3 - DICHLOROPROPENE	ND	3.2	3.5	4	ug/L	**80**	**88**	70-130	**9.0**	0-30		
124-48-1	70287	DIBROMOCHLOROMETHANE	ND	3.5	3.8	4	ug/L	**88**	**95**	70-130	**8.2**	0-30		
74-95-3	70287	DIBROMOMETHANE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
75-71-8	70287	DICHLORODIFLUOROMETHANE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
100-41-4	70287	ETHYLBENZENE	ND	4.3	4.6	4	ug/L	**108**	**115**	70-130	**6.7**	0-30		
87-68-3	70287	HEXACHLOROBUTADIENE	ND	4.4	5.1	4	ug/L	**110**	**128**	70-130	**14.7**	0-30		
98-82-8	70287	ISOPROPYLBENZENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
179601-23-1	70287	M,P- XYLENE	ND	9.0	9.7	8	ug/L	**113**	**121**	70-130	**7.5**	0-30		
1634-04-4	70287	METHYL TERT-BUTYL ETHER	ND	3.0	3.5	4	ug/L	**75**	**88**	70-130	**15.4**	0-30		
75-09-2	70287	METHYLENE CHLORIDE	ND	3.6	3.8	4	ug/L	**90**	**95**	70-130	**5.4**	0-30		
104-51-8	70287	N - BUTYLBENZENE	ND	4.1	4.5	4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
103-65-1	70287	N - PROPYLBENZENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
91-20-3	70287	NAPHTHALENE	ND	3.0	3.6	4	ug/L	**75**	**90**	70-130	**18.2**	0-30		
95-49-8	70287	O - CHLOROTOLUENE	ND	4.3	4.7	4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
95-47-6	70287	O - XYLENE	ND	4.5	4.9	4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
106-43-4	70287	P - CHLOROTOLUENE	ND	4.3	4.6	4	ug/L	**108**	**115**	70-130	**6.7**	0-30		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **24-37908**
Report Date: 1/23/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
99-87-6	70287	P - ISOPROPYLTOLUENE	ND	4.4	4.8	4	ug/L	**110**	**120**	70-130	**8.7**	0-30		
135-98-8	70287	SEC - BUTYLBENZENE	ND	4.5	5.0	4	ug/L	**113**	**125**	70-130	**10.5**	0-30		
100-42-5	70287	STYRENE	ND	4.6	5.0	4	ug/L	**115**	**125**	70-130	**8.3**	0-30		
98-06-6	70287	TERT - BUTYLBENZENE	ND	4.6	5.0	4	ug/L	**115**	**125**	70-130	**8.3**	0-30		
127-18-4	70287	TETRACHLOROETHYLENE	ND	3.5	3.6	4	ug/L	**88**	**90**	70-130	**2.8**	0-30		
108-88-3	70287	TOLUENE	ND	3.7	3.8	4	ug/L	**93**	**95**	70-130	**2.7**	0-30		
156-60-5	70287	TRANS - 1,2 - DICHLOROETHENE	ND	3.5	3.7	4	ug/L	**88**	**93**	70-130	**5.6**	0-30		
10061-02-6	70287	TRANS - 1,3 - DICHLOROPROPENE	ND	3.1	3.4	4	ug/L	**78**	**85**	70-130	**9.2**	0-30		
79-01-6	70287	TRICHLOROETHENE	ND	3.5	3.8	4	ug/L	**88**	**95**	70-130	**8.2**	0-30		
75-69-4	70287	TRICHLOROFLUOROMETHANE	ND	3.4	3.5	4	ug/L	**85**	**88**	70-130	**2.9**	0-30		
75-01-4	70287	VINYL CHLORIDE	ND	3.7	3.9	4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
COD_241226														
E-10117	73335	CHEMICAL OXYGEN DEMAND	15	62	63	50	mg/L	**94**	**96**	70-130	**2.1**	0-20		
E-10117	73364	CHEMICAL OXYGEN DEMAND	2	53	54	50	mg/L	**102**	**104**	70-130	**1.9**	0-20		
IC05_250102A														
16887-00-6	52	CHLORIDE	3.94	4.98		1	mg/L	**104**		90-110	**NA**	0-20		
14808-79-8	52	SULFATE	0.2	2.1		2	mg/L	**95**		90-110	**NA**	0-20		
16887-00-6	72865	CHLORIDE	4.1	5.1		1	mg/L	**100**		90-110	**NA**	0-20		
14808-79-8	72865	SULFATE	18.0	19.7		2	mg/L	**85**		90-110	**NA**	0-20	IS	
NO3NO2_241220B														
14797-65-0	73054	NITRITE-N	0.031	1.01	1.01	1.00	mg/L	**98**	**98**	80-120	**0.0**	0-20		
SIM_241226														
106-93-4	72867	1,2 - DIBROMOETHANE (EDB SIM)	ND	0.112	0.106	0.1	ug/L	**112**	**106**	70-130	**5.5**	0-30		
123-91-1	72867	1,4-DIOXANE (SIM)	ND	10.3	10.7	10	ug/L	**103**	**107**	70-130	**3.8**	0-30		
107-13-1	72867	ACRYLONITRILE (SIM)	ND	0.112	0.099	0.1	ug/L	**112**	**99**	70-130	**12.3**	0-30		
75-01-4	72867	VINYL CHLORIDE (SIM)	ND	0.122	0.114	0.1	ug/L	**122**	**114**	70-130	**6.8**	0-30		
TOC_241223A3														
E-10195	71883	TOTAL ORGANIC CARBON	0.17	3.91		4	mg/L	**94**		70-130	**NA**	0-20		
E-10195	72595	TOTAL ORGANIC CARBON	6.43	10.2		4	mg/L	**94**		70-130	**NA**	0-20		
E-10195	73029	TOTAL ORGANIC CARBON	1.53	4.52		4	mg/L	**75**		70-130	**NA**	0-20		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 24-37908
Report Date: 01/23/25

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8260W_241223						
73054	1,2 - DICHLOROETHANE-d4 (SURR)	121		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	119		%		
	4-BROMOFLUOROBENZENE (Surr)	91		%		
	d8-TOLUENE (Surr)	102		%		Acceptance Range: 50-150%
SIM_241226						
73054	d8-TOLUENE (Surr)	95		%	8260SIM	Acceptance Range: 50-150%
8260W_241223						
73055	1,2 - DICHLOROETHANE-d4 (SURR)	117		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	114		%		
	4-BROMOFLUOROBENZENE (Surr)	90		%		
	d8-TOLUENE (Surr)	99		%		Acceptance Range: 50-150%
SIM_241226						
73055	d8-TOLUENE (Surr)	94		%	8260SIM	Acceptance Range: 50-150%
8260W_241223						
73056	1,2 - DICHLOROETHANE-d4 (SURR)	119		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	115		%		
	4-BROMOFLUOROBENZENE (Surr)	92		%		
	d8-TOLUENE (Surr)	98		%		Acceptance Range: 50-150%
SIM_241226						
73056	d8-TOLUENE (Surr)	94		%	8260SIM	Acceptance Range: 50-150%
8260W_241223						
73057	1,2 - DICHLOROETHANE-d4 (SURR)	121		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	119		%		
	4-BROMOFLUOROBENZENE (Surr)	91		%		
	d8-TOLUENE (Surr)	103		%		Acceptance Range: 50-150%
SIM_241226						
73057	d8-TOLUENE (Surr)	95		%	8260SIM	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a meA surrogate is a pure compound added to a sample in the la

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 24-37908
Report Date: 01/23/25

Qualifier	Definition
BN	This compound was detected in the Trip Blank, but not in the associated field sample. No further action taken.
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
LE	The end calibration verification for this compound was below the acceptance limit. There were no sample detections and there was adequate sensitivity at the reporting limit. No further action taken with this sample batch.
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the MRL. No sample detections so no further action for this analysis batch.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

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Edge Analytical

INVOICE

Client No: SKA02

Client: SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273

Attn: Ms. Meghan MacMullen

Please include Reference number with payment

Reference: **24-37908**
Date: January 23, 2025
Project: Landfill Package - Inman #2
Date Received: December 20, 2024
Purchase Order: Landfill Pkg - Inman #2

Item	Lab Sample Number	Client Sample Number and Description	Type of Analysis	Turnaround	Extended Cost
1	73054.00	3329 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
2	73054.00	3329 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	
3	73054.00	3329 - Inman LF	Total Organic Carbon	Standard	
4	73054.00	3329 - Inman LF	Minerals in Water	Standard	
5	73054.00	3329 - Inman LF	Dissolved Metals	Standard	
6	73054.00	3329 - Inman LF	Ammonia	Standard	
7	73054.10	3329 - Inman LF	Chemical Oxygen Demand	Standard	
8	73054.10	3329 - Inman LF	Ion Chromatography-Anions	Standard	
9	73054.10	3329 - Inman LF	Total Dissolved Solids	Standard	
10	73054.10	3329 - Inman LF	ALKALINITY	Standard	
11	73054.10	3329 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
12	73054.10	3329 - Inman LF	Total Metals in Water	Standard	
13	73055.00	3330 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
14	73055.00	3330 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	
15	73055.00	3330 - Inman LF	Total Organic Carbon	Standard	
16	73055.00	3330 - Inman LF	Minerals in Water	Standard	
17	73055.00	3330 - Inman LF	Dissolved Metals	Standard	
18	73055.00	3330 - Inman LF	Ammonia	Standard	
19	73055.10	3330 - Inman LF	Chemical Oxygen Demand	Standard	
20	73055.10	3330 - Inman LF	Ion Chromatography-Anions	Standard	
21	73055.10	3330 - Inman LF	Total Dissolved Solids	Standard	
22	73055.10	3330 - Inman LF	ALKALINITY	Standard	
23	73055.10	3330 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
24	73055.10	3330 - Inman LF	Total Metals in Water	Standard	
25	73056.00	3331 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
26	73056.00	3331 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	

Thank You for Your Business

Please pay to corporate office by February 22, 2025 to avoid a 1.5% per month finance charge.

INVOICE

Client No: SKA02

Client: SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273

Attn: Ms. Meghan MacMullen

Please include Reference number with payment

Reference: **24-37908**
Date: January 23, 2025
Project: Landfill Package - Inman #2
Date Received: December 20, 2024
Purchase Order: Landfill Pkg - Inman #2

Item	Lab Sample Number	Client Sample Number and Description	Type of Analysis	Turnaround	Extended Cost
27	73056.00	3331 - Inman LF	Total Organic Carbon	Standard	
28	73056.00	3331 - Inman LF	Minerals in Water	Standard	
29	73056.00	3331 - Inman LF	Dissolved Metals	Standard	
30	73056.00	3331 - Inman LF	Ammonia	Standard	
31	73056.10	3331 - Inman LF	Chemical Oxygen Demand	Standard	
32	73056.10	3331 - Inman LF	Ion Chromatography-Anions	Standard	
33	73056.10	3331 - Inman LF	Total Dissolved Solids	Standard	
34	73056.10	3331 - Inman LF	ALKALINITY	Standard	
35	73056.10	3331 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
36	73056.10	3331 - Inman LF	Total Metals in Water	Standard	
37	73057.00	3335 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
38	73057.00	3335 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	
39	73057.00	3335 - Inman LF	Total Organic Carbon	Standard	
40	73057.00	3335 - Inman LF	Minerals in Water	Standard	
41	73057.00	3335 - Inman LF	Dissolved Metals	Standard	
42	73057.00	3335 - Inman LF	Ammonia	Standard	
43	73057.10	3335 - Inman LF	Chemical Oxygen Demand	Standard	
44	73057.10	3335 - Inman LF	Ion Chromatography-Anions	Standard	
45	73057.10	3335 - Inman LF	Total Dissolved Solids	Standard	
46	73057.10	3335 - Inman LF	ALKALINITY	Standard	
47	73057.10	3335 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
48	73057.10	3335 - Inman LF	Total Metals in Water	Standard	

Grand Total: $2,140.00
Amount Paid: $0.00
Amount Due (US Dollars): **$2,140.00**

Please Detach Here ^ and return this portion with your payment

Reference: **24-37908**
Amount Due: $2,140.00 in USD

SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273
SKA02

NEW Please Remit To:
Eurofins Environment Testing Northwest, LLC
PO BOX 1451, Carol Stream, IL 60132-1451

OR you can pay on-line at:
https://smartpay.profitstars.com/express/CUS033EETNW

Form: invoice.rpt

Chain of Custody / Analysis Request

(Please complete all appl... 73054, 73057)

24-37908

Page_____ of_____

Report to:	Skagit County Public Works	Bill to:	SKA02	**For Lab Use Only**	
Ship Address:	1800 Continental Place	Address:		Ref #	
City:	Mount Vernor St: WA Zip: 98273	City:	St: Zip:	**Check Regulatory Program**	
Attn:	Russell Thompson	Phone:	FAX:	☐ Safe Drinking Water Act	
Phone:	360.416-1400 FAX:	P.O.#:	Attn:	☐ Clean Water Act	
Email:	margog@co.skagit.wa.us;meghanm@co.skagit.wa.us			☐ RCRA / CERCLA	
Project	Inman Landfill #2			☐ Other	

EDGE ANALYTICAL

Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (360-715-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wilsonville Lab (503-682-7802)
9725 SW Commerce Cir. Ste A2 Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
1100 NE Circle Blvd, Ste 130, Corvallis, OR 97330
Bend Lab (541-639-8425)
20332 Empire Ave Ste F4, Bend, OR 97703

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. List each metal individually
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.
6. ***(NEW)*** Report to __ MDL or __ PQL ***(NEW)***

Turn Around Time Required
- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Req.)

Analyses Requested

CO063295

	Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	As, Fe, Mn	Field Blank (8260 SIM)	Field Blank (8260)	Landfill Package - Inman SCPW	MSMSD/8260	MSMSD/SIMS			Number of Containers	Special Instructions Conditions on Receipt
1	3329	Inman LF	Grab	W	12/20/24	11:10	X	X	X	X						
2	3330	↓	↓	↓	↓	12:50	X	X	X	X	X	X				
3	3331					13:00	X	X	X	X						
4	3335					13:45	X	X	X	X						
5																
6																
7																
8																
9																

****Are there known hazardous or dangerous wastes in these samples? YES / NO If YES, indicate type on reverse of this form; samples may be returned to you.**

Total Containers

Sampled by: Russell Thompson Phone: FAX: Email:

Sample Receipt Request (Must include FAX or Email) X

* **W** - water **SW** - surface water **WW** - waste water **SL** - salt water
DW - drinking water **ST** - storm water **S** - soil **OL** - oil Other:

****Relinquished by**	Date	Time	Received by	Date	Time
Russell Thompson	12/20/24	14:50	[illegible]	12/20/24	1453

	Yes	No	N/A
Custody seals intact			✓
Sample temp 5.0 C° satisfactory			
Samples received intact			
Chain of custody & labels agree			

FORM COC 5-24-2024

eurofins | Environment Testing Edge Analytical

Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

January 31, 2025

Russell Thompson
Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

RE: 25-00289 - Landfill Package - Inman #2

Dear Russell Thompson,

Your project: Landfill Package - Inman #2, was received on Monday January 06, 2025.

All samples were analyzed within the accepted holding times and were appropriately preserved and analyzed according to approved analytical protocols, unless noted in the data or QC reports. The quality control data was within laboratory acceptance limits, unless specified in the data or QC reports.

If you have questions phone us at 800 755-9295.

Respectfully



Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report

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Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

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9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

Client Name: Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

Reference Number: **25-00289**
Project: Landfill Package - Inman #2

Report Date: 1/31/25

Date Received: 1/6/25
Approved by: anp,bj,ebvp,spm2
Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Sample Description: 3333 Inman LF — Matrix W — Sample Date: 1/6/25 12:00 pm
Lab Number: 461 — Sample Comment: — Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-96-5	**MANGANESE, Dissolved**	1.55	0.001	0.00097	mg/L	1.0	200.7/FldFilter	a	1/9/25	BJ	200.7_250109B5	
7439-89-6	**IRON, Dissolved**	29.6	0.050	0.019	mg/L	1.0	200.7/FldFilter	a	1/9/25	BJ	200.7_250109B5	
7440-70-2	**CALCIUM**	40.9	0.5	0.008	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113E5	
7439-95-4	**MAGNESIUM**	35.0	0.5	0.01	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113E5	
7439-96-5	**MANGANESE**	1.52	0.001	0.001	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113E5	
7439-89-6	**IRON**	30.0	0.050	0.003	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113E5	
7440-09-7	**POTASSIUM**	5.0	0.5	0.1	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113E5	
7440-23-5	**SODIUM**	50.8	1	0.1	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113E5	
7440-47-3	**CHROMIUM, Dissolved**	0.0032	0.01	8.80E-05	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7440-62-2	**VANADIUM, Dissolved**	0.0014	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7440-48-4	**COBALT, Dissolved**	0.0010	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7440-02-0	**NICKEL, Dissolved**	0.0049	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7440-50-8	**COPPER, Dissolved**	0.0004	0.02	5.00E-05	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7440-66-6	**ZINC, Dissolved**	0.0011	0.05	0.00017	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7440-38-2	**ARSENIC, Dissolved**	0.0068	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7782-49-2	**SELENIUM, Dissolved**	0.0026	0.005	0.00011	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7440-36-0	**ANTIMONY, Dissolved**	ND	0.005	0.0001	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7440-39-3	**BARIUM, Dissolved**	0.107	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	1/9/25	BJ	200.8_250109B5	
7440-38-2	**ARSENIC**	0.0051	0.0005	0.0005	mg/L	1.0	200.8/TR	a	1/13/25	BJ	200.8_250113F5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0002	0.0001	mg/L	1.0	245.1/FldFilter	a	1/20/25	EBVP	245.1_250120A	
16887-00-6	**CHLORIDE**	79.0	0.1	0.01	mg/L	1.0	300.0	a	1/15/25	EBVP	IC05_250114A	
14808-79-8	**SULFATE**	ND	0.2	0.04	mg/L	1.0	300.0	a	1/15/25	EBVP	IC05_250114A	
7664-41-7	**AMMONIA-N**	2.54	0.010	0.0045	mg/L	1.0	350.1	a	1/22/25	SPM2	350.1_250122A	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

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Reference Number: **25-00289**
Report Date: 1/31/25

Data Report

Sample Description: 3333 Inman LF | Matrix W | Sample Date: 1/6/25 12:00 pm
Lab Number: 461 | Sample Comment: | Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
NA	**BICARBONATE**	252	5		mg CaCO3/L	5.0	SM2320 B	a	1/8/25	RMC	ALK_250108	
E-14506	**ALKALINITY**	252	5.0		mg CaCO3/L	5.0	SM2320 B	a	1/8/25	RMC	ALK_250108	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	392	40		mg/L	4.0	SM2540 C	a	1/13/25	ERM	tds_250108	
14797-55-8	**NITRATE-N**	ND	0.1	0.0033	mg/L	1.0	SM4500-NO3 F	a	1/7/25	CJK2	NO3NO2_250107B	
14797-65-0	**NITRITE-N**	ND	0.1	0.0024	mg/L	1.0	SM4500-NO3 F	a	1/7/25	CJK2	NO3NO2_250107B	
E-10117	**CHEMICAL OXYGEN DEMAND**	29	20	3.63	mg/L	1.0	SM5220 D	a	1/7/25	ATH	COD_250107	
E-10195	**TOTAL ORGANIC CARBON**	8.57	0.15	0.12	mg/L	1.0	SM5310 B	a	1/10/25	RMC	TOC_250110A3	

Notes:

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PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

eurofins | Environment Testing Edge Analytical

Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

WSDOE Lab C567

DATA REPORT

Client Name: Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

Reference Number: **25-00289**
Project: Landfill Package - Inman #2

Lab Number: 00461
Field ID: 3333
Sample Description: Inman LF
Matrix: Water
Sample Date: 1/6/25
Extraction Date: 1/15/25
Extraction Method: 5030B

Report Date: 1/31/25
Date Analyzed: 1/15/25
Analyst: NML
Analytical Method: 8260D
Batch: 8260W_250115
Approved By: pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	

Notes:

Flags are data qualifiers. If there are data qualifiers on your report definitions can be found on an accompanying sheet.
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Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

Form: c608.rpt

Lab Number: 00461
Field ID: 3333
Sample Description: Inman LF
Matrix: Water
Sample Date: 1/6/25
Extraction Date: 1/15/25
Extraction Method: 5030B

Report Date: 1/31/25
Date Analyzed: 1/15/25
Analyst: NML
Analytical Method: 8260D
Batch: 8260W_250115
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**0.4**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**3.1**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 00461
Field ID: 3333
Sample Description: Inman LF
Matrix: Water
Sample Date: 1/6/25
Extraction Date: 1/15/25
Extraction Method: 5030B

Report Date: 1/31/25
Date Analyzed: 1/15/25
Analyst: NML
Analytical Method: 8260D
Batch: 8260W_250115
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**0.7**		ug/L	0.5	0.16	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 00461
Field ID: 3333
Sample Description: Inman LF
Matrix: Water
Sample Date: 1/6/25
Extraction Date: 1/13/25
Extraction Method: 5030B

Report Date: 1/31/25
Date Analyzed: 1/13/25
Analyst: MA
Analytical Method: 8260SIM
Batch: SIM_250113
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**0.056**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**6.5**		ug/L	5	1.42	1.00	a	

Notes:

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ND - indicates the compound was not detected above the PQL or MDL.
Lab QL = Laboratory Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Calibration Check										
200.7_250109B5 2	IRON, Dissolved	1.01	1	mg/L	200.7	101	90-110		CAL	
2	MANGANESE, Dissolved	1	1	mg/L	200.7	100	90-110		CAL	
200.7_250113E5 2	IRON	1.04	1	mg/L	200.7	104	90-110		CAL	
2	MANGANESE	1.05	1	mg/L	200.7	105	90-110		CAL	
2	CALCIUM	11.2	11	mg/L	200.7	102	90-110		CAL	
2	MAGNESIUM	11.1	11	mg/L	200.7	101	90-110		CAL	
2	POTASSIUM	8.1	8.5	mg/L	200.7	95	90-110		CAL	
2	SODIUM	11.3	11	mg/L	200.7	103	90-110		CAL	
200.8_250109B5 0	ARSENIC, Dissolved	0.001	0.001	mg/L	200.8	100	80-120		CAL	
0	BARIUM, Dissolved	0.00103	0.001	mg/L	200.8	103	80-120		CAL	
0	CADMIUM, Dissolved	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
0	CHROMIUM, Dissolved	0.00111	0.001	mg/L	200.8	111	80-120		CAL	
0	COBALT, Dissolved	0.00108	0.001	mg/L	200.8	108	80-120		CAL	
0	COPPER, Dissolved	0.00097	0.001	mg/L	200.8	97	80-120		CAL	
0	LEAD, Dissolved	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
0	NICKEL, Dissolved	0.00109	0.001	mg/L	200.8	109	80-120		CAL	
0	VANADIUM, Dissolved	0.00109	0.001	mg/L	200.8	109	80-120		CAL	
0	ZINC, Dissolved	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
0	ANTIMONY, Dissolved	0.00093	0.001	mg/L	200.8	93	80-120		CAL	
0	SELENIUM, Dissolved	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
200.8_250113F5 0	ARSENIC	0.00022	0.00025	mg/L	200.8	88	80-120		CAL	
245.1_250120A 0	MERCURY, Dissolved	0.00196	0.002	mg/L	245.1	98	95-105		CAL	
350.1_250122A 0	AMMONIA-N	2.55	2.5	mg/L	350.1	102	90-110		CAL	
COD_250107 0	CHEMICAL OXYGEN DEMAND	50	50	mg/L	SM5220 D	100	90-110		CAL	
IC05_250114A 0	CHLORIDE	0.9	1	mg/L	300.0	90	90-110		CAL	
0	SULFATE	1.9	2	mg/L	300.0	95	90-110		CAL	
NO3NO2_250107 0	NITRATE-N	0.489	0.50	mg/L	SM4500-NO3 F	98	90-110		CAL	
0	NITRITE-N	0.502	0.50	mg/L	SM4500-NO3 F	100	90-110		CAL	
TOC_250110A3 0	TOTAL ORGANIC CARBON	2.42	2.5	mg/L	SM5310 B	97	90-110		CAL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_250109B5	1	IRON, Dissolved	0.506	0.5	mg/L	200.7	101	85-115		LFB	
	1	MANGANESE, Dissolved	0.491	0.5	mg/L	200.7	98	85-115		LFB	
200.7_250113E5	2	IRON	0.239	0.25	mg/L	200.7	96	85-115		LFB	
	2	MANGANESE	0.234	0.25	mg/L	200.7	94	85-115		LFB	
	2	CALCIUM	6.6	6.5	mg/L	200.7	102	85-115		LFB	
	2	MAGNESIUM	6.5	6.5	mg/L	200.7	100	85-115		LFB	
	2	POTASSIUM	8.4	8.75	mg/L	200.7	96	85-115		LFB	
	2	SODIUM	6.5	6.5	mg/L	200.7	100	85-115		LFB	
200.8_250109B5	0	ARSENIC, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
	0	BARIUM, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	CADMIUM, Dissolved	0.0096	0.01	mg/L	200.8	96	85-115		LFB	
	0	CHROMIUM, Dissolved	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	COBALT, Dissolved	0.0101	0.01	mg/L	200.8	101	85-115		LFB	
	0	COPPER, Dissolved	0.0097	0.01	mg/L	200.8	97	85-115		LFB	
	0	LEAD, Dissolved	0.0098	0.01	mg/L	200.8	98	85-115		LFB	
	0	NICKEL, Dissolved	0.0104	0.01	mg/L	200.8	104	85-115		LFB	
	0	VANADIUM, Dissolved	0.0104	0.01	mg/L	200.8	104	85-115		LFB	
	0	ZINC, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
	0	ANTIMONY, Dissolved	0.0095	0.01	mg/L	200.8	95	85-115		LFB	
	0	SELENIUM, Dissolved	0.01	0.01	mg/L	200.8	100	85-115		LFB	
200.8_250113F5	0	ARSENIC	0.0124	0.0125	mg/L	200.8	99	85-115		LFB	
245.1_250120A	0	MERCURY, Dissolved	0.00162	0.00167	mg/L	245.1	97	85-115		LFB	
350.1_250122A	0	AMMONIA-N	0.97	1	mg/L	350.1	97	85-115		LFB	
8260W_250115	0	1,1 - DICHLOROETHANE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	1,1 - DICHLOROETHYLENE	10.9	10	ug/L	8260D	109	80-120		LFB	
	0	1,1 - DICHLOROPROPENE	10.8	10	ug/L	8260D	108	80-120		LFB	
	0	1,1,1 - TRICHLOROETHANE	11.4	10	ug/L	8260D	114	80-120	AH	LFB	
	0	1,1,1,2 - TETRACHLOROETHANE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	1,1,2 - TRICHLOROETHANE	10.5	10	ug/L	8260D	105	80-120		LFB	
	0	1,1,2 - TRICHLOROTRIFLUOROETHANE	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	1,1,2,2 - TETRACHLOROETHANE	8.3	10	ug/L	8260D	83	80-120		LFB	
	0	1,2 - DICHLOROBENZENE (ortho)	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	1,2 - DICHLOROETHANE	11.7	10	ug/L	8260D	117	80-120	AH	LFB	
	0	1,2 - DICHLOROPROPANE	10.2	10	ug/L	8260D	102	80-120		LFB	
	0	1,2,3 - TRICHLOROBENZENE	8.8	10	ug/L	8260D	88	80-120		LFB	
	0	1,2,3 - TRICHLOROPROPANE	8.6	10	ug/L	8260D	86	80-120		LFB	
	0	1,2,4 - TRICHLOROBENZENE	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	1,2,4 - TRIMETHYLBENZENE	10.1	10	ug/L	8260D	101	80-120		LFB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,3 - DICHLOROBENZENE (meta)	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	1,3 - DICHLOROPROPANE	10.6	10	ug/L	8260D	106	80-120		LFB	
	0	1,3,5 - TRIMETHYLBENZENE	9.5	10	ug/L	8260D	95	80-120		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	1,4 - DICHLOROBENZENE (para)	8.8	10	ug/L	8260D	88	80-120		LFB	
	0	1-CHLOROBUTANE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	2,2 - DICHLOROPROPANE	13.0	10	ug/L	8260D	130	80-120	HR	LFB	
	0	2-BUTANONE (MEK)	8.6	10	ug/L	8260D	86	80-120		LFB	
	0	2-CHLOROETHYL VINYL ETHER	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	2-HEXANONE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	2-NITROPROPANE	10.0	10	ug/L	8260D	100	80-120	AH	LFB	
	0	4-METHYL-2-PENTANONE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	ACETONE	11.7	10	ug/L	8260D	117	80-120		LFB	
	0	ACROLEIN	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	ACRYLONITRILE	20.3	20	ug/L	8260D	102	80-120		LFB	
	0	ALLYL CHLORIDE	10.9	10	ug/L	8260D	109	80-120		LFB	
	0	BENZENE	10.0	10	ug/L	8260D	100	80-120		LFB	
	0	BROMOBENZENE	8.8	10	ug/L	8260D	88	80-120		LFB	
	0	BROMOCHLOROMETHANE	10.5	10	ug/L	8260D	105	80-120		LFB	
	0	BROMODICHLOROMETHANE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	BROMOFORM	8.6	10	ug/L	8260D	86	80-120		LFB	
	0	BROMOMETHANE	9.9	10	ug/L	8260D	99	80-120		LFB	
	0	CARBON DISULFIDE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	CARBON TETRACHLORIDE	12.3	10	ug/L	8260D	123	80-120	HR	LFB	
	0	CHLOROBENZENE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	CHLOROETHANE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	CHLOROFORM	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	CHLOROMETHANE	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	CIS - 1,2 - DICHLOROETHENE	10.5	10	ug/L	8260D	105	80-120		LFB	
	0	CIS - 1,3 - DICHLOROPROPENE	11.0	10	ug/L	8260D	110	80-120		LFB	
	0	DIBROMOCHLOROMETHANE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	DIBROMOMETHANE	11.0	10	ug/L	8260D	110	80-120		LFB	
	0	DICHLORODIFLUOROMETHANE	10.3	10	ug/L	8260D	103	80-120		LFB	
	0	DICHLOROFLUOROMETHANE (FREON-21)	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	DIETHYL ETHER	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	ETHYL METHACRYLATE	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	ETHYLBENZENE	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	HEXACHLOROBUTADIENE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	HEXACHLOROETHANE	14.7	10	ug/L	8260D	147	80-120	HR	LFB	
	0	ISOPROPYLBENZENE	9.2	10	ug/L	8260D	92	80-120		LFB	
	0	M,P- XYLENE	17.6	20	ug/L	8260D	88	80-120		LFB	
	0	METHACRYLONITRILE	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	METHYL ACRYLATE	9.9	10	ug/L	8260D	99	80-120		LFB	
	0	METHYL IODIDE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	METHYL METHACRYLATE	7.8	10	ug/L	8260D	78	80-120	LR	LFB	
	0	METHYL TERT-BUTYL ETHER	11.1	10	ug/L	8260D	111	80-120	AH	LFB	
	0	METHYLENE CHLORIDE	10.1	10	ug/L	8260D	101	80-120		LFB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	N - BUTYLBENZENE	10.2	10	ug/L	8260D	102	80-120		LFB	
	0	N - PROPYLBENZENE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	NAPHTHALENE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	O - CHLOROTOLUENE	9.2	10	ug/L	8260D	92	80-120		LFB	
	0	O - XYLENE	9.2	10	ug/L	8260D	92	80-120		LFB	
	0	P - CHLOROTOLUENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	P - ISOPROPYLTOLUENE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	PENTACHLOROETHANE	14.7	10	ug/L	8260D	147	80-120	HR	LFB	
	0	SEC - BUTYLBENZENE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	STYRENE	9.4	10	ug/L	8260D	94	80-120		LFB	
	0	TERT - BUTYLBENZENE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	TETRACHLOROETHYLENE	10.5	10	ug/L	8260D	105	80-120		LFB	
	0	TETRAHYDROFURAN	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	TOLUENE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	TRANS - 1,2 - DICHLOROETHENE	10.3	10	ug/L	8260D	103	80-120		LFB	
	0	TRANS - 1,3 - DICHLOROPROPENE	10.9	10	ug/L	8260D	109	80-120		LFB	
	0	TRANS - 1,4 - DICHLORO-2-BUTENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	TRICHLOROETHENE	10.5	10	ug/L	8260D	105	80-120		LFB	
	0	TRICHLOROFLUOROMETHANE	11.9	10	ug/L	8260D	119	80-120	AH	LFB	
	0	VINYL CHLORIDE	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	(FREON 22) CHLORODIFLUOROMETHANE	10.0	10	ug/L	8260D	100	80-120		LFB	
ALK_250108	0	ALKALINITY	100.8	100	mg CaCO3/L	SM2320 B	101	90-110		LFB	
COD_250107	0	CHEMICAL OXYGEN DEMAND	50	50	mg/L	SM5220 D	100	90-110		LFB	
	0	CHEMICAL OXYGEN DEMAND	51	50	mg/L	SM5220 D	102	90-110		LFB	
NO3NO2_250107	0	NITRATE-N	1.97	2.00	mg/L	SM4500-NO3 F	99	90-110		LFB	
	0	NITRITE-N	2.03	2.00	mg/L	SM4500-NO3 F	102	90-110		LFB	
SIM_250113	0	1,2 - DIBROMOETHANE (EDB SIM)	0.095	0.1	ug/L	8260SIM	95	80-120		LFB	SIMS ANALYSIS
	0	1,4-DIOXANE (SIM)	9.9	10	ug/L	8260SIM	99	80-120		LFB	SIMS ANALYSIS
	0	ACRYLONITRILE (SIM)	0.095	0.1	ug/L	8260SIM	95	80-120		LFB	SIMS ANALYSIS
	0	VINYL CHLORIDE (SIM)	0.095	0.1	ug/L	8260SIM	95	80-120		LFB	SIMS ANALYSIS
TOC_250110A3	0	TOTAL ORGANIC CARBON	0.90	1	mg/L	SM5310 B	90	90-110		LFB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Laboratory Reagent Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_250109B5	0	IRON, Dissolved	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		LRB	
200.7_250113E5	0	IRON	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE	ND		mg/L	200.7		0-0		LRB	
	0	CALCIUM	ND		mg/L	200.7		0-0		LRB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		LRB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		LRB	
	0	SODIUM	ND		mg/L	200.7		0-0		LRB	
200.8_250109B5	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
200.8_250113F5	0	ARSENIC	ND		mg/L	200.8		0-0		LRB	
ALK_250108	0	ALKALINITY	0.1		mg CaCO3/L	SM2320 B		0-1		LRB	
IC05_250114A	0	CHLORIDE	ND		mg/L	300.0		0-0		LRB	
	0	SULFATE	ND		mg/L	300.0		0-0		LRB	
NO3NO2_250107	0	NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0		LRB	
	0	NITRITE-N	ND		mg/L	SM4500-NO3 F		0-0		LRB	
TOC_250110A3	0	TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0-0		LRB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_250109B5	0	IRON, Dissolved	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		MB	
200.7_250113E5	0	IRON	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE	ND		mg/L	200.7		0-0		MB	
	0	CALCIUM	ND		mg/L	200.7		0-0		MB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		MB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		MB	
	0	SODIUM	ND		mg/L	200.7		0-0		MB	
200.8_250109B5	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
200.8_250113F5	0	ARSENIC	ND		mg/L	200.8		0-0		MB	
245.1_250120A	0	MERCURY, Dissolved	ND		mg/L	245.1		0-0		MB	
350.1_250122A	0	AMMONIA-N	ND		mg/L	350.1		0-0		MB	
8260W_250115	0	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	
	0	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	
	0	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	
	0	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	QC Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	
	0	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	
	0	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	
	0	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	2-HEXANONE	ND		ug/L	8260D		0-0		MB	
	0	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	
	0	ACETONE	ND		ug/L	8260D		0-0		MB	
	0	ACROLEIN	ND		ug/L	8260D		0-0		MB	
	0	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	
	0	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	BENZENE	ND		ug/L	8260D		0-0		MB	
	0	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	
	0	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	BROMOFORM	ND		ug/L	8260D		0-0		MB	
	0	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	
	0	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	
	0	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROFORM	ND		ug/L	8260D		0-0		MB	
	0	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	
	0	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	
	0	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	
	0	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	
	0	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	
	0	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	
	0	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	O - XYLENE	ND		ug/L	8260D		0-0		MB	
	0	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	STYRENE	ND		ug/L	8260D		0-0		MB	
	0	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	
	0	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	
	0	TOLUENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	
	0	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	1	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	1	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-36351

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	1	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	2	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 25-00289

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	2	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ACETONE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00289

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	2	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	STYRENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	3	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ACETONE	ND		ug/L	8260D		0-0		MB	TB 25-00800

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	3	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	3	STYRENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	4	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ACETONE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	4	BENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	STYRENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-01077

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	4	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
COD_250107	0	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		0-3		MB	
NO3NO2_250107	0	NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0		MB	
	0	NITRITE-N	ND		mg/L	SM4500-NO3 F		0-0		MB	
SIM_250113	0	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	1	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	1	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	1	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	1	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	2	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00289
	2	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00289
	2	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00289
	2	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00289
	3	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00800
	3	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00800
	3	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00800
	3	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00800
	4	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-01077
	4	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-01077
	4	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-01077
	4	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-01077
tds_250108	0	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
TOC_250110A3	0	TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	1,1 - DICHLOROETHANE	0.44	0.4	ug/L	8260D	110	50-150		MDL	
	0	1,1 - DICHLOROETHYLENE	0.42	0.4	ug/L	8260D	105	50-150		MDL	
	0	1,1 - DICHLOROPROPENE	0.26	0.4	ug/L	8260D	65	50-150		MDL	
	0	1,1,1 - TRICHLOROETHANE	0.48	0.4	ug/L	8260D	120	50-150		MDL	
	0	1,1,1,2 - TETRACHLOROETHANE	0.45	0.4	ug/L	8260D	113	50-150		MDL	
	0	1,1,2 - TRICHLOROETHANE	0.47	0.4	ug/L	8260D	118	50-150		MDL	
	0	1,1,2,2 - TETRACHLOROETHANE	0.40	0.4	ug/L	8260D	100	50-150		MDL	
	0	1,2 - DICHLOROBENZENE (ortho)	0.43	0.4	ug/L	8260D	108	50-150		MDL	
	0	1,2 - DICHLOROETHANE	0.50	0.4	ug/L	8260D	125	50-150		MDL	
	0	1,2 - DICHLOROPROPANE	0.39	0.4	ug/L	8260D	98	50-150		MDL	
	0	1,2,3 - TRICHLOROBENZENE	0.23	0.4	ug/L	8260D	58	50-150		MDL	
	0	1,2,3 - TRICHLOROPROPANE	0.39	0.4	ug/L	8260D	98	50-150		MDL	
	0	1,2,4 - TRICHLOROBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	1,2,4 - TRIMETHYLBENZENE	0.27	0.4	ug/L	8260D	68	50-150		MDL	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.40	0.4	ug/L	8260D	100	50-150		MDL	
	0	1,3 - DICHLOROBENZENE (meta)	0.36	0.4	ug/L	8260D	90	50-150		MDL	
	0	1,3 - DICHLOROPROPANE	0.40	0.4	ug/L	8260D	100	50-150		MDL	
	0	1,3,5 - TRIMETHYLBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	1,4 - DICHLOROBENZENE (para)	0.42	0.4	ug/L	8260D	105	50-150		MDL	
	0	2,2 - DICHLOROPROPANE	0.50	0.4	ug/L	8260D	125	50-150		MDL	
	0	BENZENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	BROMOBENZENE	0.30	0.4	ug/L	8260D	75	50-150		MDL	
	0	BROMOCHLOROMETHANE	0.45	0.4	ug/L	8260D	113	50-150		MDL	
	0	BROMODICHLOROMETHANE	0.48	0.4	ug/L	8260D	120	50-150		MDL	
	0	BROMOFORM	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	BROMOMETHANE	0.42	0.4	ug/L	8260D	105	50-150		MDL	
	0	CARBON TETRACHLORIDE	0.52	0.4	ug/L	8260D	130	50-150		MDL	
	0	CHLOROBENZENE	0.42	0.4	ug/L	8260D	105	50-150		MDL	
	0	CHLOROETHANE	0.47	0.4	ug/L	8260D	118	50-150		MDL	
	0	CHLOROFORM	0.51	0.4	ug/L	8260D	128	50-150		MDL	
	0	CHLOROMETHANE	0.45	0.4	ug/L	8260D	113	50-150		MDL	
	0	CIS - 1,2 - DICHLOROETHENE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	CIS - 1,3 - DICHLOROPROPENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	DIBROMOCHLOROMETHANE	0.47	0.4	ug/L	8260D	118	50-150		MDL	
	0	DIBROMOMETHANE	0.48	0.4	ug/L	8260D	120	50-150		MDL	
	0	DICHLORODIFLUOROMETHANE	0.51	0.4	ug/L	8260D	128	50-150		MDL	
	0	ETHYLBENZENE	0.26	0.4	ug/L	8260D	65	50-150		MDL	
	0	HEXACHLOROBUTADIENE	0.40	0.4	ug/L	8260D	100	50-150		MDL	
	0	ISOPROPYLBENZENE	0.22	0.4	ug/L	8260D	55	50-150		MDL	
	0	M,P- XYLENE	0.51	0.8	ug/L	8260D	64	50-150		MDL	
	0	METHYL TERT-BUTYL ETHER	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	METHYLENE CHLORIDE	0.40	0.4	ug/L	8260D	100	50-150		MDL	
	0	N - BUTYLBENZENE	0.26	0.4	ug/L	8260D	65	50-150		MDL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	N - PROPYLBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	NAPHTHALENE	0.22	0.4	ug/L	8260D	55	50-150		MDL	
	0	O - CHLOROTOLUENE	0.28	0.4	ug/L	8260D	70	50-150		MDL	
	0	O - XYLENE	0.23	0.4	ug/L	8260D	58	50-150		MDL	
	0	P - CHLOROTOLUENE	0.32	0.4	ug/L	8260D	80	50-150		MDL	
	0	P - ISOPROPYLTOLUENE	0.27	0.4	ug/L	8260D	68	50-150		MDL	
	0	SEC - BUTYLBENZENE	0.28	0.4	ug/L	8260D	70	50-150		MDL	
	0	STYRENE	0.25	0.4	ug/L	8260D	63	50-150		MDL	
	0	TERT - BUTYLBENZENE	0.22	0.4	ug/L	8260D	55	50-150		MDL	
	0	TETRACHLOROETHYLENE	0.42	0.4	ug/L	8260D	105	50-150		MDL	
	0	TOLUENE	0.41	0.4	ug/L	8260D	103	50-150		MDL	
	0	TRANS - 1,2 - DICHLOROETHENE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	TRANS - 1,3 - DICHLOROPROPENE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	TRICHLOROETHENE	0.43	0.4	ug/L	8260D	108	50-150		MDL	
	0	TRICHLOROFLUOROMETHANE	0.54	0.4	ug/L	8260D	135	50-150		MDL	
	0	VINYL CHLORIDE	0.41	0.4	ug/L	8260D	103	50-150		MDL	
SIM_250113	0	1,2 - DIBROMOETHANE (EDB SIM)	0.0100	0.01	ug/L	8260SIM	100	50-150		MDL	
	0	1,4-DIOXANE (SIM)	4.9	5	ug/L	8260SIM	98	50-150		MDL	
	0	ACRYLONITRILE (SIM)	0.0121	0.01	ug/L	8260SIM	121	50-150		MDL	
	0	VINYL CHLORIDE (SIM)	0.0091	0.01	ug/L	8260SIM	91	50-150		MDL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00289**
Report Date: 01/31/25

Quality Control Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_250109B5	0	IRON, Dissolved	2.04	2	mg/L	200.7	102	95-105		QCS	
	0	MANGANESE, Dissolved	2.02	2	mg/L	200.7	101	95-105		QCS	
200.7_250113E5	0	IRON	2.06	2	mg/L	200.7	103	95-105		QCS	
	0	MANGANESE	2.04	2	mg/L	200.7	102	95-105		QCS	
	1	CALCIUM	20.2	20	mg/L	200.7	101	95-105		QCS	
	1	MAGNESIUM	19.9	20	mg/L	200.7	100	95-105		QCS	
	1	POTASSIUM	20.6	20	mg/L	200.7	103	95-105		QCS	
	1	SODIUM	20.9	20	mg/L	200.7	105	95-105		QCS	
200.8_250109B5	0	ARSENIC, Dissolved	0.0194	0.02	mg/L	200.8	97	90-110		QCS	
	0	BARIUM, Dissolved	0.0196	0.02	mg/L	200.8	98	90-110		QCS	
	0	CADMIUM, Dissolved	0.0184	0.02	mg/L	200.8	92	90-110		QCS	
	0	CHROMIUM, Dissolved	0.0198	0.02	mg/L	200.8	99	90-110		QCS	
	0	COBALT, Dissolved	0.0198	0.02	mg/L	200.8	99	90-110		QCS	
	0	COPPER, Dissolved	0.0192	0.02	mg/L	200.8	96	90-110		QCS	
	0	LEAD, Dissolved	0.0189	0.02	mg/L	200.8	95	90-110		QCS	
	0	NICKEL, Dissolved	0.0203	0.02	mg/L	200.8	102	90-110		QCS	
	0	VANADIUM, Dissolved	0.02	0.02	mg/L	200.8	100	90-110		QCS	
	0	ZINC, Dissolved	0.0192	0.02	mg/L	200.8	96	90-110		QCS	
	0	ANTIMONY, Dissolved	0.038	0.04	mg/L	200.8	95	90-110		QCS	
	0	SELENIUM, Dissolved	0.0197	0.02	mg/L	200.8	99	90-110		QCS	
200.8_250113F5	0	ARSENIC	0.0187	0.02	mg/L	200.8	94	90-110		QCS	
245.1_250120A	0	MERCURY, Dissolved	0.00261	0.00254	mg/L	245.1	103	90-110		QCS	
350.1_250122A	0	AMMONIA-N	2.47	2.5	mg/L	350.1	99	85-115		QCS	
ALK_250108	0	ALKALINITY	99.3	100	mg CaCO3/L	SM2320 B	99	90-110		QCS	
COD_250107	0	CHEMICAL OXYGEN DEMAND	304	284	mg/L	SM5220 D	107	90-110		QCS	
IC05_250114A	0	CHLORIDE	6.4	6	mg/L	300.0	107	90-110		QCS	
	0	SULFATE	32.4	30	mg/L	300.0	108	90-110		QCS	
NO3NO2_250107	0	NITRATE-N	1.04	1.00	mg/L	SM4500-NO3 F	104	90-110		QCS	
	0	NITRITE-N	0.940	1.00	mg/L	SM4500-NO3 F	94	90-110		QCS	
tds_250108	0	TOTAL DISSOLVED SOLIDS (TDS)	492	500	mg/L	SM2540 C	98	80-120		QCS	
TOC_250110A3	0	TOTAL ORGANIC CARBON	3.56	3.61	mg/L	SM5310 B	99	90-110		QCS	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **25-00289**
Report Date: 1/31/2025

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
200.7_250109B5									
7439-89-6	447	IRON, Dissolved	0.66	0.66	mg/L	**0.0**	0-20		
7439-96-5	447	MANGANESE, Dissolved	0.0228	0.0230	mg/L	**0.9**	0-20		
7439-89-6	457	IRON, Dissolved	0.26	0.26	mg/L	**0.0**	0-20		
7439-96-5	457	MANGANESE, Dissolved	0.0746	0.0737	mg/L	**1.2**	0-20		
200.7_250113E5									
7439-89-6	57	IRON	1.60	1.74	mg/L	**8.4**	0-20		
200.8_250109B5									
7440-38-2	106	ARSENIC, Dissolved	0.0025	0.0026	mg/L	**3.9**	0-20		
7440-50-8	106	COPPER, Dissolved	ND	ND	mg/L	**NA**	0-20		
7439-92-1	106	LEAD, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-66-6	106	ZINC, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-38-2	508	ARSENIC, Dissolved	0.0050	0.0050	mg/L	**0.0**	0-20		
350.1_250122A									
7664-41-7	461	AMMONIA-N	2.54	2.49	mg/L	**2.0**	0-20		
7664-41-7	1249	AMMONIA-N	6.83	6.77	mg/L	**0.9**	0-20		
ALK_250108									
E-14506	73465	ALKALINITY	154.3	155.4	mg CaCO3/L	**0.7**	0-20		
COD_250107									
E-10117	315	CHEMICAL OXYGEN DEMAND	85	86	mg/L	**1.2**	0-20		
IC05_250114A									
16887-00-6	524	CHLORIDE	4.1	4.1	mg/L	**0.0**	0-20		
14808-79-8	524	SULFATE	0.4	0.4	mg/L	**0.0**	0-20		
16887-00-6	1636	CHLORIDE	1.6	1.6	mg/L	**0.0**	0-20		
14808-79-8	1636	SULFATE	1.1	1.1	mg/L	**0.0**	0-20		
NO3NO2_250107B									
14797-65-0	617	NITRITE-N	0.00673	0.00667	mg/L	**0.9**	0-20		
14797-55-8	617	NITRATE-N	10.4	10.5	mg/L	**1.0**	0-20		
tds_250108									
E-10173	222	TOTAL DISSOLVED SOLIDS (TDS)	36	40	mg/L	**10.5**	0-5	INH	
E-10173	1013	TOTAL DISSOLVED SOLIDS (TDS)	690	686	mg/L	**0.6**	0-5		
TOC_250110A3									
E-10195	359	TOTAL ORGANIC CARBON	ND	ND	mg/L	**NA**	0-20		
E-10195	617	TOTAL ORGANIC CARBON	15.8	15.6	mg/L	**1.3**	0-20		
E-10195	1343	TOTAL ORGANIC CARBON	0.56	0.59	mg/L	**5.2**	0-20		
E-10195	1639	TOTAL ORGANIC CARBON	0.83	0.83	mg/L	**0.0**	0-20		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **25-00289**
Report Date: 1/31/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result		Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
200.7_250109B5															
7439-89-6	447	IRON, Dissolved	0.66	1.31	1.39		0.50	mg/L	**130**	**146**	70-130	**11.6**	0-20	IM	
7439-96-5	447	MANGANESE, Dissolved	0.0228	0.666	0.750		0.50	mg/L	**129**	**145**	70-130	**12.3**	0-20	IM	
7439-89-6	457	IRON, Dissolved	0.26	0.75	0.74		0.50	mg/L	**98**	**96**	70-130	**2.1**	0-20		
7439-96-5	457	MANGANESE, Dissolved	0.0746	0.560	0.558		0.50	mg/L	**97**	**97**	70-130	**0.4**	0-20		
200.7_250113E5															
7439-89-6	57	IRON	1.60	2.44			0.25	mg/L	**336**		70-130	**NA**	0-20	IM	
200.8_250109B5															
7440-38-2	106	ARSENIC, Dissolved	0.0025	0.0127			0.010	mg/L	**102**		70-130	**NA**	0-20		
7440-50-8	106	COPPER, Dissolved	ND	0.0099			0.010	mg/L	**99**		70-130	**NA**	0-20		
7439-92-1	106	LEAD, Dissolved	ND	0.0095			0.010	mg/L	**95**		70-130	**NA**	0-20		
7440-66-6	106	ZINC, Dissolved	ND	0.0076			0.010	mg/L	**76**		70-130	**NA**	0-20		
7440-38-2	508	ARSENIC, Dissolved	0.0050	0.0152			0.010	mg/L	**102**		70-130	**NA**	0-20		
245.1_250120A															
7439-97-6	352	MERCURY, Dissolved	ND	0.00158	0.00160		0.00167	mg/L	**95**	**96**	70-130	**1.3**	0-20		
7439-97-6	1640	MERCURY, Dissolved	ND	0.00158	0.00155		0.00167	mg/L	**95**	**93**	70-130	**1.9**	0-20		
350.1_250122A															
7664-41-7	461	AMMONIA-N	2.54	3.49	3.39		1	mg/L	**95**	**85**	70-130	**11.1**	0-20		
7664-41-7	1249	AMMONIA-N	6.83	7.81	7.24		1	mg/L	**98**	**41**	70-130	**82.0**	0-20	IS	
8260W_250115															
75-34-3	2148	1,1 - DICHLOROETHANE	ND	4.2	4.8		4	ug/L	**105**	**120**	70-130	**13.3**	0-30		
75-35-4	2148	1,1 - DICHLOROETHYLENE	ND	4.5	5.0		4	ug/L	**113**	**125**	70-130	**10.5**	0-30		
563-58-6	2148	1,1 - DICHLOROPROPENE	ND	4.2	4.7		4	ug/L	**105**	**118**	70-130	**11.2**	0-30		
71-55-6	2148	1,1,1 - TRICHLOROETHANE	ND	4.8	5.2		4	ug/L	**120**	**130**	70-130	**8.0**	0-30		
630-20-6	2148	1,1,1,2 - TETRACHLOROETHANE	ND	4.2	4.5		4	ug/L	**105**	**113**	70-130	**6.9**	0-30		
79-00-5	2148	1,1,2 - TRICHLOROETHANE	ND	4.1	4.6		4	ug/L	**103**	**115**	70-130	**11.5**	0-30		
79-34-5	2148	1,1,2,2 - TETRACHLOROETHANE	ND	3.3	3.6		4	ug/L	**83**	**90**	70-130	**8.7**	0-30		
95-50-1	2148	1,2 - DICHLOROBENZENE (ortho)	ND	3.6	3.9		4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
107-06-2	2148	1,2 - DICHLOROETHANE	ND	4.7	5.1		4	ug/L	**118**	**128**	70-130	**8.2**	0-30		
78-87-5	2148	1,2 - DICHLOROPROPANE	ND	4.0	4.4		4	ug/L	**100**	**110**	70-130	**9.5**	0-30		
87-61-6	2148	1,2,3 - TRICHLOROBENZENE	ND	3.1	3.4		4	ug/L	**78**	**85**	70-130	**9.2**	0-30		
96-18-4	2148	1,2,3 - TRICHLOROPROPANE	ND	3.4	3.6		4	ug/L	**85**	**90**	70-130	**5.7**	0-30		
120-82-1	2148	1,2,4 - TRICHLOROBENZENE	ND	2.8	3.2		4	ug/L	**70**	**80**	70-130	**13.3**	0-30		
95-63-6	2148	1,2,4 - TRIMETHYLBENZENE	ND	4.2	4.6		4	ug/L	**105**	**115**	70-130	**9.1**	0-30		
96-12-8	2148	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND	3.4	3.6		4	ug/L	**85**	**90**	70-130	**5.7**	0-30		
541-73-1	2148	1,3 - DICHLOROBENZENE (meta)	ND	3.7	3.9		4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
142-28-9	2148	1,3 - DICHLOROPROPANE	ND	4.1	4.5		4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
108-67-8	2148	1,3,5 - TRIMETHYLBENZENE	ND	3.7	4.1		4	ug/L	**93**	**103**	70-130	**10.3**	0-30		
106-46-7	2148	1,4 - DICHLOROBENZENE (para)	ND	3.6	3.9		4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
594-20-7	2148	2,2 - DICHLOROPROPANE	ND	5.0	5.6	HR	4	ug/L	**125**	**140**	70-130	**11.3**	0-30		
71-43-2	2148	BENZENE	ND	4.1	4.5		4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
108-86-1	2148	BROMOBENZENE	ND	3.3	3.7		4	ug/L	**83**	**93**	70-130	**11.4**	0-30		
74-97-5	2148	BROMOCHLOROMETHANE	ND	4.3	4.7		4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
75-27-4	2148	BROMODICHLOROMETHANE	ND	4.5	4.9		4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
75-25-2	2148	BROMOFORM	ND	3.2	3.5		4	ug/L	**80**	**88**	70-130	**9.0**	0-30		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **25-00289**
Report Date: 1/31/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result		Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
74-83-9	2148	BROMOMETHANE	ND	4.1	4.5		4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
56-23-5	2148	CARBON TETRACHLORIDE	ND	5.4	5.9		4	ug/L	**135**	**148**	70-130	**8.8**	0-30	HR	
108-90-7	2148	CHLOROBENZENE	ND	4.0	4.3		4	ug/L	**100**	**108**	70-130	**7.2**	0-30		
75-00-3	2148	CHLOROETHANE	ND	4.0	4.5		4	ug/L	**100**	**113**	70-130	**11.8**	0-30		
67-66-3	2148	CHLOROFORM	ND	4.7	5.2		4	ug/L	**118**	**130**	70-130	**10.1**	0-30		
74-87-3	2148	CHLOROMETHANE	ND	3.8	4.0		4	ug/L	**95**	**100**	70-130	**5.1**	0-30		
156-59-2	2148	CIS - 1,2 - DICHLOROETHENE	ND	3.9	4.5		4	ug/L	**98**	**113**	70-130	**14.3**	0-30		
10061-01-5	2148	CIS - 1,3 - DICHLOROPROPENE	ND	3.7	4.3		4	ug/L	**93**	**108**	70-130	**15.0**	0-30		
124-48-1	2148	DIBROMOCHLOROMETHANE	ND	4.4	4.7		4	ug/L	**110**	**118**	70-130	**6.6**	0-30		
74-95-3	2148	DIBROMOMETHANE	ND	4.4	4.7		4	ug/L	**110**	**118**	70-130	**6.6**	0-30		
75-71-8	2148	DICHLORODIFLUOROMETHANE	ND	3.9	4.3		4	ug/L	**98**	**108**	70-130	**9.8**	0-30		
100-41-4	2148	ETHYLBENZENE	ND	3.6	3.9		4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
87-68-3	2148	HEXACHLOROBUTADIENE	ND	3.8	4.1		4	ug/L	**95**	**103**	70-130	**7.6**	0-30		
98-82-8	2148	ISOPROPYLBENZENE	ND	3.7	4.1		4	ug/L	**93**	**103**	70-130	**10.3**	0-30		
179601-23-1	2148	M,P- XYLENE	ND	7.2	7.8		8	ug/L	**90**	**98**	70-130	**8.0**	0-30		
1634-04-4	2148	METHYL TERT-BUTYL ETHER	ND	3.9	4.6		4	ug/L	**98**	**115**	70-130	**16.5**	0-30		
75-09-2	2148	METHYLENE CHLORIDE	ND	4.1	4.5		4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
104-51-8	2148	N - BUTYLBENZENE	ND	3.7	4.1		4	ug/L	**93**	**103**	70-130	**10.3**	0-30		
103-65-1	2148	N - PROPYLBENZENE	ND	3.9	4.3		4	ug/L	**98**	**108**	70-130	**9.8**	0-30		
91-20-3	2148	NAPHTHALENE	ND	3.0	3.5		4	ug/L	**75**	**88**	70-130	**15.4**	0-30		
95-49-8	2148	O - CHLOROTOLUENE	ND	3.6	4.0		4	ug/L	**90**	**100**	70-130	**10.5**	0-30		
95-47-6	2148	O - XYLENE	ND	3.6	3.9		4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
106-43-4	2148	P - CHLOROTOLUENE	ND	3.7	4.0		4	ug/L	**93**	**100**	70-130	**7.8**	0-30		
99-87-6	2148	P - ISOPROPYLTOLUENE	ND	4.4	4.7		4	ug/L	**110**	**118**	70-130	**6.6**	0-30		
135-98-8	2148	SEC - BUTYLBENZENE	ND	4.2	4.6		4	ug/L	**105**	**115**	70-130	**9.1**	0-30		
100-42-5	2148	STYRENE	ND	3.9	4.2		4	ug/L	**98**	**105**	70-130	**7.4**	0-30		
98-06-6	2148	TERT - BUTYLBENZENE	ND	3.7	4.1		4	ug/L	**93**	**103**	70-130	**10.3**	0-30		
127-18-4	2148	TETRACHLOROETHYLENE	ND	4.3	4.7		4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
108-88-3	2148	TOLUENE	ND	4.3	4.7		4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
156-60-5	2148	TRANS - 1,2 - DICHLOROETHENE	ND	4.2	4.6		4	ug/L	**105**	**115**	70-130	**9.1**	0-30		
10061-02-6	2148	TRANS - 1,3 - DICHLOROPROPENE	ND	3.8	4.3		4	ug/L	**95**	**108**	70-130	**12.3**	0-30		
79-01-6	2148	TRICHLOROETHENE	ND	4.3	4.7		4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
75-69-4	2148	TRICHLOROFLUOROMETHANE	ND	5.1	5.5	HR	4	ug/L	**128**	**138**	70-130	**7.5**	0-30		
75-01-4	2148	VINYL CHLORIDE	ND	3.8	4.1		4	ug/L	**95**	**103**	70-130	**7.6**	0-30		
COD_250107															
E-10117	315	CHEMICAL OXYGEN DEMAND	85	133	135		50	mg/L	**96**	**100**	70-130	**4.1**	0-20		
IC05_250114A															
16887-00-6	524	CHLORIDE	4.1	5.4			1	mg/L	**130**		90-110	**NA**	0-20	IM	
14808-79-8	524	SULFATE	0.4	2.3			2	mg/L	**95**		90-110	**NA**	0-20		
16887-00-6	1636	CHLORIDE	1.6	2.6			1	mg/L	**100**		90-110	**NA**	0-20		
14808-79-8	1636	SULFATE	1.1	3.1			2	mg/L	**100**		90-110	**NA**	0-20		
NO3NO2_250107B															
14797-65-0	617	NITRITE-N	0.00673	0.480	0.481		0.50	mg/L	**95**	**95**	80-120	**0.2**	0-20		
14797-55-8	617	NITRATE-N	10.4	10.9	11.0		0.50	mg/L	**100**	**120**	80-120	**18.2**	0-20		
SIM_250113															

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **25-00289**
Report Date: 1/31/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
106-93-4	2148	1,2 - DIBROMOETHANE (EDB SIM)	ND	0.111	0.119	0.1	ug/L	**111**	**119**	70-130	**7.0**	0-30		
123-91-1	2148	1,4-DIOXANE (SIM)	ND	11.7	12.2	10	ug/L	**117**	**122**	70-130	**4.2**	0-30		
107-13-1	2148	ACRYLONITRILE (SIM)	ND	0.106	0.116	0.1	ug/L	**106**	**116**	70-130	**9.0**	0-30		
75-01-4	2148	VINYL CHLORIDE (SIM)	ND	0.125	0.129	0.1	ug/L	**125**	**129**	70-130	**3.1**	0-30		
TOC_250110A3														
E-10195	359	TOTAL ORGANIC CARBON	ND	3.83		4	mg/L	**96**		70-130	**NA**	0-20		
E-10195	617	TOTAL ORGANIC CARBON	15.8	19.5		4	mg/L	**93**		70-130	**NA**	0-20		
E-10195	1343	TOTAL ORGANIC CARBON	0.56	4.52		4	mg/L	**99**		70-130	**NA**	0-20		
E-10195	1639	TOTAL ORGANIC CARBON	0.83	4.75		4	mg/L	**98**		70-130	**NA**	0-20		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

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QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 25-00289
Report Date: 01/31/25

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8260W_250115						
461	1,2 - DICHLOROETHANE-d4 (SURR)	119		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	118		%		
	4-BROMOFLUOROBENZENE (Surr)	78		%		
	d8-TOLUENE (Surr)	106		%		Acceptance Range: 50-150%
SIM_250113						
461	d8-TOLUENE (Surr)	94		%	8260SIM	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a meA surrogate is a pure compound added to a sample in the la

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 25-00289
Report Date: 01/31/25

Qualifier	Definition
AH	Result was high for this analyte in the end standard, indicating an increase in detector response. No detection of this analyte was found in samples, therefore no further action taken.
HR	High QCS recovery due to increased detector response No sample dectections, therefore, no further action taken for this analysis set.
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the MRL. No sample detections so no further action for this analysis batch.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

INVOICE

Client No: SKA02

Client: SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273

Attn: Ms. Meghan MacMullen

Please include Invoice # with payment

Invoice #: **25-00289**
Date: January 31, 2025
Project: Landfill Package - Inman #2
Date Received: January 06, 2025
Purchase Order: Landfill Pkg - Inman #2

Item	Lab Sample Number	Client Sample Number and Description	Type of Analysis	Turnaround	Extended Cost
1	461.00	3333 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$562.00
2	461.01	3333 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	
3	461.02	3333 - Inman LF	Total Organic Carbon	Standard	
4	461.03	3333 - Inman LF	Minerals in Water	Standard	
5	461.04	3333 - Inman LF	Dissolved Metals	Standard	
6	461.05	3333 - Inman LF	Ammonia	Standard	
7	461.06	3333 - Inman LF	Chemical Oxygen Demand	Standard	
8	461.07	3333 - Inman LF	Ion Chromatography-Anions	Standard	
9	461.08	3333 - Inman LF	Total Dissolved Solids	Standard	
10	461.09	3333 - Inman LF	ALKALINITY	Standard	
11	461.10	3333 - Inman LF	carbonate/bicarbonate/hydroxide	Standard	
12	461.11	3333 - Inman LF	Total Metals in Water	Standard	

Grand Total: $562.00
Amount Paid: $0.00
Amount Due (US Dollars): **$562.00**

Thank You for Your Business

Please pay to corporate office by March 2, 2025 to avoid a 1.5% per month finance charge.

Please Detach Here ^ and return this portion with your payment

Invoice #: **25-00289**
Amount Due: $562.00 in USD

SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273
SKA02

NEW Please Remit To:
Eurofins Environment Testing Northwest, LLC
PO BOX 1451, Carol Stream, IL 60132-1451
If paying by ACH, send remittance to: CUS033AR@nsc.eurofinsus.com

OR you can pay online at:
https://smartpay.profitstars.com/express/CUS033EETNW

Chain of Custody / Analysis Request (Please compl 25-00289 461 ...ed sections)

Page_____ of_____

Report to:	Skagit County Public Works	Bill to:	SKA02	**For Lab Use Only**	
Ship Address:	1800 Continental Place	Address:		Ref #	
City:	Mount Vernor St: WA Zip: 98273	City:	St: Zip:	**Check Regulatory Program**	
Attn:	Russell Thompson	Phone:	FAX:	☐ Safe Drinking Water Act	
Phone:	360.416-1400 FAX:	P.O.#:	Attn:	☐ Clean Water Act	
Email:	margog@co.skagit.wa.us;meghanm@co.skagit.wa.us			☐ RCRA / CERCLA	
Project	~~Gibralter~~ Landfill Package Inman			☐ Other	

EDGE ANALYTICAL
Main Lab (800-755-9295)
1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wilsonville Lab (503-682-7802)
9725 SW Commerce Cir. Ste A2 Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
1100 NE Circle Blvd, Ste 130, Corvallis, OR 97330
Bend Lab (541-639-8425)
20332 Empire Ave Ste F4, Bend, OR 97703

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. List each metal individually
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.
6. ***(NEW)*** Report to __ MDL or __ PQL ***(NEW)***

Turn Around Time Required
- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Req.)

Analyses Requested

CO059624

	Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	Landfill Package ~~Gibralter~~ Inman SCPW	MSMSD/8260	MSMSD/SIMS	TRIP BLANK (8260 SIM)	TRIP BLANK (8260)	Total metals As, Fe, Mn			Number of Containers	Special Instructions Conditions on Receipt
1	3333	Inman LF	Grab	W	1/6/25	12:00	☒	☐	☐	☒	☒	☒	☐	☐		
2							☐	☐	☐	☐	☐	☐	☐	☐		
3							☐	☐	☐	☐	☐	☐	☐	☐		
4							☐	☐	☐	☐	☐	☐	☐	☐		
5							☐	☐	☐	☐	☐	☐	☐	☐		
6							☐	☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐	☐		

****Are there known hazardous or dangerous wastes in these samples? YES / NO If YES, indicate type on reverse of this form; samples may be returned to you.**

Total Containers

Sampled by: Russell Thompson Phone: FAX: Email:

Sample Receipt Request (Must include FAX or Email) ☒

* **W** - water **SW** - surface water **WW** - waste water **SL** - salt water
DW - drinking water **ST** - storm water **S** - soil **OL** - oil Other:

****Relinquished by**	Date	Time	Received by	Date	Time
Russell Thompson	1/6/25	14:50	DRS (w/i) PH01	1/6/25	14:50

	Yes	No	N/A
Custody seals intact	☐	☐	☑
Sample temp 7.3 C° satisfactory	☑	☐	☐
Samples received intact	☑	☐	
Chain of custody & labels agree	☑	☐	

FORM: COC 3-7-2022

eurofins | Environment Testing Edge Analytical

Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

January 31, 2025

Russell Thompson
Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

RE: 25-00800 - Landfill Package - Inman #2

Dear Russell Thompson,

Your project: Landfill Package - Inman #2, was received on Thursday January 09, 2025.

All samples were analyzed within the accepted holding times and were appropriately preserved and analyzed according to approved analytical protocols, unless noted in the data or QC reports. The quality control data was within laboratory acceptance limits, unless specified in the data or QC reports.

If you have questions phone us at 800 755-9295.

Respectfully



Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Enclosures: Data Report

eurofins | Environment Testing Edge Analytical

Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

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Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

Data Report

Client Name: Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

Reference Number: **25-00800**
Project: Landfill Package - Inman #2

Report Date: 1/31/25

Date Received: 1/9/25
Approved by: anp,bj,ebvp,spm2
Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Sample Description: 3339 Inman LF — Matrix W — Sample Date: 1/9/25 12:15 pm
Lab Number: 1569 — Sample Comment: — Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
7439-96-5	**MANGANESE, Dissolved**	0.0672	0.001	0.00097	mg/L	1.0	200.7/FldFilter	a	1/13/25	BJ	200.7_250113C5	
7439-89-6	**IRON, Dissolved**	0.64	0.050	0.019	mg/L	1.0	200.7/FldFilter	a	1/13/25	BJ	200.7_250113C5	
7439-96-5	**MANGANESE**	0.0668	0.001	0.001	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113F5	
7439-89-6	**IRON**	0.66	0.050	0.003	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113F5	
7440-70-2	**CALCIUM**	33.9	0.5	0.008	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113F5	
7440-23-5	**SODIUM**	15.0	0.5	0.1	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113F5	
7439-95-4	**MAGNESIUM**	31.5	0.5	0.01	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113F5	
7440-09-7	**POTASSIUM**	5.0	0.5	0.1	mg/L	1.0	200.7/TR	a	1/13/25	BJ	200.7_250113F5	
7440-47-3	**CHROMIUM, Dissolved**	ND	0.01	8.80E-05	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7440-62-2	**VANADIUM, Dissolved**	ND	0.001	3.00E-05	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7440-48-4	**COBALT, Dissolved**	ND	0.001	1.90E-05	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7440-02-0	**NICKEL, Dissolved**	ND	0.001	5.10E-05	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7440-50-8	**COPPER, Dissolved**	ND	0.02	5.00E-05	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7440-66-6	**ZINC, Dissolved**	ND	0.05	0.00017	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7440-38-2	**ARSENIC, Dissolved**	ND	0.001	7.30E-05	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7782-49-2	**SELENIUM, Dissolved**	ND	0.005	0.00011	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7440-43-9	**CADMIUM, Dissolved**	ND	0.001	1.50E-05	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7440-36-0	**ANTIMONY, Dissolved**	ND	0.005	0.0001	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7440-39-3	**BARIUM, Dissolved**	0.0372	0.001	2.10E-05	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7439-92-1	**LEAD, Dissolved**	ND	0.001	2.90E-05	mg/L	1.0	200.8/FldFilter	a	1/22/25	EBVP	200.8_250122B4	
7440-38-2	**ARSENIC**	0.0043	0.0005	0.0005	mg/L	1.0	200.8/TR	a	1/20/25	BJ	200.8_250120A5	
7439-97-6	**MERCURY, Dissolved**	ND	0.0002	0.0001	mg/L	1.0	245.1/FldFilter	a	1/20/25	EBVP	245.1_250120A	
16887-00-6	**CHLORIDE**	8.9	0.1	0.01	mg/L	1.0	300.0	a	1/10/25	EBVP	IC05_250109A	
14808-79-8	**SULFATE**	16.5	0.2	0.04	mg/L	1.0	300.0	a	1/10/25	EBVP	IC05_250109A	
7664-41-7	**AMMONIA-N**	0.16	0.010	0.0045	mg/L	1.0	350.1	a	1/22/25	SPM2	350.1_250122C	

Notes:
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PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

eurofins | Environment Testing Edge Analytical

Reference Number: **25-00800**
Report Date: 1/31/25

Data Report

Sample Description: 3339 Inman LF — Matrix W — Sample Date: 1/9/25 12:15 pm
Lab Number: 1569 — Sample Comment: — Collected By: Russell Thompson

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-14506	**ALKALINITY**	231	5.0		mg CaCO3/L	5.0	SM2320 B	a	1/15/25	RMC	ALK_250115	
E-10173	**TOTAL DISSOLVED SOLIDS (TDS)**	368	10		mg/L	1.0	SM2540 C	a	1/17/25	EJW	TDS_250114	
14797-55-8	**NITRATE-N**	ND	0.1	0.0033	mg/L	1.0	SM4500-NO3 F	a	1/10/25	CJK2	NO3NO2_250110	
14797-65-0	**NITRITE-N**	ND	0.1	0.0024	mg/L	1.0	SM4500-NO3 F	a	1/10/25	CJK2	NO3NO2_250110	
E-10117	**CHEMICAL OXYGEN DEMAND**	ND	20	3.63	mg/L	1.0	SM5220 D	a	1/10/25	ATH	COD_250110	
E-10195	**TOTAL ORGANIC CARBON**	0.45	0.15	0.12	mg/L	1.0	SM5310 B	a	1/10/25	RMC	TOC_250110A3	

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D.F. - Dilution Factor

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Burlington, WA *(a)*
1620 S Walnut St - Burlington, WA 98233 - **800.755.9295** • 360.757.1400

Bellingham, WA *Microbiology (b)*
805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1212

Portland, OR *Microbiology/Chemistry (c)*
9725 SW Commerce Cr Ste A2 - Wilsonville, OR 97070 - 503.682.7802

Corvallis, OR *Microbiology/Chemistry (d)*
1100 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 - 541.753.4946

Bend, OR *Microbiology (e)*
20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541.639.8425

WSDOE Lab C567

DATA REPORT

Client Name: Skagit County Public Works
1800 Continental Place
Mount Vernon, WA 98273

Reference Number: **25-00800**
Project: Landfill Package - Inman #2

Lab Number: 01569
Field ID: 3339
Sample Description: Inman LF
Matrix: Water
Sample Date: 1/9/25
Extraction Date: 1/15/25
Extraction Method: 5030B

Report Date: 1/31/25
Date Analyzed: 1/15/25
Analyst: NML
Analytical Method: 8260D
Batch: 8260W_250115
Approved By: pdm

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
75-34-3	1,1 - DICHLOROETHANE	**ND**		ug/L	0.4	0.18	1.00	a	
75-35-4	1,1 - DICHLOROETHYLENE	**ND**		ug/L	0.4	0.17	1.00	a	
563-58-6	1,1 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.17	1.00	a	
71-55-6	1,1,1 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.33	1.00	a	
79-00-5	1,1,2 - TRICHLOROETHANE	**ND**		ug/L	0.4	0.27	1.00	a	
76-13-1	1,1,2 - TRICHLOROTRIFLUOROETHANE	**ND**		ug/L	0.4	0.20	1.00	a	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	**ND**		ug/L	0.4	0.31	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB)	**ND**		ug/L	0.4	0.24	1.00	a	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	**ND**		ug/L	0.4	0.3	1.00	a	
107-06-2	1,2 - DICHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
78-87-5	1,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.2	1.00	a	
87-61-6	1,2,3 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.27	1.00	a	
96-18-4	1,2,3 - TRICHLOROPROPANE	**ND**		ug/L	0.4	0.34	1.00	a	
120-82-1	1,2,4 - TRICHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-63-6	1,2,4 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	**ND**		ug/L	1.0	0.27	1.00	a	
541-73-1	1,3 - DICHLOROBENZENE (meta)	**ND**		ug/L	0.4	0.27	1.00	a	
142-28-9	1,3 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.26	1.00	a	
108-67-8	1,3,5 - TRIMETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-46-7	1,4 - DICHLOROBENZENE (para)	**ND**		ug/L	0.4	0.3	1.00	a	
109-69-3	1-CHLOROBUTANE	**ND**		ug/L	0.4	0.29	1.00	a	
594-20-7	2,2 - DICHLOROPROPANE	**ND**		ug/L	0.4	0.36	1.00	a	
78-93-3	2-BUTANONE (MEK)	**ND**		ug/L	3.0	2.63	1.00	a	
110-75-8	2-CHLOROETHYL VINYL ETHER	**ND**		ug/L	5.0	1.76	1.00	a	Screening Only
591-78-6	2-HEXANONE	**ND**		ug/L	5.0	3.76	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

Form: c608.rpt

Lab Number: 01569
Field ID: 3339
Sample Description: Inman LF
Matrix: Water
Sample Date: 1/9/25
Extraction Date: 1/15/25
Extraction Method: 5030B

Report Date: 1/31/25
Date Analyzed: 1/15/25
Analyst: NML
Analytical Method: 8260D
Batch: 8260W_250115
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
79-46-9	2-NITROPROPANE	**ND**		ug/L	10.0	2.73	1.00	a	
108-10-1	4-METHYL-2-PENTANONE	**ND**		ug/L	4.0	0.62	1.00	a	
67-64-1	ACETONE	**ND**		ug/L	3.0	0.74	1.00	a	
107-02-8	ACROLEIN	**ND**		ug/L	4.0	0.31	1.00	a	Screening Only
107-13-1	ACRYLONITRILE	**ND**		ug/L	2.0	1.83	1.00	a	
107-05-1	ALLYL CHLORIDE	**ND**		ug/L	2.0	0.26	1.00	a	
71-43-2	BENZENE	**ND**		ug/L	0.4	0.1	1.00	a	
108-86-1	BROMOBENZENE	**ND**		ug/L	0.4	0.32	1.00	a	
74-97-5	BROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.19	1.00	a	
75-27-4	BROMODICHLOROMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-25-2	BROMOFORM	**ND**		ug/L	0.4	0.3	1.00	a	
74-83-9	BROMOMETHANE	**ND**		ug/L	0.4	0.23	1.00	a	
75-15-0	CARBON DISULFIDE	**ND**		ug/L	0.4	0.15	1.00	a	
56-23-5	CARBON TETRACHLORIDE	**ND**		ug/L	0.4	0.16	1.00	a	
108-90-7	CHLOROBENZENE	**ND**		ug/L	0.4	0.26	1.00	a	
75-00-3	CHLOROETHANE	**ND**		ug/L	0.4	0.17	1.00	a	
67-66-3	CHLOROFORM	**ND**		ug/L	0.4	0.18	1.00	a	
74-87-3	CHLOROMETHANE	**ND**		ug/L	0.4	0.24	1.00	a	
156-59-2	CIS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.16	1.00	a	
10061-01-5	CIS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.24	1.00	a	
124-48-1	DIBROMOCHLOROMETHANE	**ND**		ug/L	0.4	0.25	1.00	a	
74-95-3	DIBROMOMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-71-8	DICHLORODIFLUOROMETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
75-43-4	DICHLOROFLUOROMETHANE (FREON-21)	**ND**		ug/L	0.4	0.22	1.00	a	
60-29-7	DIETHYL ETHER	**ND**		ug/L	0.4	0.19	1.00	a	
97-63-2	ETHYL METHACRYLATE	**ND**		ug/L	3.0	2.13	1.00	a	
100-41-4	ETHYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
87-68-3	HEXACHLOROBUTADIENE	**ND**		ug/L	0.4	0.2	1.00	a	
67-72-1	HEXACHLOROETHANE	**ND**		ug/L	0.4	0.32	1.00	a	
98-82-8	ISOPROPYLBENZENE	**ND**		ug/L	0.4	0.23	1.00	a	
179601-23-1	M,P- XYLENE	**ND**		ug/L	0.4	0.37	1.00	a	
126-98-7	METHACRYLONITRILE	**ND**		ug/L	4.0	1.09	1.00	a	
96-33-3	METHYL ACRYLATE	**ND**		ug/L	1.5	1.20	1.00	a	
74-88-4	METHYL IODIDE	**ND**		ug/L	5.0	2.29	1.00	a	
80-62-6	METHYL METHACRYLATE	**ND**		ug/L	2.0	1.78	1.00	a	
1634-04-4	METHYL TERT-BUTYL ETHER	**ND**		ug/L	0.4	0.24	1.00	a	
75-09-2	METHYLENE CHLORIDE	**ND**		ug/L	0.4	0.23	1.00	a	
104-51-8	N - BUTYLBENZENE	**ND**		ug/L	0.4	0.2	1.00	a	
103-65-1	N - PROPYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
91-20-3	NAPHTHALENE	**ND**		ug/L	1.0	0.27	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 01569
Field ID: 3339
Sample Description: Inman LF
Matrix: Water
Sample Date: 1/9/25
Extraction Date: 1/15/25
Extraction Method: 5030B

Report Date: 1/31/25
Date Analyzed: 1/15/25
Analyst: NML
Analytical Method: 8260D
Batch: 8260W_250115
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
95-49-8	O - CHLOROTOLUENE	**ND**		ug/L	0.4	0.26	1.00	a	
95-47-6	O - XYLENE	**ND**		ug/L	0.4	0.24	1.00	a	
106-43-4	P - CHLOROTOLUENE	**ND**		ug/L	0.4	0.28	1.00	a	
99-87-6	P - ISOPROPYLTOLUENE	**ND**		ug/L	0.4	0.23	1.00	a	
76-01-7	PENTACHLOROETHANE	**ND**		ug/L	0.4	0.21	1.00	a	
135-98-8	SEC - BUTYLBENZENE	**ND**		ug/L	0.4	0.22	1.00	a	
100-42-5	STYRENE	**ND**		ug/L	0.4	0.28	1.00	a	Screening Only
98-06-6	TERT - BUTYLBENZENE	**ND**		ug/L	0.4	0.24	1.00	a	
127-18-4	TETRACHLOROETHYLENE	**ND**		ug/L	0.4	0.2	1.00	a	
109-99-9	TETRAHYDROFURAN	**ND**		ug/L	3.0	1.88	1.00	a	
108-88-3	TOLUENE	**ND**		ug/L	0.4	0.2	1.00	a	
156-60-5	TRANS - 1,2 - DICHLOROETHENE	**ND**		ug/L	0.4	0.18	1.00	a	
10061-02-6	TRANS - 1,3 - DICHLOROPROPENE	**ND**		ug/L	0.4	0.27	1.00	a	
110-57-6	TRANS - 1,4 - DICHLORO-2-BUTENE	**ND**		ug/L	5.0	0.40	1.00	a	
79-01-6	TRICHLOROETHENE	**ND**		ug/L	0.4	0.2	1.00	a	
75-69-4	TRICHLOROFLUOROMETHANE	**ND**		ug/L	0.4	0.16	1.00	a	
75-01-4	VINYL CHLORIDE	**ND**		ug/L	0.4	0.13	1.00	a	
75-45-6	(FREON 22) CHLORODIFLUOROMETHANE	**ND**		ug/L	0.5	0.16	1.00	a	

Notes:

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Permit QL = Quantitation Limt required by permit (listed in Appendix A) or other regulatory requirement.
D.F. - Dilution Factor.

Lab Number: 01569
Field ID: 3339
Sample Description: Inman LF
Matrix: Water
Sample Date: 1/9/25
Extraction Date: 1/13/25
Extraction Method: 5030B

Report Date: 1/31/25
Date Analyzed: 1/13/25
Analyst: MA
Analytical Method: 8260SIM
Batch: SIM_250113
Approved By: pdm

CAS	Compound	RESULT	Flag	UNITS	Lab QL	MDL	D.F.	Lab	COMMENT
	Volatile Organic Compounds								
75-01-4	VINYL CHLORIDE (SIM)	**ND**		ug/L	0.01	0.007	1.00	a	
107-13-1	ACRYLONITRILE (SIM)	**ND**		ug/L	0.05	0.034	1.00	a	
106-93-4	1,2 - DIBROMOETHANE (EDB SIM)	**ND**		ug/L	0.01	0.00099	1.00	a	
123-91-1	1,4-DIOXANE (SIM)	**ND**		ug/L	5	1.42	1.00	a	

Notes:

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D.F. - Dilution Factor.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Calibration Check

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_250113C5	2	IRON, Dissolved	1.04	1	mg/L	200.7	104	90-110		CAL	
	2	MANGANESE, Dissolved	1.05	1	mg/L	200.7	105	90-110		CAL	
200.7_250113F5	2	CALCIUM	11.2	11	mg/L	200.7	102	90-110		CAL	
	2	IRON	1.04	1	mg/L	200.7	104	90-110		CAL	
	2	MAGNESIUM	11.1	11	mg/L	200.7	101	90-110		CAL	
	2	MANGANESE	1.05	1	mg/L	200.7	105	90-110		CAL	
	2	POTASSIUM	8.1	8.5	mg/L	200.7	95	90-110		CAL	
	2	SODIUM	11.3	11	mg/L	200.7	103	90-110		CAL	
200.8_250120A5	0	ARSENIC	0.00108	0.001	mg/L	200.8	108	80-120		CAL	
200.8_250122B4	0	ARSENIC, Dissolved	0.00106	0.001	mg/L	200.8	106	80-120		CAL	
	0	BARIUM, Dissolved	0.00097	0.001	mg/L	200.8	97	80-120		CAL	
	0	CADMIUM, Dissolved	0.00098	0.001	mg/L	200.8	98	80-120		CAL	
	0	CHROMIUM, Dissolved	0.00104	0.001	mg/L	200.8	104	80-120		CAL	
	0	COBALT, Dissolved	0.00099	0.001	mg/L	200.8	99	80-120		CAL	
	0	COPPER, Dissolved	0.00097	0.001	mg/L	200.8	97	80-120		CAL	
	0	LEAD, Dissolved	0.00093	0.001	mg/L	200.8	93	80-120		CAL	
	0	NICKEL, Dissolved	0.00102	0.001	mg/L	200.8	102	80-120		CAL	
	0	VANADIUM, Dissolved	0.00096	0.001	mg/L	200.8	96	80-120		CAL	
	0	ZINC, Dissolved	0.00107	0.001	mg/L	200.8	107	80-120		CAL	
	0	ANTIMONY, Dissolved	0.001	0.001	mg/L	200.8	100	80-120		CAL	
	0	SELENIUM, Dissolved	0.00103	0.001	mg/L	200.8	103	80-120		CAL	
245.1_250120A	0	MERCURY, Dissolved	0.00196	0.002	mg/L	245.1	98	95-105		CAL	
350.1_250122C	0	AMMONIA-N	2.58	2.5	mg/L	350.1	103	90-110		CAL	
COD_250110	0	CHEMICAL OXYGEN DEMAND	50	50	mg/L	SM5220 D	100	90-110		CAL	
IC05_250109A	0	CHLORIDE	0.9	1	mg/L	300.0	90	90-110		CAL	
	0	SULFATE	1.9	2	mg/L	300.0	95	90-110		CAL	
NO3NO2_25011(	0	NITRATE-N	0.497	0.50	mg/L	SM4500-NO3 F	99	90-110		CAL	
	0	NITRITE-N	0.502	0.50	mg/L	SM4500-NO3 F	100	90-110		CAL	
TOC_250110A3	0	TOTAL ORGANIC CARBON	2.42	2.5	mg/L	SM5310 B	97	90-110		CAL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_250113C5	1	IRON, Dissolved	0.529	0.5	mg/L	200.7	106	85-115		LFB	
	1	MANGANESE, Dissolved	0.511	0.5	mg/L	200.7	102	85-115		LFB	
200.7_250113F5	2	CALCIUM	7	6.5	mg/L	200.7	108	85-115		LFB	
	2	IRON	0.261	0.25	mg/L	200.7	104	85-115		LFB	
	2	MAGNESIUM	6.9	6.5	mg/L	200.7	106	85-115		LFB	
	2	MANGANESE	0.251	0.25	mg/L	200.7	100	85-115		LFB	
	2	POTASSIUM	9	8.75	mg/L	200.7	103	85-115		LFB	
	2	SODIUM	6.9	6.5	mg/L	200.7	106	85-115		LFB	
200.8_250120A5	0	ARSENIC	0.012	0.0125	mg/L	200.8	96	85-115		LFB	
200.8_250122B4	0	ARSENIC, Dissolved	0.0100	0.01	mg/L	200.8	100	85-115		LFB	
	0	BARIUM, Dissolved	0.0095	0.01	mg/L	200.8	95	85-115		LFB	
	0	CADMIUM, Dissolved	0.0096	0.01	mg/L	200.8	96	85-115		LFB	
	0	CHROMIUM, Dissolved	0.0099	0.01	mg/L	200.8	99	85-115		LFB	
	0	COBALT, Dissolved	0.0096	0.01	mg/L	200.8	96	85-115		LFB	
	0	COPPER, Dissolved	0.0103	0.01	mg/L	200.8	103	85-115		LFB	
	0	LEAD, Dissolved	0.0092	0.01	mg/L	200.8	92	85-115		LFB	
	0	NICKEL, Dissolved	0.0100	0.01	mg/L	200.8	100	85-115		LFB	
	0	VANADIUM, Dissolved	0.0095	0.01	mg/L	200.8	95	85-115		LFB	
	0	ZINC, Dissolved	0.0102	0.01	mg/L	200.8	102	85-115		LFB	
	0	ANTIMONY, Dissolved	0.0097	0.01	mg/L	200.8	97	85-115		LFB	
	0	SELENIUM, Dissolved	0.0100	0.01	mg/L	200.8	100	85-115		LFB	
245.1_250120A	0	MERCURY, Dissolved	0.00162	0.00167	mg/L	245.1	97	85-115		LFB	
350.1_250122C	0	AMMONIA-N	0.91	1	mg/L	350.1	91	85-115		LFB	
8260W_250115	0	1,1 - DICHLOROETHANE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	1,1 - DICHLOROETHYLENE	10.9	10	ug/L	8260D	109	80-120		LFB	
	0	1,1 - DICHLOROPROPENE	10.8	10	ug/L	8260D	108	80-120		LFB	
	0	1,1,1 - TRICHLOROETHANE	11.4	10	ug/L	8260D	114	80-120	AH	LFB	
	0	1,1,1,2 - TETRACHLOROETHANE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	1,1,2 - TRICHLOROETHANE	10.5	10	ug/L	8260D	105	80-120		LFB	
	0	1,1,2 - TRICHLOROTRIFLUOROETHANE	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	1,1,2,2 - TETRACHLOROETHANE	8.3	10	ug/L	8260D	83	80-120		LFB	
	0	1,2 - DICHLOROBENZENE (ortho)	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	1,2 - DICHLOROETHANE	11.7	10	ug/L	8260D	117	80-120	AH	LFB	
	0	1,2 - DICHLOROPROPANE	10.2	10	ug/L	8260D	102	80-120		LFB	
	0	1,2,3 - TRICHLOROBENZENE	8.8	10	ug/L	8260D	88	80-120		LFB	
	0	1,2,3 - TRICHLOROPROPANE	8.6	10	ug/L	8260D	86	80-120		LFB	
	0	1,2,4 - TRICHLOROBENZENE	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	1,2,4 - TRIMETHYLBENZENE	10.1	10	ug/L	8260D	101	80-120		LFB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	1,3 - DICHLOROBENZENE (meta)	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	1,3 - DICHLOROPROPANE	10.6	10	ug/L	8260D	106	80-120		LFB	
	0	1,3,5 - TRIMETHYLBENZENE	9.5	10	ug/L	8260D	95	80-120		LFB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	1,4 - DICHLOROBENZENE (para)	8.8	10	ug/L	8260D	88	80-120		LFB	
	0	1-CHLOROBUTANE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	2,2 - DICHLOROPROPANE	13.0	10	ug/L	8260D	130	80-120	HR	LFB	
	0	2-BUTANONE (MEK)	8.6	10	ug/L	8260D	86	80-120		LFB	
	0	2-CHLOROETHYL VINYL ETHER	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	2-HEXANONE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	2-NITROPROPANE	10.0	10	ug/L	8260D	100	80-120	AH	LFB	
	0	4-METHYL-2-PENTANONE	9.7	10	ug/L	8260D	97	80-120		LFB	
	0	ACETONE	11.7	10	ug/L	8260D	117	80-120		LFB	
	0	ACROLEIN	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	ACRYLONITRILE	20.3	20	ug/L	8260D	102	80-120		LFB	
	0	ALLYL CHLORIDE	10.9	10	ug/L	8260D	109	80-120		LFB	
	0	BENZENE	10.0	10	ug/L	8260D	100	80-120		LFB	
	0	BROMOBENZENE	8.8	10	ug/L	8260D	88	80-120		LFB	
	0	BROMOCHLOROMETHANE	10.5	10	ug/L	8260D	105	80-120		LFB	
	0	BROMODICHLOROMETHANE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	BROMOFORM	8.6	10	ug/L	8260D	86	80-120		LFB	
	0	BROMOMETHANE	9.9	10	ug/L	8260D	99	80-120		LFB	
	0	CARBON DISULFIDE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	CARBON TETRACHLORIDE	12.3	10	ug/L	8260D	123	80-120	HR	LFB	
	0	CHLOROBENZENE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	CHLOROETHANE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	CHLOROFORM	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	CHLOROMETHANE	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	CIS - 1,2 - DICHLOROETHENE	10.5	10	ug/L	8260D	105	80-120		LFB	
	0	CIS - 1,3 - DICHLOROPROPENE	11.0	10	ug/L	8260D	110	80-120		LFB	
	0	DIBROMOCHLOROMETHANE	11.2	10	ug/L	8260D	112	80-120		LFB	
	0	DIBROMOMETHANE	11.0	10	ug/L	8260D	110	80-120		LFB	
	0	DICHLORODIFLUOROMETHANE	10.3	10	ug/L	8260D	103	80-120		LFB	
	0	DICHLOROFLUOROMETHANE (FREON-21)	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	DIETHYL ETHER	11.1	10	ug/L	8260D	111	80-120		LFB	
	0	ETHYL METHACRYLATE	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	ETHYLBENZENE	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	HEXACHLOROBUTADIENE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	HEXACHLOROETHANE	14.7	10	ug/L	8260D	147	80-120	HR	LFB	
	0	ISOPROPYLBENZENE	9.2	10	ug/L	8260D	92	80-120		LFB	
	0	M,P- XYLENE	17.6	20	ug/L	8260D	88	80-120		LFB	
	0	METHACRYLONITRILE	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	METHYL ACRYLATE	9.9	10	ug/L	8260D	99	80-120		LFB	
	0	METHYL IODIDE	11.6	10	ug/L	8260D	116	80-120		LFB	
	0	METHYL METHACRYLATE	7.8	10	ug/L	8260D	78	80-120	LR	LFB	
	0	METHYL TERT-BUTYL ETHER	11.1	10	ug/L	8260D	111	80-120	AH	LFB	
	0	METHYLENE CHLORIDE	10.1	10	ug/L	8260D	101	80-120		LFB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Laboratory Fortified Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	N - BUTYLBENZENE	10.2	10	ug/L	8260D	102	80-120		LFB	
	0	N - PROPYLBENZENE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	NAPHTHALENE	9.0	10	ug/L	8260D	90	80-120		LFB	
	0	O - CHLOROTOLUENE	9.2	10	ug/L	8260D	92	80-120		LFB	
	0	O - XYLENE	9.2	10	ug/L	8260D	92	80-120		LFB	
	0	P - CHLOROTOLUENE	9.1	10	ug/L	8260D	91	80-120		LFB	
	0	P - ISOPROPYLTOLUENE	10.7	10	ug/L	8260D	107	80-120		LFB	
	0	PENTACHLOROETHANE	14.7	10	ug/L	8260D	147	80-120	HR	LFB	
	0	SEC - BUTYLBENZENE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	STYRENE	9.4	10	ug/L	8260D	94	80-120		LFB	
	0	TERT - BUTYLBENZENE	9.6	10	ug/L	8260D	96	80-120		LFB	
	0	TETRACHLOROETHYLENE	10.5	10	ug/L	8260D	105	80-120		LFB	
	0	TETRAHYDROFURAN	8.7	10	ug/L	8260D	87	80-120		LFB	
	0	TOLUENE	10.4	10	ug/L	8260D	104	80-120		LFB	
	0	TRANS - 1,2 - DICHLOROETHENE	10.3	10	ug/L	8260D	103	80-120		LFB	
	0	TRANS - 1,3 - DICHLOROPROPENE	10.9	10	ug/L	8260D	109	80-120		LFB	
	0	TRANS - 1,4 - DICHLORO-2-BUTENE	11.3	10	ug/L	8260D	113	80-120		LFB	
	0	TRICHLOROETHENE	10.5	10	ug/L	8260D	105	80-120		LFB	
	0	TRICHLOROFLUOROMETHANE	11.9	10	ug/L	8260D	119	80-120	AH	LFB	
	0	VINYL CHLORIDE	8.9	10	ug/L	8260D	89	80-120		LFB	
	0	(FREON 22) CHLORODIFLUOROMETHANE	10.0	10	ug/L	8260D	100	80-120		LFB	
ALK_250115	0	ALKALINITY	101	100	mg CaCO3/L	SM2320 B	101	90-110		LFB	
COD_250110	0	CHEMICAL OXYGEN DEMAND	50	50	mg/L	SM5220 D	100	90-110		LFB	
NO3NO2_25011(	0	NITRATE-N	1.99	2.00	mg/L	SM4500-NO3 F	100	90-110		LFB	
	0	NITRITE-N	2.00	2.00	mg/L	SM4500-NO3 F	100	90-110		LFB	
SIM_250113	0	1,2 - DIBROMOETHANE (EDB SIM)	0.095	0.1	ug/L	8260SIM	95	80-120		LFB	SIMS ANALYSIS
	0	1,4-DIOXANE (SIM)	9.9	10	ug/L	8260SIM	99	80-120		LFB	SIMS ANALYSIS
	0	ACRYLONITRILE (SIM)	0.095	0.1	ug/L	8260SIM	95	80-120		LFB	SIMS ANALYSIS
	0	VINYL CHLORIDE (SIM)	0.095	0.1	ug/L	8260SIM	95	80-120		LFB	SIMS ANALYSIS
TOC_250110A3	0	TOTAL ORGANIC CARBON	0.90	1	mg/L	SM5310 B	90	90-110		LFB	

*Notation:
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NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Laboratory Reagent Blank											
200.7_250113C5	0	IRON, Dissolved	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		LRB	
200.7_250113F5	0	CALCIUM	ND		mg/L	200.7		0-0		LRB	
	0	IRON	ND		mg/L	200.7		0-0		LRB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		LRB	
	0	MANGANESE	ND		mg/L	200.7		0-0		LRB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		LRB	
	0	SODIUM	ND		mg/L	200.7		0-0		LRB	
200.8_250120A5	0	ARSENIC	ND		mg/L	200.8		0-0		LRB	
200.8_250122B4	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		LRB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		LRB	
ALK_250115	0	ALKALINITY	0.00		mg CaCO3/l	SM2320 B		0-1		LRB	
	0	ALKALINITY	0.10		mg CaCO3/l	SM2320 B		0-1		LRB	
IC05_250109A	0	CHLORIDE	ND		mg/L	300.0		0-0		LRB	
	0	SULFATE	ND		mg/L	300.0		0-0		LRB	
NO3NO2_25011(	0	NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0		LRB	
	0	NITRITE-N	ND		mg/L	SM4500-NO3 F		0-0		LRB	
TOC_250110A3	0	TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0-0		LRB	

*Notation:
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NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_250113C5	0	IRON, Dissolved	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE, Dissolved	ND		mg/L	200.7		0-0		MB	
200.7_250113F5	0	CALCIUM	ND		mg/L	200.7		0-0		MB	
	0	IRON	ND		mg/L	200.7		0-0		MB	
	0	MAGNESIUM	ND		mg/L	200.7		0-0		MB	
	0	MANGANESE	ND		mg/L	200.7		0-0		MB	
	0	POTASSIUM	ND		mg/L	200.7		0-0		MB	
	0	SODIUM	ND		mg/L	200.7		0-0		MB	
200.8_250120A5	0	ARSENIC	ND		mg/L	200.8		0-0		MB	
200.8_250122B4	0	ARSENIC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	BARIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CADMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	CHROMIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COBALT, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	COPPER, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	LEAD, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	NICKEL, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	VANADIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ZINC, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	ANTIMONY, Dissolved	ND		mg/L	200.8		0-0		MB	
	0	SELENIUM, Dissolved	ND		mg/L	200.8		0-0		MB	
245.1_250120A	0	MERCURY, Dissolved	ND		mg/L	245.1		0-0		MB	
350.1_250122C	0	AMMONIA-N	ND		mg/L	350.1		0-0		MB	
8260W_250115	0	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	
	0	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	
	0	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	
	0	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	
	0	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	
	0	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	
	0	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	2-HEXANONE	ND		ug/L	8260D		0-0		MB	
	0	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	
	0	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	
	0	ACETONE	ND		ug/L	8260D		0-0		MB	
	0	ACROLEIN	ND		ug/L	8260D		0-0		MB	
	0	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	
	0	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	BENZENE	ND		ug/L	8260D		0-0		MB	
	0	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	
	0	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	BROMOFORM	ND		ug/L	8260D		0-0		MB	
	0	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	
	0	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	
	0	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	CHLOROFORM	ND		ug/L	8260D		0-0		MB	
	0	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	
	0	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	
	0	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	
	0	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	
	0	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	
	0	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	
	0	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	
	0	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	
	0	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	O - XYLENE	ND		ug/L	8260D		0-0		MB	
	0	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	
	0	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	
	0	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	STYRENE	ND		ug/L	8260D		0-0		MB	
	0	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	
	0	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	
	0	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	
	0	TOLUENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	
	0	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	
	0	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	
	0	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	0	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	
	0	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	
	1	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	1	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACETONE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 24-36351

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	1	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	STYRENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	1	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 24-36351
	2	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 25-00289

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	2	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ACETONE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00289

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	2	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	STYRENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	2	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00289
	3	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ACETONE	ND		ug/L	8260D		0-0		MB	TB 25-00800

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	3	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	3	STYRENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	3	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-00800
	4	1,1 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1 - DICHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1,1 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1,1,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1,2 - TRICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1,2 - TRICHLOROTRIFLUOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,1,2,2 - TETRACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2 - DICHLOROBENZENE (ortho)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2 - DICHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2,3 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2,3 - TRICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2,4 - TRICHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2,4 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,3 - DICHLOROBENZENE (meta)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,3 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,3,5 - TRIMETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1,4 - DICHLOROBENZENE (para)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	1-CHLOROBUTANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	2,2 - DICHLOROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	2-BUTANONE (MEK)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	2-CHLOROETHYL VINYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	2-HEXANONE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	2-NITROPROPANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	4-METHYL-2-PENTANONE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ACETONE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ACROLEIN	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ALLYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	4	BENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	BROMOBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	BROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	BROMODICHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	BROMOFORM	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	BROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CARBON DISULFIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CARBON TETRACHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CHLOROBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CHLOROFORM	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CIS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	CIS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	DIBROMOCHLOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	DIBROMOMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	DICHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	DICHLOROFLUOROMETHANE (FREON-21)	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	DIETHYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ETHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ETHYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	HEXACHLOROBUTADIENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	HEXACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	ISOPROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	M,P- XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHACRYLONITRILE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHYL ACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHYL IODIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHYL METHACRYLATE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHYL TERT-BUTYL ETHER	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	METHYLENE CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	N - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	N - PROPYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	NAPHTHALENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	O - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	O - XYLENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	P - CHLOROTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	P - ISOPROPYLTOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	PENTACHLOROETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	SEC - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	STYRENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TERT - BUTYLBENZENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TETRACHLOROETHYLENE	ND		ug/L	8260D		0-0		MB	TB 25-01077

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Blank

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	4	TETRAHYDROFURAN	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TOLUENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TRANS - 1,2 - DICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TRANS - 1,3 - DICHLOROPROPENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TRANS - 1,4 - DICHLORO-2-BUTENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TRICHLOROETHENE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	TRICHLOROFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	VINYL CHLORIDE	ND		ug/L	8260D		0-0		MB	TB 25-01077
	4	(FREON 22) CHLORODIFLUOROMETHANE	ND		ug/L	8260D		0-0		MB	TB 25-01077
COD_250110	0	CHEMICAL OXYGEN DEMAND	ND		mg/L	SM5220 D		0-3		MB	
NO3NO2_25011(	0	NITRATE-N	ND		mg/L	SM4500-NO3 F		0-0		MB	
	0	NITRITE-N	ND		mg/L	SM4500-NO3 F		0-0		MB	
SIM_250113	0	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	0	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	
	1	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	1	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	1	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	1	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 24-36351
	2	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00289
	2	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00289
	2	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00289
	2	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00289
	3	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00800
	3	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00800
	3	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00800
	3	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-00800
	4	1,2 - DIBROMOETHANE (EDB SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-01077
	4	1,4-DIOXANE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-01077
	4	ACRYLONITRILE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-01077
	4	VINYL CHLORIDE (SIM)	ND		ug/L	8260SIM		0-0		MB	TB 25-01077
tds_250114	0	TOTAL DISSOLVED SOLIDS (TDS)	ND		mg/L	SM2540 C		0-3		MB	
TOC_250110A3	0	TOTAL ORGANIC CARBON	ND		mg/L	SM5310 B		0-0		MB	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	1,1 - DICHLOROETHANE	0.44	0.4	ug/L	8260D	110	50-150		MDL	
	0	1,1 - DICHLOROETHYLENE	0.42	0.4	ug/L	8260D	105	50-150		MDL	
	0	1,1 - DICHLOROPROPENE	0.26	0.4	ug/L	8260D	65	50-150		MDL	
	0	1,1,1 - TRICHLOROETHANE	0.48	0.4	ug/L	8260D	120	50-150		MDL	
	0	1,1,1,2 - TETRACHLOROETHANE	0.45	0.4	ug/L	8260D	113	50-150		MDL	
	0	1,1,2 - TRICHLOROETHANE	0.47	0.4	ug/L	8260D	118	50-150		MDL	
	0	1,1,2,2 - TETRACHLOROETHANE	0.40	0.4	ug/L	8260D	100	50-150		MDL	
	0	1,2 - DICHLOROBENZENE (ortho)	0.43	0.4	ug/L	8260D	108	50-150		MDL	
	0	1,2 - DICHLOROETHANE	0.50	0.4	ug/L	8260D	125	50-150		MDL	
	0	1,2 - DICHLOROPROPANE	0.39	0.4	ug/L	8260D	98	50-150		MDL	
	0	1,2,3 - TRICHLOROBENZENE	0.23	0.4	ug/L	8260D	58	50-150		MDL	
	0	1,2,3 - TRICHLOROPROPANE	0.39	0.4	ug/L	8260D	98	50-150		MDL	
	0	1,2,4 - TRICHLOROBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	1,2,4 - TRIMETHYLBENZENE	0.27	0.4	ug/L	8260D	68	50-150		MDL	
	0	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	0.40	0.4	ug/L	8260D	100	50-150		MDL	
	0	1,3 - DICHLOROBENZENE (meta)	0.36	0.4	ug/L	8260D	90	50-150		MDL	
	0	1,3 - DICHLOROPROPANE	0.40	0.4	ug/L	8260D	100	50-150		MDL	
	0	1,3,5 - TRIMETHYLBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	1,4 - DICHLOROBENZENE (para)	0.42	0.4	ug/L	8260D	105	50-150		MDL	
	0	2,2 - DICHLOROPROPANE	0.50	0.4	ug/L	8260D	125	50-150		MDL	
	0	BENZENE	0.38	0.4	ug/L	8260D	95	50-150		MDL	
	0	BROMOBENZENE	0.30	0.4	ug/L	8260D	75	50-150		MDL	
	0	BROMOCHLOROMETHANE	0.45	0.4	ug/L	8260D	113	50-150		MDL	
	0	BROMODICHLOROMETHANE	0.48	0.4	ug/L	8260D	120	50-150		MDL	
	0	BROMOFORM	0.37	0.4	ug/L	8260D	93	50-150		MDL	
	0	BROMOMETHANE	0.42	0.4	ug/L	8260D	105	50-150		MDL	
	0	CARBON TETRACHLORIDE	0.52	0.4	ug/L	8260D	130	50-150		MDL	
	0	CHLOROBENZENE	0.42	0.4	ug/L	8260D	105	50-150		MDL	
	0	CHLOROETHANE	0.47	0.4	ug/L	8260D	118	50-150		MDL	
	0	CHLOROFORM	0.51	0.4	ug/L	8260D	128	50-150		MDL	
	0	CHLOROMETHANE	0.45	0.4	ug/L	8260D	113	50-150		MDL	
	0	CIS - 1,2 - DICHLOROETHENE	0.33	0.4	ug/L	8260D	83	50-150		MDL	
	0	CIS - 1,3 - DICHLOROPROPENE	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	DIBROMOCHLOROMETHANE	0.47	0.4	ug/L	8260D	118	50-150		MDL	
	0	DIBROMOMETHANE	0.48	0.4	ug/L	8260D	120	50-150		MDL	
	0	DICHLORODIFLUOROMETHANE	0.51	0.4	ug/L	8260D	128	50-150		MDL	
	0	ETHYLBENZENE	0.26	0.4	ug/L	8260D	65	50-150		MDL	
	0	HEXACHLOROBUTADIENE	0.40	0.4	ug/L	8260D	100	50-150		MDL	
	0	ISOPROPYLBENZENE	0.22	0.4	ug/L	8260D	55	50-150		MDL	
	0	M,P- XYLENE	0.51	0.8	ug/L	8260D	64	50-150		MDL	
	0	METHYL TERT-BUTYL ETHER	0.31	0.4	ug/L	8260D	78	50-150		MDL	
	0	METHYLENE CHLORIDE	0.40	0.4	ug/L	8260D	100	50-150		MDL	
	0	N - BUTYLBENZENE	0.26	0.4	ug/L	8260D	65	50-150		MDL	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Method Detection Limit Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
8260W_250115	0	N - PROPYLBENZENE	0.24	0.4	ug/L	8260D	60	50-150		MDL	
	0	NAPHTHALENE	0.22	0.4	ug/L	8260D	55	50-150		MDL	
	0	O - CHLOROTOLUENE	0.28	0.4	ug/L	8260D	70	50-150		MDL	
	0	O - XYLENE	0.23	0.4	ug/L	8260D	58	50-150		MDL	
	0	P - CHLOROTOLUENE	0.32	0.4	ug/L	8260D	80	50-150		MDL	
	0	P - ISOPROPYLTOLUENE	0.27	0.4	ug/L	8260D	68	50-150		MDL	
	0	SEC - BUTYLBENZENE	0.28	0.4	ug/L	8260D	70	50-150		MDL	
	0	STYRENE	0.25	0.4	ug/L	8260D	63	50-150		MDL	
	0	TERT - BUTYLBENZENE	0.22	0.4	ug/L	8260D	55	50-150		MDL	
	0	TETRACHLOROETHYLENE	0.42	0.4	ug/L	8260D	105	50-150		MDL	
	0	TOLUENE	0.41	0.4	ug/L	8260D	103	50-150		MDL	
	0	TRANS - 1,2 - DICHLOROETHENE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	TRANS - 1,3 - DICHLOROPROPENE	0.35	0.4	ug/L	8260D	88	50-150		MDL	
	0	TRICHLOROETHENE	0.43	0.4	ug/L	8260D	108	50-150		MDL	
	0	TRICHLOROFLUOROMETHANE	0.54	0.4	ug/L	8260D	135	50-150		MDL	
	0	VINYL CHLORIDE	0.41	0.4	ug/L	8260D	103	50-150		MDL	
SIM_250113	0	1,2 - DIBROMOETHANE (EDB SIM)	0.0100	0.01	ug/L	8260SIM	100	50-150		MDL	
	0	1,4-DIOXANE (SIM)	4.9	5	ug/L	8260SIM	98	50-150		MDL	
	0	ACRYLONITRILE (SIM)	0.0121	0.01	ug/L	8260SIM	121	50-150		MDL	
	0	VINYL CHLORIDE (SIM)	0.0091	0.01	ug/L	8260SIM	91	50-150		MDL	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **25-00800**
Report Date: 01/31/25

Quality Control Sample

Batch		Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
200.7_250113C5	0	IRON, Dissolved	2.06	2	mg/L	200.7	103	95-105		QCS	
	0	MANGANESE, Dissolved	2.04	2	mg/L	200.7	102	95-105		QCS	
200.7_250113F5	0	IRON	2.06	2	mg/L	200.7	103	95-105		QCS	
	0	MANGANESE	2.04	2	mg/L	200.7	102	95-105		QCS	
	1	CALCIUM	20.2	20	mg/L	200.7	101	95-105		QCS	
	1	MAGNESIUM	19.9	20	mg/L	200.7	100	95-105		QCS	
	1	POTASSIUM	20.6	20	mg/L	200.7	103	95-105		QCS	
	1	SODIUM	20.9	20	mg/L	200.7	105	95-105		QCS	
200.8_250120A5	0	ARSENIC	0.019	0.02	mg/L	200.8	95	90-110		QCS	
200.8_250122B4	0	ARSENIC, Dissolved	0.0192	0.02	mg/L	200.8	96	90-110		QCS	
	0	BARIUM, Dissolved	0.0187	0.02	mg/L	200.8	94	90-110		QCS	
	0	CADMIUM, Dissolved	0.0185	0.02	mg/L	200.8	93	90-110		QCS	
	0	CHROMIUM, Dissolved	0.019	0.02	mg/L	200.8	95	90-110		QCS	
	0	COBALT, Dissolved	0.019	0.02	mg/L	200.8	95	90-110		QCS	
	0	COPPER, Dissolved	0.0196	0.02	mg/L	200.8	98	90-110		QCS	
	0	LEAD, Dissolved	0.0182	0.02	mg/L	200.8	91	90-110		QCS	
	0	NICKEL, Dissolved	0.0197	0.02	mg/L	200.8	99	90-110		QCS	
	0	VANADIUM, Dissolved	0.0184	0.02	mg/L	200.8	92	90-110		QCS	
	0	ZINC, Dissolved	0.0193	0.02	mg/L	200.8	97	90-110		QCS	
	0	ANTIMONY, Dissolved	0.0188	0.02	mg/L	200.8	94	90-110		QCS	
	0	SELENIUM, Dissolved	0.0193	0.02	mg/L	200.8	97	90-110		QCS	
245.1_250120A	0	MERCURY, Dissolved	0.00261	0.00254	mg/L	245.1	103	90-110		QCS	
350.1_250122C	0	AMMONIA-N	2.47	2.5	mg/L	350.1	99	85-115		QCS	
ALK_250115	0	ALKALINITY	100	100	mg CaCO3/L	SM2320 B	100	90-110		QCS	
COD_250110	0	CHEMICAL OXYGEN DEMAND	299	284	mg/L	SM5220 D	105	90-110		QCS	
IC05_250109A	0	CHLORIDE	6.4	6	mg/L	300.0	107	90-110		QCS	
	0	SULFATE	32.3	30	mg/L	300.0	108	90-110		QCS	
NO3NO2_25011(	0	NITRATE-N	1.06	1.00	mg/L	SM4500-NO3 F	106	90-110		QCS	
	0	NITRITE-N	0.951	1.00	mg/L	SM4500-NO3 F	95	90-110		QCS	
tds_250114	0	TOTAL DISSOLVED SOLIDS (TDS)	500	500	mg/L	SM2540 C	100	80-120		QCS	
	0	TOTAL DISSOLVED SOLIDS (TDS)	512	500	mg/L	SM2540 C	102	80-120		QCS	
TOC_250110A3	0	TOTAL ORGANIC CARBON	3.56	3.61	mg/L	SM5310 B	99	90-110		QCS	

*Notation:
% Recovery = (Result of Analysis)/(True Value) * 100
NA = Indicates % Recovery could not be calculated.
Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **25-00800**
Report Date: 1/31/2025

Duplicate

Batch/CAS	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Comments
200.7_250113C5									
7439-89-6	1014	IRON, Dissolved	0.15	0.15	mg/L	**0.0**	0-20		
7439-89-6	1411	IRON, Dissolved	ND	ND	mg/L	**NA**	0-20		
200.7_250113F5									
7439-89-6	932	IRON	0.13	0.12	mg/L	**8.0**	0-20		
7439-96-5	932	MANGANESE	0.0246	0.0238	mg/L	**3.3**	0-20		
200.8_250122B4									
7440-43-9	1570	CADMIUM, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-50-8	1570	COPPER, Dissolved	ND	ND	mg/L	**NA**	0-20		
7439-92-1	1570	LEAD, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-02-0	1570	NICKEL, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-66-6	1570	ZINC, Dissolved	ND	ND	mg/L	**NA**	0-20		
7440-38-2	3938	ARSENIC, Dissolved	ND	ND	mg/L	**NA**	0-20		
350.1_250122C									
7664-41-7	932	AMMONIA-N	0.02	0.01	mg/L	**66.7**	0-20	INH	
7664-41-7	1723	AMMONIA-N	10.3	10.2	mg/L	**1.0**	0-20		
ALK_250115									
E-14506	562	ALKALINITY	22.1	20.9	mg CaCO3/L	**5.6**	0-20		
E-14506	1290	ALKALINITY	42.1	41.8	mg CaCO3/L	**0.7**	0-20		
COD_250110									
E-10117	1330	CHEMICAL OXYGEN DEMAND	167	169	mg/L	**1.2**	0-20		
E-10117	1639	CHEMICAL OXYGEN DEMAND	ND	ND	mg/L	**NA**	0-20		
E-10117	1785	CHEMICAL OXYGEN DEMAND	ND	ND	mg/L	**NA**	0-20		
IC05_250109A									
16887-00-6	695	CHLORIDE	5.2	5.2	mg/L	**0.0**	0-20		
14808-79-8	695	SULFATE	11.5	11.5	mg/L	**0.0**	0-20		
16887-00-6	1650	CHLORIDE	6.9	6.9	mg/L	**0.0**	0-20		
14808-79-8	1650	SULFATE	7.6	7.6	mg/L	**0.0**	0-20		
NO3NO2_250110									
14797-55-8	1569	NITRATE-N	ND	ND	mg/L	**NA**	0-20		
14797-65-0	1569	NITRITE-N	ND	ND	mg/L	**NA**	0-20		
14797-55-8	1695	NITRATE-N	0.00642	0.00606	mg/L	**5.8**	0-20		
tds_250114									
E-10173	1569	TOTAL DISSOLVED SOLIDS (TDS)	368	282	mg/L	**26.5**	0-5	INH	
TOC_250110A3									
E-10195	359	TOTAL ORGANIC CARBON	ND	ND	mg/L	**NA**	0-20		
E-10195	617	TOTAL ORGANIC CARBON	15.8	15.6	mg/L	**1.3**	0-20		
E-10195	1343	TOTAL ORGANIC CARBON	0.56	0.59	mg/L	**5.2**	0-20		
E-10195	1639	TOTAL ORGANIC CARBON	0.83	0.83	mg/L	**0.0**	0-20		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **25-00800**
Report Date: 1/31/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result		Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
200.7_250113C5															
7439-89-6	1014	IRON, Dissolved	0.15	0.65	0.65		0.50	mg/L	**100**	**100**	70-130	**0.0**	0-20		
7439-89-6	1411	IRON, Dissolved	ND	0.52	0.53		0.50	mg/L	**104**	**106**	70-130	**1.9**	0-20		
200.7_250113F5															
7439-89-6	932	IRON	0.13	0.39			0.25	mg/L	**104**		70-130	**NA**	0-20		
7439-96-5	932	MANGANESE	0.0246	0.280			0.250	mg/L	**102**		70-130	**NA**	0-20		
200.8_250122B4															
7440-43-9	1570	CADMIUM, Dissolved	ND	0.0098			0.01	mg/L	**98**		70-130	**NA**	0-20		
7440-50-8	1570	COPPER, Dissolved	0.0033	0.013			0.01	mg/L	**97**		70-130	**NA**	0-20		
7439-92-1	1570	LEAD, Dissolved	ND	0.0092			0.01	mg/L	**92**		70-130	**NA**	0-20		
7440-02-0	1570	NICKEL, Dissolved	ND	0.01			0.01	mg/L	**100**		70-130	**NA**	0-20		
7440-66-6	1570	ZINC, Dissolved	ND	0.012			0.01	mg/L	**120**		70-130	**NA**	0-20		
7440-38-2	3938	ARSENIC, Dissolved	ND	0.0107			0.01	mg/L	**107**		70-130	**NA**	0-20		
245.1_250120A															
7439-97-6	352	MERCURY, Dissolved	ND	0.00158	0.00160		0.00167	mg/L	**95**	**96**	70-130	**1.3**	0-20		
7439-97-6	1640	MERCURY, Dissolved	ND	0.00158	0.00155		0.00167	mg/L	**95**	**93**	70-130	**1.9**	0-20		
350.1_250122C															
7664-41-7	932	AMMONIA-N	0.02	1.08	1.09		1	mg/L	**106**	**107**	70-130	**0.9**	0-20		
7664-41-7	1723	AMMONIA-N	10.3	11.1	10.4		1	mg/L	**80**	**10**	70-130	**155.6**	0-20	IS	
8260W_250115															
75-34-3	2148	1,1 - DICHLOROETHANE	ND	4.2	4.8		4	ug/L	**105**	**120**	70-130	**13.3**	0-30		
75-35-4	2148	1,1 - DICHLOROETHYLENE	ND	4.5	5.0		4	ug/L	**113**	**125**	70-130	**10.5**	0-30		
563-58-6	2148	1,1 - DICHLOROPROPENE	ND	4.2	4.7		4	ug/L	**105**	**118**	70-130	**11.2**	0-30		
71-55-6	2148	1,1,1 - TRICHLOROETHANE	ND	4.8	5.2		4	ug/L	**120**	**130**	70-130	**8.0**	0-30		
630-20-6	2148	1,1,1,2 - TETRACHLOROETHANE	ND	4.2	4.5		4	ug/L	**105**	**113**	70-130	**6.9**	0-30		
79-00-5	2148	1,1,2 - TRICHLOROETHANE	ND	4.1	4.6		4	ug/L	**103**	**115**	70-130	**11.5**	0-30		
79-34-5	2148	1,1,2,2 - TETRACHLOROETHANE	ND	3.3	3.6		4	ug/L	**83**	**90**	70-130	**8.7**	0-30		
95-50-1	2148	1,2 - DICHLOROBENZENE (ortho)	ND	3.6	3.9		4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
107-06-2	2148	1,2 - DICHLOROETHANE	ND	4.7	5.1		4	ug/L	**118**	**128**	70-130	**8.2**	0-30		
78-87-5	2148	1,2 - DICHLOROPROPANE	ND	4.0	4.4		4	ug/L	**100**	**110**	70-130	**9.5**	0-30		
87-61-6	2148	1,2,3 - TRICHLOROBENZENE	ND	3.1	3.4		4	ug/L	**78**	**85**	70-130	**9.2**	0-30		
96-18-4	2148	1,2,3 - TRICHLOROPROPANE	ND	3.4	3.6		4	ug/L	**85**	**90**	70-130	**5.7**	0-30		
120-82-1	2148	1,2,4 - TRICHLOROBENZENE	ND	2.8	3.2		4	ug/L	**70**	**80**	70-130	**13.3**	0-30		
95-63-6	2148	1,2,4 - TRIMETHYLBENZENE	ND	4.2	4.6		4	ug/L	**105**	**115**	70-130	**9.1**	0-30		
96-12-8	2148	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND	3.4	3.6		4	ug/L	**85**	**90**	70-130	**5.7**	0-30		
541-73-1	2148	1,3 - DICHLOROBENZENE (meta)	ND	3.7	3.9		4	ug/L	**93**	**98**	70-130	**5.3**	0-30		
142-28-9	2148	1,3 - DICHLOROPROPANE	ND	4.1	4.5		4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
108-67-8	2148	1,3,5 - TRIMETHYLBENZENE	ND	3.7	4.1		4	ug/L	**93**	**103**	70-130	**10.3**	0-30		
106-46-7	2148	1,4 - DICHLOROBENZENE (para)	ND	3.6	3.9		4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
594-20-7	2148	2,2 - DICHLOROPROPANE	ND	5.0	5.6	HR	4	ug/L	**125**	**140**	70-130	**11.3**	0-30		
71-43-2	2148	BENZENE	ND	4.1	4.5		4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
108-86-1	2148	BROMOBENZENE	ND	3.3	3.7		4	ug/L	**83**	**93**	70-130	**11.4**	0-30		
74-97-5	2148	BROMOCHLOROMETHANE	ND	4.3	4.7		4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
75-27-4	2148	BROMODICHLOROMETHANE	ND	4.5	4.9		4	ug/L	**113**	**123**	70-130	**8.5**	0-30		
75-25-2	2148	BROMOFORM	ND	3.2	3.5		4	ug/L	**80**	**88**	70-130	**9.0**	0-30		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **25-00800**
Report Date: 1/31/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result		Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
74-83-9	2148	BROMOMETHANE	ND	4.1	4.5		4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
56-23-5	2148	CARBON TETRACHLORIDE	ND	5.4	5.9		4	ug/L	**135**	**148**	70-130	**8.8**	0-30	HR	
108-90-7	2148	CHLOROBENZENE	ND	4.0	4.3		4	ug/L	**100**	**108**	70-130	**7.2**	0-30		
75-00-3	2148	CHLOROETHANE	ND	4.0	4.5		4	ug/L	**100**	**113**	70-130	**11.8**	0-30		
67-66-3	2148	CHLOROFORM	ND	4.7	5.2		4	ug/L	**118**	**130**	70-130	**10.1**	0-30		
74-87-3	2148	CHLOROMETHANE	ND	3.8	4.0		4	ug/L	**95**	**100**	70-130	**5.1**	0-30		
156-59-2	2148	CIS - 1,2 - DICHLOROETHENE	ND	3.9	4.5		4	ug/L	**98**	**113**	70-130	**14.3**	0-30		
10061-01-5	2148	CIS - 1,3 - DICHLOROPROPENE	ND	3.7	4.3		4	ug/L	**93**	**108**	70-130	**15.0**	0-30		
124-48-1	2148	DIBROMOCHLOROMETHANE	ND	4.4	4.7		4	ug/L	**110**	**118**	70-130	**6.6**	0-30		
74-95-3	2148	DIBROMOMETHANE	ND	4.4	4.7		4	ug/L	**110**	**118**	70-130	**6.6**	0-30		
75-71-8	2148	DICHLORODIFLUOROMETHANE	ND	3.9	4.3		4	ug/L	**98**	**108**	70-130	**9.8**	0-30		
100-41-4	2148	ETHYLBENZENE	ND	3.6	3.9		4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
87-68-3	2148	HEXACHLOROBUTADIENE	ND	3.8	4.1		4	ug/L	**95**	**103**	70-130	**7.6**	0-30		
98-82-8	2148	ISOPROPYLBENZENE	ND	3.7	4.1		4	ug/L	**93**	**103**	70-130	**10.3**	0-30		
179601-23-1	2148	M,P- XYLENE	ND	7.2	7.8		8	ug/L	**90**	**98**	70-130	**8.0**	0-30		
1634-04-4	2148	METHYL TERT-BUTYL ETHER	ND	3.9	4.6		4	ug/L	**98**	**115**	70-130	**16.5**	0-30		
75-09-2	2148	METHYLENE CHLORIDE	ND	4.1	4.5		4	ug/L	**103**	**113**	70-130	**9.3**	0-30		
104-51-8	2148	N - BUTYLBENZENE	ND	3.7	4.1		4	ug/L	**93**	**103**	70-130	**10.3**	0-30		
103-65-1	2148	N - PROPYLBENZENE	ND	3.9	4.3		4	ug/L	**98**	**108**	70-130	**9.8**	0-30		
91-20-3	2148	NAPHTHALENE	ND	3.0	3.5		4	ug/L	**75**	**88**	70-130	**15.4**	0-30		
95-49-8	2148	O - CHLOROTOLUENE	ND	3.6	4.0		4	ug/L	**90**	**100**	70-130	**10.5**	0-30		
95-47-6	2148	O - XYLENE	ND	3.6	3.9		4	ug/L	**90**	**98**	70-130	**8.0**	0-30		
106-43-4	2148	P - CHLOROTOLUENE	ND	3.7	4.0		4	ug/L	**93**	**100**	70-130	**7.8**	0-30		
99-87-6	2148	P - ISOPROPYLTOLUENE	ND	4.4	4.7		4	ug/L	**110**	**118**	70-130	**6.6**	0-30		
135-98-8	2148	SEC - BUTYLBENZENE	ND	4.2	4.6		4	ug/L	**105**	**115**	70-130	**9.1**	0-30		
100-42-5	2148	STYRENE	ND	3.9	4.2		4	ug/L	**98**	**105**	70-130	**7.4**	0-30		
98-06-6	2148	TERT - BUTYLBENZENE	ND	3.7	4.1		4	ug/L	**93**	**103**	70-130	**10.3**	0-30		
127-18-4	2148	TETRACHLOROETHYLENE	ND	4.3	4.7		4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
108-88-3	2148	TOLUENE	ND	4.3	4.7		4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
156-60-5	2148	TRANS - 1,2 - DICHLOROETHENE	ND	4.2	4.6		4	ug/L	**105**	**115**	70-130	**9.1**	0-30		
10061-02-6	2148	TRANS - 1,3 - DICHLOROPROPENE	ND	3.8	4.3		4	ug/L	**95**	**108**	70-130	**12.3**	0-30		
79-01-6	2148	TRICHLOROETHENE	ND	4.3	4.7		4	ug/L	**108**	**118**	70-130	**8.9**	0-30		
75-69-4	2148	TRICHLOROFLUOROMETHANE	ND	5.1	5.5	HR	4	ug/L	**128**	**138**	70-130	**7.5**	0-30		
75-01-4	2148	VINYL CHLORIDE	ND	3.8	4.1		4	ug/L	**95**	**103**	70-130	**7.6**	0-30		
COD_250110															
E-10117	1330	CHEMICAL OXYGEN DEMAND	167	210	211		50	mg/L	**86**	**88**	70-130	**2.3**	0-20		
E-10117	1639	CHEMICAL OXYGEN DEMAND	4	55	54		50	mg/L	**102**	**100**	70-130	**2.0**	0-20		
E-10117	1785	CHEMICAL OXYGEN DEMAND	15	66	63		50	mg/L	**102**	**96**	70-130	**6.1**	0-20		
IC05_250109A															
16887-00-6	695	CHLORIDE	5.2	26.0			20	mg/L	**104**		90-110	**NA**	0-20		
14808-79-8	695	SULFATE	11.5	32.6			20	mg/L	**106**		90-110	**NA**	0-20		
16887-00-6	1650	CHLORIDE	6.9	7.9			1	mg/L	**100**		90-110	**NA**	0-20		
14808-79-8	1650	SULFATE	7.6	9.6			2	mg/L	**100**		90-110	**NA**	0-20		
NO3NO2_250110															
14797-55-8	1569	NITRATE-N	ND	0.533	0.537		0.50	mg/L	**107**	**107**	80-120	**0.7**	0-20		

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SAMPLE DEPENDENT
QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: **25-00800**
Report Date: 1/31/2025

Laboratory Fortified Matrix (MS)

Batch/CAS	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits*	%RPD	Limits*	QC Qualifier	Comments
14797-65-0	1569	NITRITE-N	ND	0.477	0.483	0.50	mg/L	**95**	**97**	80-120	**1.3**	0-20		
14797-55-8	1695	NITRATE-N	0.00642	0.541	0.540	0.50	mg/L	**107**	**107**	80-120	**0.2**	0-20		
SIM_250113														
106-93-4	2148	1,2 - DIBROMOETHANE (EDB SIM)	ND	0.111	0.119	0.1	ug/L	**111**	**119**	70-130	**7.0**	0-30		
123-91-1	2148	1,4-DIOXANE (SIM)	ND	11.7	12.2	10	ug/L	**117**	**122**	70-130	**4.2**	0-30		
107-13-1	2148	ACRYLONITRILE (SIM)	ND	0.106	0.116	0.1	ug/L	**106**	**116**	70-130	**9.0**	0-30		
75-01-4	2148	VINYL CHLORIDE (SIM)	ND	0.125	0.129	0.1	ug/L	**125**	**129**	70-130	**3.1**	0-30		
TOC_250110A3														
E-10195	359	TOTAL ORGANIC CARBON	ND	3.83		4	mg/L	**96**		70-130	**NA**	0-20		
E-10195	617	TOTAL ORGANIC CARBON	15.8	19.5		4	mg/L	**93**		70-130	**NA**	0-20		
E-10195	1343	TOTAL ORGANIC CARBON	0.56	4.52		4	mg/L	**99**		70-130	**NA**	0-20		
E-10195	1639	TOTAL ORGANIC CARBON	0.83	4.75		4	mg/L	**98**		70-130	**NA**	0-20		

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

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QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 25-00800
Report Date: 01/31/25

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8260W_250115						
1569	1,2 - DICHLOROETHANE-d4 (SURR)	122		%	8260D	
	1,4 - DIFLUOROBENZENE-d4 (Surr)	122		%		
	4-BROMOFLUOROBENZENE (Surr)	82		%		
	d8-TOLUENE (Surr)	108		%		Acceptance Range: 50-150%
SIM_250113						
1569	d8-TOLUENE (Surr)	96		%	8260SIM	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a meA surrogate is a pure compound added to a sample in the la

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Qualifier Definitions

Reference Number: 25-00800
Report Date: 01/31/25

Qualifier	Definition
AH	Result was high for this analyte in the end standard, indicating an increase in detector response. No detection of this analyte was found in samples, therefore no further action taken.
HR	High QCS recovery due to increased detector response No sample dectections, therefore, no further action taken for this analysis set.
IM	Matrix induced bias assumed
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the MRL. No sample detections so no further action for this analysis batch.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

INVOICE

Client No: SKA02

Client: SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273

Attn: Ms. Meghan MacMullen

Please include Invoice # with payment

Invoice #: **25-00800**
Date: January 31, 2025
Project: Landfill Package - Inman #2
Date Received: January 09, 2025
Purchase Order: Landfill Pkg - Inman #2

Item	Lab Sample Number	Client Sample Number and Description	Type of Analysis	Turnaround	Extended Cost
1	1569.00	3339 - Inman LF	Volatile Organic Compounds GC/MS	Standard	$535.00
2	1569.01	3339 - Inman LF	Volatile Organic Compounds By SIM for Vir	Standard	
3	1569.02	3339 - Inman LF	Total Organic Carbon	Standard	
4	1569.03	3339 - Inman LF	Dissolved Metals	Standard	
5	1569.04	3339 - Inman LF	Ammonia	Standard	
6	1569.05	3339 - Inman LF	Chemical Oxygen Demand	Standard	
7	1569.06	3339 - Inman LF	Ion Chromatography-Anions	Standard	
8	1569.07	3339 - Inman LF	Total Dissolved Solids	Standard	
9	1569.08	3339 - Inman LF	ALKALINITY	Standard	
10	1569.09	3339 - Inman LF	Total Metals in Water	Standard	

Grand Total: $535.00
Amount Paid: $0.00
Amount Due (US Dollars): **$535.00**

Thank You for Your Business

Please pay to corporate office by March 2, 2025 to avoid a 1.5% per month finance charge.

Please Detach Here ^ and return this portion with your payment

Invoice #: **25-00800**
Amount Due: $535.00 in USD

SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273
SKA02

NEW Please Remit To:
Eurofins Environment Testing Northwest, LLC
PO BOX 1451, Carol Stream, IL 60132-1451
If paying by ACH, send remittance to: CUS033AR@nsc.eurofinsus.com

OR you can pay online at:
https://smartpay.profitstars.com/express/CUS033EETNW

Chain of Custody / Analysis Request

Lab Ref # **25-00800** 1569

Page _____ of _____

Report to:	Skagit County Public Works	Bill to:	
Address:	1800 Continental Place	Address:	
City:	Mount Vernor St: WA Zip: 98273	City: St: Zip:	
Attn:	John Rapp	Attn: P.O.#:	
Phone:	360.416-1400	Phone:	
Email:	johnr@co.skagit.wa.us;meghanm@co.skagit.wa.us	Email:	
Project	Inman	Card#: Expires /	

Client Code: **SKA02**

Check Regulatory Program
- ☐ Safe Drinking Water Act
- ☐ Clean Water Act
- ☐ RCRA / CERCLA
- ☐ Other

EDGE ANALYTICAL
Main Lab (800-755-9295) 1620 South Walnut St. Burlington, WA 98233
Microbiology (888-725-1212) 805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Portland Lab (503-682-7802) 9150 SW Pioneer Ct. Suite W Wilsonville, OR 97070
Corvallis Lab (541-753-4946) 1100 NE Circle Blvd, Ste 130, Corvallis, OR 97330
Bend Lab (541-639-8425) 20332 Empire Ave Ste F4, Bend, OR 97703

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. List each metal individually
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.
6. (*NEW*) Report to __ MDL or __ PQL (*NEW*)

Turn Around Time Required
- ☒ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Req.)

Analyses Requested

CO049604

	Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	Field Blank (8260 SIM)	Field Blank (8260)	Landfill Package - Inman SCPW	MSMSD/8260	MSMSD/SIMS	Total metals As, Fe, Mn			Number of Containers	Special Instructions Conditions on Receipt
1	3339	Inman LF	Grab	W	1/9/25	12:15	☒	☒	☒	☒	☒	☐	☐	☐		
2							☐	☐	☐	☐	☐	☐	☐	☐		
3							☐	☐	☐	☐	☐	☐	☐	☐		
4							☐	☐	☐	☐	☐	☐	☐	☐		
5							☐	☐	☐	☐	☐	☐	☐	☐		
6							☐	☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐	☐		

****Are there known hazardous or dangerous wastes in these samples? YES / NO If YES, indicate type on reverse of this form; samples may be returned to you.**

Total Containers

Sampled by: Russell Thompson Phone: FAX: Email:

Sample Receipt Request (Must include Email) ☒

* **W** - water **SW** - surface water **WW** - waste water **SL** - salt water
DW - drinking water **ST** - storm water **S** - soil **OL** - oil Other:

**Relinquished by	Date	Time	Received by	Date	Time
Russell Thompson	1/9/25	14:40	[illegible] RECEIVED	1/9/25	1441

	Yes	No	N/A
Custody seals intact	☐	☐	☑
Sample temp 9.6 C satisfactory	☐	☐	☐
Samples received intact	☐	☐	
Chain of custody & labels agree	☐	☐	

FORM: COC Rev 2-2-21