



Spokane County

PUBLIC WORKS

December 11, 2024

Washington Department of Ecology
Attn: Sandra Treccani
4601 N. Monroe St., Suite 202
Spokane, WA 99205-1295

RE: Mica Landfill Annual Progress Report 2024

Dear Sandra,

Enclosed you will find one copy of the Mica Landfill September 2024 Annual Progress Report.

If you have comments or questions, please call me at (406) 370-3271.

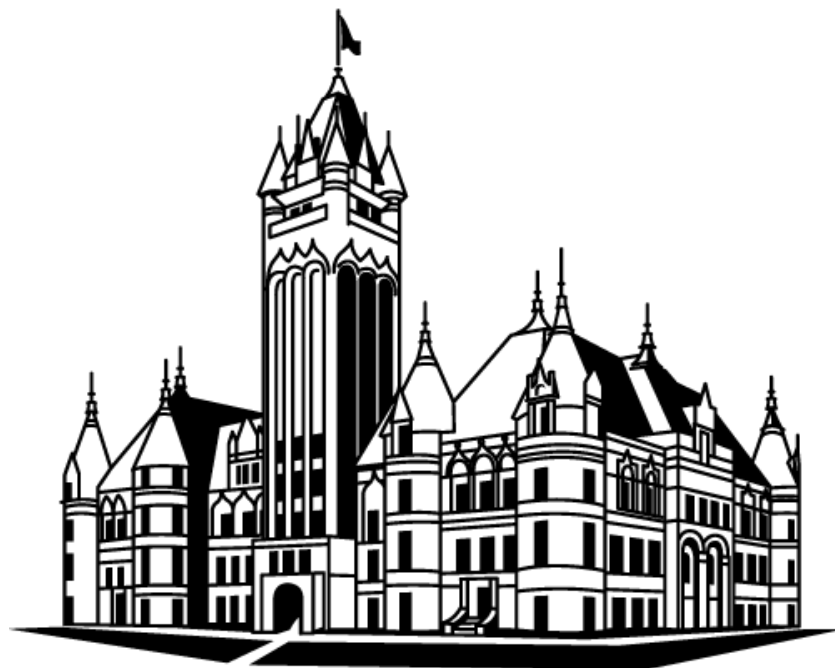
Sincerely,

A handwritten signature in blue ink that reads "Austin Stewart". The signature is written in a cursive, flowing style.

Austin Stewart
PW Project Manager

Enc.

Mica Landfill Annual Remedial Action Performance Report
September 2024



Spokane County
WASHINGTON

Table of Contents

1	INTRODUCTION	1-1
1.1	MICA LANDFILL INFORMATION SUMMARY.....	1-2
	<i>Mica Landfill Site Map</i>	<i>1-4</i>
	<i>Mica Landfill RA Compliance Monitoring Wells.....</i>	<i>1-5</i>
	<i>Mica Landfill Sampling Schedule</i>	<i>1-6</i>
2	GROUNDWATER	2-1
2.1	GROUNDWATER DATA/SUMMARIES.....	2-2
	<i>PROBLEMS/ DEVIATIONS.....</i>	<i>2-2</i>
	<i>FIELD DATA</i>	<i>2-2</i>
	<i>CRITERIA EXCEEDANCES</i>	<i>2-2</i>
	<i>CHEMICAL DATA AND STATISTICAL TRENDS.....</i>	<i>2-3</i>
	<i>MICA LANDFILL DATA SUMMARY.....</i>	<i>2-4</i>
	<i>Mica Landfill Field Parameters</i>	<i>2-7</i>
	<i>Hydrographs/Groundwater Flow Contours</i>	<i>2-9</i>
	<i>Groundwater Elevation Contours – September 2024</i>	<i>2-11</i>
	<i>Criteria Exceedances</i>	<i>2-12</i>
	<i>Mica Landfill Volatile Organic Detections.....</i>	<i>2-14</i>
	<i>Mica Landfill Semi-Volatile Organic Detections.....</i>	<i>2-14</i>
	<i>Mica Landfill Inorganic Detections</i>	<i>2-15</i>
	<i>Mica Landfill Conventional Detections</i>	<i>2-16</i>
	<i>VOC detections/exceedance maps – 1,2-Dichloroethane.....</i>	<i>2-17</i>
	<i>Inorganics detections/exceedance maps – Arsenic</i>	<i>2-22</i>
	<i>Conventionals detections/exceedance maps – Nitrate</i>	<i>2-25</i>
	<i>Mica Landfill Trend Analysis – 2024.....</i>	<i>2-26</i>
	<i>NW Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs</i>	<i>2-28</i>
	<i>NW Drainage Monitoring Wells: Inorganics Time Series Graphs.....</i>	<i>2-30</i>
	<i>NW Drainage Monitoring Wells: Conventionals Time Series Graphs</i>	<i>2-32</i>
	<i>SW Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs</i>	<i>2-37</i>
	<i>SW Drainage Monitoring Wells: Inorganics Time Series Graphs.....</i>	<i>2-41</i>
	<i>SW Drainage Monitoring Wells: Conventionals Time Series Graphs.....</i>	<i>2-43</i>
	<i>SW MW-16 Monitoring Wells: VOCs/SVOCs Time Series Graphs.....</i>	<i>2-47</i>
	<i>SW MW-16 Monitoring Wells: Inorganics Time Series Graphs</i>	<i>2-51</i>
	<i>SW MW-16 Monitoring Wells: Conventionals Time Series Graphs.....</i>	<i>2-53</i>
	<i>South Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs</i>	<i>2-57</i>
	<i>South Drainage Monitoring Wells: Inorganics Time Series Graphs.....</i>	<i>2-61</i>
	<i>South Drainage Monitoring Wells: Conventionals Time Series Graphs</i>	<i>2-63</i>
	<i>SE Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs.....</i>	<i>2-68</i>

<i>SE Drainage Monitoring Wells: Inorganics Time Series Graphs</i>	2-70
<i>SE Drainage Monitoring Wells: Conventional Time Series Graphs</i>	2-72
<i>Domestic Wells: VOCs/SVOCs Time Series Graphs</i>	2-75
<i>Domestic Wells: Inorganics Time Series Graphs</i>	2-76
<i>Domestic Wells: Conventional Time Series Graphs.....</i>	2-78
3 LEACHATE.....	3-1
3.1 LEACHATE DATA	3-2
LEACHATE PRODUCTION.....	3-2
4 LANDFILL GAS.....	4-1
FLARE STATIONS.....	4-3
GAS PROBES	4-3
MICA FLARE STATION SUMMARY	4-4
5 MICA LANDFILL SETTLEMENT DATA.....	5-5
5.1 MICA LANDFILL SETTLEMENT INFORMATION.....	5-6
APPENDIX A - LABORATORY RESULTS	A
APPENDIX B - DATA SUMMARY ANALYSIS	B
APPENDIX C - DATA VALIDATION.....	C
APPENDIX D - LANDFILL GAS PROBE MEASUREMENTS	D

Tables

<i>Table 1-1: Mica Landfill Summary of Indicator Analytes and Cleanup Levels</i>	1-3
<i>Table 1-2: Mica Landfill Summary of RA Compliance Monitoring Wells</i>	1-5
<i>Table 1-3: Mica Landfill Sampling Schedule</i>	1-6
<i>Table 2-1: Mica Landfill Field Parameters Summary</i>	2-7
<i>Table 2-2: Sen's Slope Trend Analysis – Groundwater Elevations (99% Confidence Level)</i>	2-10
<i>Table 2-3: Mica Landfill Analyte Criteria Exceedances</i>	2-12
<i>Table 2-4: Mica Landfill VOC Detections for the Reporting Period (ug/L).....</i>	2-14
<i>Table 2-5: Mica Landfill SVOC Detections for the Reporting Period (ug/L)</i>	2-14
<i>Table 2-6: Inorganics Detections for the Reporting Period (mg/L)</i>	2-15
<i>Table 2-7: Conventional Detections for the Reporting Period (mg/L)</i>	2-16
<i>Table 2-8: Mica Landfill Trend Analysis</i>	2-26
<i>Table 3-1: Leachate Production Summary for the Reporting Period</i>	3-5
<i>Table 4-1: Annual Summary of Mica Landfill Flare Stations</i>	4-4
<i>Table 5-1: Summary of Survey Measurement Differences</i>	5-6

Figures

Figure 1-1: Mica Landfill Site Map	1-4
Figure 2-1: Domestic Wells Groundwater Elevation vs. Time	2-9
Figure 2-2: South Drainage Groundwater Elevations vs. Time	2-9
Figure 2-3: Southeast Drainage Groundwater Elevations vs. Time	2-9
Figure 2-4: Northwest Drainage Groundwater Elevations vs. Time	2-10
Figure 2-5: Southwest Drainage Groundwater Elevations vs. Time	2-10
Figure 2-6: Mica Landfill Groundwater Elevation Contours.....	2-11
Figure 2-7: 1,2-Dichloroethane detections/exceedance map.....	2-17
Figure 2-8: 1,2-Dichloropropane detections/exceedance map	2-18
Figure 2-9: Acetone detections/exceedance map	2-19
Figure 2-10: Benzene detections/exceedance map	2-20
Figure 2-11: Vinyl chloride detections/exceedance map.....	2-21
Figure 2-12: Arsenic detections/exceedance map	2-22
Figure 2-13: Barium detections/exceedance map.....	2-23
Figure 2-14: Lead detections/exceedance map	2-24
Figure 2-15: Nitrate detections/exceedance map.....	2-25
Figure 2-16: NW Wells – VOCs / SVOCs Concentration Graphs	2-28
Figure 2-17: NW Wells – VOCs / SVOCs Concentration Graphs (cont.)	2-29
Figure 2-18: NW Wells – Inorganics Concentration Graphs	2-30
Figure 2-19: NW Wells – Inorganics Concentration Graphs (cont.)	2-31
Figure 2-20: NW Wells – Conventional Concentration Graphs	2-32
Figure 2-21: NW Wells – Conventional Concentration Graphs (cont.)	2-33
Figure 2-22: NW Wells – Conventional Concentration Graphs (cont.)	2-34
Figure 2-23: SW Wells – VOCs / SVOCs Concentration Graphs	2-37
Figure 2-24: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)	2-38
Figure 2-25: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)	2-38
Figure 2-26: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)	2-40
Figure 2-27: SW Wells – Inorganics Concentration Graphs	2-41
Figure 2-28: SW Wells – Inorganics Concentration Graphs (cont.)	2-42
Figure 2-29: SW Wells – Conventional Concentration Graphs	2-43
Figure 2-30: SW Wells – Conventional Concentration Graphs (cont.)	2-44
Figure 2-31: SW Wells – Conventional Concentration Graphs (cont.)	2-45
Figure 2-32: MW-016 VOCs / SVOCs Concentration Graphs	2-47
Figure 2-33: MW-016 VOCs / SVOCs Concentration Graphs (cont.)	2-48
Figure 2-34: MW-016 VOCs / SVOCs Concentration Graphs (cont.)	2-49

<i>Figure 2-35: MW-016 VOCs / SVOCs Concentration Graphs (cont.)</i>	2-50
<i>Figure 2-36: MW-016 Inorganics Concentration Graphs</i>	2-51
<i>Figure 2-37: MW-016 Inorganics Concentration Graphs (cont.)</i>	2-52
<i>Figure 2-38: MW-016 Conventional Concentration Graphs</i>	2-53
<i>Figure 2-39: MW-016 Conventional Concentration Graphs (cont.)</i>	2-54
<i>Figure 2-40: MW-016 Conventional Concentration Graphs</i>	2-55
<i>Figure 2-41: South Wells VOCs / SVOCs Concentration Graphs</i>	2-57
<i>Figure 2-42: South Wells VOCs / SVOCs Concentration Graphs</i>	2-58
<i>Figure 2-43: South Wells VOCs / SVOCs Concentration Graphs (cont.)</i>	2-59
<i>Figure 2-44: South Wells VOCs / SVOCs Concentration Graphs (cont.)</i>	2-60
<i>Figure 2-45: South Wells Inorganics Concentration Graphs</i>	2-61
<i>Figure 2-46: South Wells Inorganics Concentration Graphs (cont.)</i>	2-62
<i>Figure 2-47: South Wells Conventional Concentration Graphs</i>	2-63
<i>Figure 2-48: South Wells Conventional Concentration Graphs (cont.)</i>	2-63
<i>Figure 2-49: South Wells – Conventional Concentration Graphs (cont.)</i>	2-65
<i>Figure 2-50: Southeast Wells VOCs / SVOCs Concentration Graphs</i>	2-68
<i>Figure 2-51: Southeast Wells VOCs / SVOCs Concentration Graphs</i>	2-69
<i>Figure 2-52: SE Wells Inorganics Concentration Graphs</i>	2-70
<i>Figure 2-53: SE Wells Inorganics Concentration Graphs (cont.)</i>	2-71
<i>Figure 2-54: SE Wells Conventional Concentration Graphs</i>	2-72
<i>Figure 2-55: SE Wells Conventional Concentration Graphs (cont.)</i>	2-73
<i>Figure 2-56: Domestic Wells VOCs / SVOCs Concentration Graphs</i>	2-75
<i>Figure 2-57: Domestic Wells Inorganics Concentration Graphs (cont.)</i>	2-76
<i>Figure 2-58: Domestic Wells Inorganics Concentration Graphs (cont.)</i>	2-77
<i>Figure 2-59: Domestic Wells Conventional Concentration Graphs</i>	2-78
<i>Figure 2-60: Domestic Wells Conventional Concentration Graphs (cont.)</i>	2-78
<i>Figure 3-1: Leachate Piezometers Groundwater Elevations vs. Time</i>	3-3
<i>Figure 3-2: LP-1 Groundwater Elevations vs. Time</i>	3-3
<i>Figure 3-3: LP-2 Groundwater Elevations vs. Time</i>	3-3
<i>Figure 3-4: LP-3 Groundwater Elevations vs. Time</i>	3-4
<i>Figure 3-5: LP-4 Groundwater Elevations vs. Time</i>	3-4
<i>Figure 3-6: Leachate Production/Precip Summary by Year</i>	3-6
<i>Figure 3-7: Leachate Production Summary by Year</i>	3-6
<i>Figure 4-1: Flare and perimeter gas probe locations</i>	4-2
<i>Figure 4-2: Total Annual Gas Production (Mft3) and Avg. Annual CH4 Conc. (%)</i>	4-3
<i>Figure 5-1: Mica Landfill Settlement Marker Locations</i>	5-7

1 INTRODUCTION

1.1 MICA LANDFILL INFORMATION SUMMARY

SITE:	Mica Landfill, Spokane County, WA S.11, 14 & 15 T.24 R.44
REPORTING PERIOD:	October 2023 through September 2024
REGULATORY AUTHORITY:	Washington State Department of Ecology, EPA Scope of work for Remedial Action as stated in the Final Cleanup Action Plan (CAP) 2002.
TECHNOLOGY:	Impermeable cover system with passive landfill gas collection and flare stations. Leachate collection system conveying leachate to local sewer for treatment and disposal.
CRITERIA:	Criteria were established as stated in the Consent Decree and outlined in the Remedial Action Plan (2002). See Table 1-1 for the established cleanup criteria.
SAMPLING PROGRAMS:	<u>Compliance Monitoring Program:</u> Groundwater sampling (leachate sampling/permit discontinued) done in accordance with Final Cleanup Action Plan (CAP). Landfill gas monitoring done in accordance with the Compliance Monitoring Plan SAP (contained within the Remedial Action Plan, 2002). See Figure 1-1 for site locations. See Table 1-2 for well designations and Table 1-3 for the sampling schedule.

Table 1-1: Mica Landfill Summary of Indicator Analytes and Cleanup Levels

GROUNDWATER			
Indicator Analyte	Method B Cleanup Level, ug/L	Indicator Analyte	Method B Cleanup Level, ug/L
Conventionals		Volatile Organic Compounds	
Alkalinity	N	1,2-Dichloroethane	1.2
Ammonia	272,000	1,2-Dichloropropane	0.643
Chloride	N	Acetone	688
N-Nitrate	800	Benzene	0.795
Sulfate	N	cis-1,2-Dichloroethene	33
Total Dissolved Solids	N	Methylene Chloride (MC)	5
Total Organic Carbon	N	Tetrachloroethene (PCE)	0.858
Inorganics		Toluene	100
Arsenic	5	Trichloroethene (TCE)	3.98
Barium	560	Vinyl Chloride (VC)	0.023
Lead	15	Phthalates	
Manganese	1,926	bis(2- ethylhexyl) Phthalate (BEHP)	6
Mercury	0.4		
Vanadium	112		
Zinc	400		

Mica Landfill Site Map

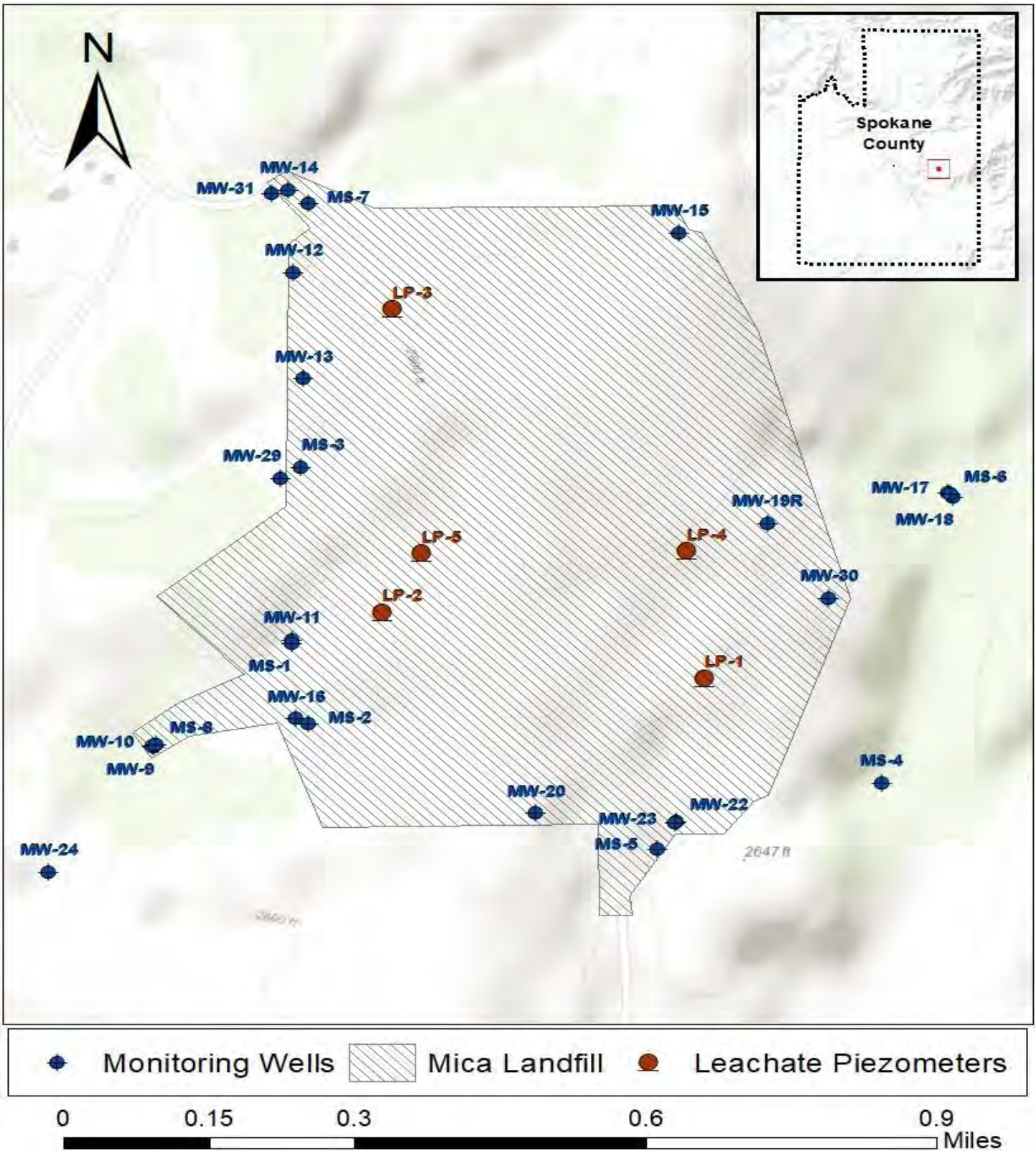


Figure 1-1: Mica Landfill Site Map

Mica Landfill RA Compliance Monitoring Wells

Table 1-2: Mica Landfill Summary of RA Compliance Monitoring Well

Well ID	Geologic Unit*	Sampling Frequency	Drainage Area
MS-4	WB	Semi-Annual	Southeast
MS-5	WB	Semi-Annual	South
MW-9	WB	Semi-Annual	Southwest
MW-10	FB	Semi-Annual	Southwest
MW-13	FB	Semi-Annual	Northwest
MW-14	FB	Semi-Annual	Northwest
MW-16	FB	Quarterly	Southwest
MW-19R	FB	Semi-Annual	Southeast
MW-20	FB	Semi-Annual	South
MW-23	WB	Semi-Annual	South
MW-29	FB	Semi-Annual	Northwest
MW-31	WB	Semi-Annual	Northwest
DW-001	FB	Semi-Annual	South Pines Estates
DW-002	WB	Semi-Annual	Hidden Hollow
DW-003	FB	Semi-Annual	Miller Well
*WB = weathered (decomposed) bedrock			
*FB = fractured bedrock			

Mica Landfill Sampling Schedule

Table 1-3: Mica Landfill Sampling Schedule

LOCATION	VOLATILES				BEHP				TOC/NH3				Cl/Aik/NO3/SO4/TDS				As/Ba/Hg/Mn/Pb/V/Zn			
	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
Northwest Drainage																				
MW-013	X		X						X		X		X		X		X		X	
MW-014	X		X						X		X		X		X		X		X	
MW-029	X		X		X				X		X		X		X		X		X	
MW-031	X		X						X		X		X		X		X		X	
Southwest Drainage																				
MW-009	X		X		X				X		X		X		X		X		X	
MW-010	X		X						X		X		X		X		X		X	
MW-016	X	X	X	X					X	X	X	X	X		X		X	X	X	X
South Drainage																				
MS-005	X		X		X				X		X		X		X		X		X	
MW-020	X		X						X		X		X		X		X		X	
MW-023	X		X						X		X		X		X		X		X	
Southeast Drainage																				
MS-004	X		X		X		X		X		X		X		X		X		X	
MW-019R	X		X						X		X		X		X		X		X	
Domestic Wells																				
DW-001	X		X		X				X		X		X		X		X		X	
DW-002	X		X		X				X		X		X		X		X		X	
DW-003	X		X		X				X		X		X		X		X		X	

2 GROUNDWATER

2.1 GROUNDWATER DATA/SUMMARIES

PROBLEMS/ DEVIATIONS

After collecting the groundwater samples, County personnel packed the samples into coolers with ice and shipped them to their designated laboratories via United Parcel Service (UPS) on 9/10/2024. UPS experienced sortation delays with the coolers, and when the coolers were delivered, the internal temperatures were above the designated 0 – 6 degree C range for sample quality, and it was past the established holding times for the nitrate samples.

For residential wells DW-1, DW-2, DW-3, and monitoring wells MS-004, County personnel had to use 2 separate field conductivity probes due to drift in conductivity calibration during and after groundwater sampling. One probe read high conductivity values, and the other read low conductivity values. Both conductivity values collected for these wells during the groundwater sampling are presented in Table 2-1.

Monitoring wells MS-4, MW-13, MW-19R, and MW-29 are low-producing wells that are purged once and allowed to recharge before obtaining samples. The groundwater level in MW-31 was below the top of the intakes for the pump, and County personnel could not obtain a sample. This is a common occurrence for MW-31 during the September sampling events, so Spokane County requested a variance to collect samples for MW-31 during the month of December to ensure the water levels are high enough for sample collection.

FIELD DATA

Field parameters for this report are shown in Table 2-1. Hydrographs are presented in Figure 2-1 through Figure 2-5. Water level readings are shown in Table 2-1. Sen's slope trend analysis results for individual well groundwater elevations over time are presented in Table 2-2. Groundwater elevation contours/flow directions are presented in Figure 2-6.

CRITERIA EXCEEDANCES

Detected analyte concentrations and clean-up criteria exceedances for this annual report are presented in Table 2-3 through Table 2-7. Clean-up criteria were presented previously in Table 1-1. Cleanup-level exceedance geospatial maps are presented in Figure 2-7 through Figure 2-15.

NORTHWEST DRAINAGE (MW-13, MW-14, MW-29, and MW-31):

Nitrate concentrations in MW-29 and MW-31 exceeded the regulatory criteria during this annual reporting period.

SOUTHWEST DRAINAGE (MW-9, MW-10, and MW-16):

Analyte concentrations in monitoring well MW-16 exceeded the criteria for several VOCs, including 1,2-Dichloroethane (1,2-DCA), 1,2-Dichloropropane (1,2-DCP), benzene, and Vinyl chloride. MW-16 also exceeded the criteria for arsenic and barium during this annual reporting period.

SOUTH DRAINAGE (MS-5, MW-20, and MW-23):

MW-20 and MS-5 exhibited nitrate concentrations above the cleanup criteria. MW-20 also exhibited exceedances for lead.

SOUTHEAST DRAINAGE (MS-4 and MW-19R):

Nitrate concentrations in both southeast area wells were above the cleanup criteria.

DOMESTIC WELLS (DW-1, DW-2, and DW-3):

Nitrate concentrations in DW-2 and DW-3 exceeded the clean-up criteria during this reporting period.

CHEMICAL DATA AND STATISTICAL TRENDS

All laboratory data collected during this annual reporting period is shown in APPENDIX A - LABORATORY RESULTS. Volatile organic detections and semi-volatile detections for this reporting period are presented in Table 2-4 and Table 2-5, respectively. Inorganic detections are presented in Table 2-6, and conventionals detections are presented in Table 2-7. Data summary analyses are presented in APPENDIX B - DATA SUMMARY ANALYSIS. Data validation performed for this reporting period is presented in APPENDIX C - DATA VALIDATION.

STATISTICAL ANALYSIS: Trend analyses were performed on chemical data from 1994 to the present date using Sen's non-parametric trend test. Statistically significant trends are included in Table 2-8. Due to the change in filtered versus non-filtered metals analysis (dissolved versus total) after March 2002, statistical analysis for metals was performed only on the unfiltered data collected after that date. Because of this, the statistical analysis calculated for metals may produce a trend that does not reflect the overall historic changes for that constituent.

NORTHWEST DRAINAGE (MW-13, MW-14, MW-29, and MW-31):

Time-series graphs for northwest area analyte concentrations are presented in Figure 2-16 through Figure 2-22. Statistically significant trends for the northwest area analyte concentrations are presented in Table 2-8. The northwest drainage wells show little to no detections of VOCs. Monitoring well MW-29, located in the southern area of the northwest drainage, indicates increasing trends in a majority of the conventionals, along with barium. While MW-29 currently indicates criteria exceedances/increasing concentration trends for nitrate, overall nitrate concentrations have decreased over the last 5 years. MW-31 indicates decreasing trends for alkalinity, chloride, sulfate, TDS, and TOC. MW-13 is exhibiting decreasing trends for nitrate, sulfate, barium, and PCE. MW-14 shows an increasing trend for alkalinity.

SOUTHWEST DRAINAGE (MW-9, MW-10, and MW-16):

Time-series graphs for southwest area analyte concentrations are presented in Figure 2-23 through Figure 2-40. Statistically significant trends for the southwest area are shown in Table 2-8. Monitoring wells MW-9 and MW-10 show no detections of VOCs. MW-9 is exhibiting decreasing trends for a majority of conventionals/manganese, and an increasing trend for barium. Acetone concentrations for MW-9 were below the detection limit for the September 2024 sampling event. MW-10 indicates a decreasing trend for chloride, and increasing trends for alkalinity, nitrate, and barium. Out of all wells monitored at the Mica Landfill, MW-16 typically has the highest concentrations of analytes and statistical analysis shows increasing trends for several constituents. Monitoring well MW-16 is exhibiting increasing trends for alkalinity, ammonia, chloride, arsenic, 1,2-DCP, and benzene. Beginning in 2022, MW-16 began to exhibit increasing trends for 1,2-DCP and 1,2-DCA, however, recent sampling results indicate decreasing concentration trends for both of these constituents. MW-16 also indicates decreasing trends for sulfate, TOC, barium, manganese, acetone, MC, TCE, and toluene. For the September 2024 sampling event, barium concentrations decreased below the cleanup criteria for the first time since 1998. Although MW-16 continues to exhibit a high level of constituent detections and cleanup criteria exceedances, several constituent concentrations have continued to plateau/exhibit decreasing concentration trends.

Because of the high volatile organic concentrations found in MW-16, dilutions for laboratory analysis are necessary. This typically increases the method reporting limit for the analytes, and while most detections are well above these elevated reporting limits, there may be some low-level concentrations that will not be represented with these lab results.

SOUTH DRAINAGE (MS-5, MW-20, and MW-23):

Time-series graphs for the south area analyte concentrations are presented in Figure 2-41 through Figure 2-49. Statistically significant trends for the south area are shown in Table 2-8. Decreasing trends for nitrate, PCE, MC, TCE, 1,2-DCA, 1,2-DCP, cis-1,2-DCE, and barium are indicated in MW-23. Concentrations for alkalinity and TDS in MW-23 began exhibiting decreasing trends in 2005, and concentrations began to plateau in 2023. While concentrations for manganese and chloride in MW-23 exhibit overall statistically significant increasing trends, concentrations have been plateauing/decreasing since 2009. Monitoring well MS-5 is exhibiting increasing trends for chloride and sulfate, and decreasing trends for nitrate and barium. Although MS-5 exhibited overall statistically significant increasing trends for chloride and sulfate, concentrations for both constituents have been plateauing/decreasing since 2007. Statistical analysis shows decreasing trends for chloride, nitrate, sulfate, TDS, and TOC in MW-20. Inorganic concentrations for MW-20 appear to have significant seasonal variation, with peak concentrations commonly occurring in the March sampling events. These peak concentrations also appear to coincide with seasonal variation present in groundwater elevations in MW-20, with the lowest elevations commonly occurring in the March sampling events. While nitrate concentrations for MW-20 exceeded the cleanup criteria, overall concentrations have continued to decrease since 2007.

SOUTHEAST DRAINAGE (MS-4 and MW-19R):

Time-series graphs for the southeast area analyte concentrations are presented in Figure 2-50 through Figure 2-55. Statistically significant trends are shown in Table 2-8. Monitoring well MS-4 exhibits increasing trends in alkalinity, nitrate, sulfate, TDS, and barium. Although nitrate concentrations in this well began trending upward in 2019, the September 2024 sampling event showed a continuation of decreasing concentrations that started in 2023. In contrast, monitoring well MW-19R shows decreasing trends for most conventional parameters and barium. Similar to MS-4, nitrate concentrations in MW-19R exceeded the cleanup criteria, but concentrations have continued to decline since 2023. There are several examples of inorganic and conventional concentrations decreasing in MW-19R while concentrations increase in MS-4, indicating constituent concentration relationships between the two monitoring wells that are supported by the groundwater flow direction.

DOMESTIC WELLS (DW-1, DW-2, and DW-3):

Time-series graphs for the domestic well analyte concentrations are presented in Figure 2-56 through Figure 2-60. Statistically significant trends are shown in Table 2-8. Data from DW-1 show overall increasing trends for nitrate, chloride, and barium. While these constituents exhibit statistically significant increasing concentration trends, concentrations have continued plateauing/decreasing during the most recent sampling events. Overall alkalinity concentrations for DW-1 have continued to decrease/plateau. DW-3 shows increasing trends for nitrate, sulfate, and barium. Nitrate concentrations for DW-3 have continued to decrease since 2020, but the results from the most recent sampling events indicate a potential plateau/slight increase in concentrations. DW-2 indicates a decreasing trend for nitrate.

MICA LANDFILL DATA SUMMARY**NORTHWEST DRAINAGE (MW-13, MW-14, MW-29, and MW-31)**

While statistical trend analysis shows a majority of increasing analyte concentration trends for the Northwest drainage wells, concentration differences between the 2023 to 2024 sampling events indicate a majority of decreases in overall concentrations, especially among the conventional analytes, given a few exceptions. The northwest drainage wells continue to show little to no detections of VOCs, except for 1,1-DCA in MW-13. Although nitrate concentrations in MW-29 and MW-31 continue to exceed the cleanup criteria, laboratory results from the most recent sampling events indicate that concentrations in both monitoring wells appear to be on a decreasing trend.

The groundwater level in MW-31 was below the top of the intakes for the pump, and County personnel could not obtain a sample. This is a common occurrence during the September

sampling events for MW-31, so Spokane County requested a variance to collect samples for MW-31 during the month of December to ensure the water levels are high enough for sample collection.

SOUTHWEST DRAINAGE (MW-9, MW-10, and MW-16)

Statistical trend analysis is reflective of the analyte concentration differences between 2023 and 2024, where the majority of analyte concentrations for the Southwest wells are exhibiting decreases. The majority of constituents for MW-16 exhibited increasing concentration trends that peaked during the 1990s and 2000s, after which these constituent concentrations transitioned to decreasing trends and continued decreasing to the present. Some constituents exhibited increasing concentrations that peaked during the 1990s and 2000s, but remained consistent or slightly increased until the recent decrease in concentrations that began in 2023, such as 1,2-DCP, 1,2-DCA, barium, and ammonia. Chloride and arsenic concentrations in MW-16 have exhibited increasing trends since monitoring began, but recent sampling events indicate that chloride concentrations are plateauing/potentially decreasing. Although several constituents in MW-16 continue to exceed the cleanup criteria, laboratory results from the most recent sampling events indicate that almost all of these constituent concentrations are plateauing/decreasing, with the exception of arsenic.

The only constituent detections for MW-9 and MW-10 were conventional and inorganic concentrations, with no detections of VOCs during the September 2024 sampling event. All inorganic concentrations for MW-9 and MW-10 exhibited decreases in concentrations between 2023 and 2024. Detected conventional constituents for MW-9 showed decreases in concentrations except for sulfate (2023 to 2024), and all detectable conventional constituents for MW-10 showed increases in concentrations (2023 to 2024).

SOUTH DRAINAGE (MS-5, MW-20, and MW-23)

Statistical trend analysis is reflective of the analyte concentration differences between 2023 and 2024, where the majority of analyte concentrations found in the South wells are exhibiting decreases in concentrations. All detectable conventional constituents for both MS-005 and MW-23 exhibited decreases in concentrations between 2023 to 2024, with the exception of TOC. From 2023 to 2024, detectable conventional constituents for MW-20 exhibited concentration increases for nitrate, sulfate, and TDS, and decreasing concentrations for alkalinity, chloride, and TOC. All detectable inorganic constituents for MW-20 exhibited increasing concentrations from 2023 to 2024, and all detectable inorganic constituents for MW-23 exhibited decreasing concentrations from 2023 to 2024. There were no VOC detections in the South drainage wells during the September 2024 sampling event. Although nitrate concentrations in MS-5 and MW-20 continue to exceed the cleanup criteria, trend analysis indicates statistically significant decreasing trends for nitrate concentrations in each of these wells.

SOUTHEAST DRAINAGE (MS-4 and MW-19R)

Statistical trend analysis indicates that for almost every statistically significant decreasing trend for analyte concentrations exhibited in MW-19R, a statistically significant increasing trend is occurring for those same analytes in MS-004, further indicating constituent concentration relationships between the two monitoring wells that are supported by the groundwater flow direction. From 2023 to 2024, detectable conventional constituents for MS-4 exhibited concentration increases for chloride, sulfate, TDS, and TOC, and decreasing concentrations for alkalinity, and nitrate. Detectable conventional constituents for MW-19R exhibited concentration increases for sulfate, TDS, and TOC, and decreasing concentrations for alkalinity, chloride, and nitrate from 2023 to 2024. Detectable barium concentrations showed decreases in concentrations for both MS-4 and MW-19R, while Manganese showed an increase in concentrations for MS-4. There were no VOC detections in the Southeast drainage wells during the September 2024 sampling event. While nitrate concentrations continue to exceed the cleanup criteria for both MS-4 and MW-19R, laboratory results from the most recent sampling events indicate plateauing/decreasing nitrate concentrations for both wells.

DOMESTIC WELLS (DW-1, DW-2, and DW-3)

No problems or delays occurred while sampling the domestic wells during the September 2024 sampling event. From 2023 to 2024, all detectable conventional constituents for DW-1 exhibited decreases in concentrations, except for sulfate. For DW-2 and DW-3, all detectable conventional constituents exhibited increases in concentrations, with the exception of alkalinity for DW-2 and nitrate for DW-3. All detectable inorganic constituents in all 3 domestic wells exhibited decreases in concentrations from 2023 to 2024, except for arsenic concentrations in DW-1. There were no VOC detections in the domestic wells during the September 2024 sampling event. While nitrate concentrations for DW-2 and DW-3 continued to exceed the cleanup criteria, laboratory results from the most recent sampling events indicate that concentrations are plateauing/decreasing. Zinc concentrations at DW-1 were detected during the September 2024 sampling event, but concentrations remain below the cleanup criteria/on a decreasing trend.

Mica Landfill Field Parameters

Table 2-1: Mica Landfill Field Parameters Summary

StationID	SampleDate	Temp	PH	Conductivity	Turbidity	WElev
DW-001	3/5/2024	10.8	6.9	314	0.27	
DW-001	9/10/2024	12.1	7.1	251	0.16	
DW-001	9/10/2024	12.1	7.1	398	0.16	
DW-002	3/20/2024	11.2	6.95	322	0.03	
DW-002	9/10/2024	11.4	6.92	252	0.19	
DW-002	9/10/2024	11.4	6.92	399	0.19	
DW-003	3/5/2024	113	7.51	318	0.84	2395.10
DW-003	9/10/2024	11.5	7.46	256	0.12	2390.77
DW-003	9/10/2024	11.5	7.46	403	0.12	2390.77
MS-004	3/5/2024	8	6.95	406	1.43	2514.33
MS-004	9/10/2024	11.6	6.9	308	0.19	2511.82
MS-004	9/10/2024	11.6	6.9	455	0.19	2511.82
MS-005	3/6/2024	10.6	6.74	270	1	2560.45
MS-005	9/11/2024	10.9	6.66	282	5.88	2557.62
MW-009	3/5/2024	6.9	7.1	378	1.09	2494.44
MW-009	9/10/2024	10.5	6.86	465	33.5	2487.86
MW-010	3/5/2024	8.5	7.52	186	0.12	2494.06
MW-010	9/10/2024	10.5	7.41	181	1.16	2489.17
MW-013	3/5/2024	9.4	6.85	377	0.89	2671.32
MW-013	9/10/2024	11.3	6.93	372	0.59	2671.00
MW-014	3/5/2024	8.8	7.08	151	0.63	2591.06

StationID	SampleDate	Temp	PH	Conductivity	Turbidity	WElev
MW-014	9/10/2024	11.2	7.1	152	1.12	2584.65
MW-016	12/6/2023	10.4	6.9	1622	0.54	2536.13
MW-016	3/6/2024	9.3	6.96	2090	0.52	2536.38
MW-016	6/5/2024	11.3	6.97	1939	4.59	2536.87
MW-016	9/11/2024	12.2	6.91	1686	2.01	2536.63
MW-019R	3/5/2024	10.8	7.13	238	2.67	2694.33
MW-019R	9/10/2024	12.8	6.85	227	12.31	2684.44
MW-020	3/5/2024	9.7	7.27	512	6.01	2592.38
MW-020	9/10/2024	11.7	7.26	519	6.9	2591.63
MW-023	3/6/2024	10.8	7.19	651	2.1	2560.94
MW-023	9/11/2024	11.6	7.13	650	6.8	2559.57
MW-029	3/5/2024	9.1	6.26	653	0.2	2589.21
MW-029	9/10/2024	10.8	6.24	632	3.07	2590.91
MW-031	12/6/2023	8.8	6.68	117	1.41	2586.85
MW-031	3/5/2024	7.1	6.71	122	0.89	2590.15
MW-031	6/5/2024	8.5	6.52	167	9.46	2584.86

* Temp: Degrees C, Conductivity: umhos/cm, Turbidity: NTU, Welev: ft above MSL

Conductivity values with potential “drift” issues are highlighted in **Orange**. During the September 2024 groundwater sampling, 2 of the field conductivity probes experienced drift from calibration values – one probe displayed conductivity values higher than previous/typical field parameters, and the other probe displayed conductivity values lower than previous/typical field parameters.

Hydrographs/Groundwater Flow Contours

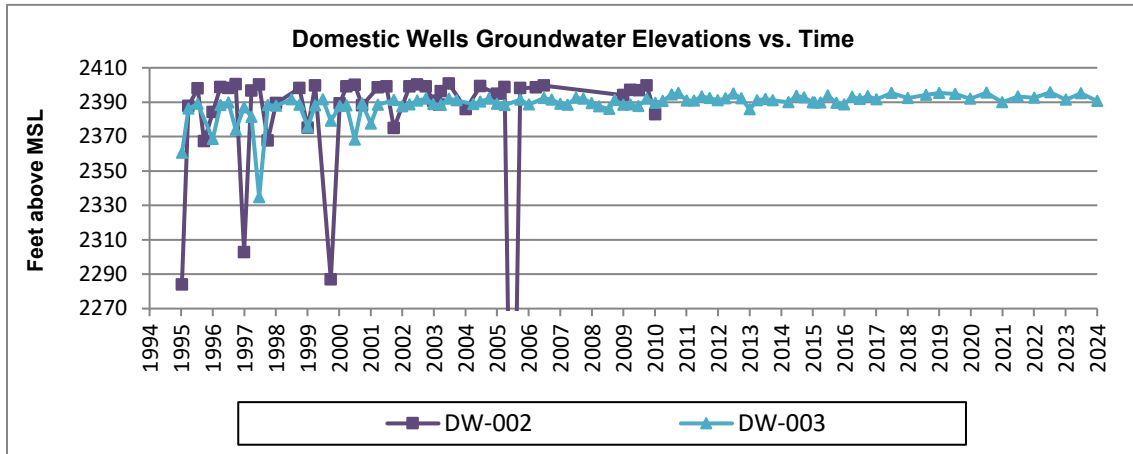


Figure 2-1: Domestic Wells Groundwater Elevation vs. Time

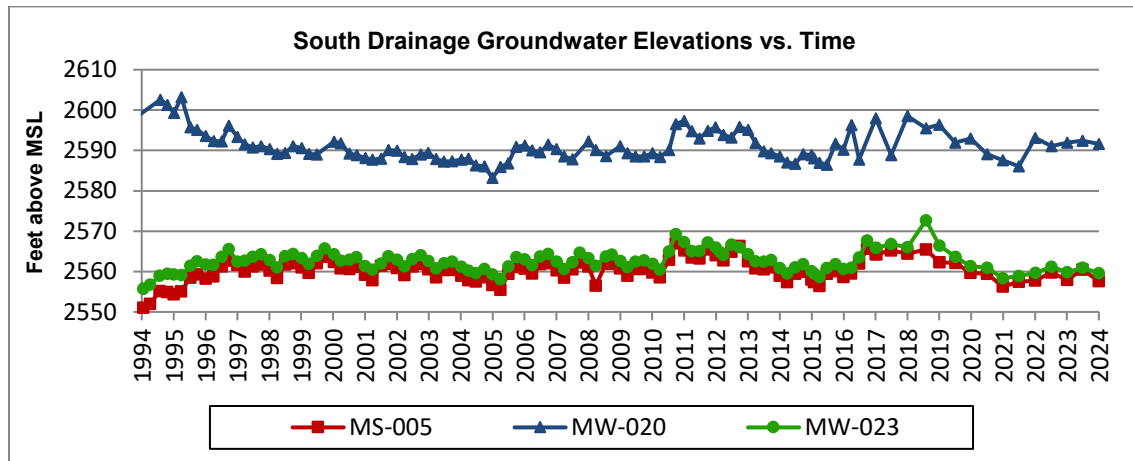


Figure 2-2: South Drainage Groundwater Elevations vs. Time

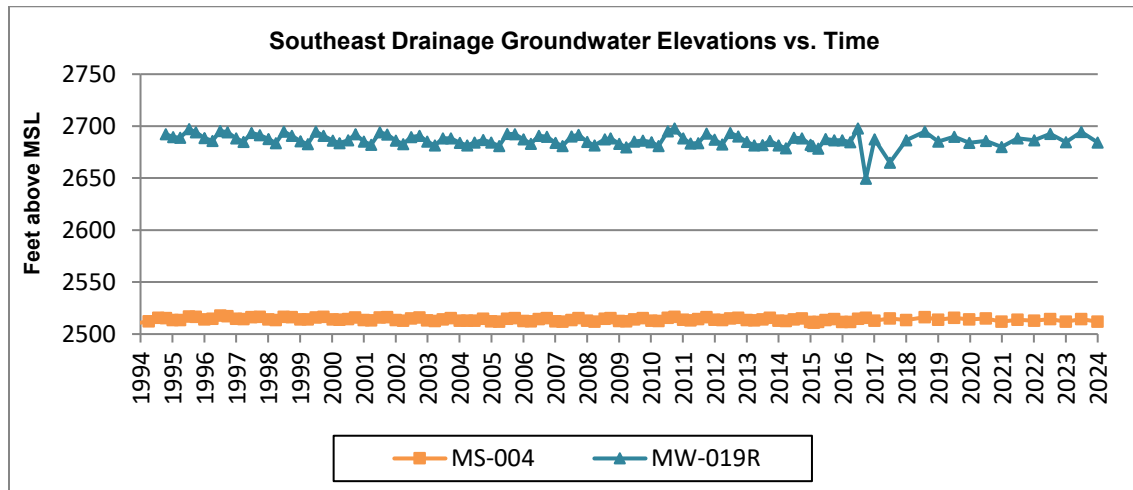


Figure 2-3: Southeast Drainage Groundwater Elevations vs. Time

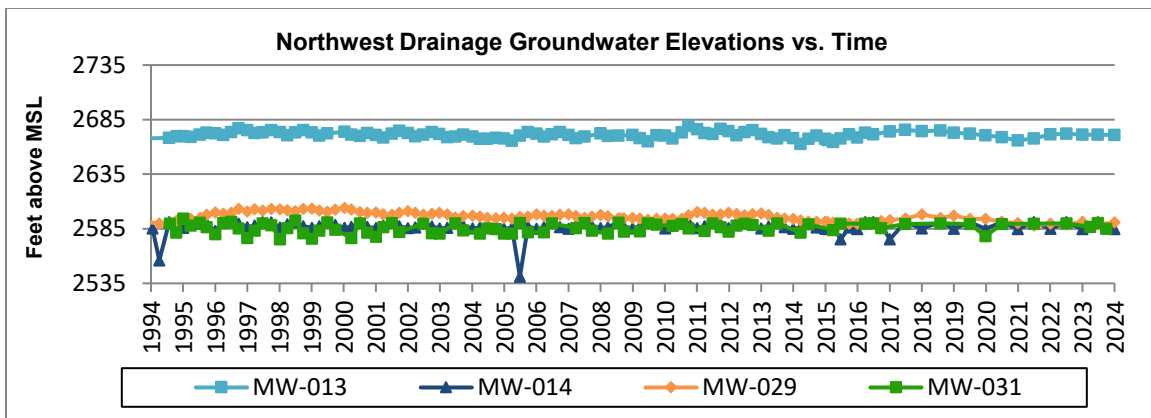


Figure 2-4: Northwest Drainage Groundwater Elevations vs. Time

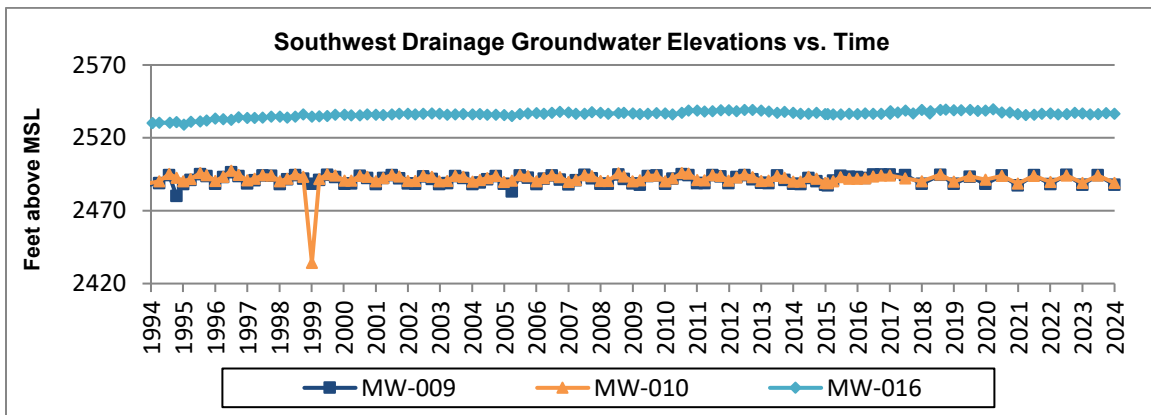


Figure 2-5: Southwest Drainage Groundwater Elevations vs. Time

Table 2-2: Sen's Slope Trend Analysis – Groundwater Elevations (99% Confidence Level)

Station	Parameter	Slope	Y-Intercept	Lower Limit	Upper Limit	Result
Domestic Wells						
DW-002	Water_Elev	0.00047	2380.3	-0.000505	0.00312	no trend
DW-003	Water_Elev	0.000707	2362.5	0.00049	0.000963	increasing
Southeast Drainage						
MS-004	Water_Elev	-0.000165	2520.7	-0.000288	-0.0000442	decreasing
MW-019R	Water_Elev	-0.000474	2705.9	-0.000893	-0.000073	decreasing
South Drainage						
MS-005	Water_Elev	0.00037	2545.4	0.0001144	0.000622	increasing
MW-020	Water_Elev	-0.000076	2594.1	-0.000444	0.0002716	no trend
MW-023	Water_Elev	0.0002342	2552.9	0.0000082	0.000448	increasing
Southwest Drainage						
MW-009	Water_Elev	0.0000136	2490.4	-0.0001223	0.000174	no trend
MW-010	Water_Elev	-0.0000736	2495.1	-0.0002172	0.000061	no trend
MW-016	Water_Elev	0.000506	2516.4	0.00038	0.000614	increasing
Northwest Drainage						
MW-013	Water_Elev	-0.000091	2675	-0.000343	0.0001604	no trend
MW-014	Water_Elev	0	2591.1	-0.000178	0.0000449	no trend
MW-029	Water_Elev	-0.00102	2636.8	-0.001268	-0.00076	decreasing
MW-031	Water_Elev	0.000089	2583.9	-0.0001058	0.000489	no trend

Groundwater Elevation Contours – September 2024

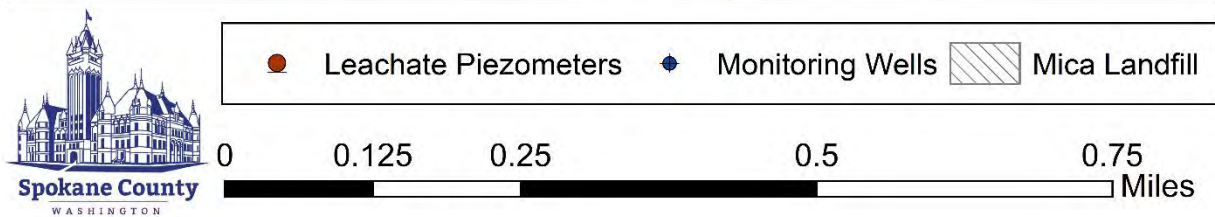
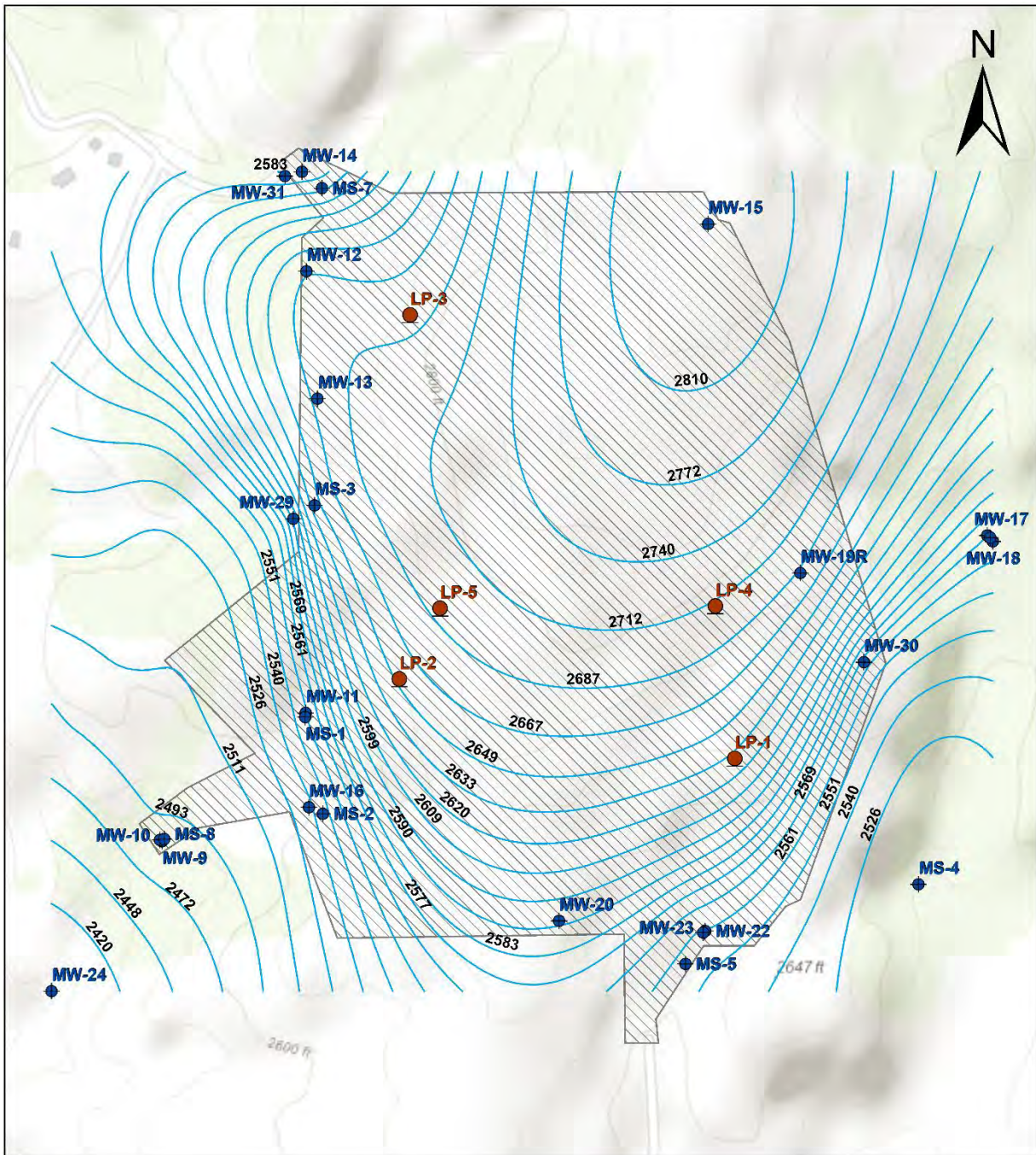


Figure 2-6: Mica Landfill Groundwater Elevation Contours

Criteria Exceedances

Table 2-3: Mica Landfill Analyte Criteria Exceedances

StationID	SampleDate	Analyte	MTCAB	Result	Detect Limit	Qualifier	Units	Type	DrainageArea
DW-002	3/20/2024	N-Nitrate	0.8	1.01	0.05		mg/L	C	Domestic
DW-002	9/10/2024	N-Nitrate	0.8	0.903	0.05	T	mg/L	C	Domestic
DW-003	3/5/2024	N-Nitrate	0.8	1.53	0.05		mg/L	C	Domestic
DW-003	9/10/2024	N-Nitrate	0.8	1.72	0.05	T	mg/L	C	Domestic
MW-029	3/5/2024	N-Nitrate	0.8	1.01	0.05		mg/L	C	Northwest
MW-029	9/10/2024	N-Nitrate	0.8	0.959	0.05	T	mg/L	C	Northwest
MW-031	12/6/2023	N-Nitrate	0.8	1.36	0.05		mg/L	C	Northwest
MS-005	3/6/2024	N-Nitrate	0.8	1.31	0.05	J	mg/L	C	South
MS-005	9/11/2024	N-Nitrate	0.8	1.24	0.05	T	mg/L	C	South
MW-020	3/5/2024	N-Nitrate	0.8	1.87	0.05		mg/L	C	South
MW-020	9/10/2024	N-Nitrate	0.8	1.73	0.05	T	mg/L	C	South
MW-020	9/10/2024	N-Nitrate	0.8	1.84	0.05	T	mg/L	C	South
MW-020	9/10/2024	Lead	0.015	0.0174	0.015	T	mg/L	I	South
MW-020	9/10/2024	Lead	0.015	0.0194	0.015	T	mg/L	I	South
MS-004	3/5/2024	N-Nitrate	0.8	10.6	0.5		mg/L	C	Southeast
MS-004	9/10/2024	N-Nitrate	0.8	9.66	0.5	T	mg/L	C	Southeast
MW-019R	3/5/2024	N-Nitrate	0.8	1.31	0.05		mg/L	C	Southeast
MW-019R	9/10/2024	N-Nitrate	0.8	1.2	0.05	T	mg/L	C	Southeast
MW-016	12/6/2023	Arsenic	0.005	0.0654	0.01		mg/L	I	Southwest
MW-016	3/6/2024	Arsenic	0.005	0.0631	0.001		mg/L	I	Southwest
MW-016	6/5/2024	Arsenic	0.005	0.0679	0.001		mg/L	I	Southwest
MW-016	9/11/2024	Arsenic	0.005	0.0657	0.001	T	mg/L	I	Southwest
MW-016	12/6/2023	Barium	0.56	0.639	0.004		mg/L	I	Southwest
MW-016	3/6/2024	Barium	0.56	0.624	0.004		mg/L	I	Southwest
MW-016	6/5/2024	Barium	0.56	0.643	0.004		mg/L	I	Southwest
MW-016	3/6/2024	1,2-Dichloroethane	1.2	2.62	0.5		ug/L	V	Southwest
MW-016	6/5/2024	1,2-Dichloroethane	1.2	2.84	0.5		ug/L	V	Southwest
MW-016	9/11/2024	1,2-Dichloroethane	1.2	2.49	0.5	T	ug/L	V	Southwest
MW-016	12/6/2023	1,2-Dichloropropane	0.643	18.6	5		ug/L	V	Southwest
MW-016	3/6/2024	1,2-Dichloropropane	0.643	18.5	0.5		ug/L	V	Southwest
MW-016	6/5/2024	1,2-Dichloropropane	0.643	15.2	5		ug/L	V	Southwest
MW-016	9/11/2024	1,2-Dichloropropane	0.643	13.5	0.5	T	ug/L	V	Southwest
MW-016	12/6/2023	Benzene	0.795	12.3	5		ug/L	V	Southwest
MW-016	3/6/2024	Benzene	0.795	12.3	0.5		ug/L	V	Southwest
MW-016	6/5/2024	Benzene	0.795	11.6	0.5		ug/L	V	Southwest
MW-016	9/11/2024	Benzene	0.795	11.3	0.5	T	ug/L	V	Southwest
MW-016	3/6/2024	Vinyl Chloride	0.023	0.6	0.5		ug/L	V	Southwest
MW-016	6/5/2024	Vinyl Chloride	0.023	0.59	0.5		ug/L	V	Southwest
MW-016	9/11/2024	Vinyl Chloride	0.023	0.56	0.5	T	ug/L	V	Southwest

Results with reporting limits greater than the Method B clean-up levels are highlighted in **Red**

Criteria Exceedances – Summary of changes from 2023 to 2024:

StationID	Drainage	Analyte	Summary of change
MW-031	Northwest	N-Nitrate	Increased from no exceedance in 2023 to exceedance in 2024
MW-020	Arsenic	South	Decreased from exceedance in 2023 to no exceedance in 2024

Mica Landfill Volatile Organic Detections

Table 2-4: Mica Landfill VOC Detections for the Reporting Period (ug/L)

StationID	SampleDate	1,2-DCA	1,2-DCP	Acetone	Benzene	cis-1,2-DCE	Ethylbenzene	m,p-Xylene	o-Xylene	Toluene	VC	TCE
MW-016	12/6/2023		18.6	389	12.3		55.9	38.5	16.2	13.9		
MW-016	3/6/2024	2.62	18.5	218	12.3	1.48	53.5	38.8	17.2	9.99	0.6	0.54
MW-016	6/5/2024	2.84	15.2	148	11.6	1.75	38.3	26.4	11.9	10.8	0.59	0.58
MW-016	9/11/2024	2.49	13.5	152	11.3		52	36	13.8	12.9	0.56	

Clean-up level exceedances are in **red**.

Mica Landfill Semi-Volatile Organic Detections

Table 2-5: Mica Landfill SVOC Detections for the Reporting Period (ug/L)

StationID	SampleDate	bis(2-Ethylhexyl)Phthalate	Units	Qualifier
DW-001	3/5/2024	0.5	ug/L	U
DW-002	3/20/2024	0.5	ug/L	U
DW-003	3/5/2024	0.5	ug/L	U
MS-004	3/5/2024	0.5	ug/L	U
MS-004	9/10/2024	0.495	ug/L	UT
MS-005	3/6/2024	0.5	ug/L	U
MW-009	3/5/2024	0.5	ug/L	U
MW-029	3/5/2024	0.5	ug/L	U

Clean-up level exceedances are in **red**.

Mica Landfill Inorganic Detections

Table 2-6: Inorganics Detections for the Reporting Period (mg/L)

StationID	SampleDate	Arsenic	Barium	Lead	Manganese	Zinc
DW-001	3/5/2024	0.00122	0.0181			0.0604
DW-001	9/10/2024	0.00214	0.0072			0.0321
DW-002	3/20/2024		0.0414			0.0142
DW-002	9/10/2024		0.037			
DW-003	3/5/2024		0.028			0.108
DW-003	9/10/2024		0.0263			0.04
MS-004	3/5/2024		0.0901		0.0082	
MS-004	9/10/2024		0.0811		0.0109	
MS-005	3/6/2024		0.0405			
MS-005	9/11/2024		0.0378			
MW-009	3/5/2024		0.0858		0.297	
MW-009	9/10/2024		0.125		0.415	
MW-010	3/5/2024		0.0481			
MW-010	9/10/2024		0.0443			
MW-013	3/5/2024		0.0473			
MW-013	9/10/2024		0.0425			
MW-014	3/5/2024	0.00224			0.25	
MW-014	9/10/2024	0.00165			0.173	
MW-016	12/6/2023	0.0654	0.639		0.589	
MW-016	3/6/2024	0.0631	0.624		0.607	
MW-016	6/5/2024	0.0679	0.643		0.57	
MW-016	9/11/2024	0.0657	0.535		0.519	
MW-019R	3/5/2024		0.0332			
MW-019R	9/10/2024		0.0288			
MW-020	3/5/2024	0.00301	0.2		0.0672	0.0253
MW-020	9/10/2024	0.00448	0.239	0.0194	0.0959	0.0369
MW-023	3/6/2024		0.12		0.963	
MW-023	9/11/2024		0.103		0.819	
MW-029	3/5/2024		0.0997			
MW-029	9/10/2024		0.093			
MW-031	12/6/2023		0.075			
MW-031	3/5/2024		0.0437		0.0126	
MW-031	6/5/2024		0.066			

Clean-up level exceedances are in **red**

Mica Landfill Conventional Detections

Table 2-7: Conventional Detections for the Reporting Period (mg/L)

StationID	SampleDate	ALK	Cl	N-NH3	N-NO3	SO4	TDS	TOC
DW-001	3/5/2024	141	16.4		0.26	10.9		
DW-001	9/10/2024	145	5.35		0.068	11.5		
DW-002	3/20/2024	163	8.74		1.01	4.78		
DW-002	9/10/2024	158	8.78		0.903	4.82		
DW-003	3/5/2024	179	0.85		1.53	1.35		
DW-003	9/10/2024	179	0.81		1.72	1.73		
MS-004	3/5/2024	181	0.68		10.6	10.4	278	1.14
MS-004	9/10/2024	179	0.63		9.66	10.4	279	1.37
MS-005	3/6/2024	92.6	17.2		1.31	12.6	191	1.25
MS-005	9/11/2024	94.6	17.8		1.24	13.1	223	1.32
MW-009	3/5/2024	182	8.02		0.09	3.1	228	2.12
MW-009	9/10/2024	232	15.2		0.05	3.1	267	1.95
MW-010	3/5/2024	97.4	0.55		0.248	0.94	134	
MW-010	9/10/2024	96.7	0.5		0.228	1.02	109	
MW-013	3/5/2024	185	8.17		0.483	3.58	257	
MW-013	9/10/2024	184	7.79		0.479	2.97	222	
MW-014	3/5/2024	77	0.87			9.35	142	
MW-014	9/10/2024	81.2	0.81		0.05	9.56	121	
MW-016	12/6/2023			0.287				33.8
MW-016	3/6/2024	1270	160	0.356	0.05		1300	28.6
MW-016	6/5/2024	1260	162	0.369			1330	29.1
MW-016	9/11/2024	1240	154	0.373	0.194	0.32	1340	30.6
MW-019R	3/5/2024	102	5.57		1.31	4.65	149	1.13
MW-019R	9/10/2024	101	5.13		1.2	4.77	156	1.21
MW-020	3/5/2024	235	7.85		1.87	5.17	331	1.17
MW-020	9/10/2024	220	6.64		1.84	4.75	308	1.15
MW-023	3/6/2024	310	40.5		0.05	8.51	402	2.63
MW-023	9/11/2024	312	39.6	0.177	0.05	8.29	421	2.72
MW-029	3/5/2024	105	138		1.01	7.32	380	
MW-029	9/10/2024	111	135		0.959	7.51	380	
MW-031	12/6/2023	99	12.1		1.36	5.2	166	2.89
MW-031	3/5/2024	41.5	11.6		0.791	4.19	119	4.72
MW-031	6/5/2024	82.2	13.7		0.142	2.96	143	2.84

Clean-up level exceedances are in **red**

VOC detections/exceedance maps – 1,2-Dichloroethane

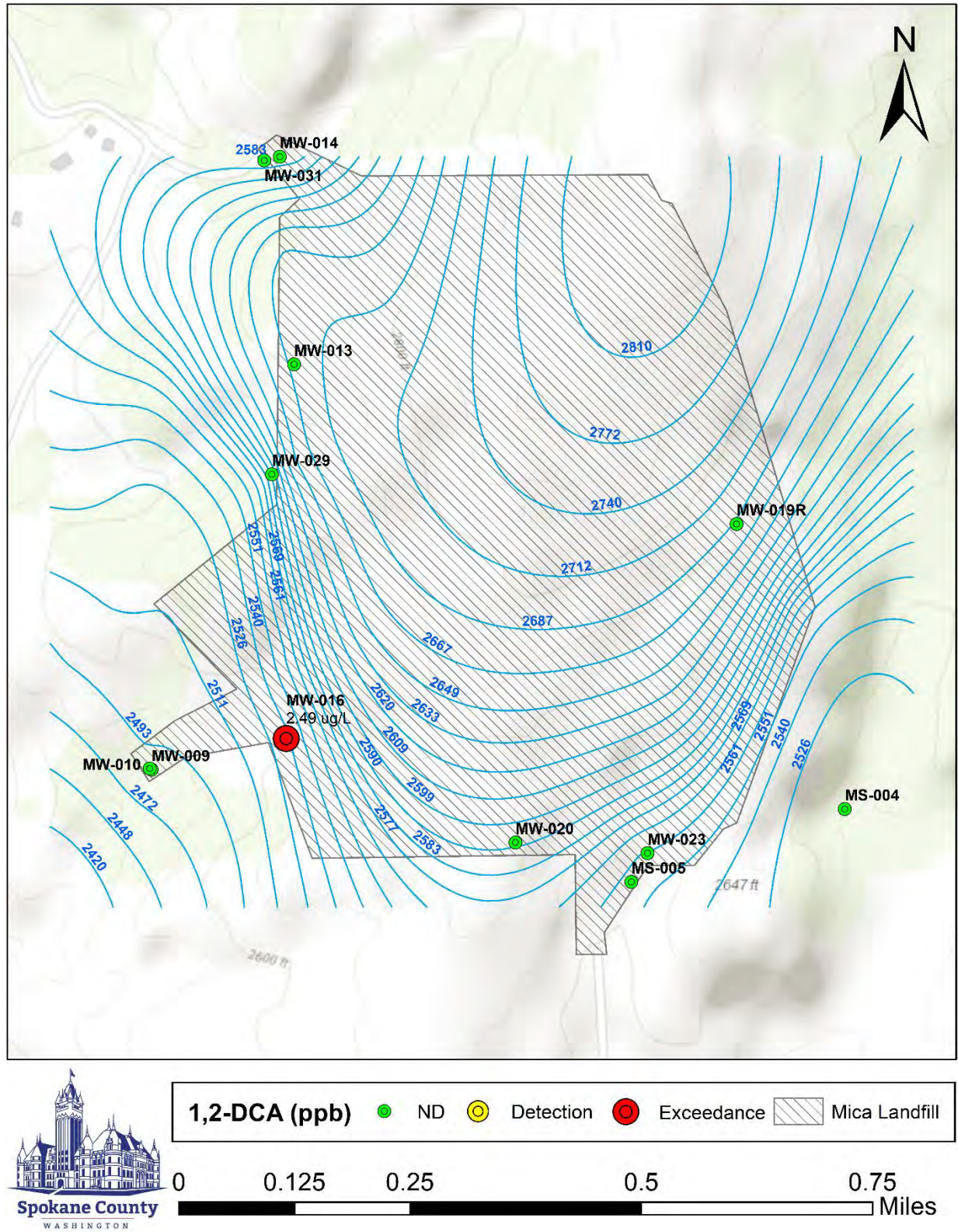


Figure 2-7: 1,2-Dichloroethane detections/exceedance map

VOC detections/exceedance maps – 1,2-Dichloropropane

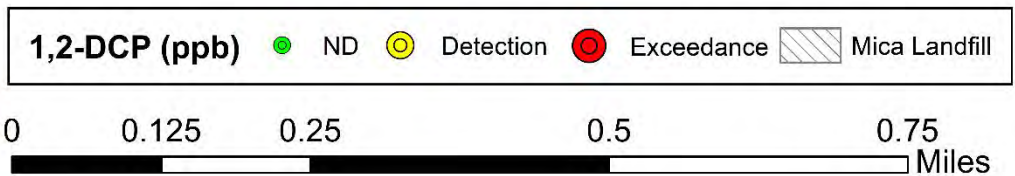
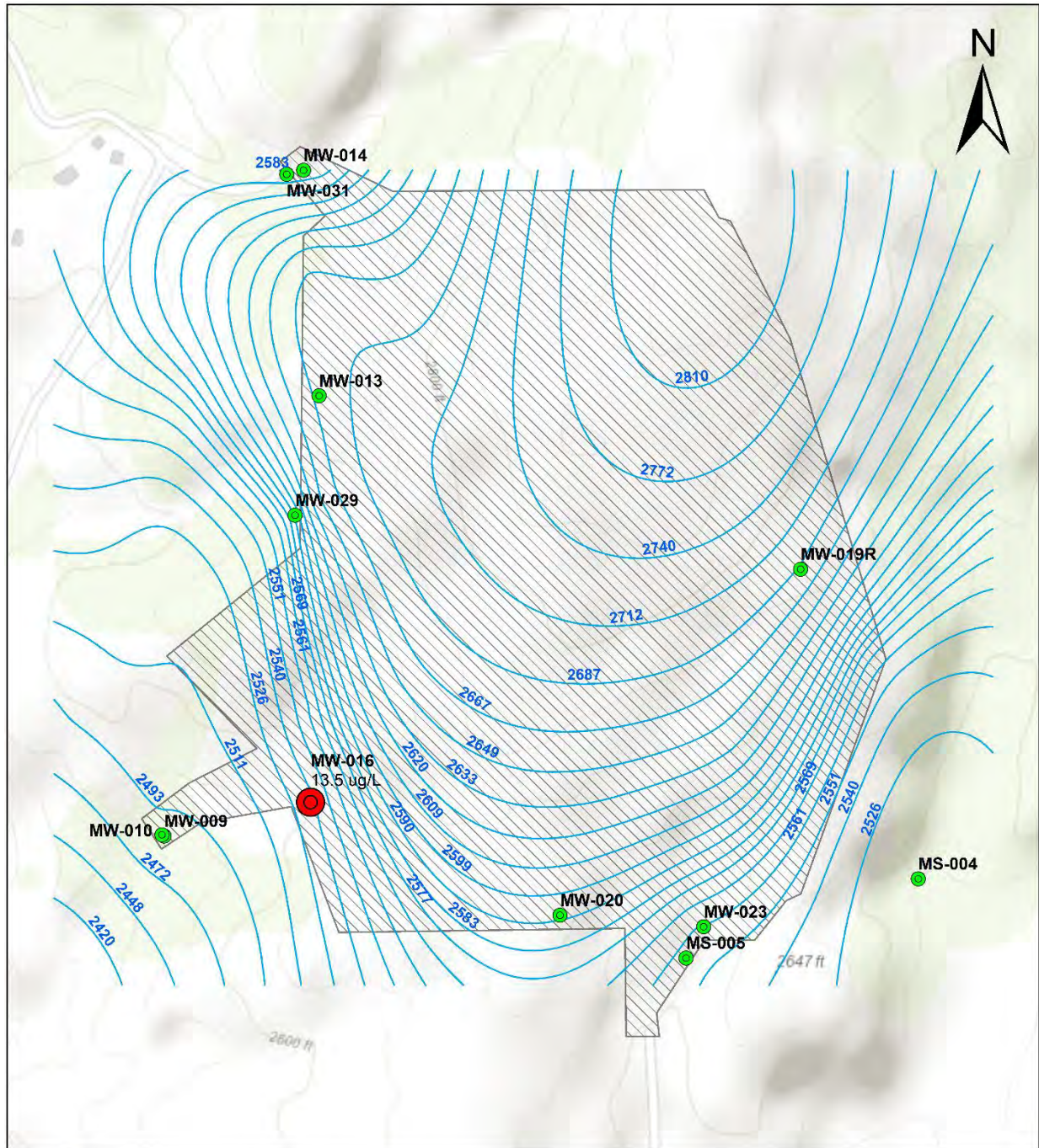


Figure 2-8: 1,2-Dichloropropane detections/exceedance map

VOC detections/exceedance maps - Acetone

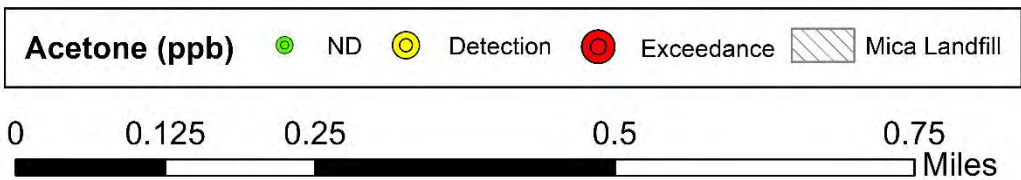
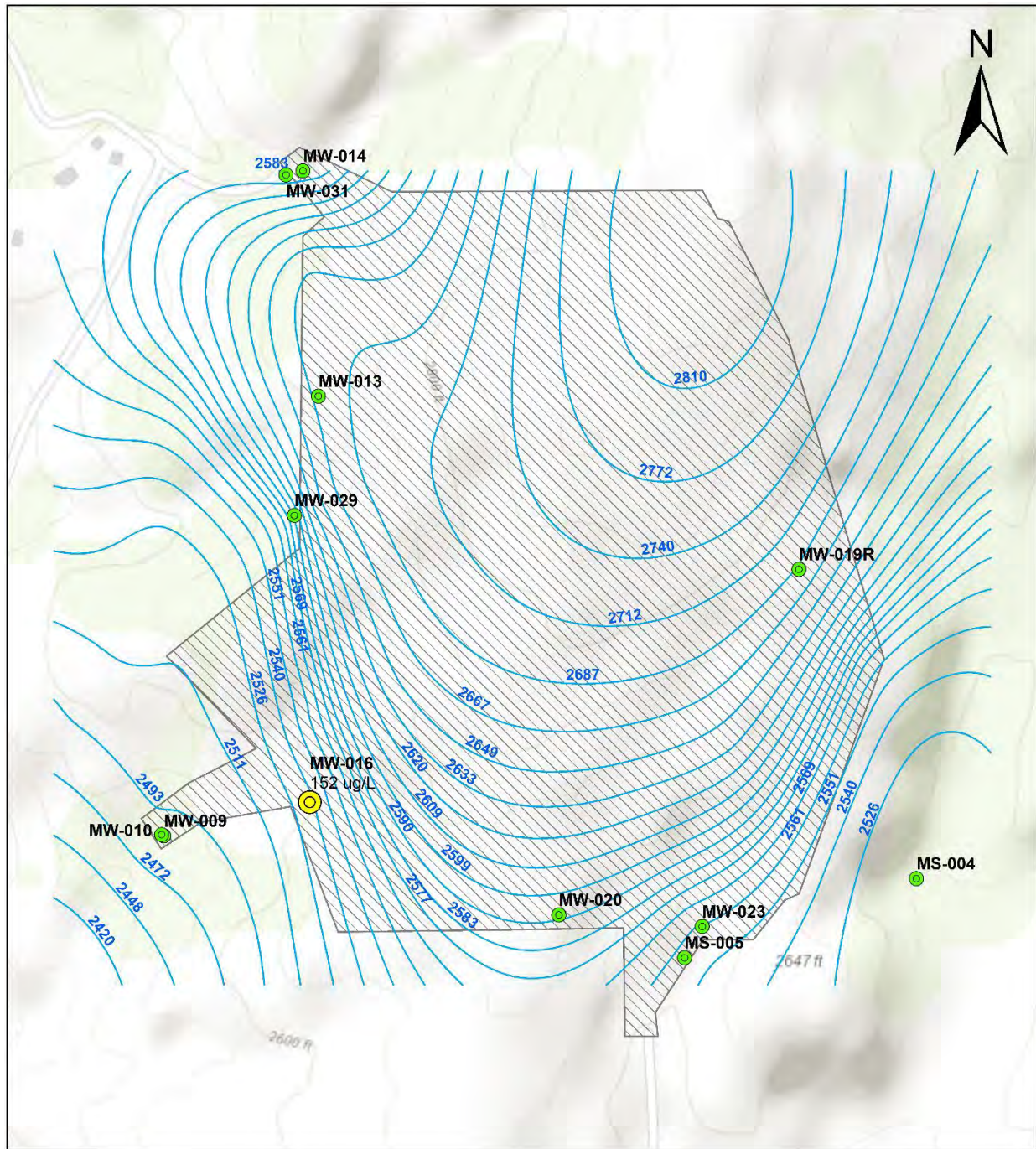


Figure 2-9: Acetone detections/exceedance map

VOC detections/exceedance maps – Benzene

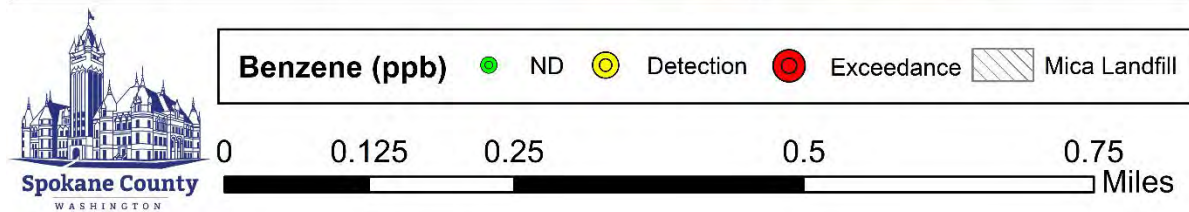
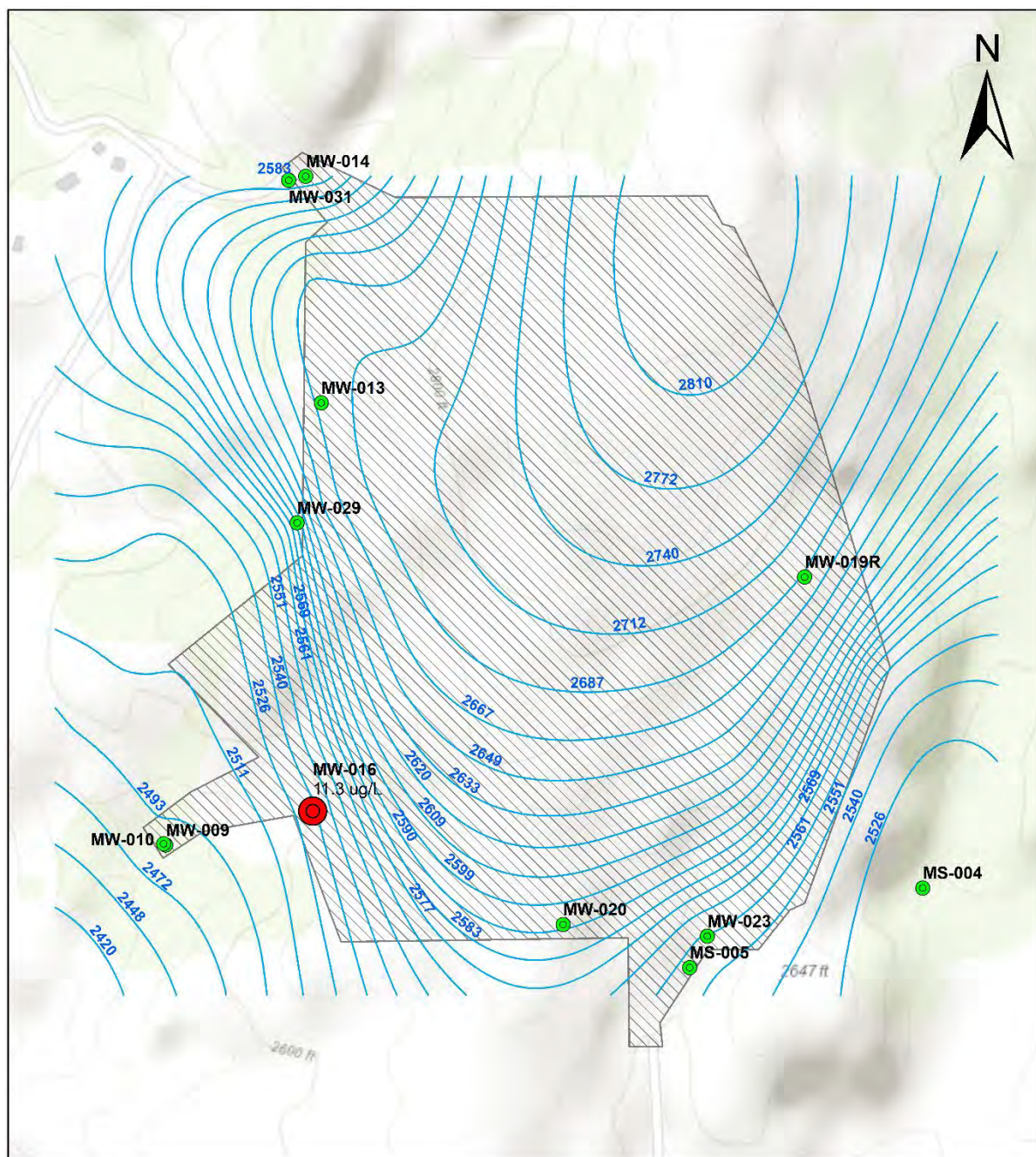


Figure 2-10: Benzene detections/exceedance map

VOC detections/exceedance maps – Vinyl chloride

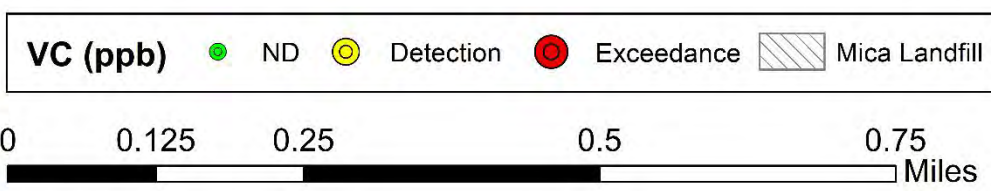
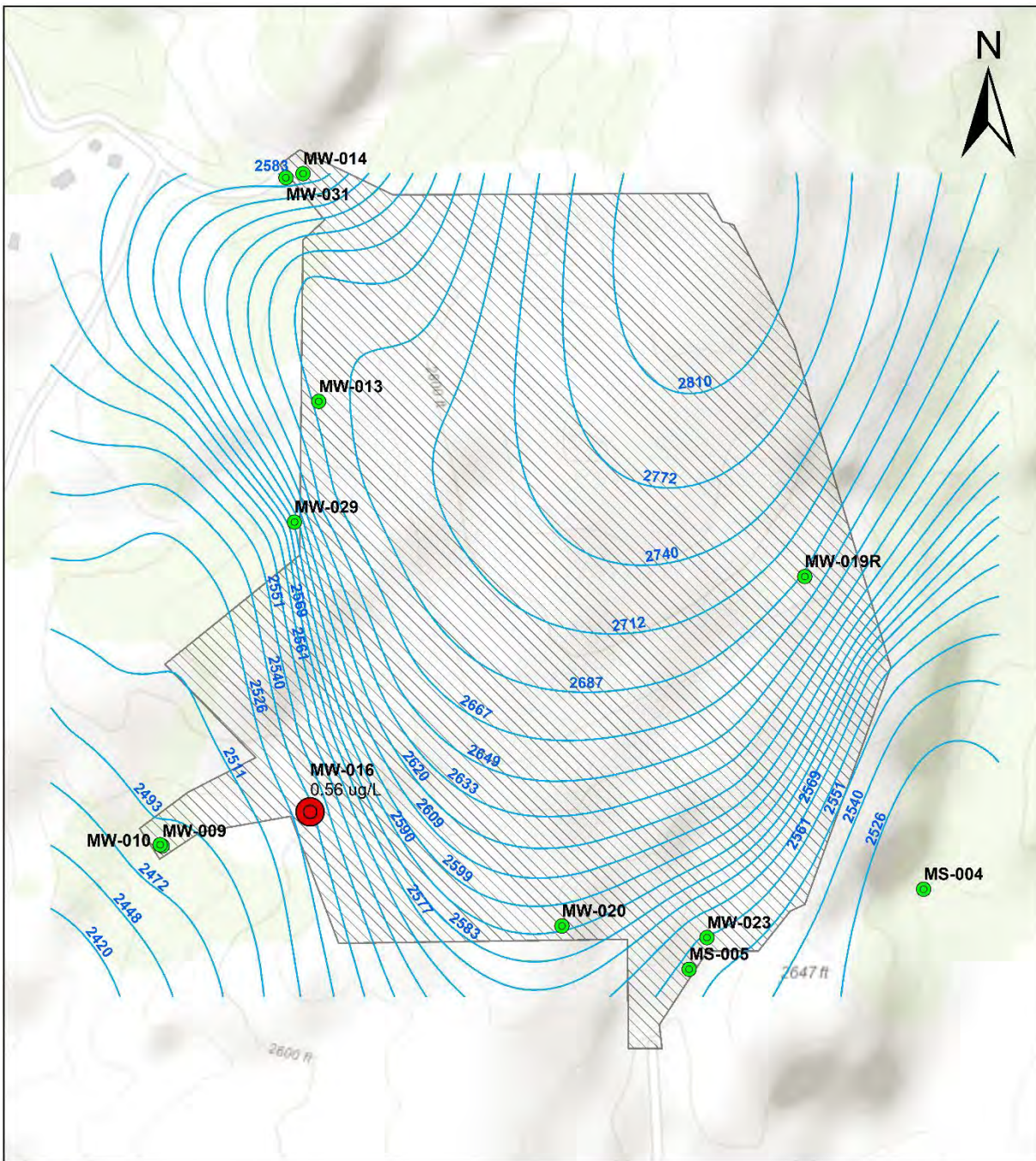


Figure 2-11: Vinyl chloride detections/exceedance map

Inorganics detections/exceedance maps – Arsenic

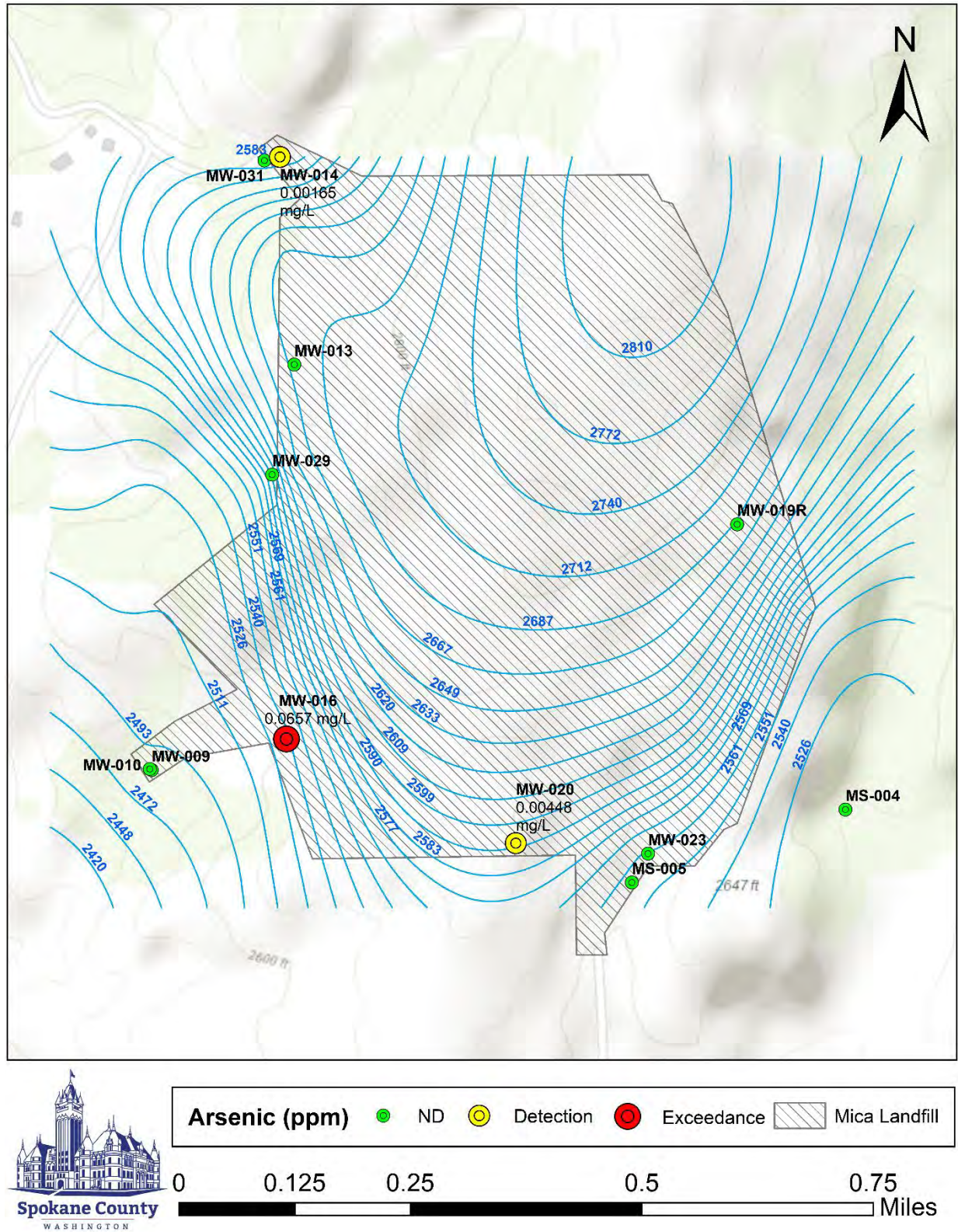


Figure 2-12: Arsenic detections/exceedance map

Inorganics detections/exceedance maps – Barium

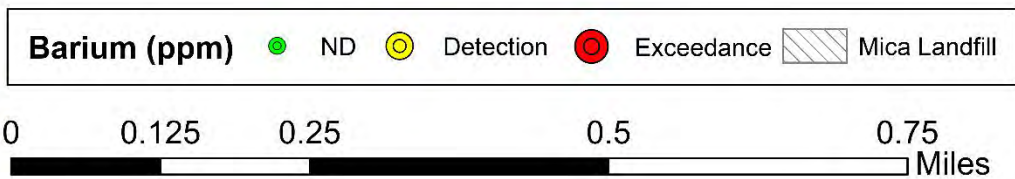
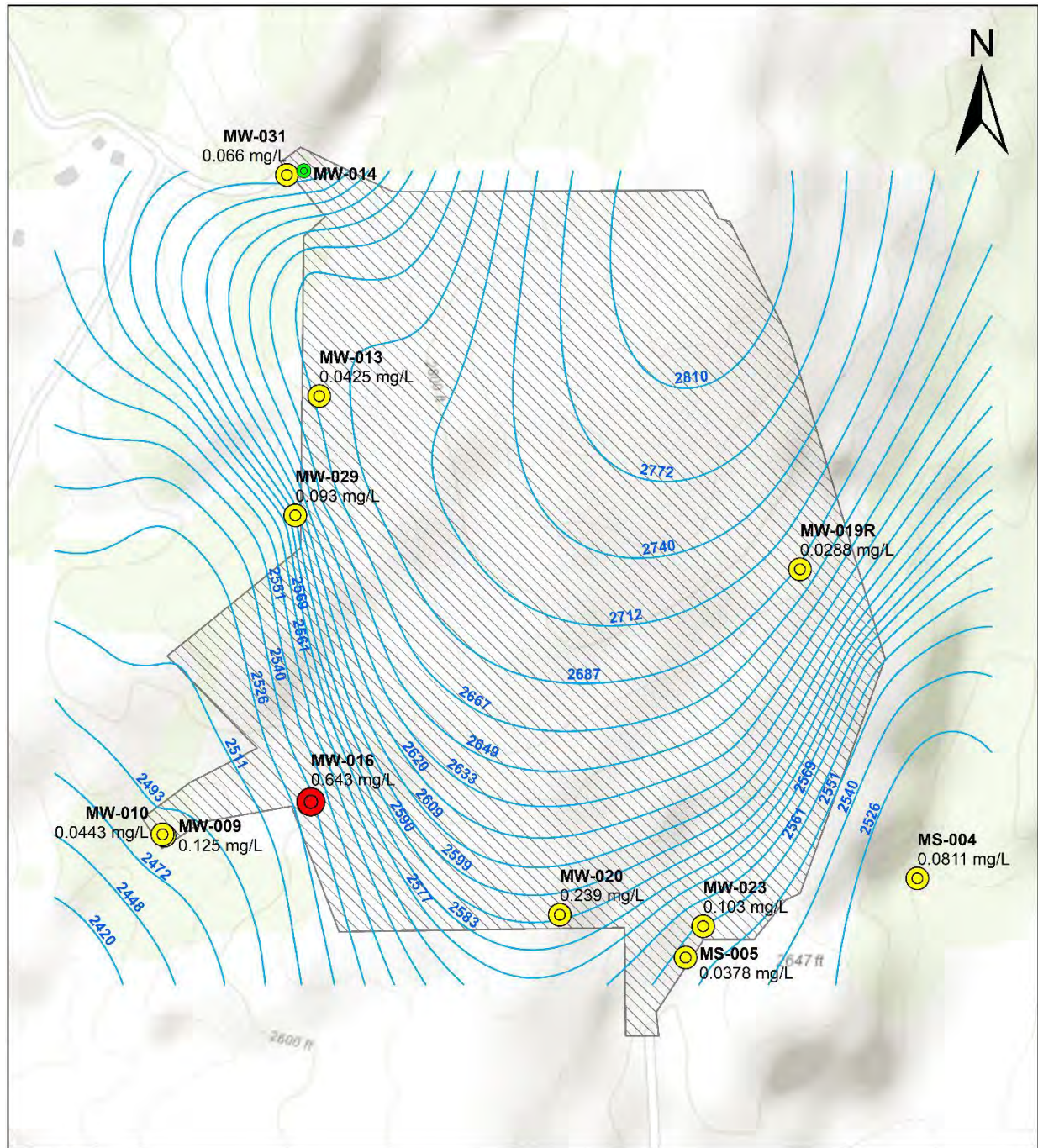


Figure 2-13: Barium detections/exceedance map

Inorganics detections/exceedance maps – Lead

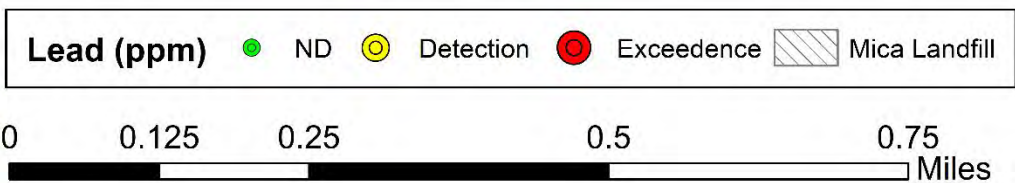
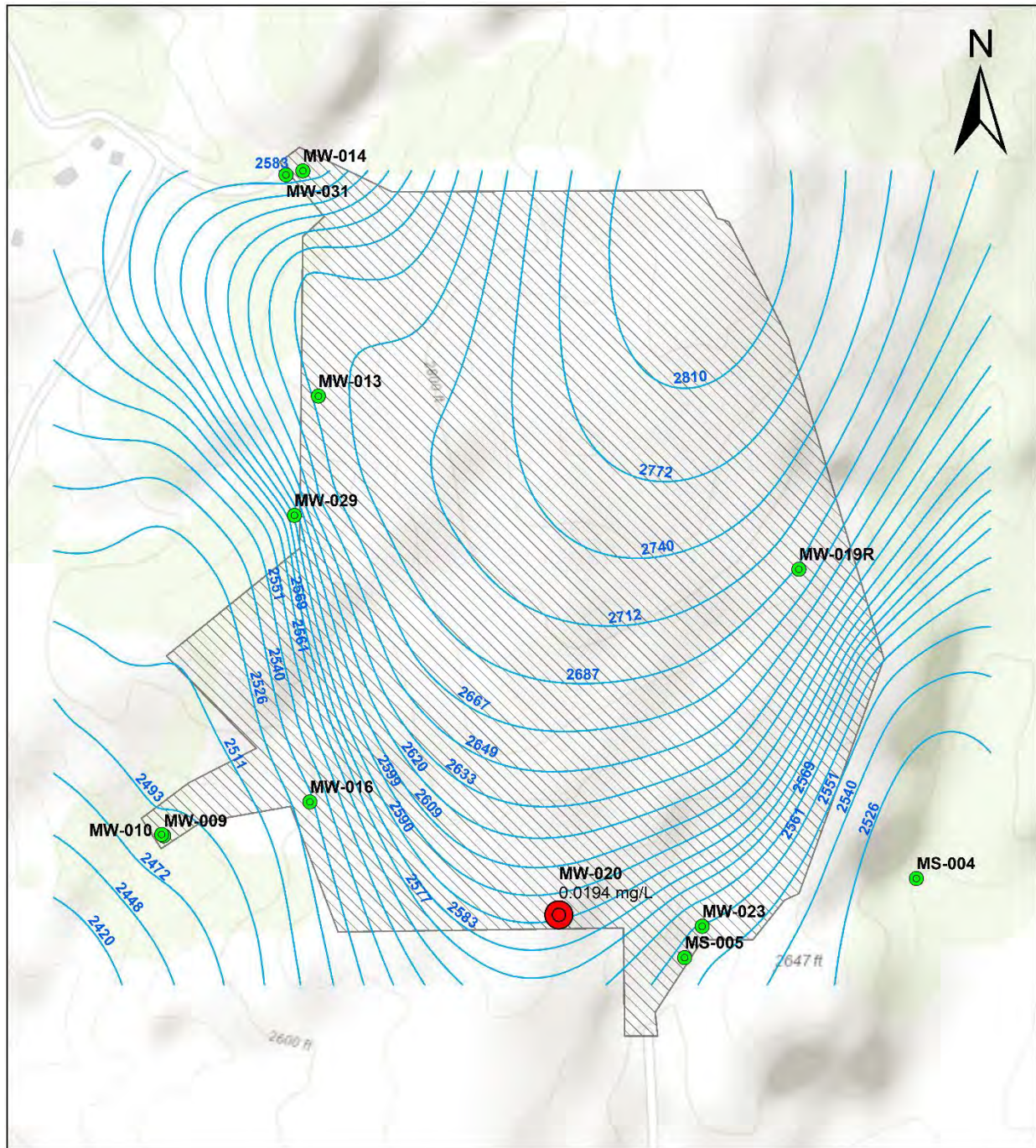


Figure 2-14: Lead detections/exceedance map

Conventional detections/exceedance maps – Nitrate

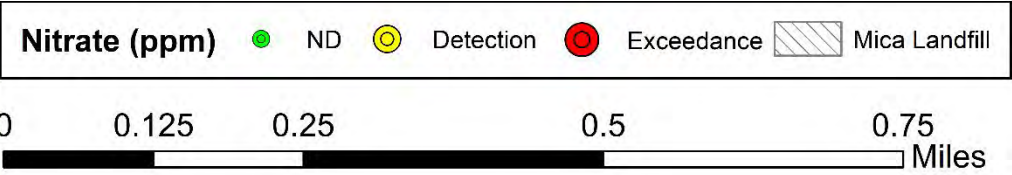
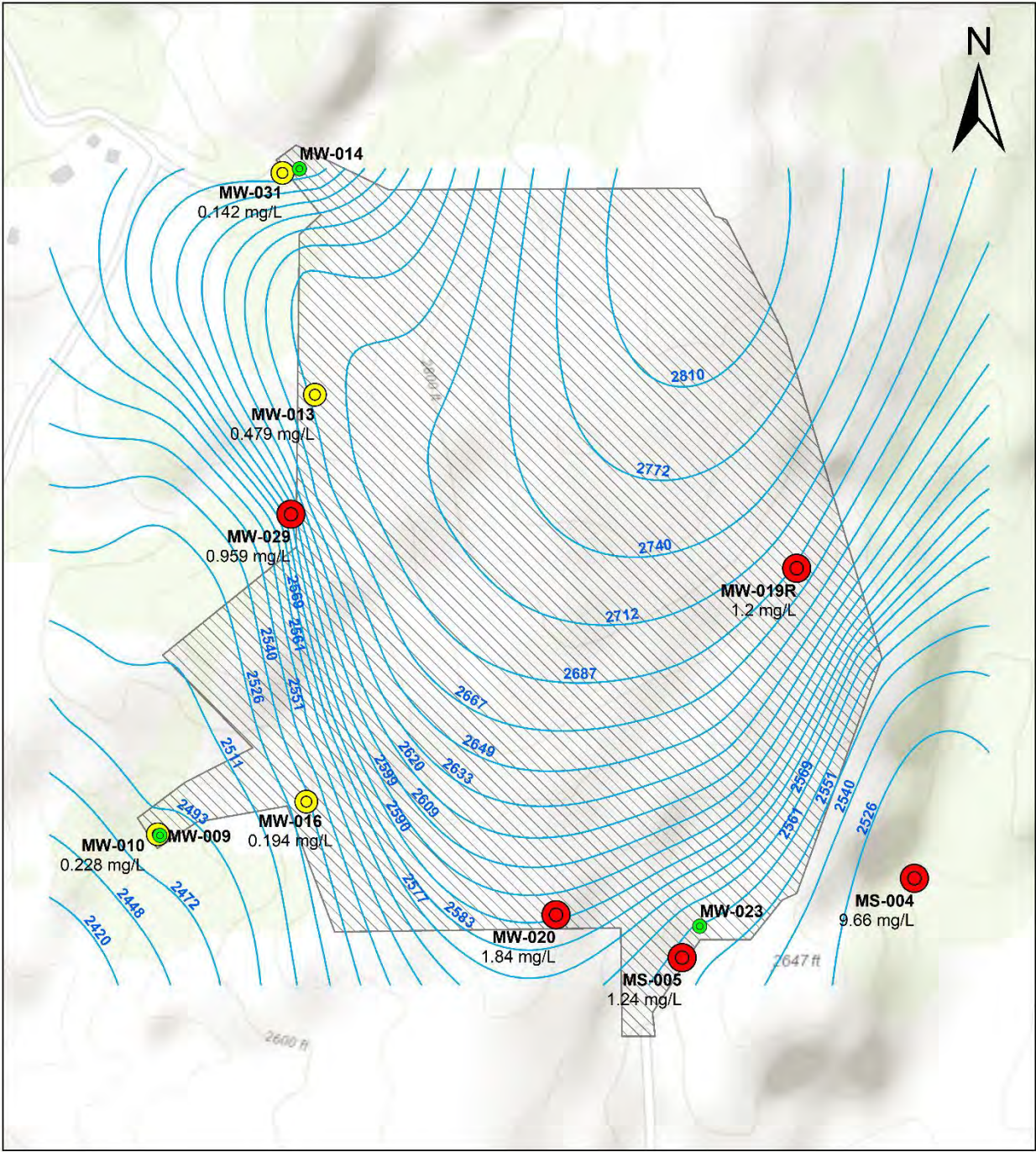


Figure 2-15: Nitrate detections/exceedance map

Mica Landfill Trend Analysis – 2024

Table 2-8: Mica Landfill Trend Analysis

Drainage:	Northwest				Southwest			South			Southeast		Domestic		
Analyte	MW-13	MW-14	MW-29	MW-31	MW-9	MW-10	MW-16	MS-5	MW-20	MW-23	MS-4	MW-19R	DW-1	DW-2	DW-3
Alkalinity		▲	▲	▼	▼	▲	▲				▲	▼	▼		
Ammonia							▲								
Chloride			▲	▼	▼	▼	▲	▲	▼	▲		▼	▲		
Nitrate	▼		▲			▲		▼	▼	▼	▲		▲	▼	▲
Sulfate	▼		▲	▼	▼		▼	▲	▼		▲	▼			▲
TDS			▲	▼	▼				▼		▲	▼			
TOC				▼	▼		▼		▼			▼			
Arsenic							▲ *								
Barium	▼ *		▲ *		▲ *	▲ *	▼ *	▼ *		▼ *	▲ *	▼ *	▲ *		▲ *
Manganese					▼ *		▼ *			▲ *					
Zinc															▼ *
1,2-DCA										▼					
1,2-DCP							▲			▼					
Acetone							▼								
Benzene							▲								
Cis-1,2-DCE										▼					
MC							▼			▼					
PCE	▼									▼					
TCE							▼			▼					
Toluene							▼								
VC															

▲	= Increasing trend
▼	= Decreasing trend
	= Criteria exceedances for this reporting period

* Statistical analysis calculated on metals data collected after March 2002. May not reflect overall historical trend. (99% Confidence level)

Trend Analysis – Summary of changes from 2023 to 2024:

StationID	Drainage	Analyte	Summary of change
DW-001	Domestic	SO4	Increased: no statistically significant trend to statistically significant increasing trend
DW-002	Domestic	Ba	Increased: no statistically significant trend to statistically significant increasing trend
DW-003	Domestic	Alkalinity	Decreased: no statistically significant trend to a statistically significant decreasing trend
MS-005	South	Cl	Decreased: statistically significant increasing trend to no statistically significant trend.
MW-016	Southwest	Benzene	Decreased: statistically significant increasing trend to no statistically significant trend.
MW-016	Southwest	cis-1,2-DCE	Decreased: no statistically significant trend to a statistically significant decreasing trend
MW-019R	Southeast	Mn	Increased: no statistically significant trend to statistically significant increasing trend
MW-031	Northwest	NO3	Increased: no statistically significant trend to statistically significant increasing trend

NW Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

Figure 2-16: NW Wells – VOCs / SVOCs Concentration Graphs

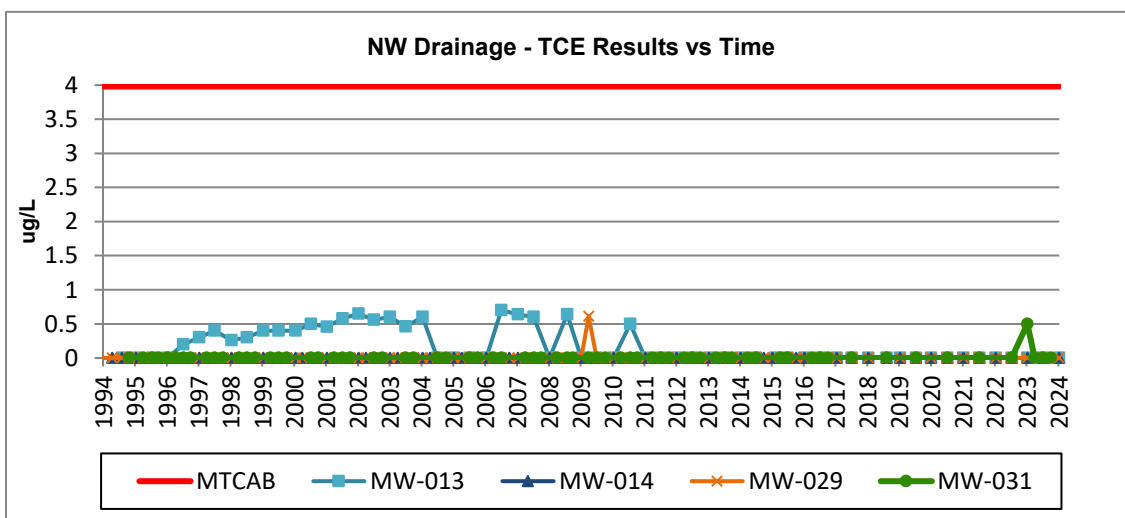
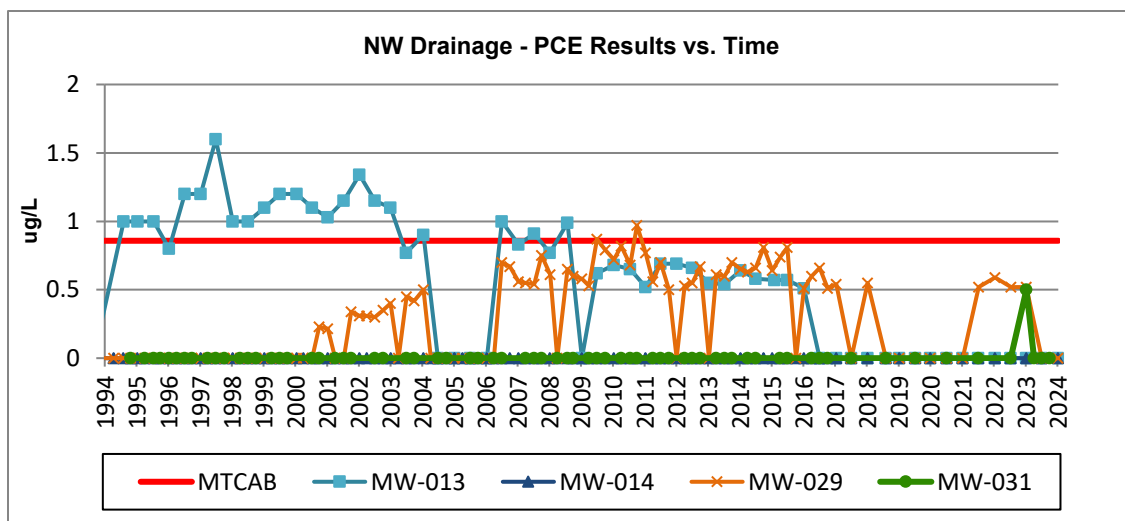
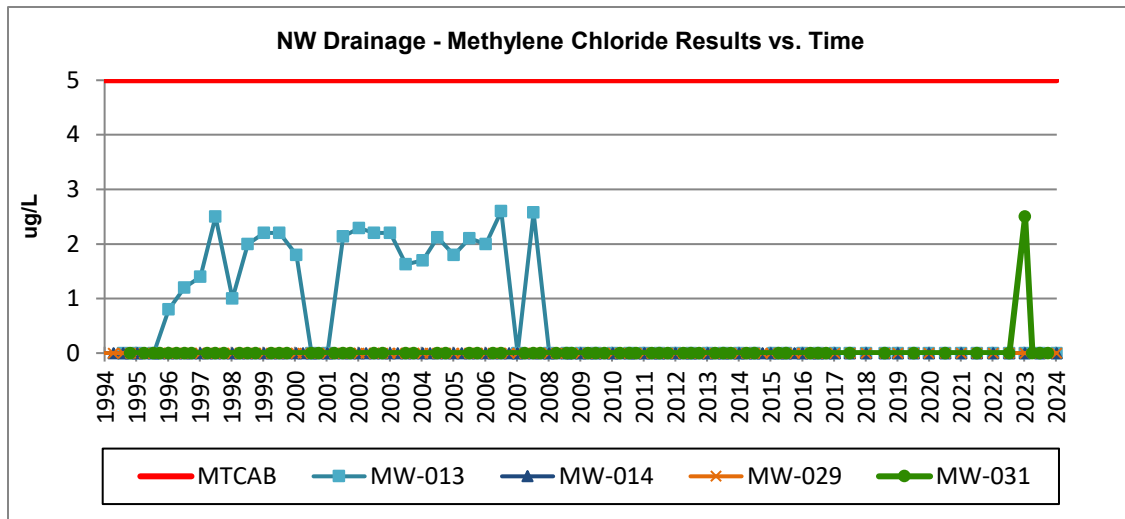
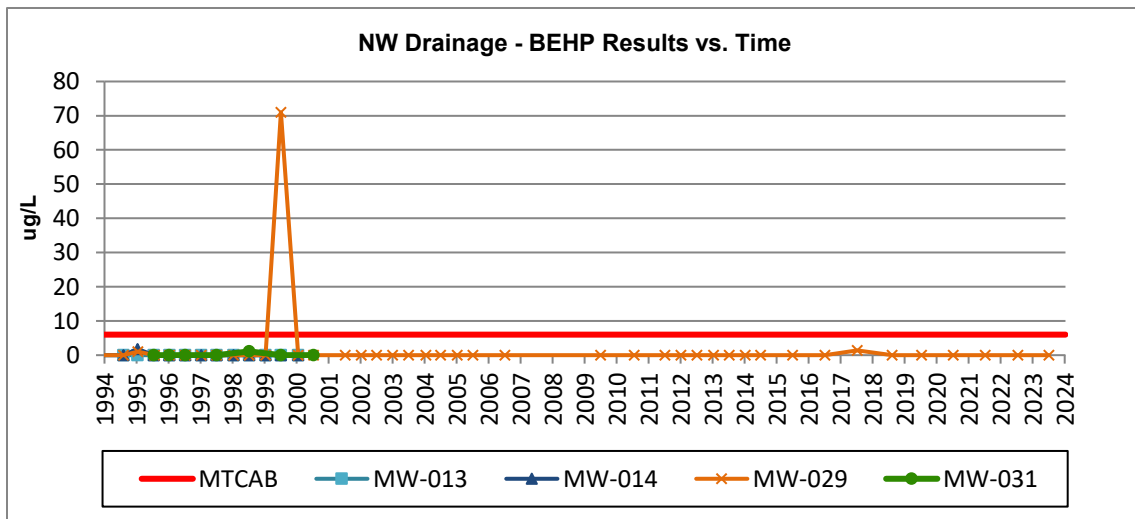
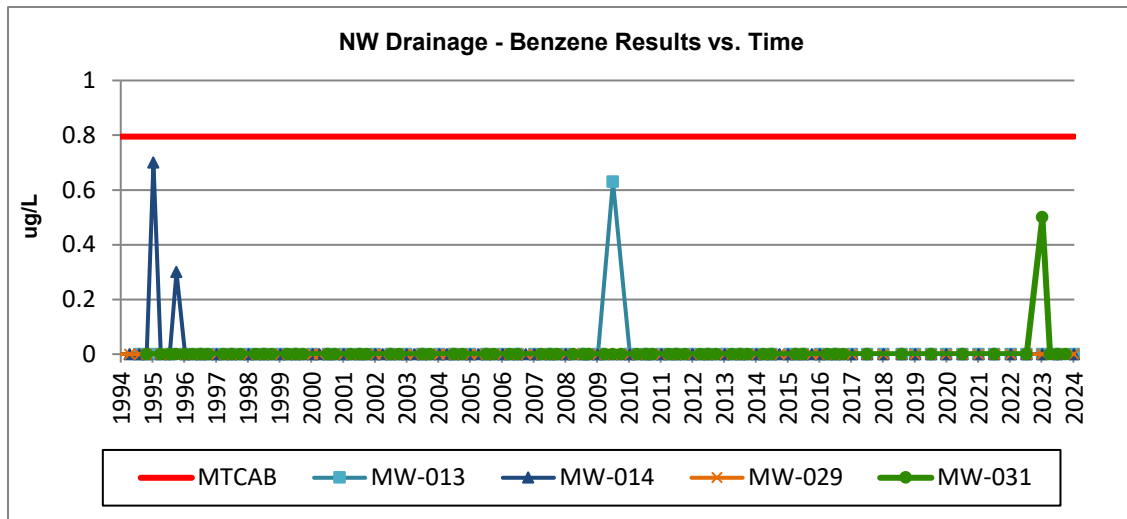
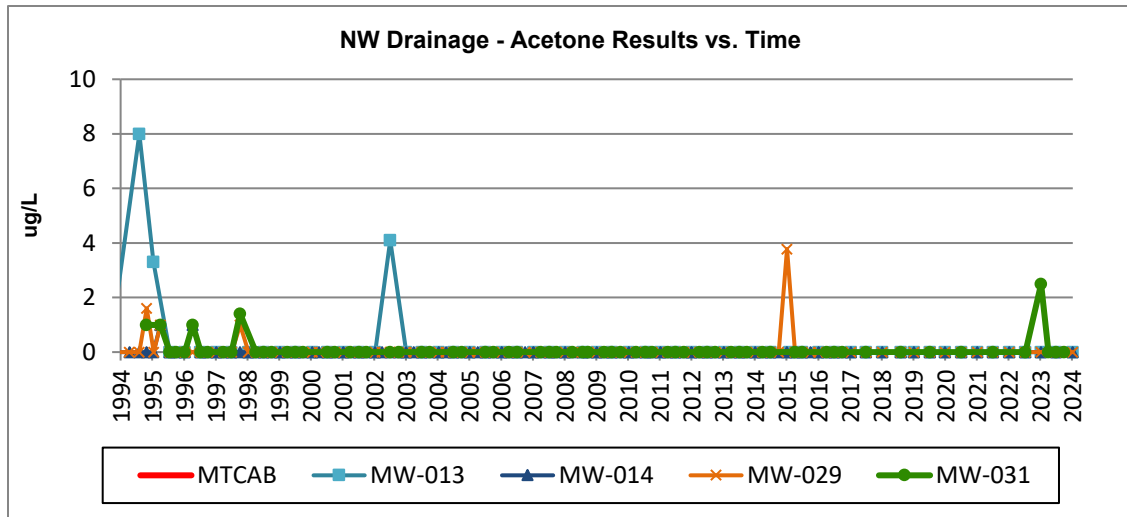


Figure 2-17: NW Wells – VOCs / SVOCs Concentration Graphs (cont.)



NW Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-18: NW Wells – Inorganics Concentration Graphs

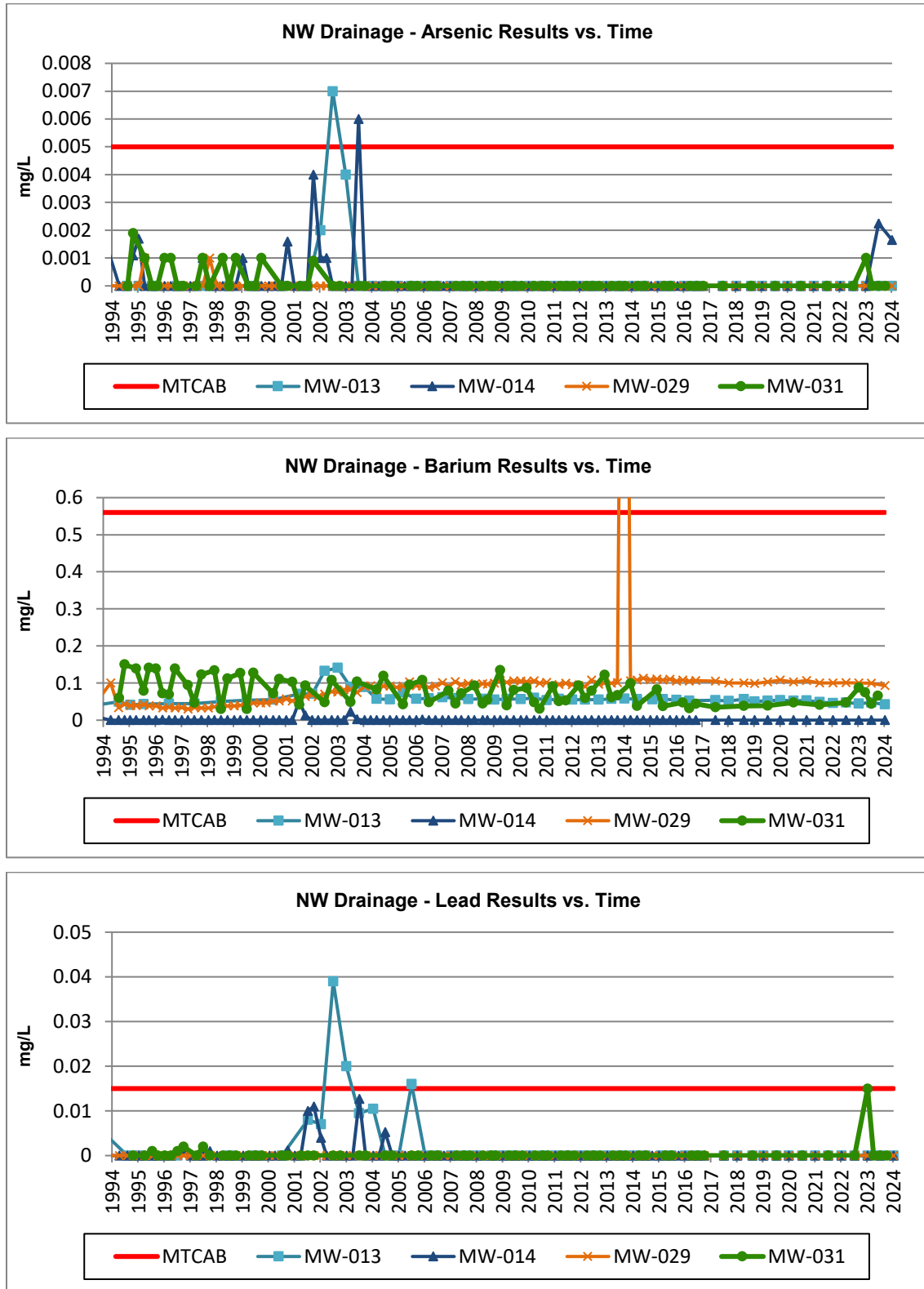
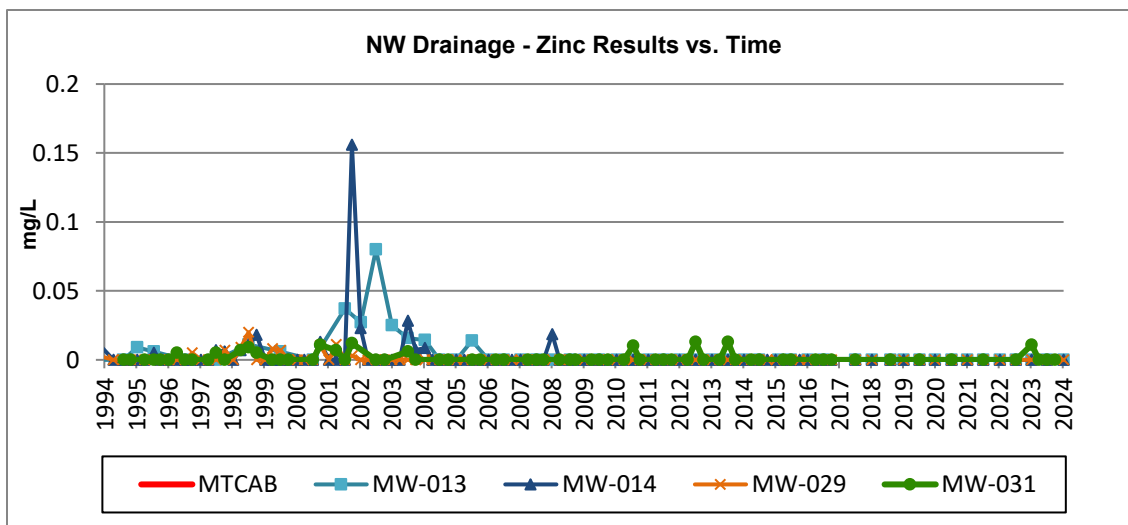
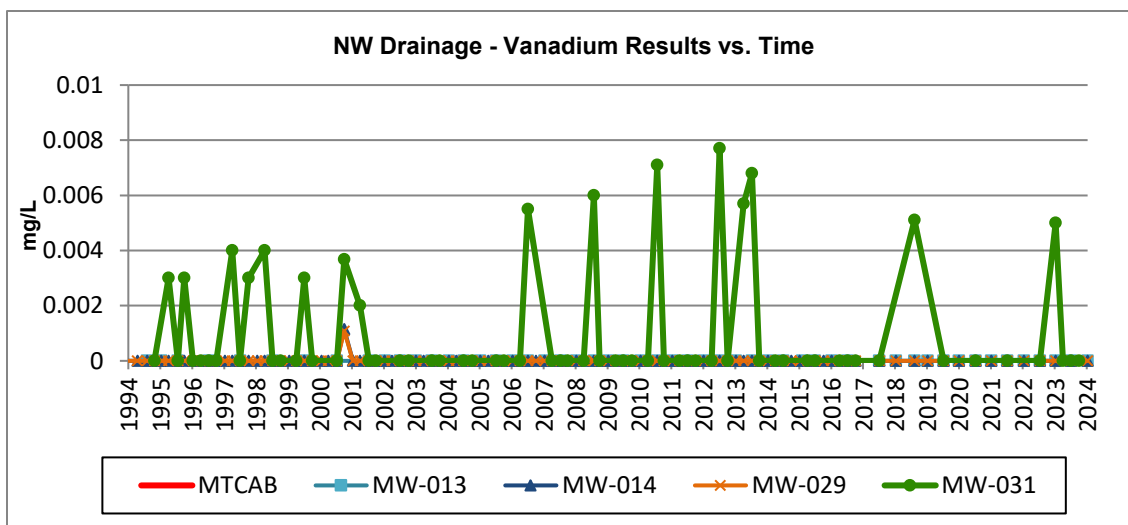
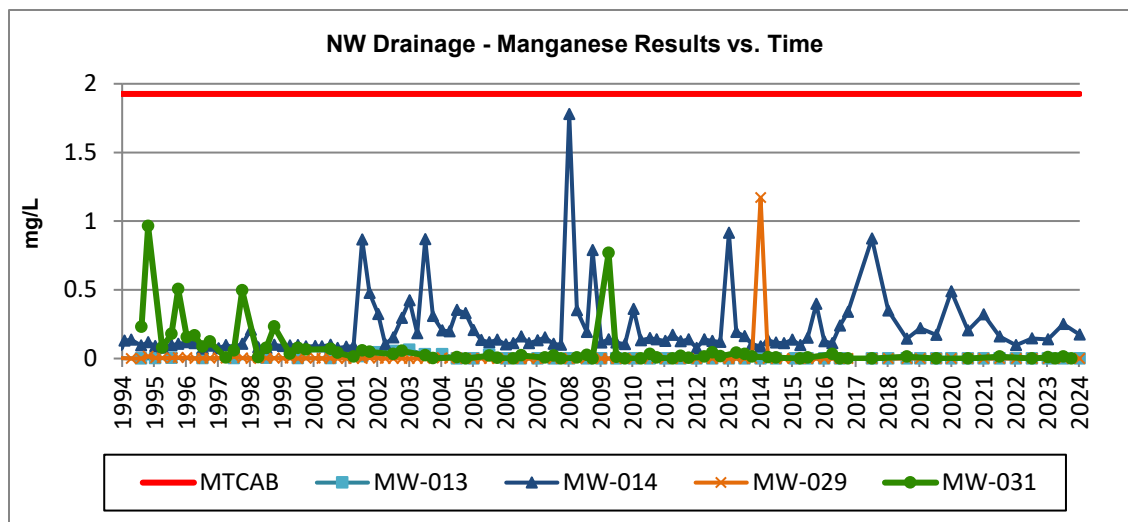


Figure 2-19: NW Wells – Inorganics Concentration Graphs (cont.)



NW Drainage Monitoring Wells: Conventional Time Series Graphs

Figure 2-20: NW Wells – Conventional Concentration Graphs

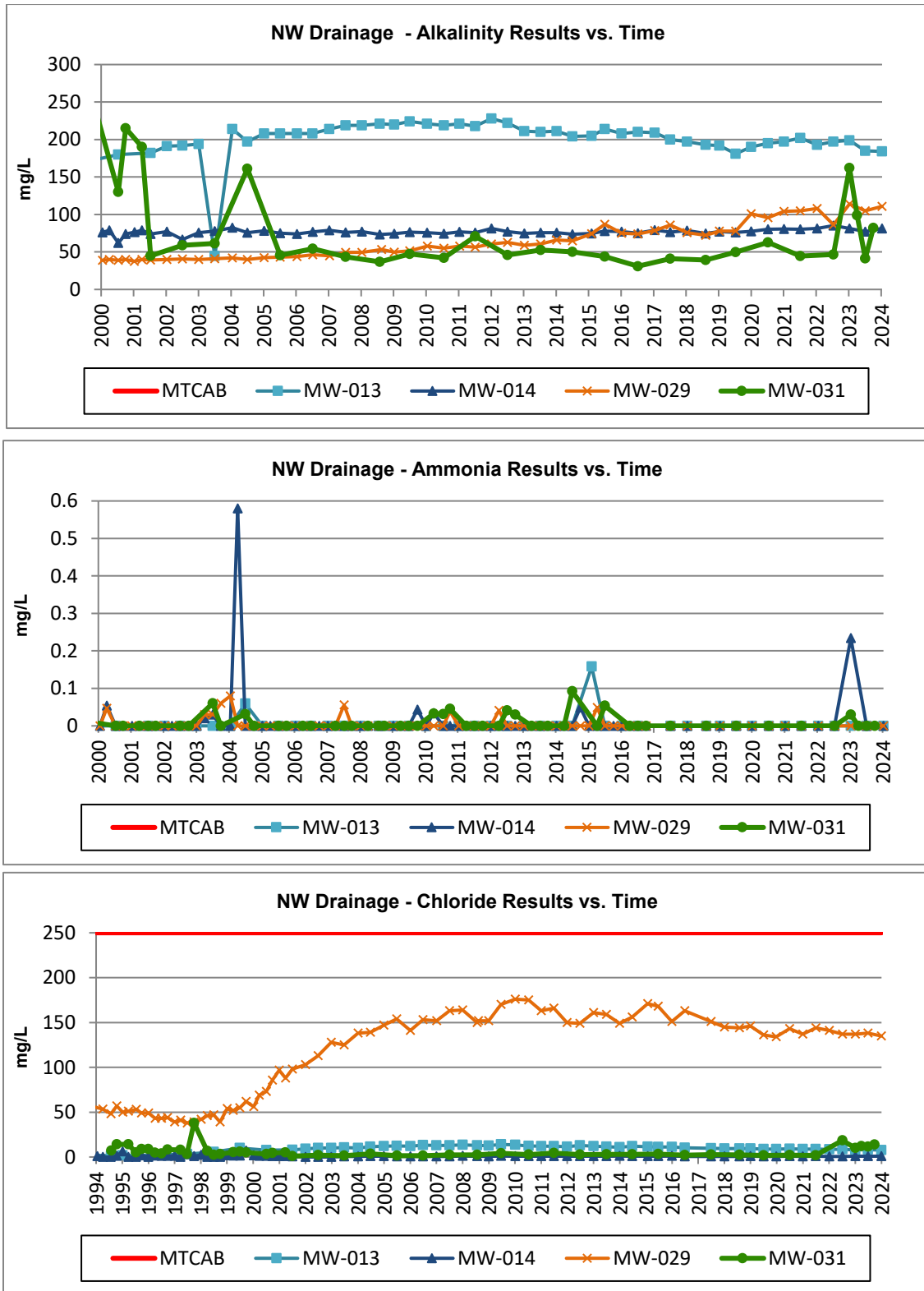


Figure 2-21: NW Wells – Conventional Concentration Graphs (cont.)

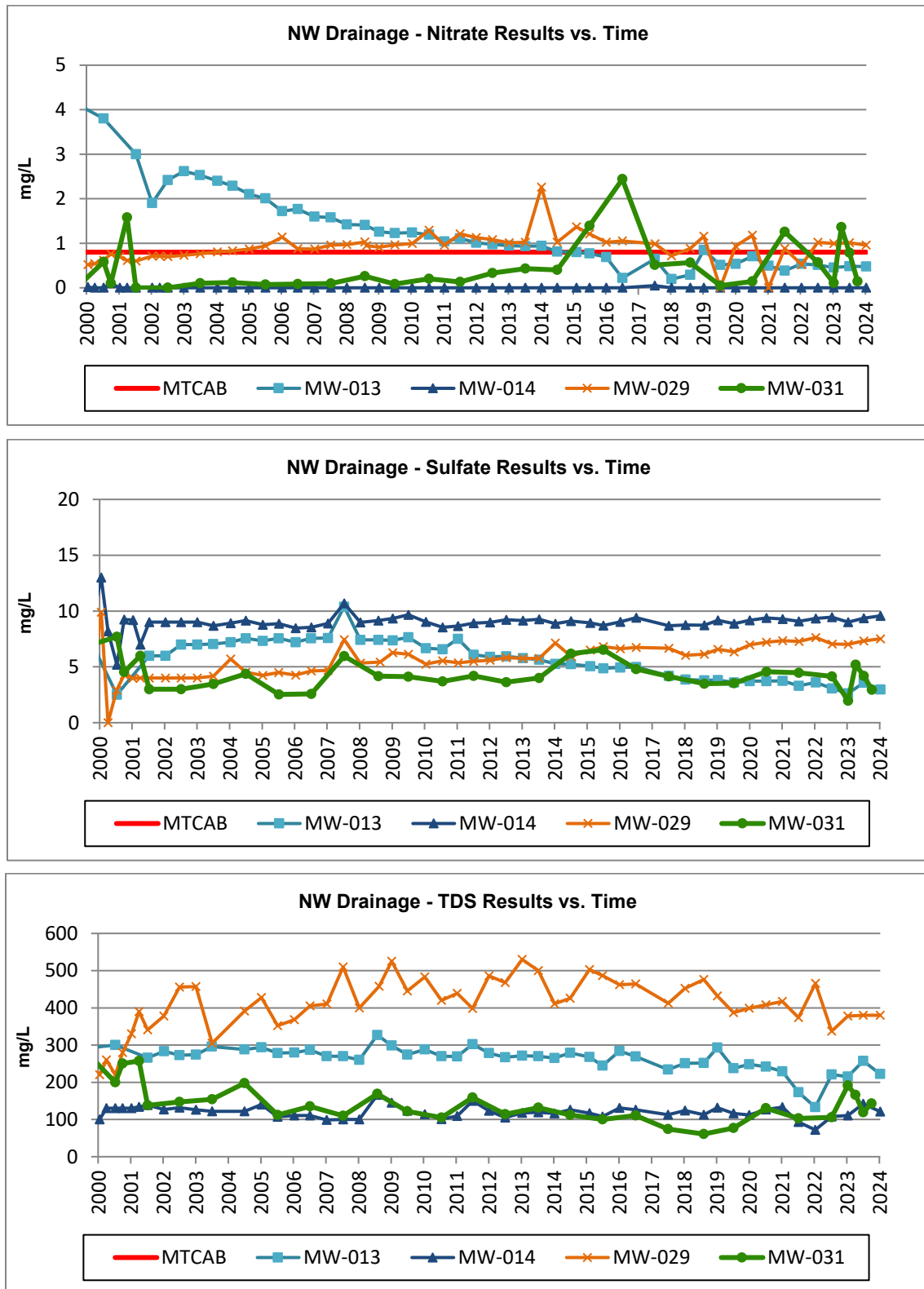
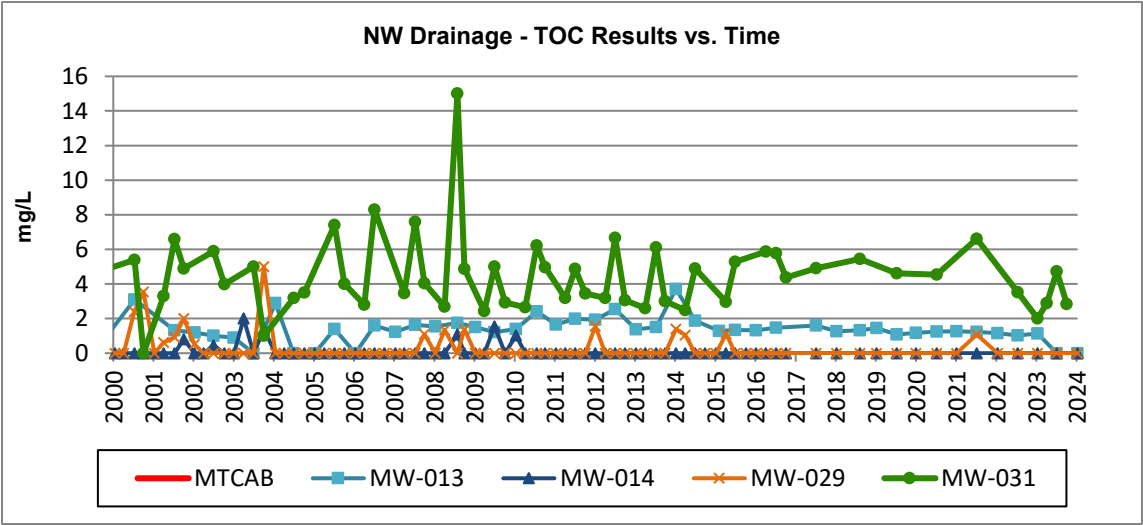


Figure 2-22: NW Wells – Conventional Concentration Graphs (cont.)



NW Analyte Concentrations: Summary of 5-year and 1-year differences:

StationID	Drainage	Analyte	2019 Results	2023 Results	2024 Results	5-Year Difference	1-Year Difference	Units	Type
MW-013	Northwest	ALK	192	199	184	-8	-15	mg/L as Ca	C
MW-013	Northwest	Cl	9.36	8.05	7.79	-1.57	-0.26	mg/L	C
MW-013	Northwest	N-NH3	0	0	0	0	0	mg/L	C
MW-013	Northwest	N-NO3	0.846	0.451	0.479	-0.367	0.028	mg/L	C
MW-013	Northwest	SO4	3.81	2.62	2.97	-0.84	0.35	mg/L	C
MW-013	Northwest	TDS	293	215	222	-71	7	mg/L	C
MW-013	Northwest	TOC	1.46	1.14	0	-1.46	-1.14	mg/L	C
MW-014	Northwest	ALK	77.2	81.2	81.2	4	0	mg/L as Ca	C
MW-014	Northwest	Cl	0.79	0.86	0.81	0.02	-0.05	mg/L	C
MW-014	Northwest	N-NH3	0	0.234	0	0	-0.234	mg/L	C
MW-014	Northwest	N-NO3	0	0	0	0	0	mg/L	C
MW-014	Northwest	SO4	9.17	9	9.56	0.39	0.56	mg/L	C
MW-014	Northwest	TDS	132	111	121	-11	10	mg/L	C
MW-014	Northwest	TOC	0	0	0	0	0	mg/L	C
MW-029	Northwest	ALK	77.8	114	111	33.2	-3	mg/L as Ca	C
MW-029	Northwest	Cl	146	137	135	-11	-2	mg/L	C
MW-029	Northwest	N-NH3	0	0	0	0	0	mg/L	C
MW-029	Northwest	N-NO3	1.16	0.992	0.959	-0.201	-0.033	mg/L	C
MW-029	Northwest	SO4	6.57	7.01	7.51	0.94	0.5	mg/L	C
MW-029	Northwest	TDS	432	378	380	-52	2	mg/L	C
MW-029	Northwest	TOC	0	0	0	0	0	mg/L	C
MW-031	Northwest	ALK	N/A	162	82.2	N/A	-79.8	mg/L as Ca	C
MW-031	Northwest	Cl	N/A	10	13.7	N/A	3.7	mg/L	C
MW-031	Northwest	N-NH3	N/A	0	0	N/A	0	mg/L	C
MW-031	Northwest	N-NO3	N/A	0.11	0.142	N/A	0.032	mg/L	C
MW-031	Northwest	SO4	N/A	1.97	2.96	N/A	0.99	mg/L	C
MW-031	Northwest	TDS	N/A	191	143	N/A	-48	mg/L	C
MW-031	Northwest	TOC	N/A	2.01	2.84	N/A	0.83	mg/L	C
MW-013	Northwest	As	0	0	0	0	0	mg/L	I
MW-013	Northwest	Ba	0.0506	0.0445	0.0425	-0.0081	-0.002	mg/L	I
MW-013	Northwest	Mn	0	0	0	0	0	mg/L	I
MW-013	Northwest	Pb	0	0	0	0	0	mg/L	I
MW-013	Northwest	Zn	0	0	0	0	0	mg/L	I
MW-014	Northwest	As	0	0	0.00165	0.00165	0.00165	mg/L	I
MW-014	Northwest	Ba	0	0	0	0	0	mg/L	I
MW-014	Northwest	Mn	0.22	0.14	0.173	-0.047	0.033	mg/L	I
MW-014	Northwest	Pb	0	0	0	0	0	mg/L	I
MW-014	Northwest	Zn	0	0	0	0	0	mg/L	I
MW-029	Northwest	As	0	0	0	0	0	mg/L	I
MW-029	Northwest	Ba	0.099	0.1	0.093	-0.006	-0.007	mg/L	I
MW-029	Northwest	Mn	0	0	0	0	0	mg/L	I
MW-029	Northwest	Pb	0	0	0	0	0	mg/L	I
MW-029	Northwest	Zn	0	0	0	0	0	mg/L	I
MW-031	Northwest	As	N/A	0	0	N/A	0	mg/L	I
MW-031	Northwest	Ba	N/A	0.0873	0.066	N/A	-0.0213	mg/L	I
MW-031	Northwest	Mn	N/A	0	0	N/A	0	mg/L	I

StationID	Drainage	Analyte	2019 Results	2023 Results	2024 Results	5-Year Difference	1-Year Difference	Units	Type
MW-031	Northwest	Pb	N/A	0	0	N/A	0	mg/L	I
MW-031	Northwest	Zn	N/A	0.0109	0	N/A	-0.0109	mg/L	I
MW-013	Northwest	1,2-DCP	0	0	0	0	0	ug/L	V
MW-013	Northwest	Acetone	0	0	0	0	0	ug/L	V
MW-013	Northwest	Benzene	0	0	0	0	0	ug/L	V
MW-013	Northwest	DCA	1.12	0.73	0	-1.12	-0.73	ug/L	V
MW-013	Northwest	MC	0	0	0	0	0	ug/L	V
MW-013	Northwest	PCE	0	0	0	0	0	ug/L	V
MW-013	Northwest	TCE	0	0	0	0	0	ug/L	V
MW-013	Northwest	Toluene	0	0	0	0	0	ug/L	V
MW-013	Northwest	VC	0	0	0	0	0	ug/L	V
MW-014	Northwest	1,2-DCP	0	0	0	0	0	ug/L	V
MW-014	Northwest	Acetone	0	0	0	0	0	ug/L	V
MW-014	Northwest	Benzene	0	0	0	0	0	ug/L	V
MW-014	Northwest	DCA	0	0	0	0	0	ug/L	V
MW-014	Northwest	MC	0	0	0	0	0	ug/L	V
MW-014	Northwest	PCE	0	0	0	0	0	ug/L	V
MW-014	Northwest	TCE	0	0	0	0	0	ug/L	V
MW-014	Northwest	Toluene	0	0	0	0	0	ug/L	V
MW-014	Northwest	VC	0	0	0	0	0	ug/L	V
MW-029	Northwest	1,2-DCP	0	0	0	0	0	ug/L	V
MW-029	Northwest	Acetone	0	0	0	0	0	ug/L	V
MW-029	Northwest	Benzene	0	0	0	0	0	ug/L	V
MW-029	Northwest	DCA	0	0	0	0	0	ug/L	V
MW-029	Northwest	MC	0	0	0	0	0	ug/L	V
MW-029	Northwest	PCE	0	0.52	0	0	-0.52	ug/L	V
MW-029	Northwest	TCE	0	0	0	0	0	ug/L	V
MW-029	Northwest	Toluene	0	0	0	0	0	ug/L	V
MW-029	Northwest	VC	0	0	0	0	0	ug/L	V
MW-031	Northwest	1,2-DCP	N/A	0	0	N/A	0	ug/L	V
MW-031	Northwest	Acetone	N/A	0	0	N/A	0	ug/L	V
MW-031	Northwest	Benzene	N/A	0	0	N/A	0	ug/L	V
MW-031	Northwest	DCA	N/A	0	0	N/A	0	ug/L	V
MW-031	Northwest	MC	N/A	0	0	N/A	0	ug/L	V
MW-031	Northwest	PCE	N/A	0	0	N/A	0	ug/L	V
MW-031	Northwest	TCE	N/A	0	0	N/A	0	ug/L	V
MW-031	Northwest	Toluene	N/A	0	0	N/A	0	ug/L	V
MW-031	Northwest	VC	N/A	0	0	N/A	0	ug/L	V

Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

Decreases in analyte concentrations are highlighted in **BLUE**.

SW Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

Figure 2-23: SW Wells – VOCs / SVOCs Concentration Graphs

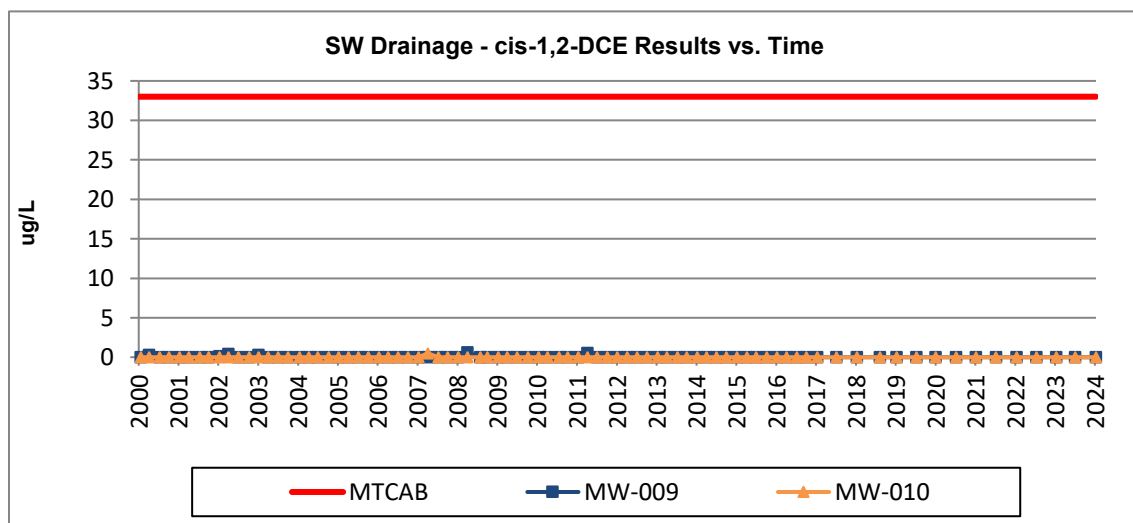
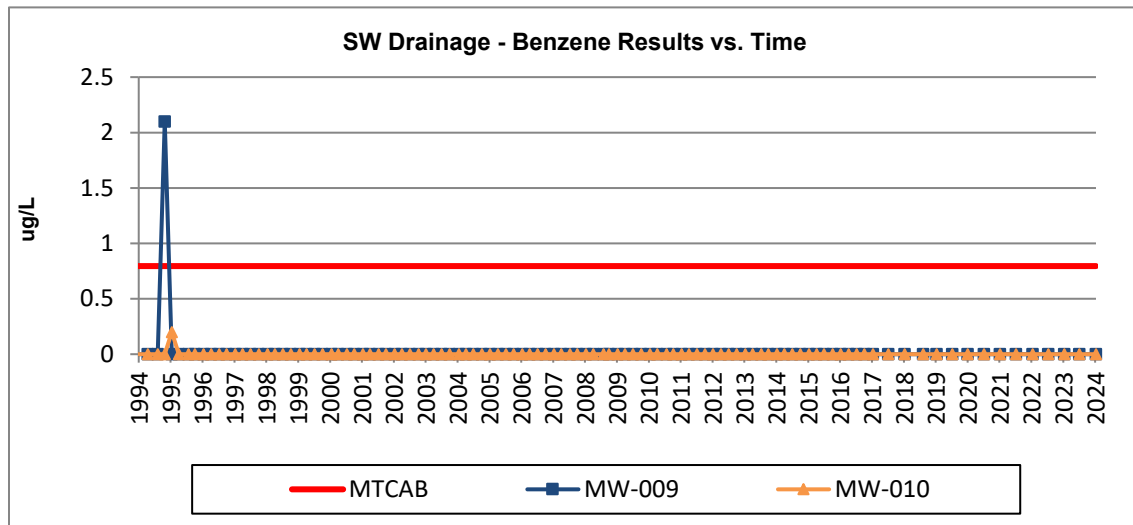
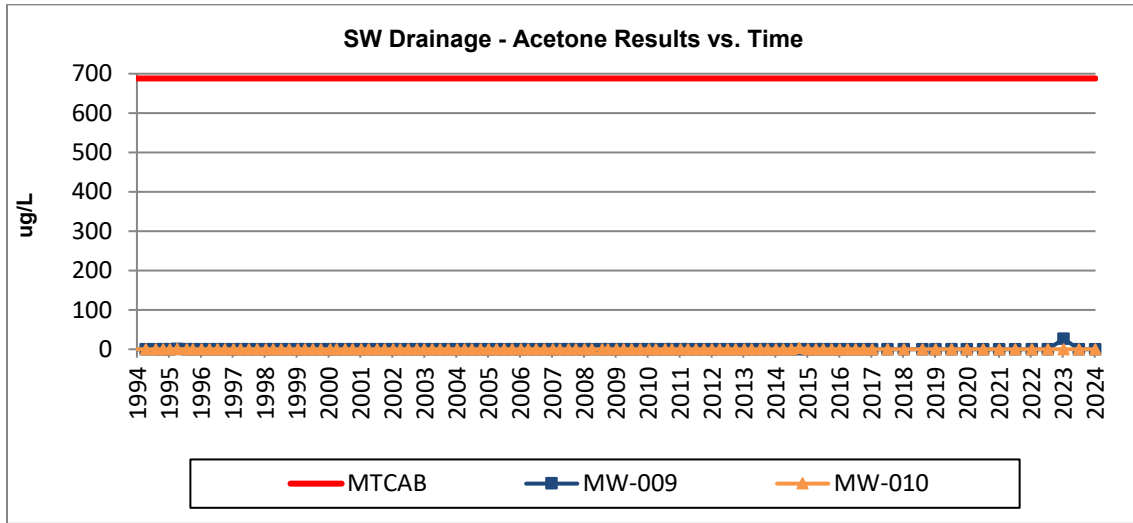


Figure 2-24: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)

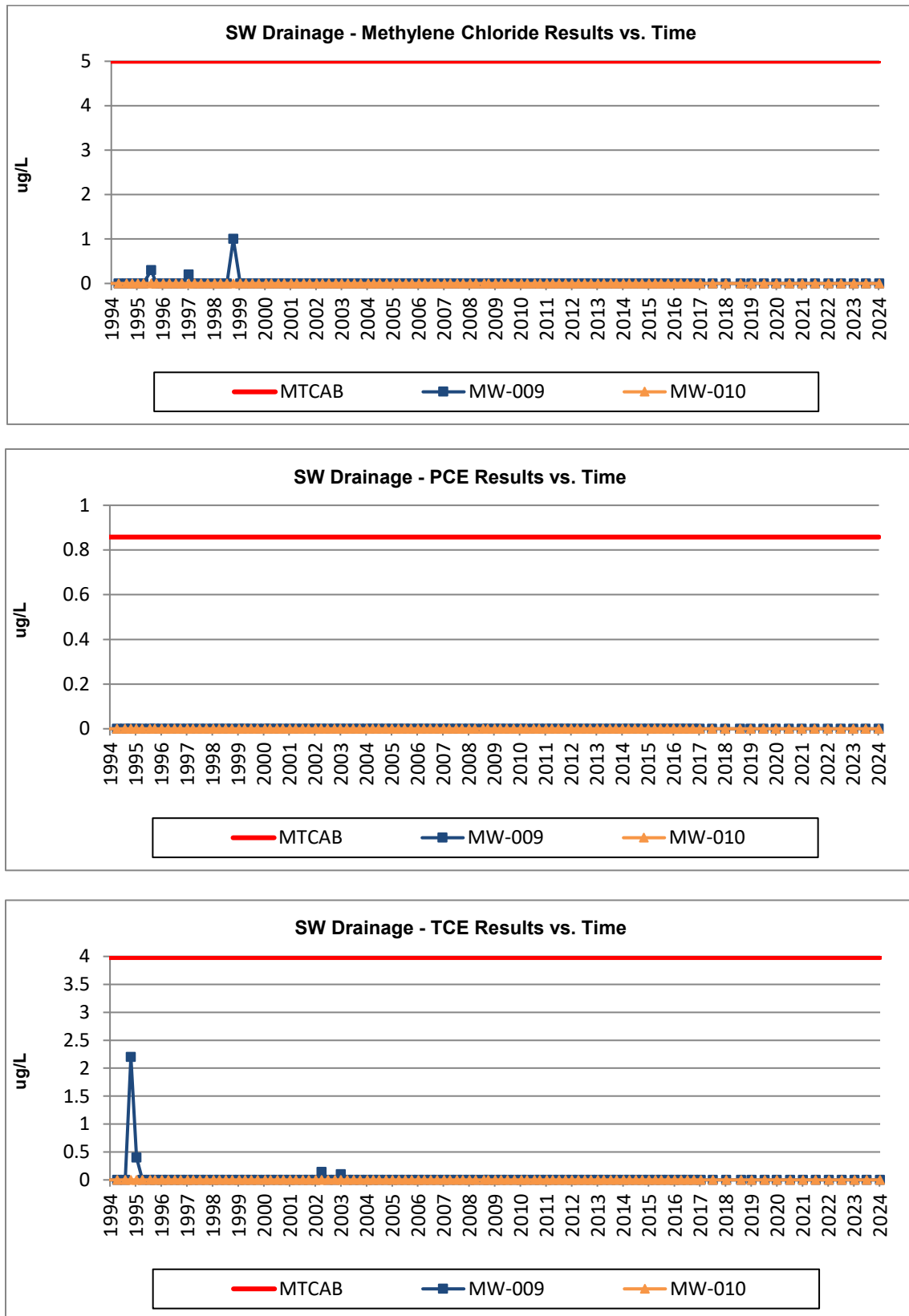


Figure 2-25: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)

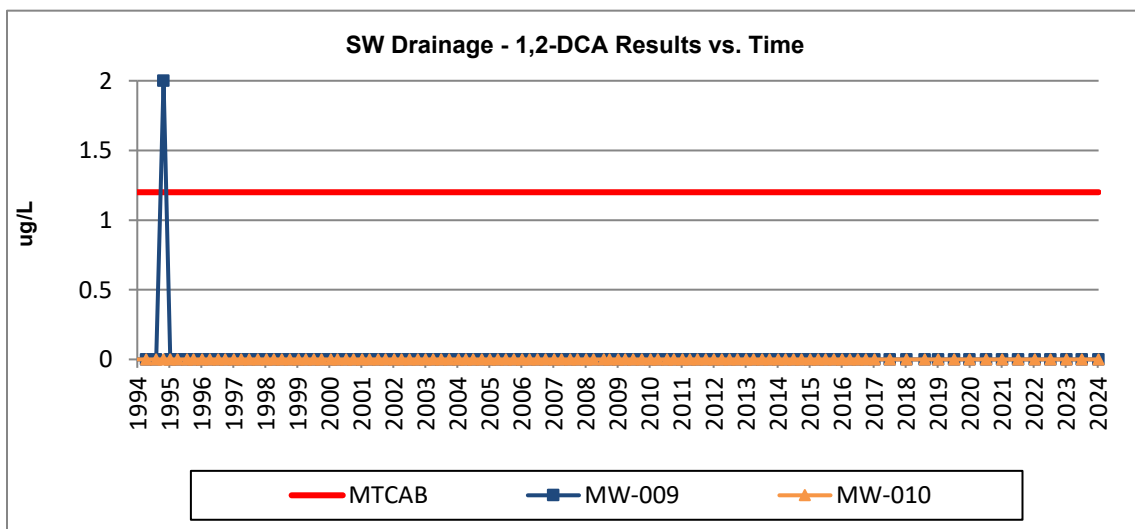
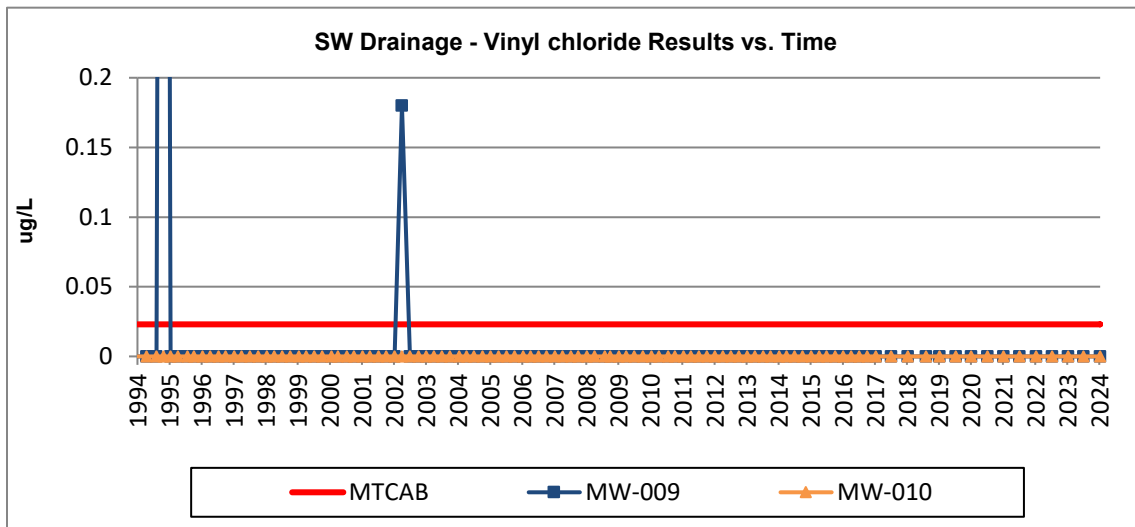
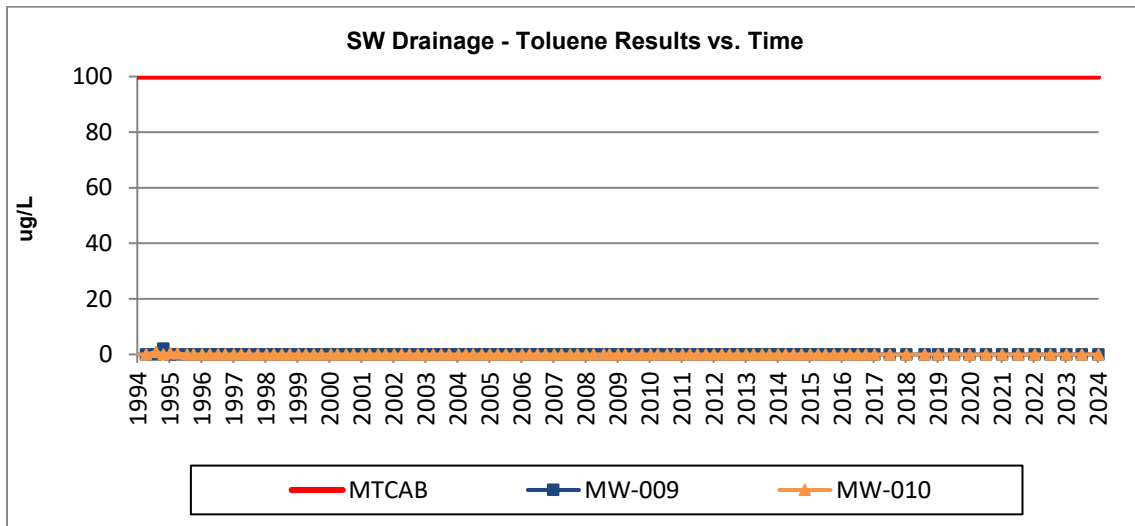
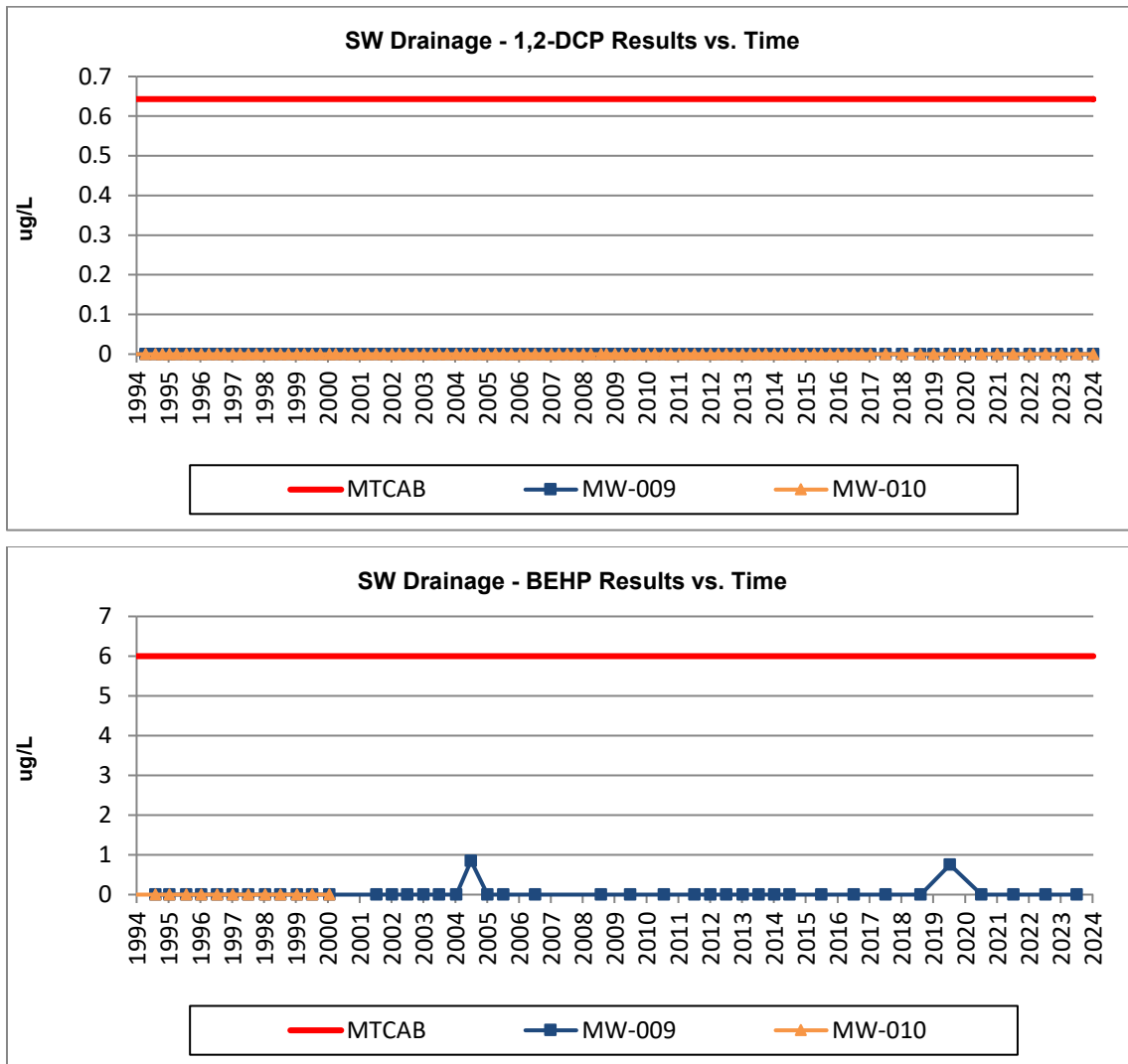


Figure 2-26: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)



SW Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-27: SW Wells – Inorganics Concentration Graphs

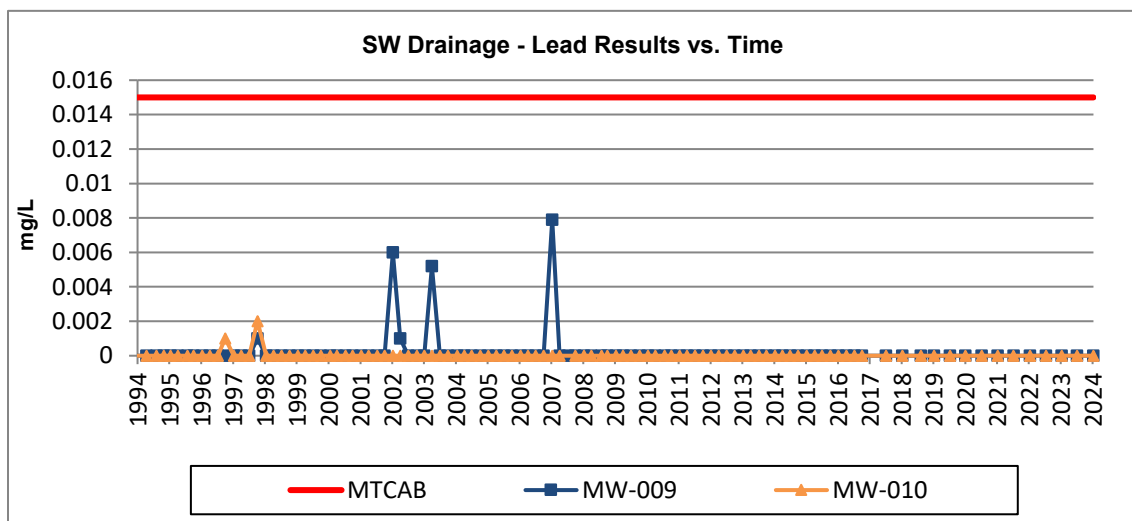
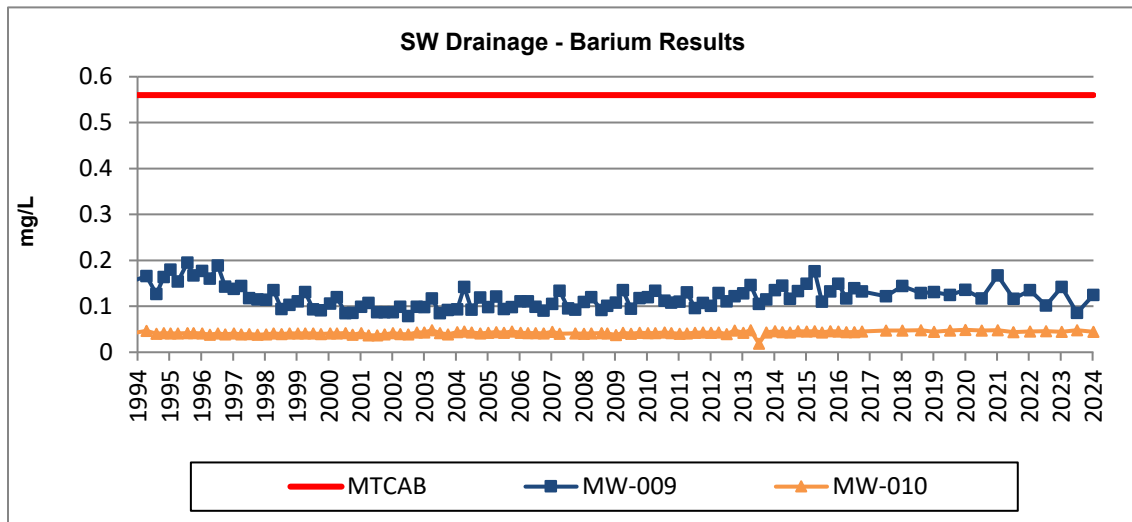
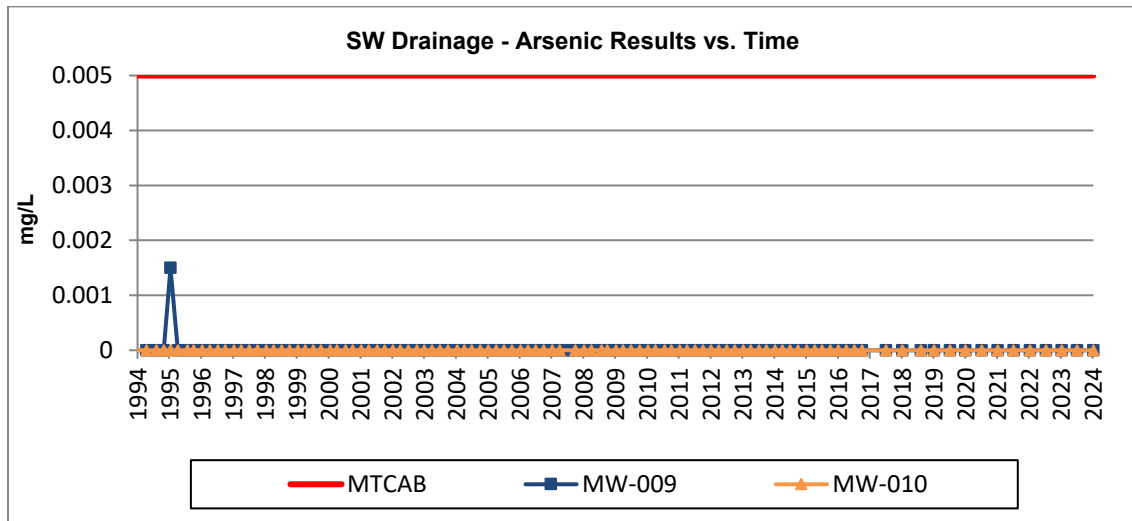
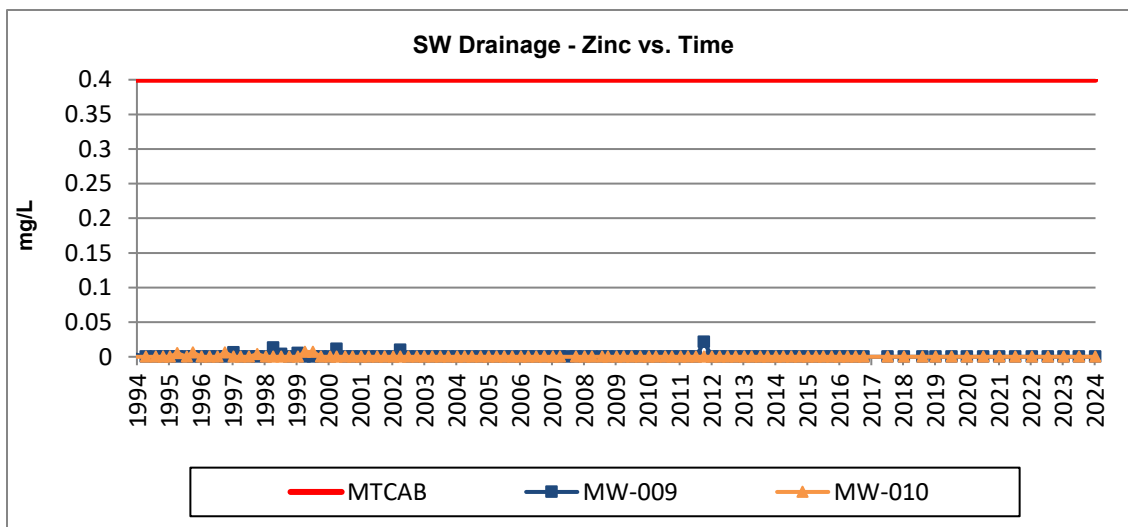
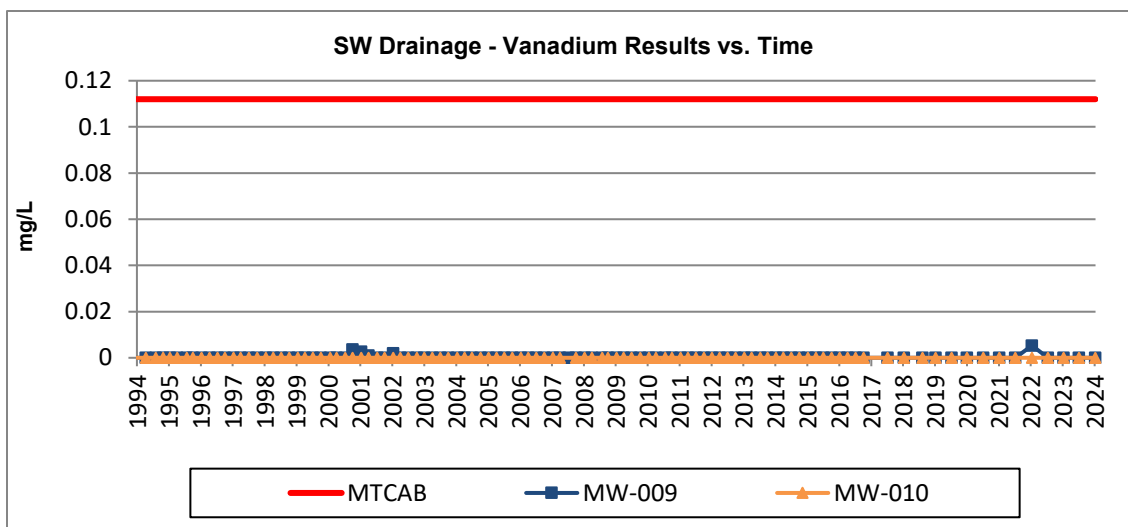
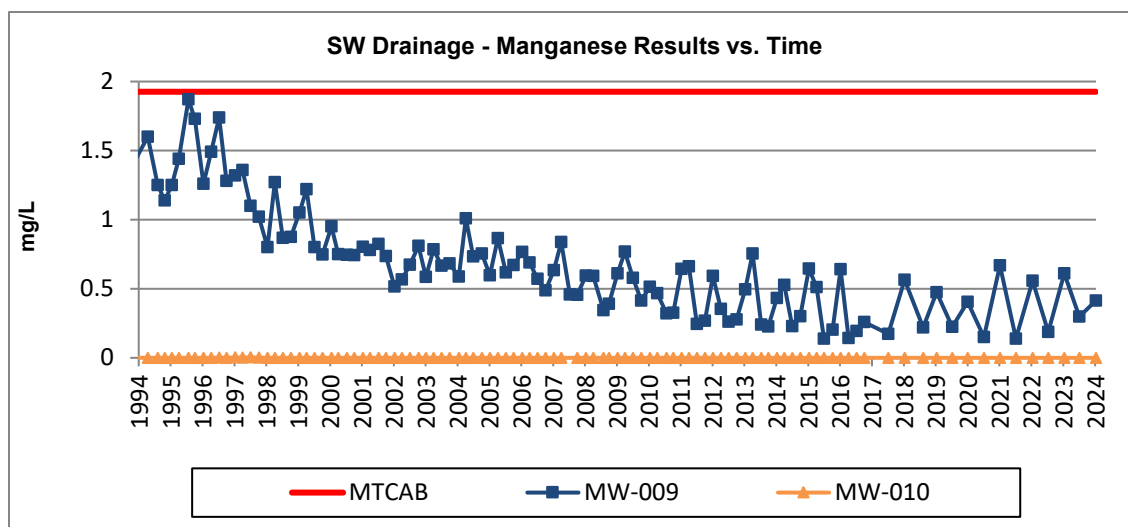


Figure 2-28: SW Wells – Inorganics Concentration Graphs (cont.)



SW Drainage Monitoring Wells: Conventional Time Series Graphs

Figure 2-29: SW Wells – Conventional Concentration Graphs

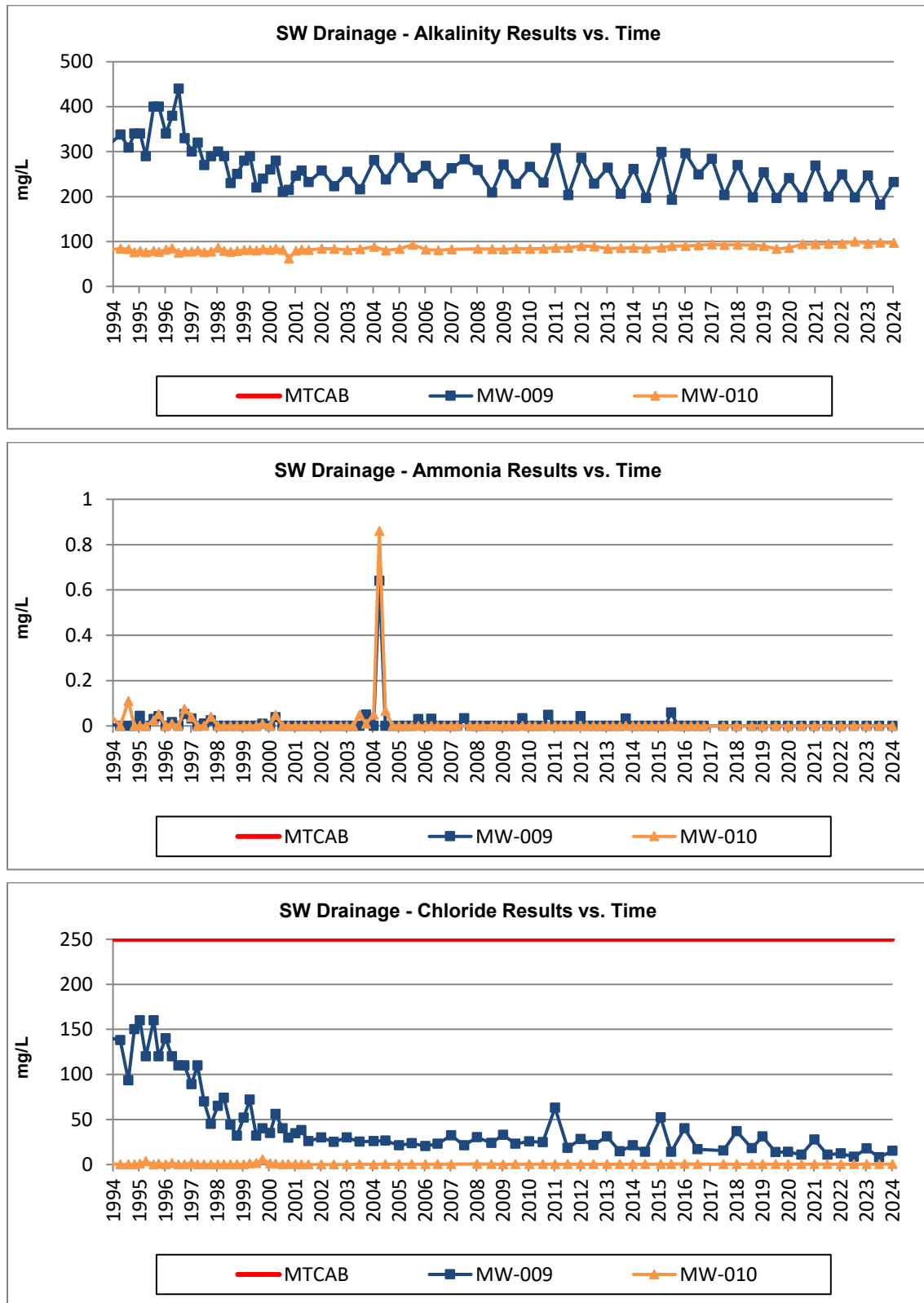


Figure 2-30: SW Wells – Conventional Concentration Graphs (cont.)

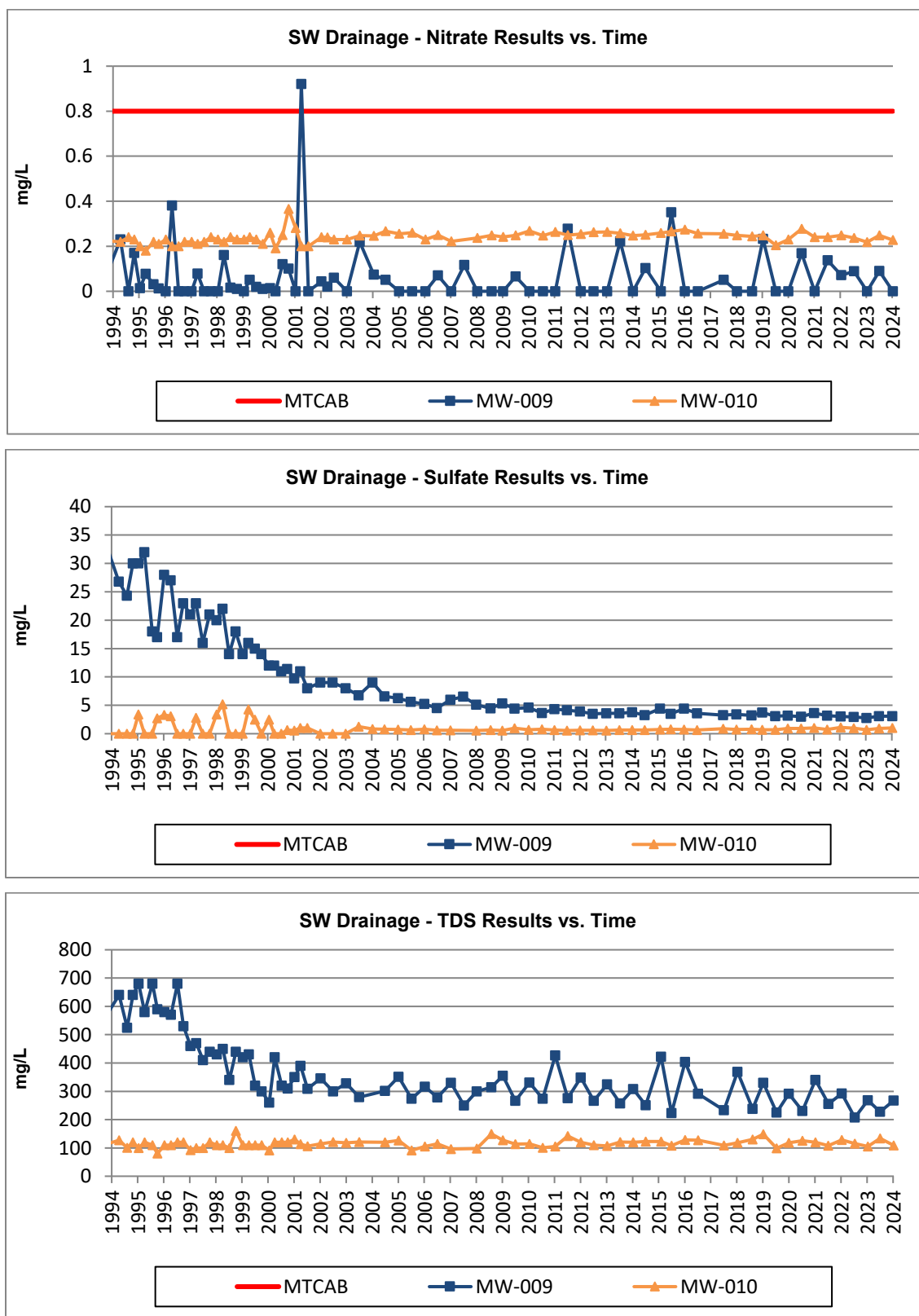
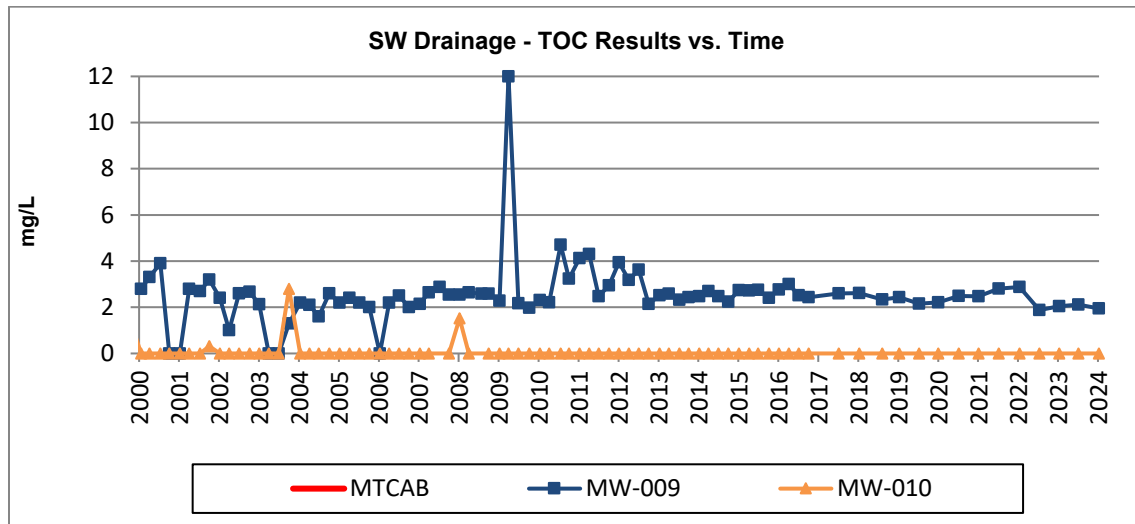


Figure 2-31: SW Wells – Conventional Concentration Graphs (cont.)



SW Analyte Concentrations: Summary of 5-year and 1-year differences:

StationID	Drainage	Analyte	2019 Results	2023 Results	2024 Results	5-Year Difference	1-Year Difference	Units	Type
MW-009	Southwest	ALK	254	247	232	-22	-15	mg/L as Ca	C
MW-009	Southwest	Cl	31	17.7	15.2	-15.8	-2.5	mg/L	C
MW-009	Southwest	N-NH3	0	0	0	0	0	mg/L	C
MW-009	Southwest	N-NO3	0.232	0	0	-0.232	0	mg/L	C
MW-009	Southwest	SO4	3.71	2.78	3.1	-0.61	0.32	mg/L	C
MW-009	Southwest	TDS	330	268	267	-63	-1	mg/L	C
MW-009	Southwest	TOC	2.44	2.04	1.95	-0.49	-0.09	mg/L	C
MW-010	Southwest	ALK	89.7	95.3	96.7	7	1.4	mg/L as Ca	C
MW-010	Southwest	Cl	0.39	0.44	0.5	0.11	0.06	mg/L	C
MW-010	Southwest	N-NH3	0	0	0	0	0	mg/L	C
MW-010	Southwest	N-NO3	0.248	0.218	0.228	-0.02	0.01	mg/L	C
MW-010	Southwest	SO4	0.69	0.68	1.02	0.33	0.34	mg/L	C
MW-010	Southwest	TDS	148	105	109	-39	4	mg/L	C
MW-010	Southwest	TOC	0	0	0	0	0	mg/L	C
MW-009	Southwest	As	0	0	0	0	0	mg/L	I
MW-009	Southwest	Ba	0.131	0.142	0.125	-0.006	-0.017	mg/L	I
MW-009	Southwest	Mn	0.474	0.61	0.415	-0.059	-0.195	mg/L	I
MW-009	Southwest	Pb	0	0	0	0	0	mg/L	I
MW-009	Southwest	Zn	0	0	0	0	0	mg/L	I
MW-010	Southwest	As	0	0	0	0	0	mg/L	I
MW-010	Southwest	Ba	0.0445	0.0444	0.0443	-0.0002	-0.0001	mg/L	I
MW-010	Southwest	Mn	0	0	0	0	0	mg/L	I
MW-010	Southwest	Pb	0	0	0	0	0	mg/L	I
MW-010	Southwest	Zn	0	0	0	0	0	mg/L	I
MW-009	Southwest	1,2-DCP	0	0	0	0	0	ug/L	V
MW-009	Southwest	Acetone	0	26.5	0	0	-26.5	ug/L	V
MW-009	Southwest	Benzene	0	0	0	0	0	ug/L	V
MW-009	Southwest	DCA	0	0	0	0	0	ug/L	V
MW-009	Southwest	MC	0	0	0	0	0	ug/L	V
MW-009	Southwest	PCE	0	0	0	0	0	ug/L	V
MW-009	Southwest	TCE	0	0	0	0	0	ug/L	V
MW-009	Southwest	Toluene	0	0	0	0	0	ug/L	V
MW-009	Southwest	VC	0	0	0	0	0	ug/L	V
MW-010	Southwest	1,2-DCP	0	0	0	0	0	ug/L	V
MW-010	Southwest	Acetone	0	0	0	0	0	ug/L	V
MW-010	Southwest	Benzene	0	0	0	0	0	ug/L	V
MW-010	Southwest	DCA	0	0	0	0	0	ug/L	V
MW-010	Southwest	MC	0	0	0	0	0	ug/L	V
MW-010	Southwest	PCE	0	0	0	0	0	ug/L	V
MW-010	Southwest	TCE	0	0	0	0	0	ug/L	V
MW-010	Southwest	Toluene	0	0	0	0	0	ug/L	V
MW-010	Southwest	VC	0	0	0	0	0	ug/L	V

Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

Decreases in analyte concentrations are highlighted in **BLUE**.

SW MW-16 Monitoring Wells: VOCs/SVOCs Time Series Graphs

Figure 2-32: MW-016 VOCs / SVOCs Concentration Graphs

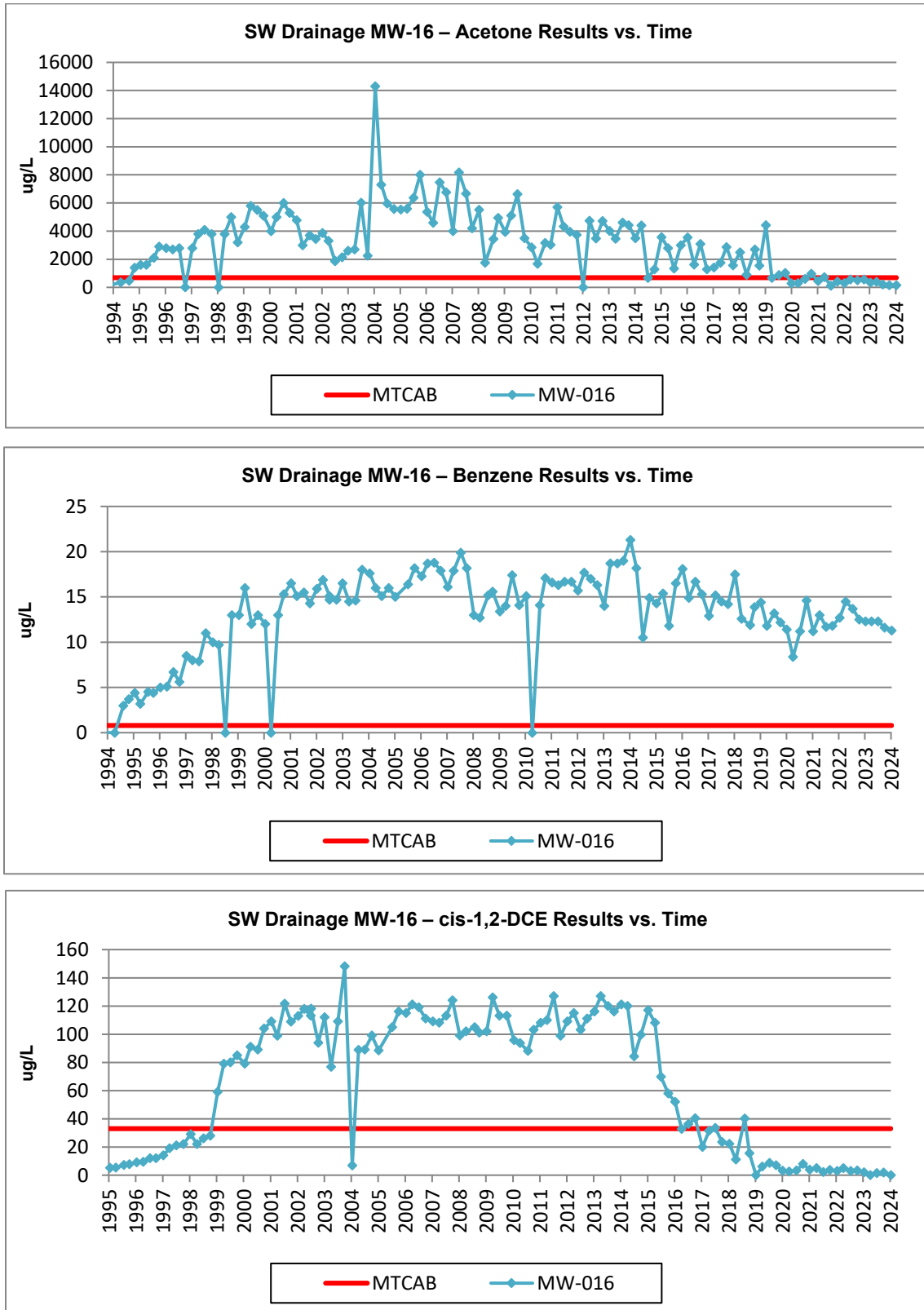


Figure 2-33: MW-016 VOCs / SVOCs Concentration Graphs (cont.)

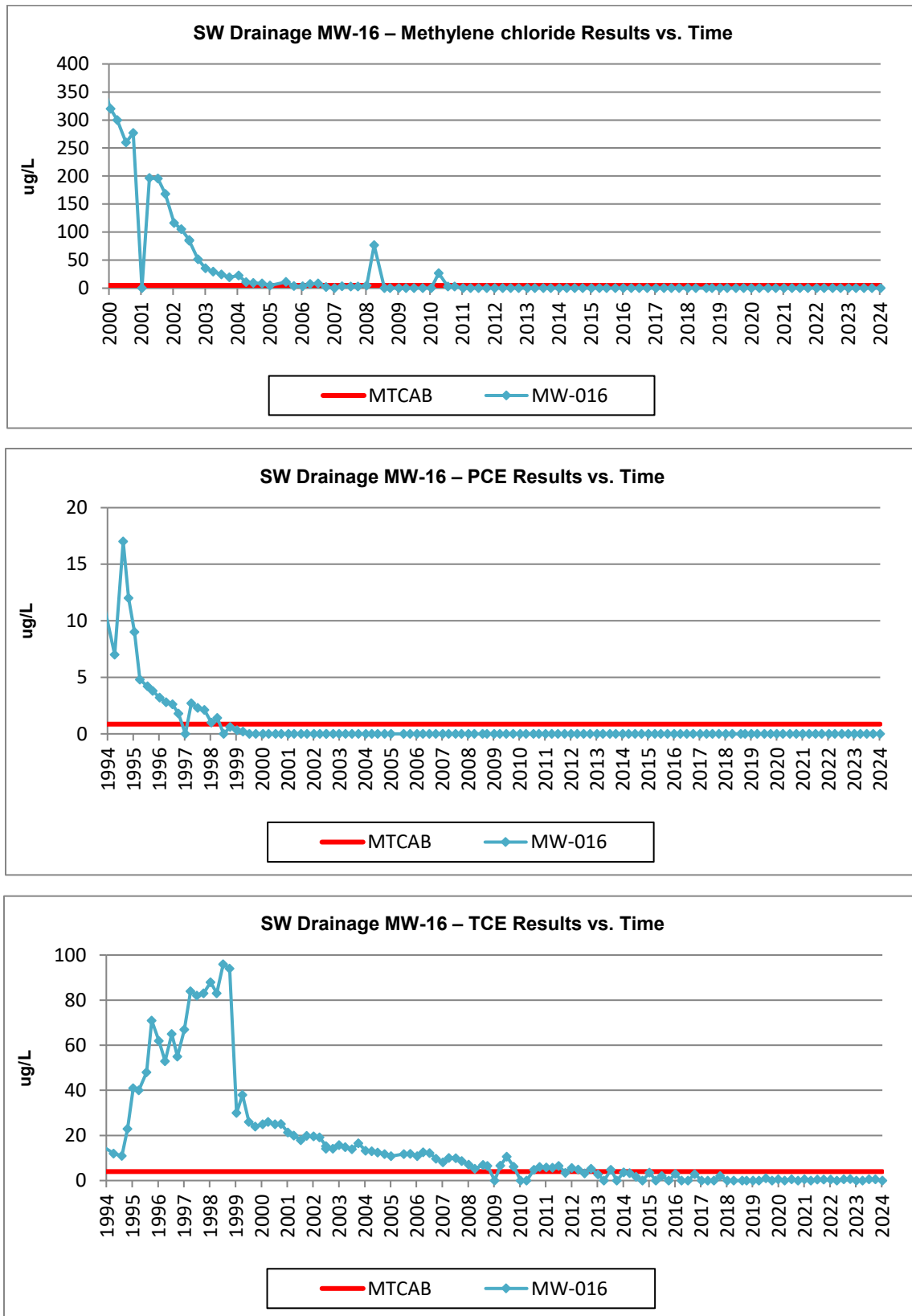


Figure 2-34: MW-016 VOCs / SVOCs Concentration Graphs (cont.)

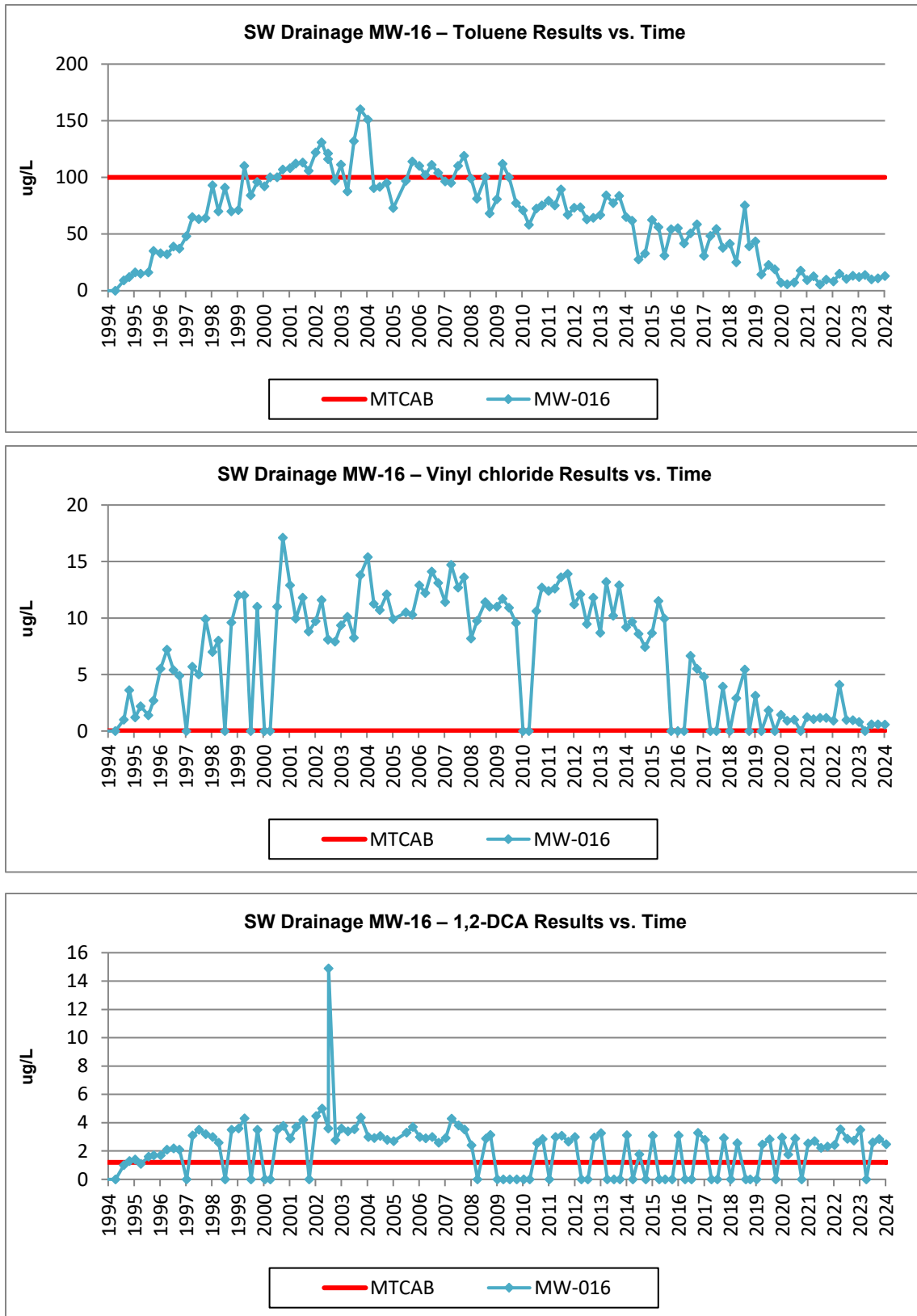
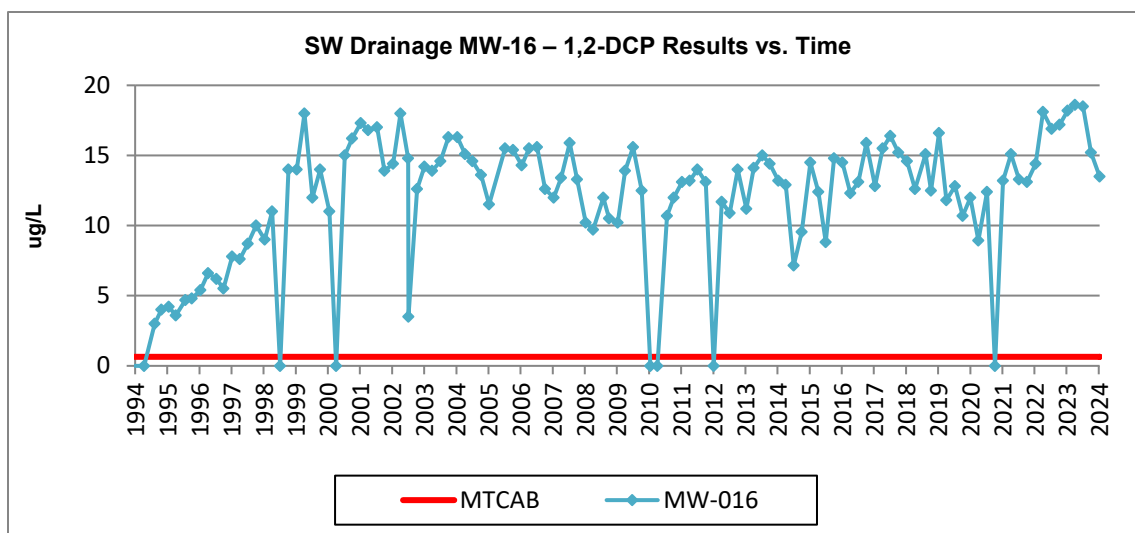


Figure 2-35: MW-016 VOCs / SVOCs Concentration Graphs (cont.)



SW MW-16 Monitoring Wells: Inorganics Time Series Graphs

Figure 2-36: MW-016 Inorganics Concentration Graphs

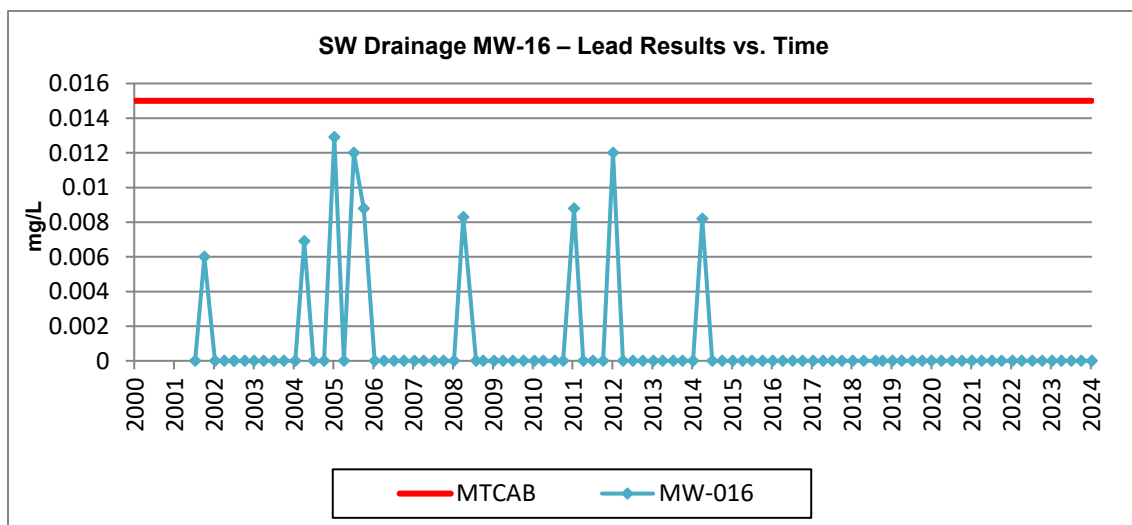
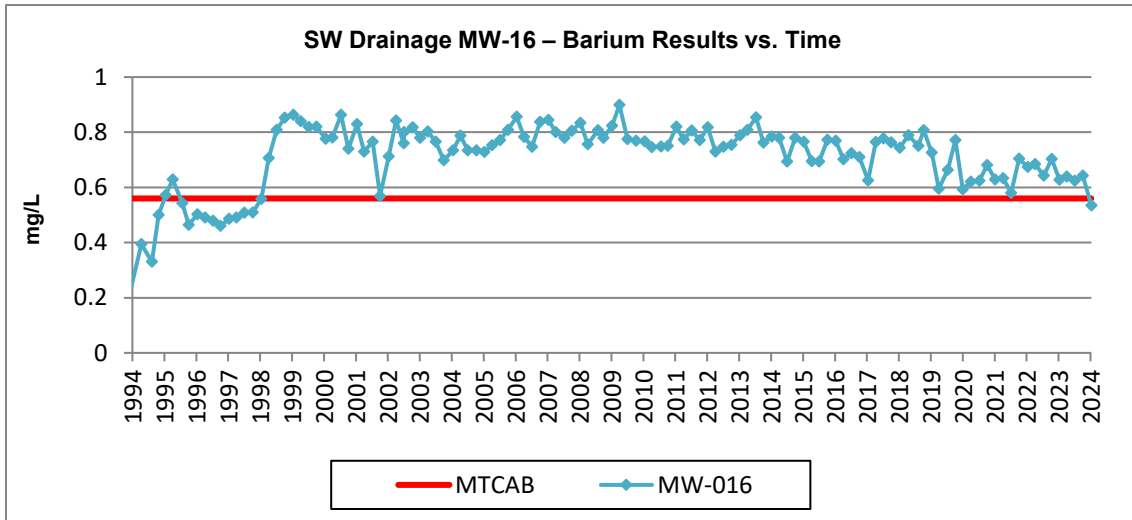
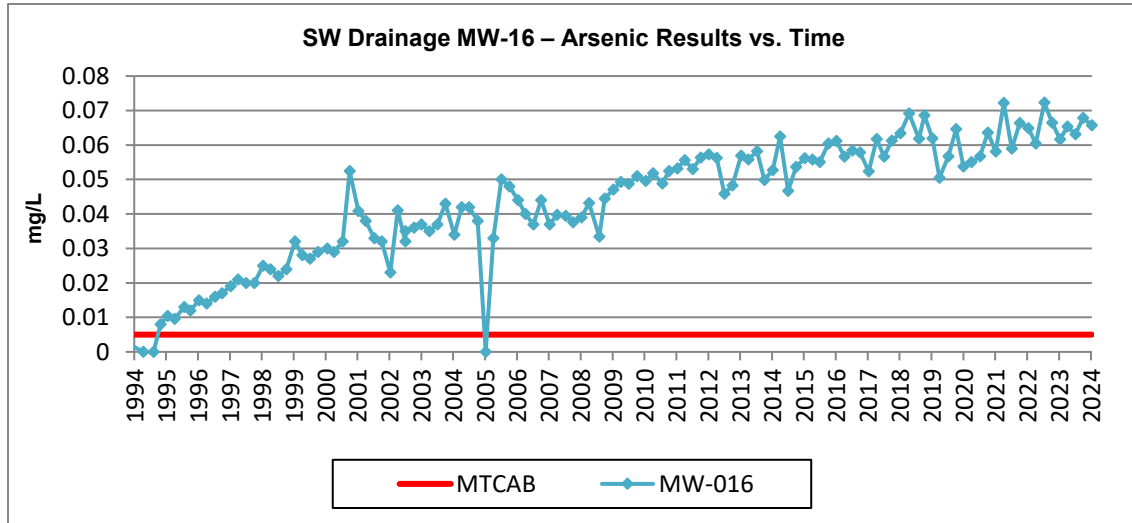
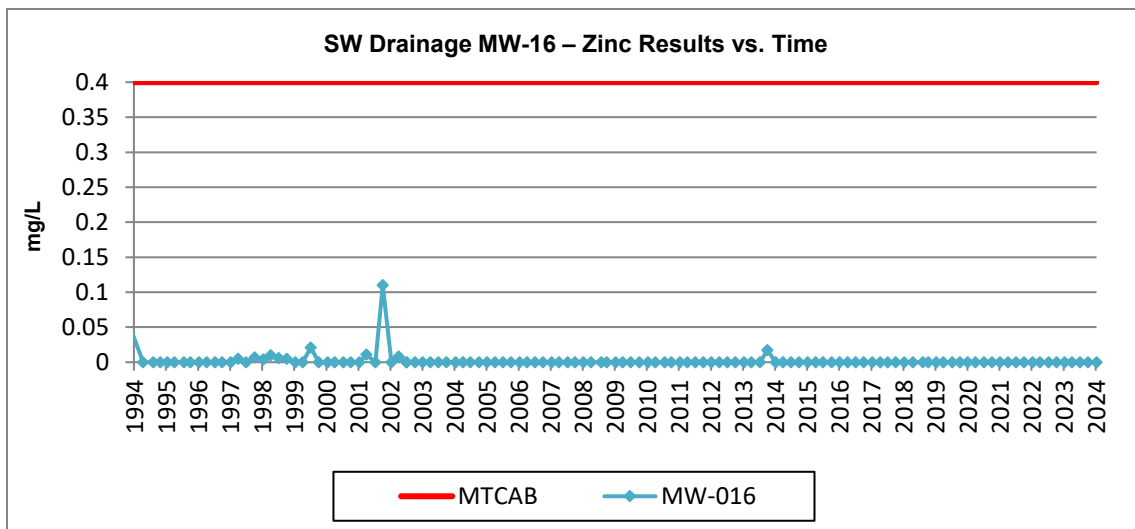
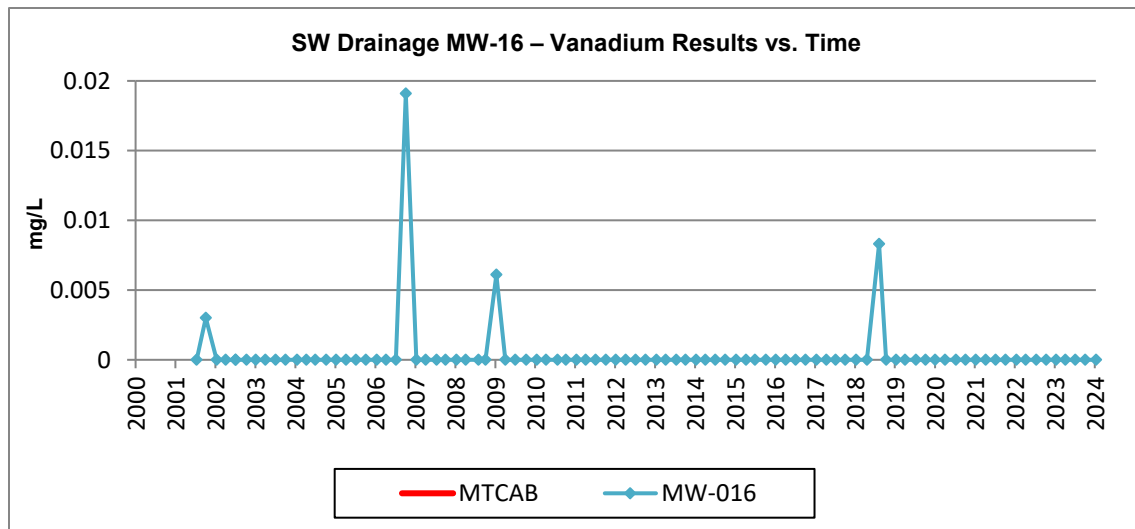
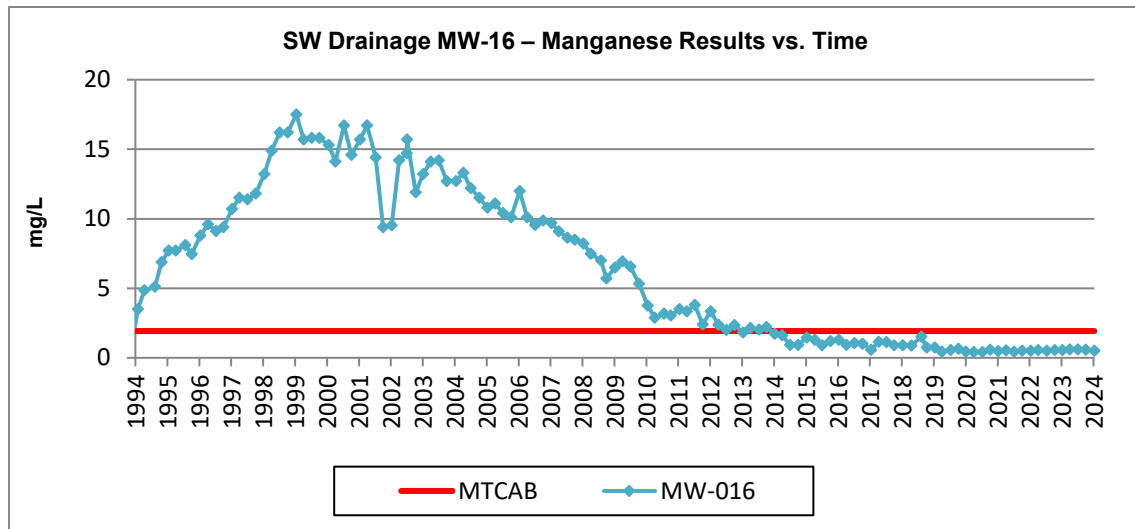


Figure 2-37: MW-016 Inorganics Concentration Graphs (cont.)



SW MW-16 Monitoring Wells: Conventional Time Series Graphs

Figure 2-38: MW-016 Conventional Concentration Graphs

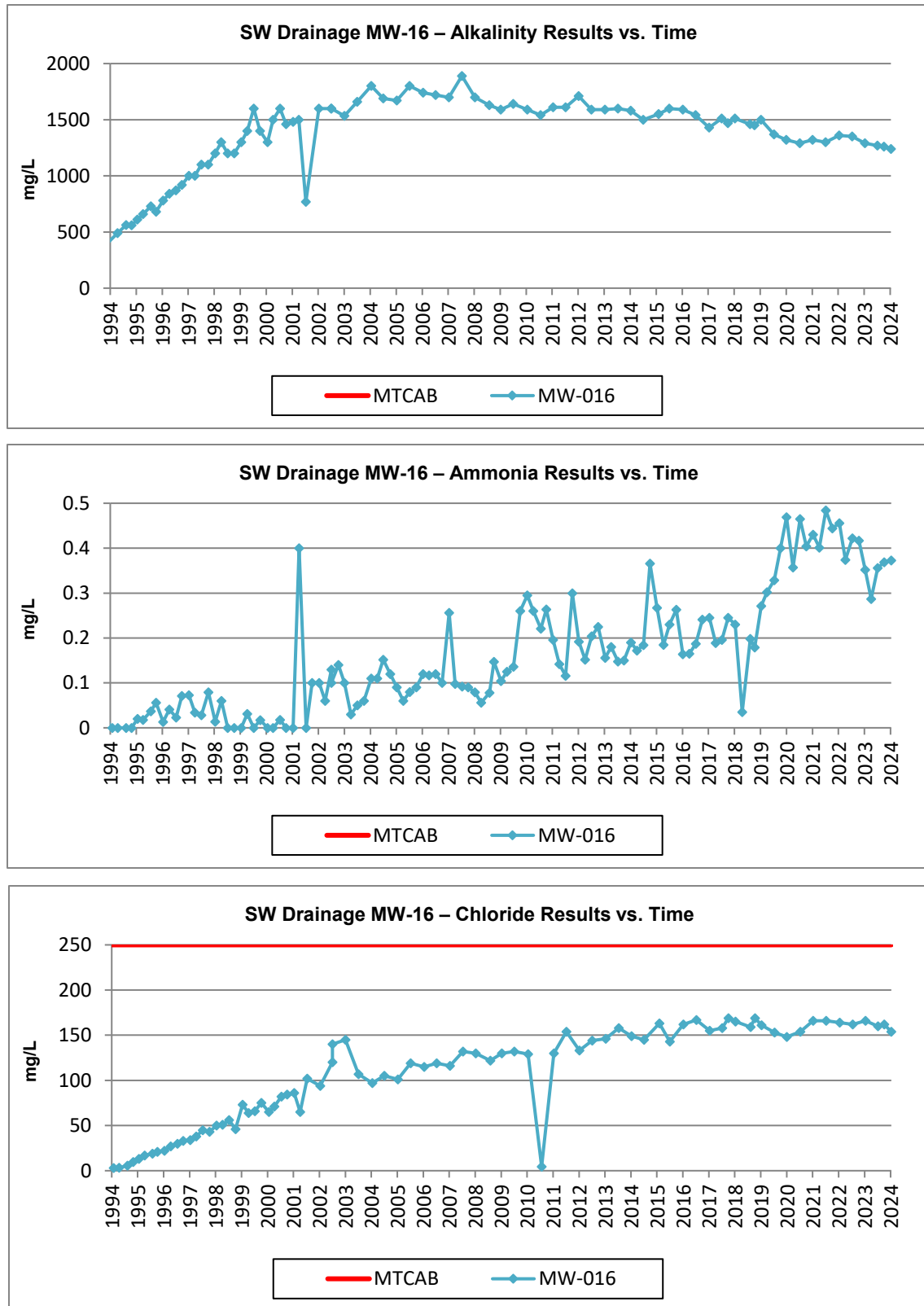


Figure 2-39: MW-016 Conventional Concentration Graphs (cont.)

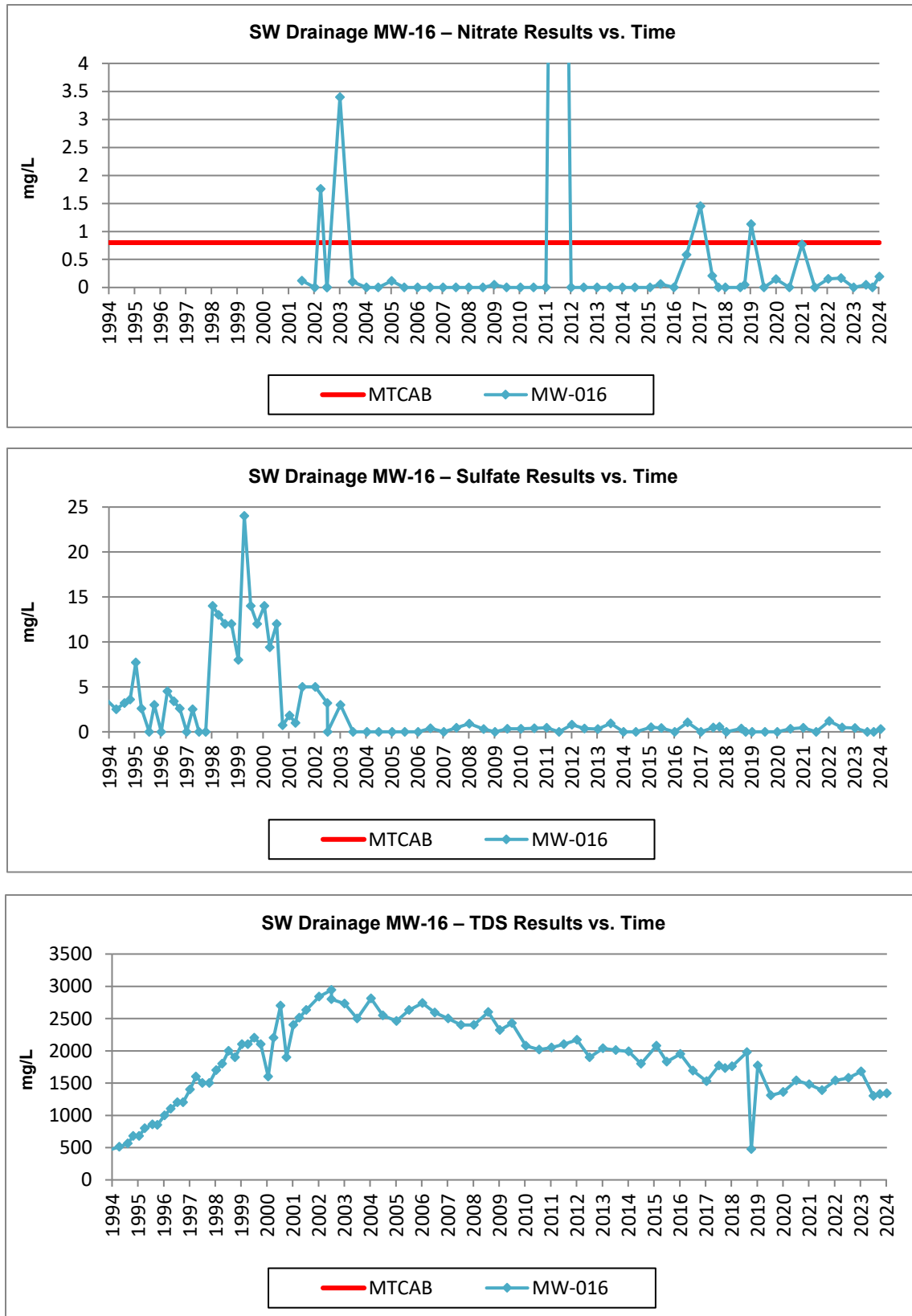
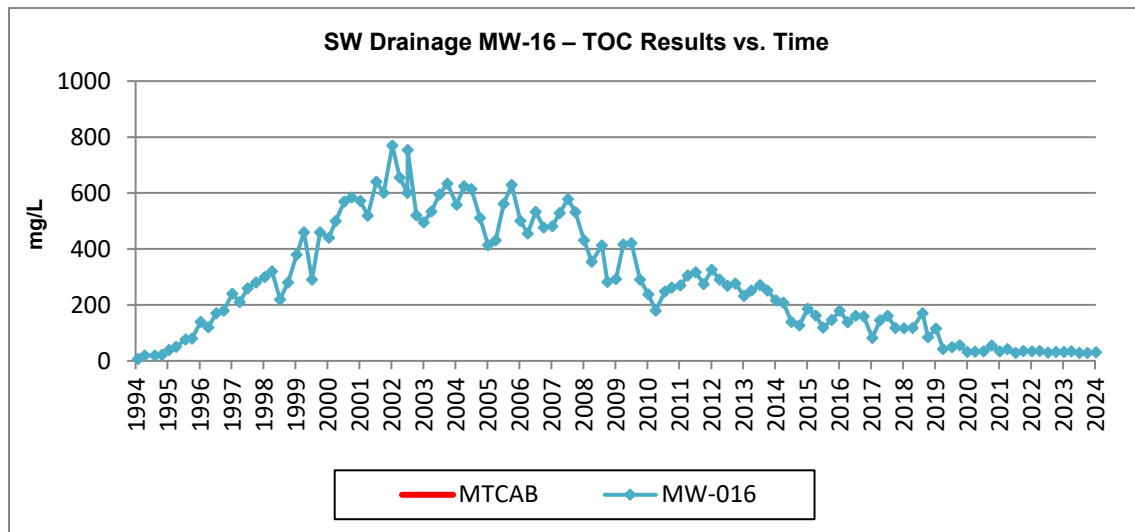


Figure 2-40: MW-016 Conventional Concentration Graphs



MW-016 Analyte Concentrations: Summary of 5-year and 1-year differences:

StationID	Drainage	Analyte	2019 Results	2023 Results	2024 Results	5-Year Difference	1-Year Difference	Units	Type
MW-016	Southwest	ALK	1500	1290	1240	-260	-50	mg/L as Ca	C
MW-016	Southwest	Cl	161	166	154	-7	-12	mg/L	C
MW-016	Southwest	N-NH3	0.271	0.352	0.373	0.102	0.021	mg/L	C
MW-016	Southwest	N-NO3	1.13	0	0.194	-0.936	0.194	mg/L	C
MW-016	Southwest	SO4	0	0.41	0.32	0.32	-0.09	mg/L	C
MW-016	Southwest	TDS	1770	1680	1340	-430	-340	mg/L	C
MW-016	Southwest	TOC	116	32.6	30.6	-85.4	-2	mg/L	C
MW-016	Southwest	As	0.0619	0.0616	0.0657	0.0038	0.0041	mg/L	I
MW-016	Southwest	Ba	0.726	0.627	0.535	-0.191	-0.092	mg/L	I
MW-016	Southwest	Mn	0.745	0.562	0.519	-0.226	-0.043	mg/L	I
MW-016	Southwest	Pb	0	0	0	0	0	mg/L	I
MW-016	Southwest	Zn	0	0	0	0	0	mg/L	I
MW-016	Southwest	1,2-DCP	16.6	18.2	13.5	-3.1	-4.7	ug/L	V
MW-016	Southwest	Acetone	4430	340	152	-4278	-188	ug/L	V
MW-016	Southwest	Benzene	14.4	12.3	11.3	-3.1	-1	ug/L	V
MW-016	Southwest	DCA	0	11.3	13	13	1.7	ug/L	V
MW-016	Southwest	MC	0	0	0	0	0	ug/L	V
MW-016	Southwest	PCE	0	0	0	0	0	ug/L	V
MW-016	Southwest	TCE	0	0	0	0	0	ug/L	V
MW-016	Southwest	Toluene	43.5	12	12.9	-30.6	0.9	ug/L	V
MW-016	Southwest	VC	3.13	0.8	0.56	-2.57	-0.24	ug/L	V

Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.
Increases in analyte concentrations are highlighted in **RED**.
Decreases in analyte concentrations are highlighted in **BLUE**.

South Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

Figure 2-41: South Wells VOCs / SVOCs Concentration Graphs

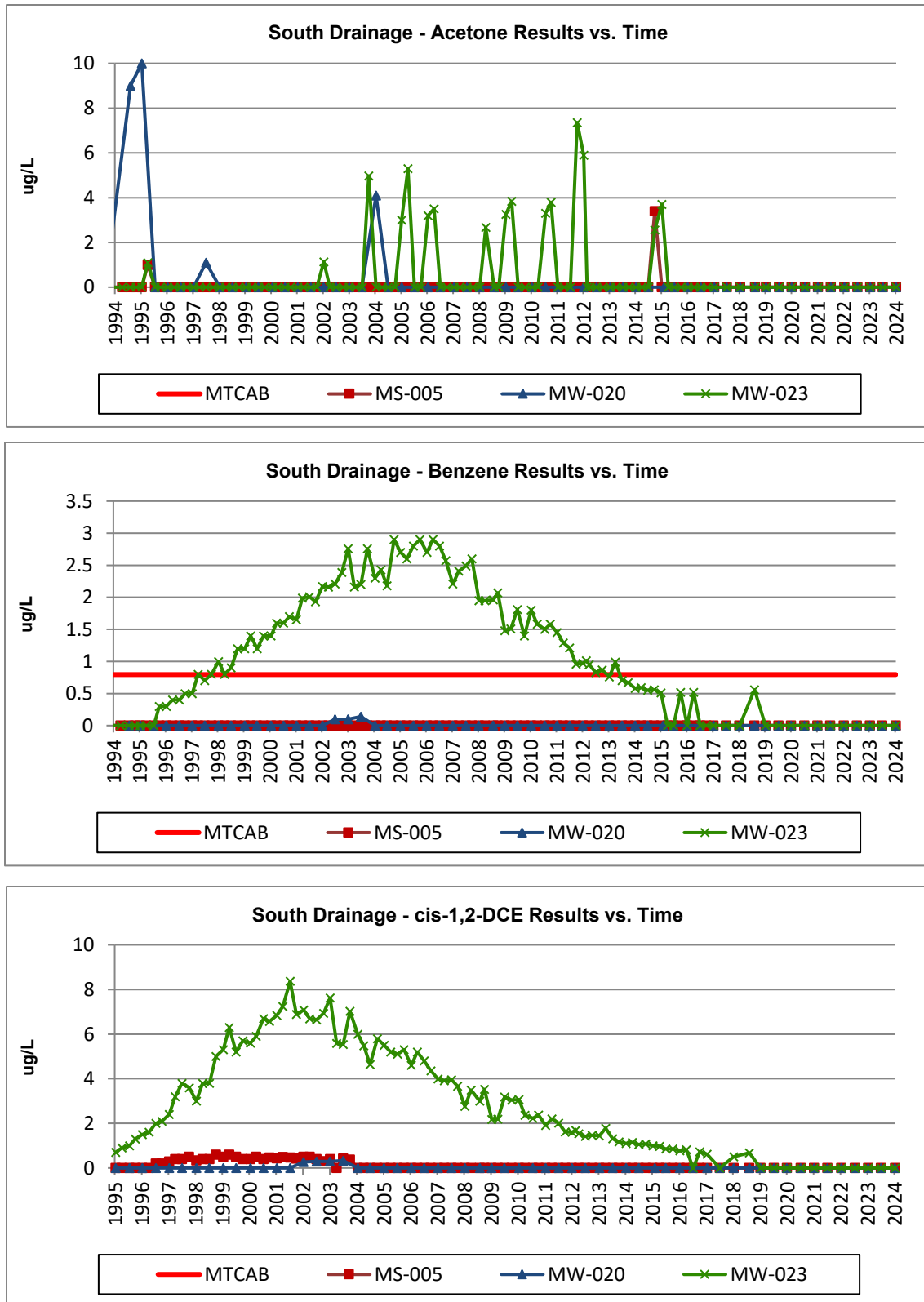


Figure 2-42: South Wells VOCs / SVOCs Concentration Graphs

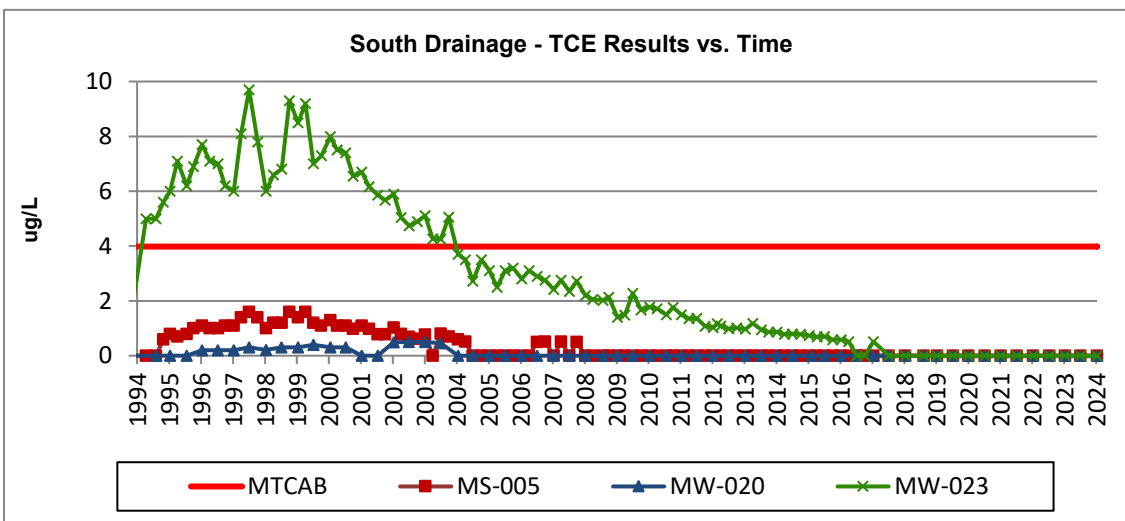
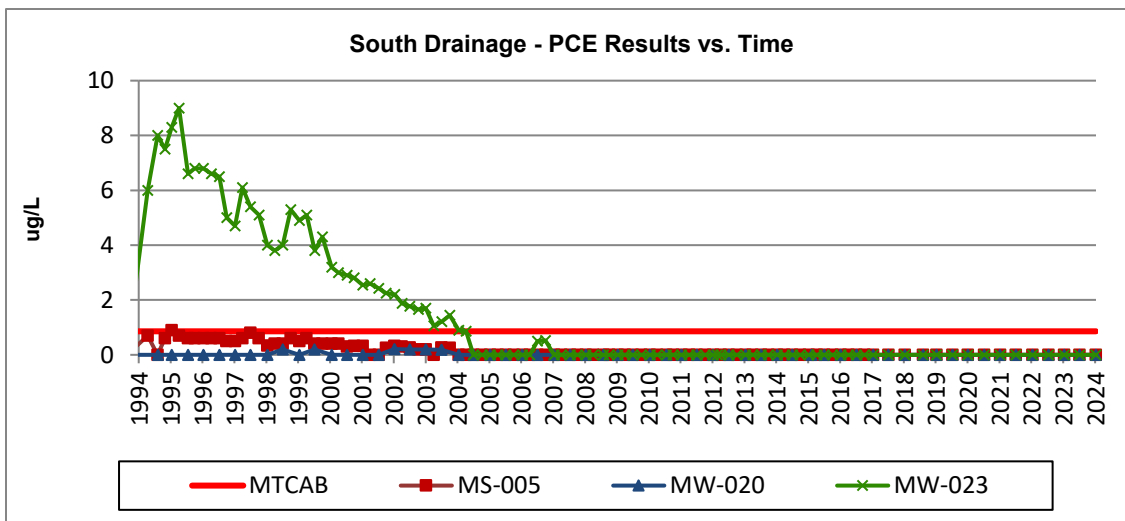
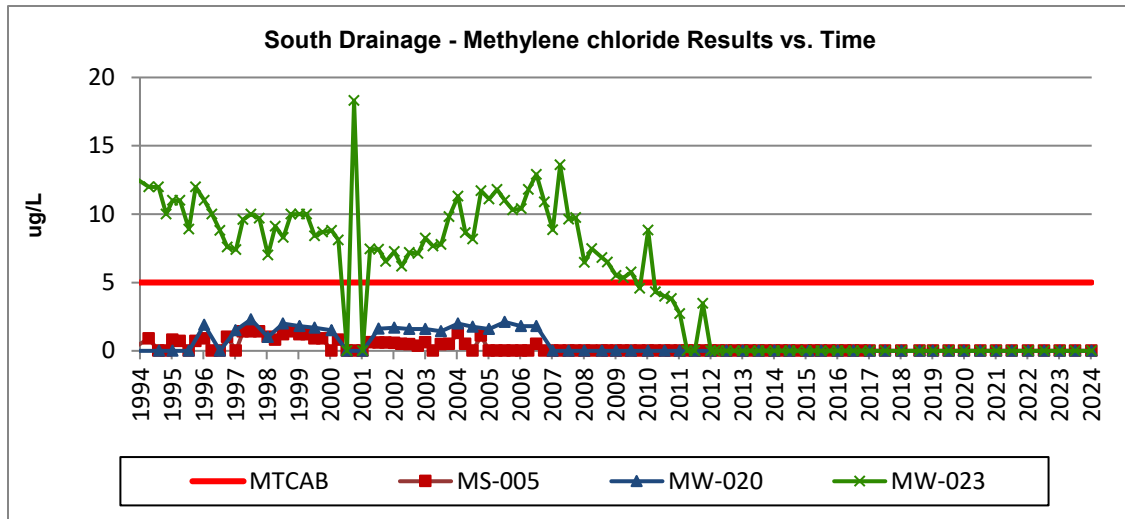


Figure 2-43: South Wells VOCs / SVOCs Concentration Graphs (cont.)

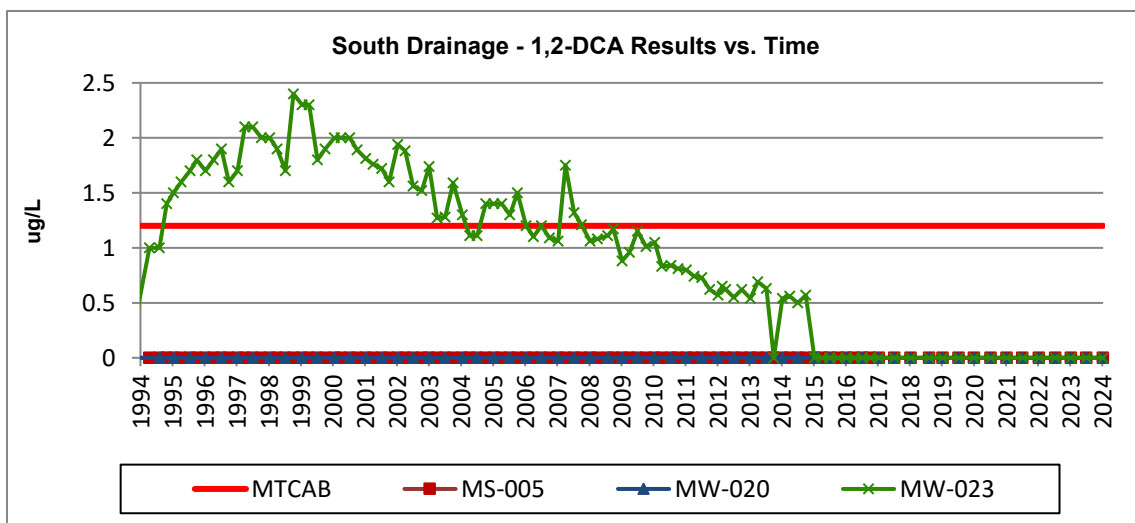
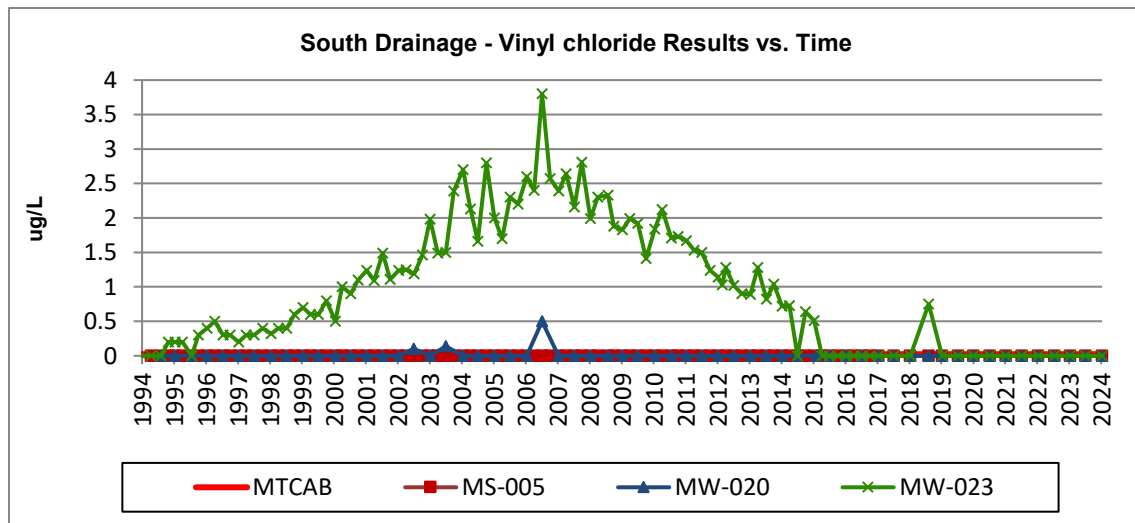
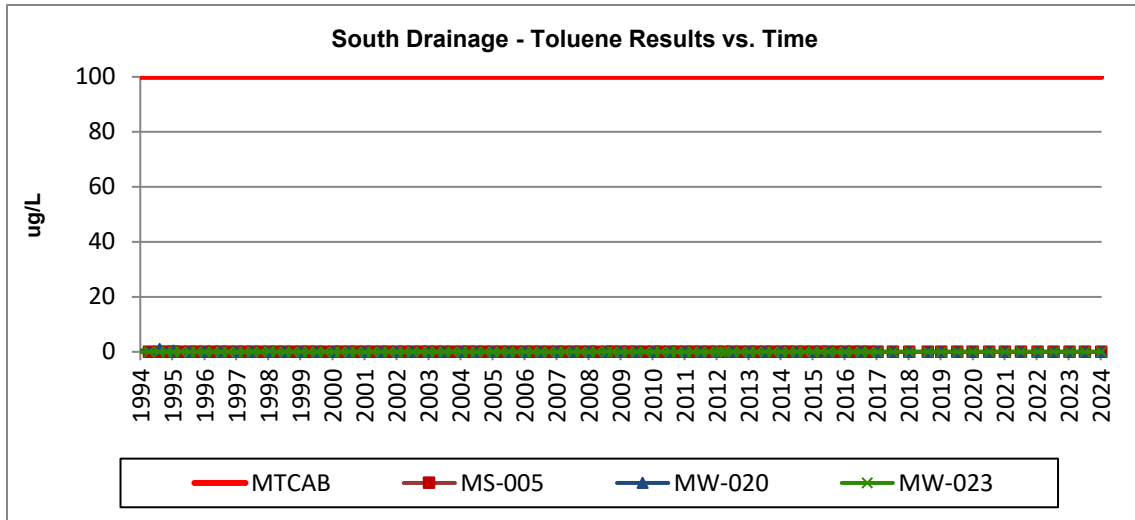
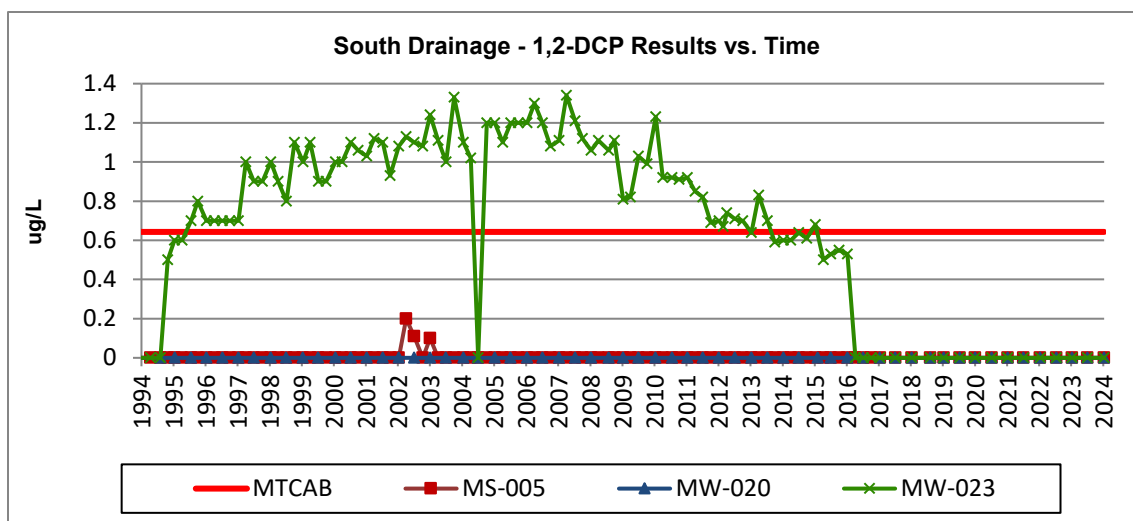


Figure 2-44: South Wells VOCs / SVOCs Concentration Graphs (cont.)



South Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-45: South Wells Inorganics Concentration Graphs

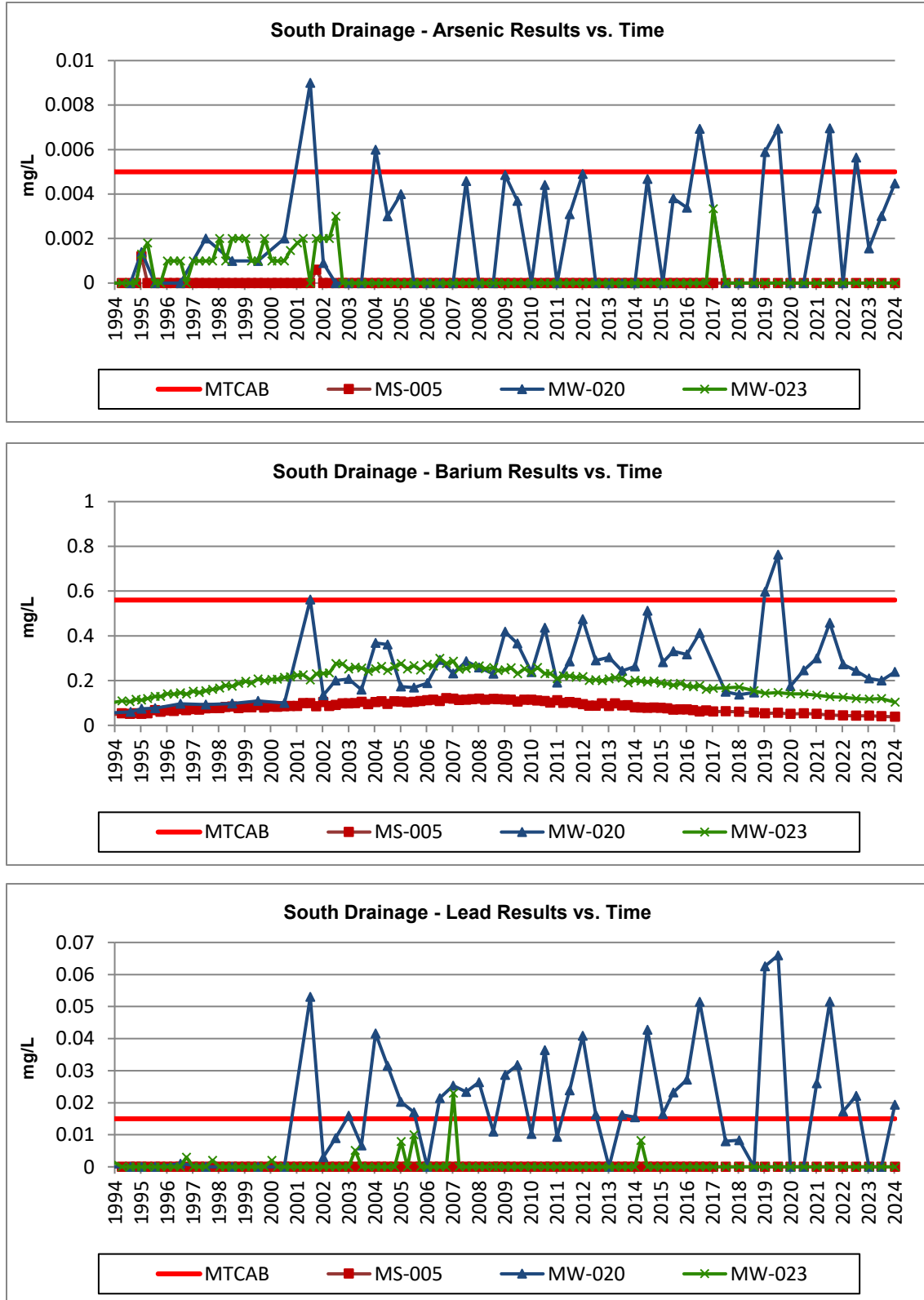
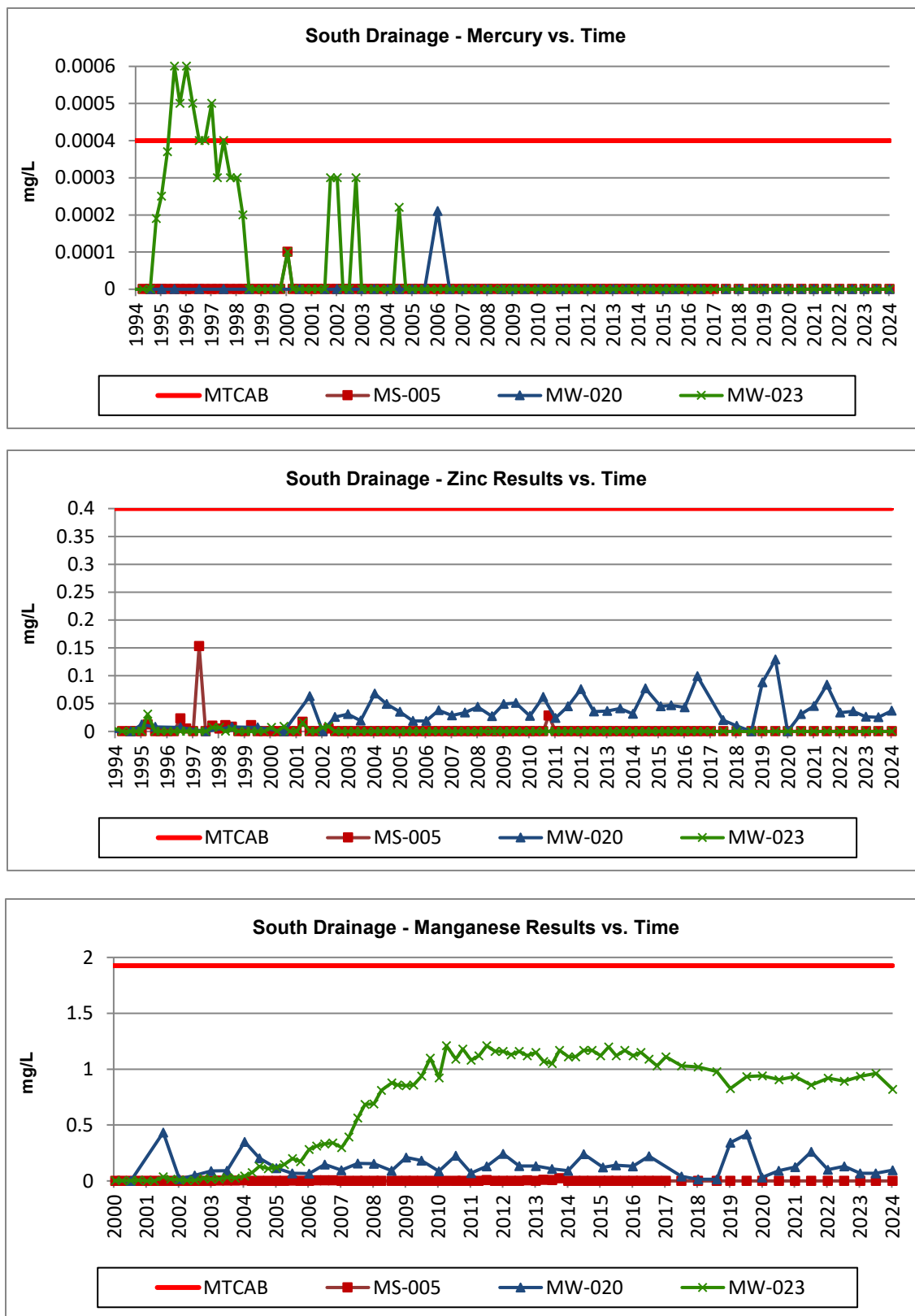


Figure 2-46: South Wells Inorganics Concentration Graphs (cont.)



South Drainage Monitoring Wells: Conventional Time Series Graphs

Figure 2-47: South Wells Conventional Concentration Graphs

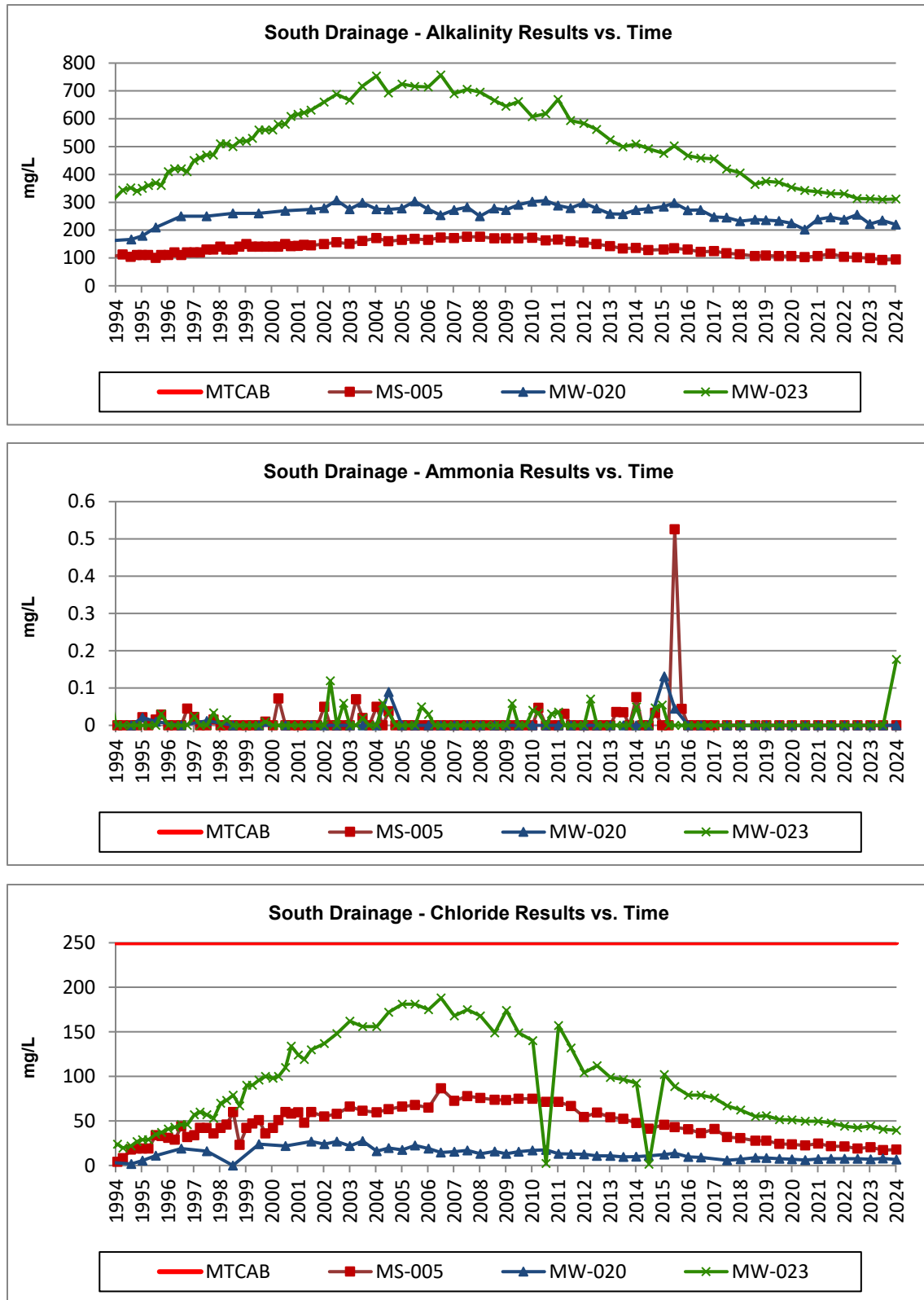


Figure 2-48: South Wells Conventional Concentration Graphs (cont.)

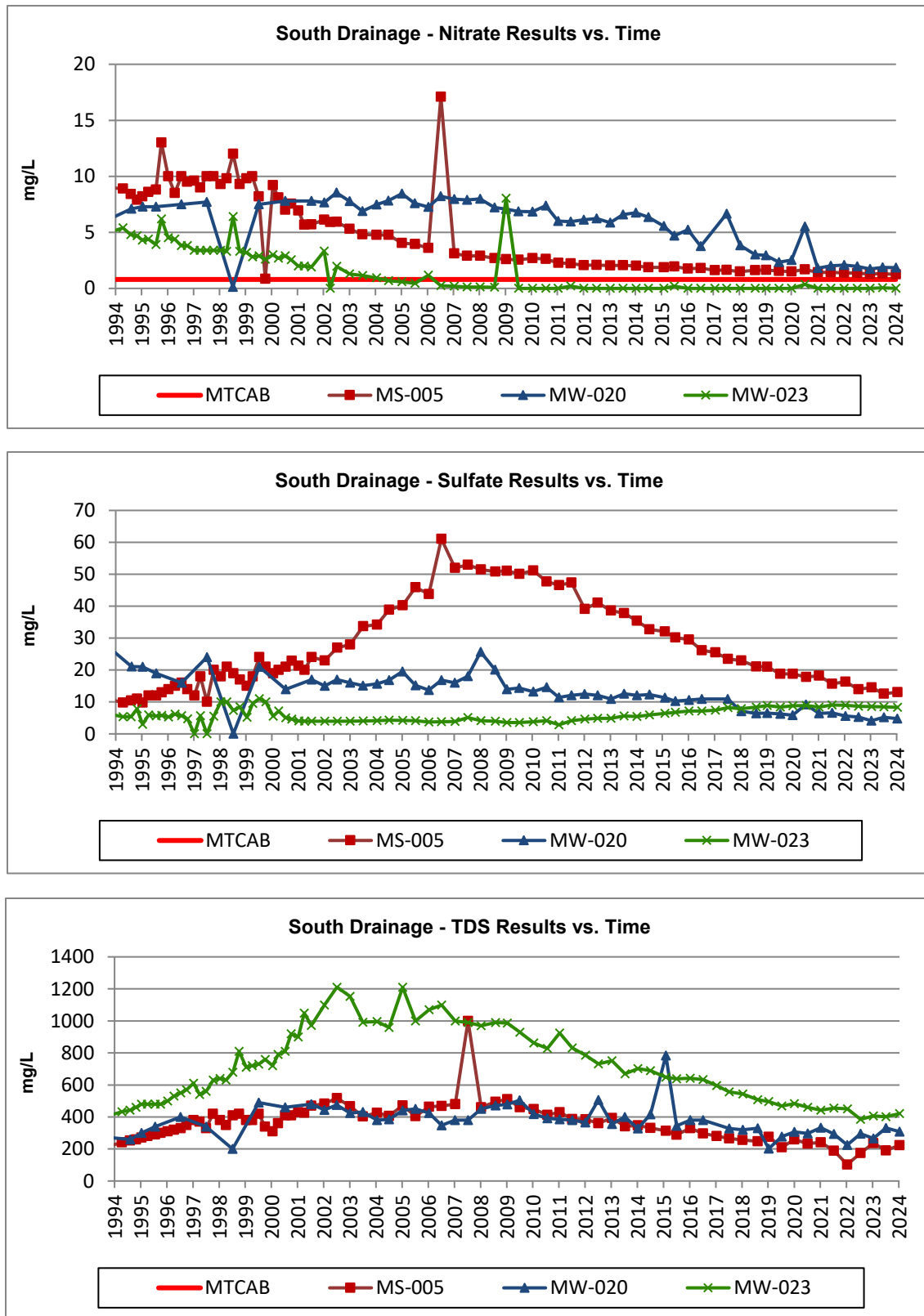
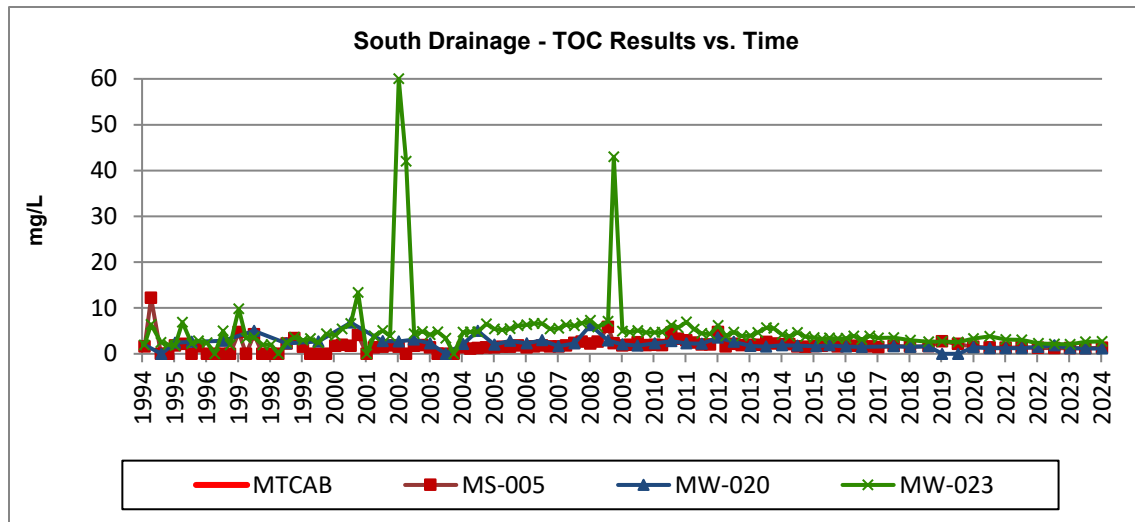


Figure 2-49: South Wells – Conventional Concentration Graphs (cont.)



South Analyte Concentrations: Summary of 5-year and 1-year differences:

StationID	Drainage	Analyte	2019 Results	2023 Results	2024 Results	5-Year Difference	1-Year Difference	Units	Type
MS-005	South	ALK	109	99.3	94.6	-14.4	-4.7	mg/L as Ca	C
MS-005	South	Cl	27.7	20.5	17.8	-9.9	-2.7	mg/L	C
MS-005	South	N-NH3	0	0	0	0	0	mg/L	C
MS-005	South	N-NO3	1.63	1.3	1.24	-0.39	-0.06	mg/L	C
MS-005	South	SO4	21	14.5	13.1	-7.9	-1.4	mg/L	C
MS-005	South	TDS	275	237	223	-52	-14	mg/L	C
MS-005	South	TOC	2.7	1.2	1.32	-1.38	0.12	mg/L	C
MW-020	South	ALK	236	222	220	-16	-2	mg/L as Ca	C
MW-020	South	Cl	8.48	6.89	6.64	-1.84	-0.25	mg/L	C
MW-020	South	N-NH3	0	0	0	0	0	mg/L	C
MW-020	South	N-NO3	2.94	1.74	1.84	-1.1	0.1	mg/L	C
MW-020	South	SO4	6.48	4.12	4.68	-1.8	0.56	mg/L	C
MW-020	South	TDS	202	266	308	106	42	mg/L	C
MW-020	South	TOC	0	1.2	1.15	1.15	-0.05	mg/L	C
MW-023	South	ALK	375	313	312	-63	-1	mg/L as Ca	C
MW-023	South	Cl	55.8	44.4	39.6	-16.2	-4.8	mg/L	C
MW-023	South	N-NH3	0	0	0	0	0	mg/L	C
MW-023	South	N-NO3	0	0	0	0	0	mg/L	C
MW-023	South	SO4	8.7	8.58	8.28	-0.42	-0.3	mg/L	C
MW-023	South	TDS	495	406	398	-97	-8	mg/L	C
MW-023	South	TOC	2.67	2.09	2.72	0.05	0.63	mg/L	C
MS-005	South	As	0	0	0	0	0	mg/L	I
MS-005	South	Ba	0.053	0.043	0.0378	-0.0152	-0.0052	mg/L	I
MS-005	South	Mn	0	0	0	0	0	mg/L	I
MS-005	South	Pb	0	0	0	0	0	mg/L	I
MS-005	South	Zn	0	0	0	0	0	mg/L	I
MW-020	South	As	0.00589	0.00156	0.00448	-0.00141	0.00292	mg/L	I
MW-020	South	Ba	0.597	0.209	0.237	-0.36	0.028	mg/L	I
MW-020	South	Mn	0.344	0.0677	0.0934	-0.2506	0.0257	mg/L	I
MW-020	South	Pb	0.0626	0	0.0194	-0.0432	0.0194	mg/L	I
MW-020	South	Zn	0.088	0.0262	0.0357	-0.0523	0.0095	mg/L	I
MW-023	South	As	0	0	0	0	0	mg/L	I
MW-023	South	Ba	0.141	0.117	0.102	-0.039	-0.015	mg/L	I
MW-023	South	Mn	0.82	0.936	0.807	-0.013	-0.129	mg/L	I

StationID	Drainage	Analyte	2019 Results	2023 Results	2024 Results	5-Year Difference	1-Year Difference	Units	Type
MW-023	South	Pb	0	0	0	0	0	mg/L	I
MW-023	South	Zn	0	0	0	0	0	mg/L	I
MS-005	South	1,2-DCP	0	0	0	0	0	ug/L	V
MS-005	South	Acetone	0	0	0	0	0	ug/L	V
MS-005	South	Benzene	0	0	0	0	0	ug/L	V
MS-005	South	DCA	0	0	0	0	0	ug/L	V
MS-005	South	MC	0	0	0	0	0	ug/L	V
MS-005	South	PCE	0	0	0	0	0	ug/L	V
MS-005	South	TCE	0	0	0	0	0	ug/L	V
MS-005	South	Toluene	0	0	0	0	0	ug/L	V
MS-005	South	VC	0	0	0	0	0	ug/L	V
MW-020	South	1,2-DCP	0	0	0	0	0	ug/L	V
MW-020	South	Acetone	0	0	0	0	0	ug/L	V
MW-020	South	Benzene	0	0	0	0	0	ug/L	V
MW-020	South	DCA	0.83	0.55	0	-0.83	-0.55	ug/L	V
MW-020	South	MC	0	0	0	0	0	ug/L	V
MW-020	South	PCE	0	0	0	0	0	ug/L	V
MW-020	South	TCE	0	0	0	0	0	ug/L	V
MW-020	South	Toluene	0	0	0	0	0	ug/L	V
MW-020	South	VC	0	0	0	0	0	ug/L	V
MW-023	South	1,2-DCP	0	0	0	0	0	ug/L	V
MW-023	South	Acetone	0	0	0	0	0	ug/L	V
MW-023	South	Benzene	0	0	0	0	0	ug/L	V
MW-023	South	DCA	2.92	1.87	0	-2.92	-1.87	ug/L	V
MW-023	South	MC	0	0	0	0	0	ug/L	V
MW-023	South	PCE	0	0	0	0	0	ug/L	V
MW-023	South	TCE	0	0	0	0	0	ug/L	V
MW-023	South	Toluene	0	0	0	0	0	ug/L	V
MW-023	South	VC	0	0	0	0	0	ug/L	V

Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

Decreases in analyte concentrations are highlighted in **BLUE**.

SE Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

Figure 2-50: Southeast Wells VOCs / SVOCs Concentration Graphs

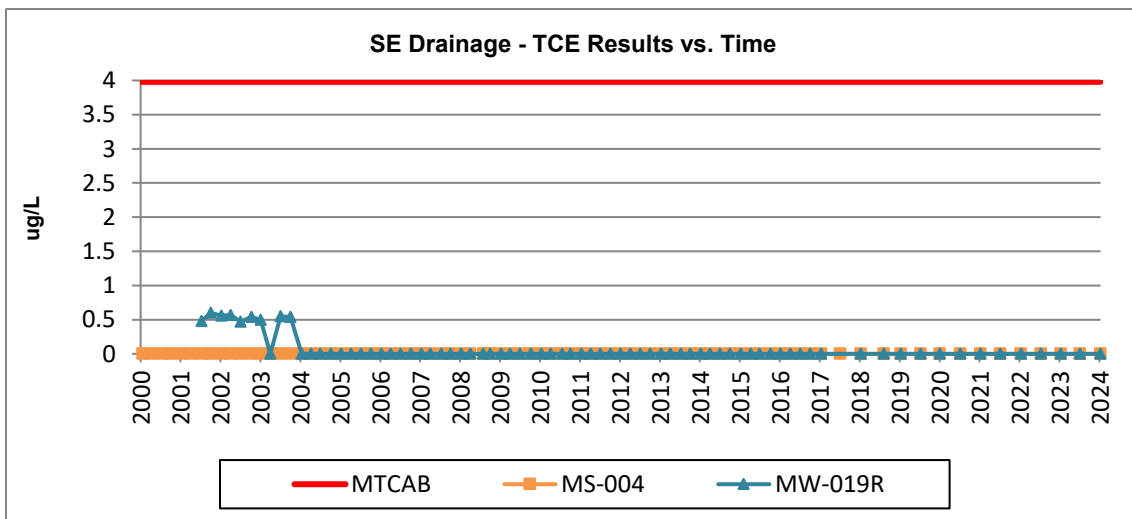
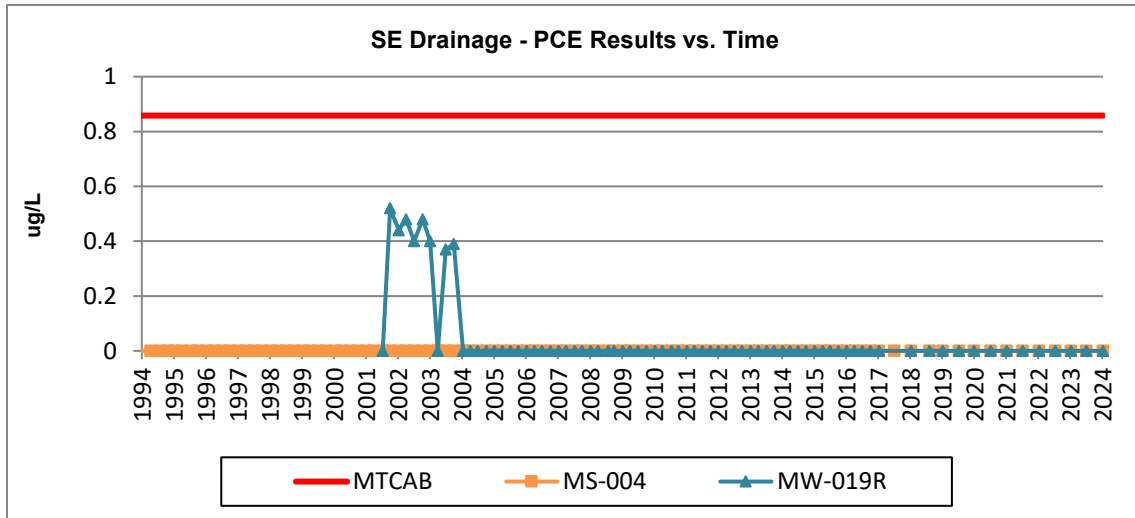
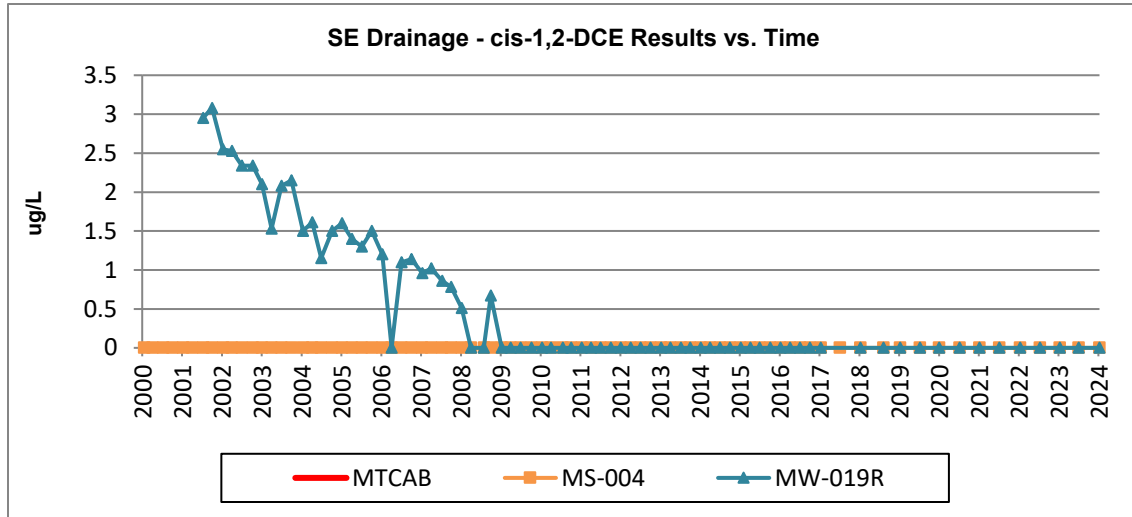
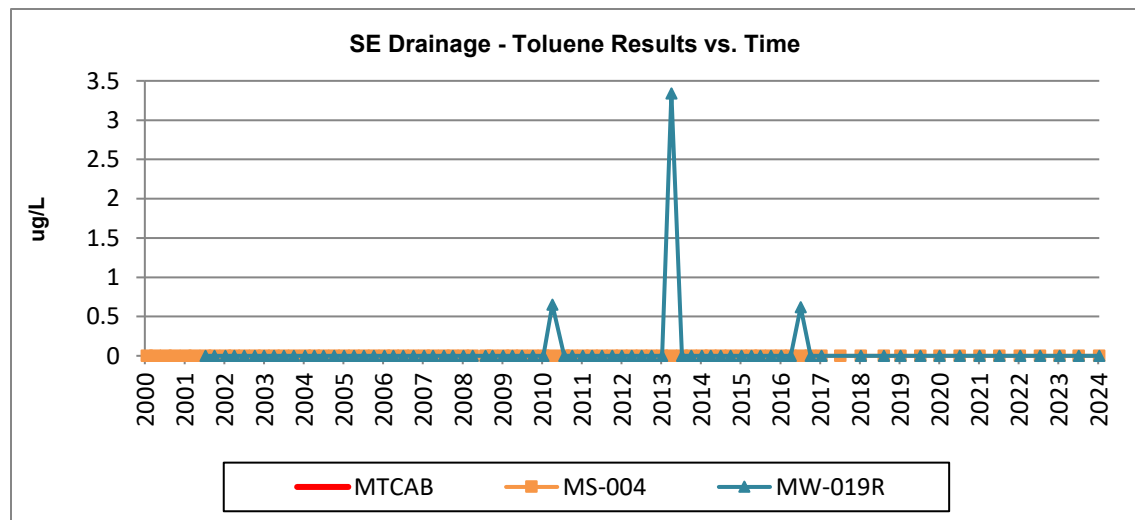
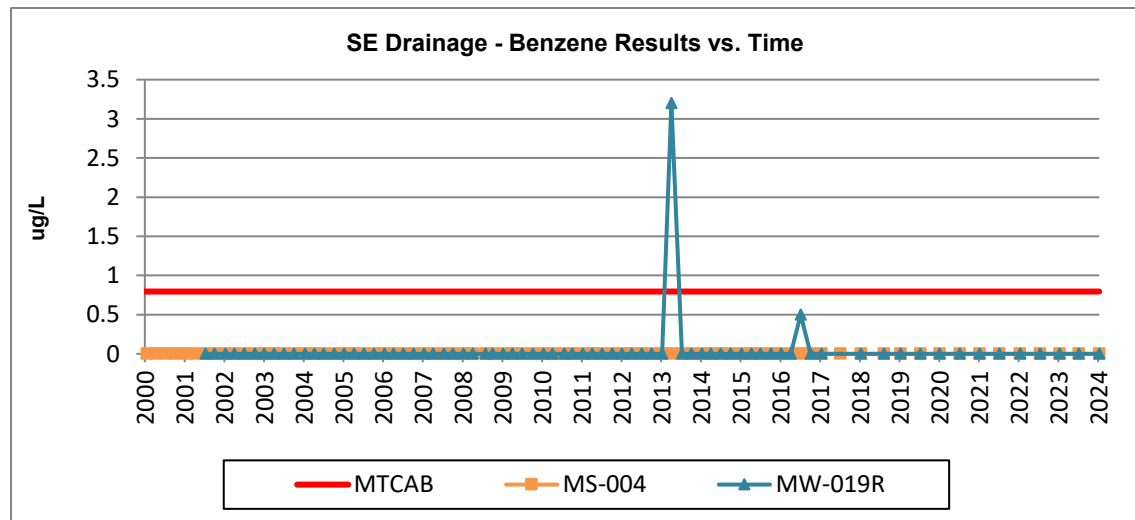
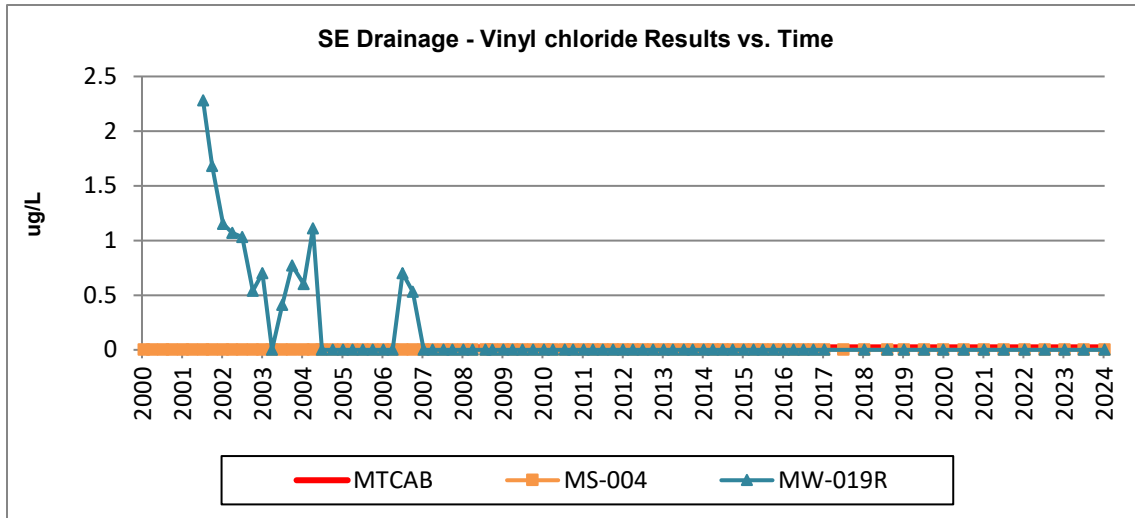


Figure 2-51: Southeast Wells VOCs / SVOCs Concentration Graphs



SE Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-52: SE Wells Inorganics Concentration Graphs

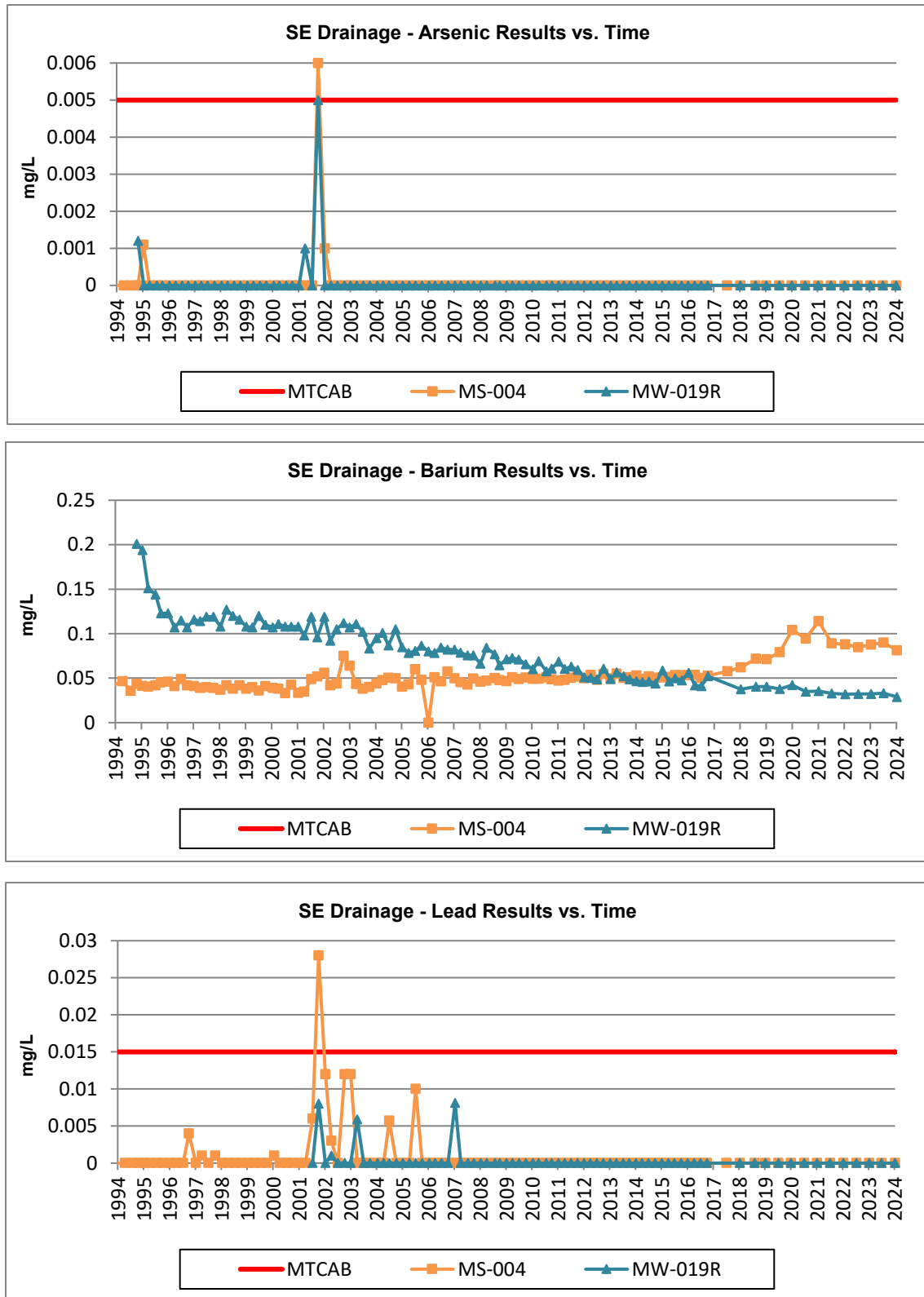
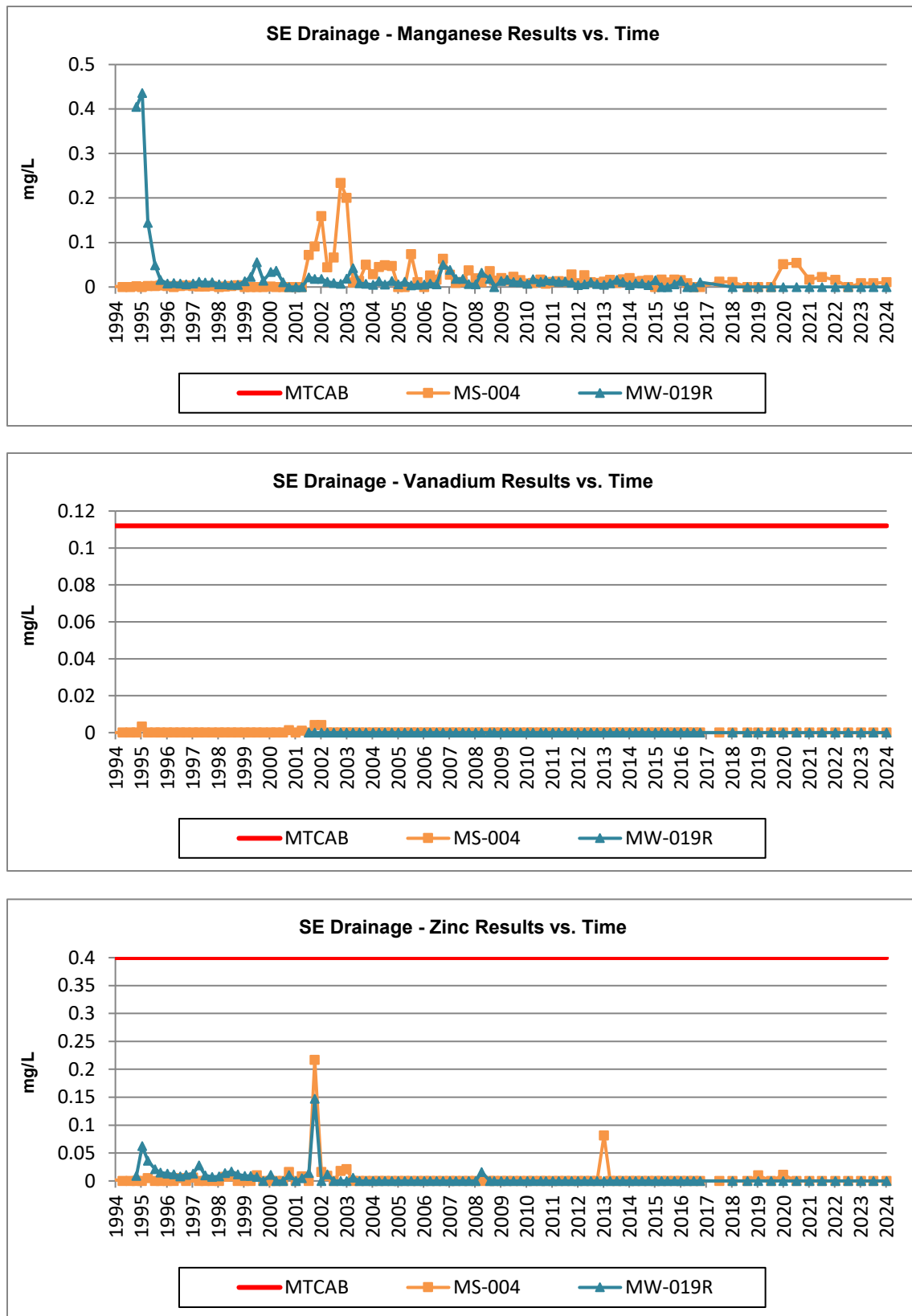


Figure 2-53: SE Wells Inorganics Concentration Graphs (cont.)



SE Drainage Monitoring Wells: Conventional Time Series Graphs

Figure 2-54: SE Wells Conventional Concentration Graphs

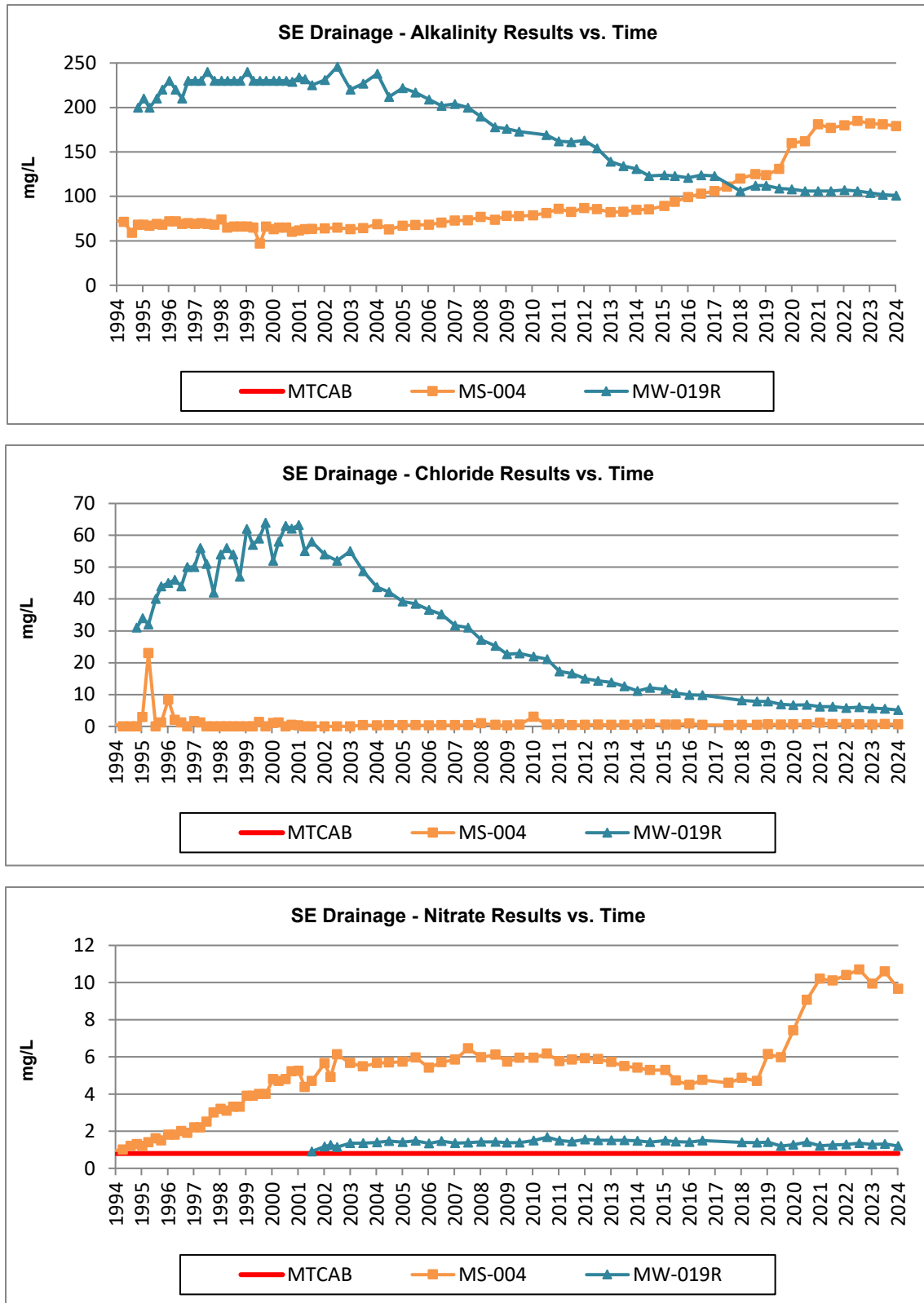
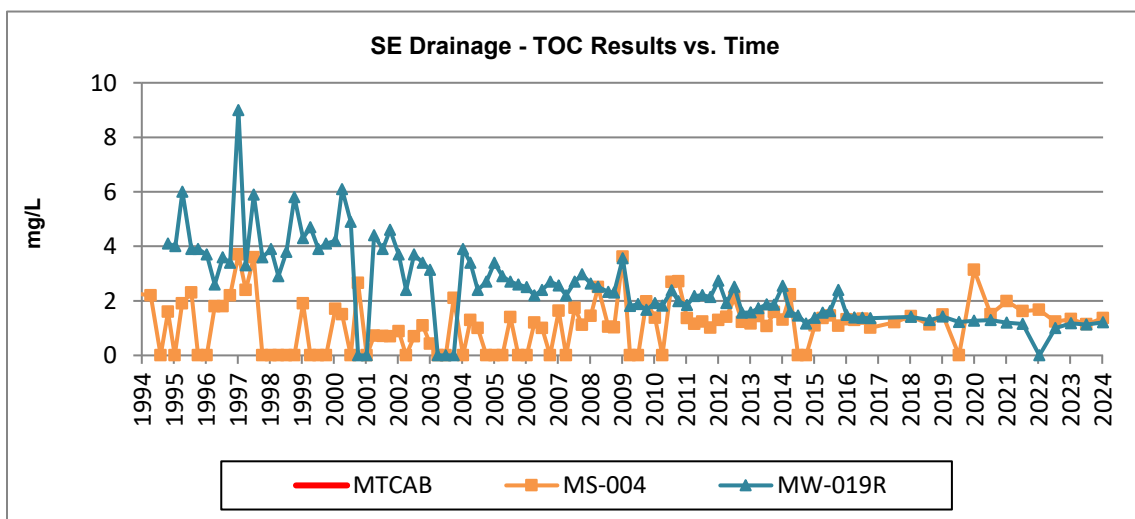
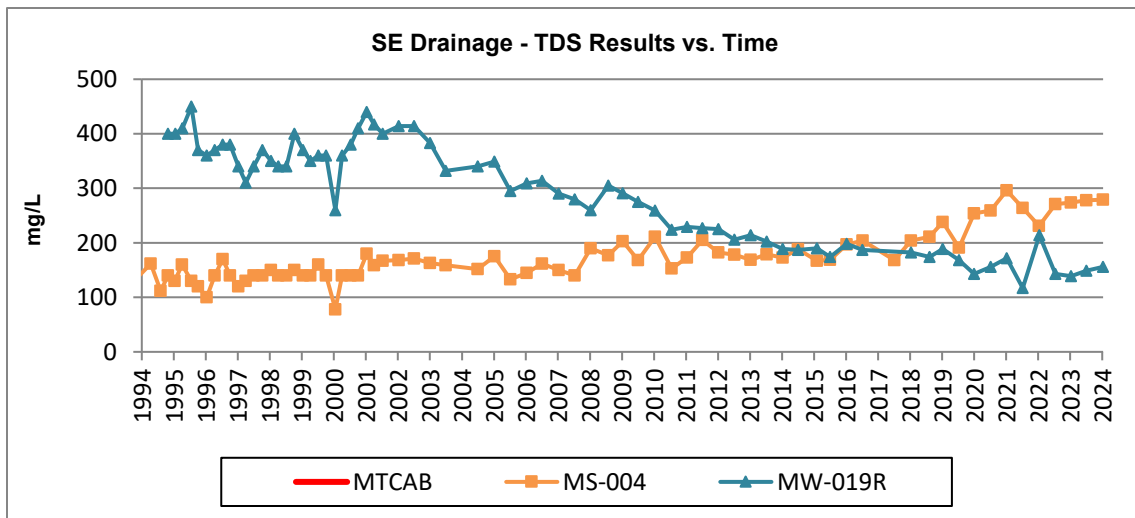
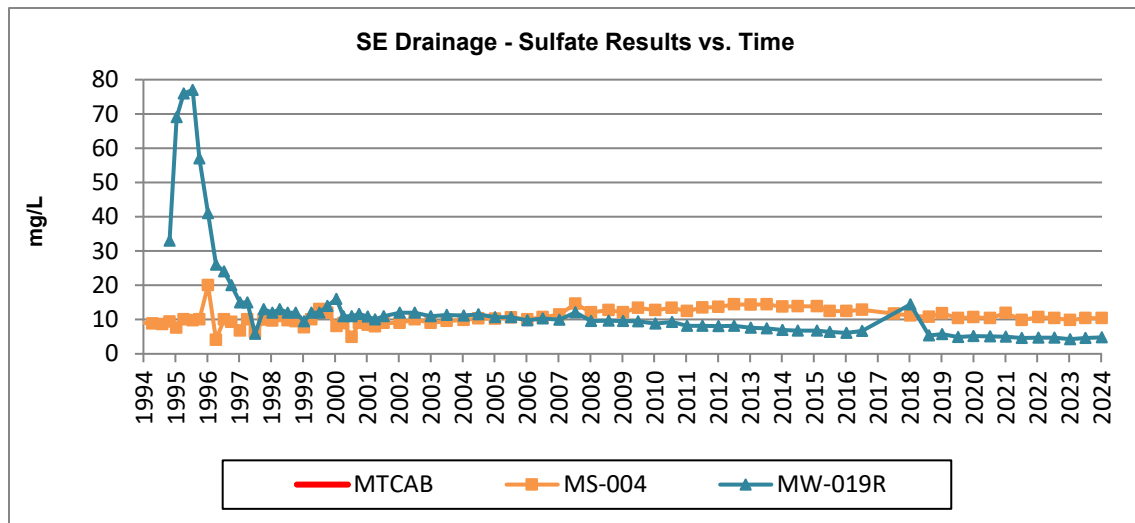


Figure 2-55: SE Wells Conventional Concentration Graphs (cont.)



SE Analyte Concentrations: Summary of 5-year and 1-year differences:

StationID	Drainage	Analyte	2019 Results	2023 Results	2024 Results	5-Year Difference	1-Year Difference	Units	Type
MS-004	Southeast	ALK	124	182	179	55	-3	mg/L as Ca	C
MS-004	Southeast	Cl	0.64	0.58	0.63	-0.01	0.05	mg/L	C
MS-004	Southeast	N-NH3	1.19	0	0	-1.19	0	mg/L	C
MS-004	Southeast	N-NO3	6.14	9.93	9.66	3.52	-0.27	mg/L	C
MS-004	Southeast	SO4	11.8	9.89	10.4	-1.4	0.51	mg/L	C
MS-004	Southeast	TDS	238	274	279	41	5	mg/L	C
MS-004	Southeast	TOC	1.49	1.33	1.37	-0.12	0.04	mg/L	C
MW-019R	Southeast	ALK	112	104	101	-11	-3	mg/L as Ca	C
MW-019R	Southeast	Cl	7.8	5.7	5.13	-2.67	-0.57	mg/L	C
MW-019R	Southeast	N-NH3	0	0	0	0	0	mg/L	C
MW-019R	Southeast	N-NO3	1.41	1.29	1.2	-0.21	-0.09	mg/L	C
MW-019R	Southeast	SO4	5.74	4.28	4.77	-0.97	0.49	mg/L	C
MW-019R	Southeast	TDS	189	139	156	-33	17	mg/L	C
MW-019R	Southeast	TOC	1.42	1.18	1.21	-0.21	0.03	mg/L	C
MS-004	Southeast	As	0	0	0	0	0	mg/L	I
MS-004	Southeast	Ba	0.0712	0.0876	0.0811	0.0099	-0.0065	mg/L	I
MS-004	Southeast	Mn	0	0.0087	0.0109	0.0109	0.0022	mg/L	I
MS-004	Southeast	Pb	0	0	0	0	0	mg/L	I
MS-004	Southeast	Zn	0.01	0	0	-0.01	0	mg/L	I
MW-019R	Southeast	As	0	0	0	0	0	mg/L	I
MW-019R	Southeast	Ba	0.0405	0.0322	0.0288	-0.0117	-0.0034	mg/L	I
MW-019R	Southeast	Mn	0	0	0	0	0	mg/L	I
MW-019R	Southeast	Pb	0	0	0	0	0	mg/L	I
MW-019R	Southeast	Zn	0	0	0	0	0	mg/L	I
MS-004	Southeast	1,2-DCP	0	0	0	0	0	ug/L	V
MS-004	Southeast	Acetone	0	0	0	0	0	ug/L	V
MS-004	Southeast	Benzene	0	0	0	0	0	ug/L	V
MS-004	Southeast	DCA	0	1.3	0	0	-1.3	ug/L	V
MS-004	Southeast	MC	0	0	0	0	0	ug/L	V
MS-004	Southeast	PCE	0	0	0	0	0	ug/L	V
MS-004	Southeast	TCE	0	0	0	0	0	ug/L	V
MS-004	Southeast	Toluene	0	0	0	0	0	ug/L	V
MS-004	Southeast	VC	0	0	0	0	0	ug/L	V
MW-019R	Southeast	1,2-DCP	0	0	0	0	0	ug/L	V
MW-019R	Southeast	Acetone	0	0	0	0	0	ug/L	V
MW-019R	Southeast	Benzene	0	0	0	0	0	ug/L	V
MW-019R	Southeast	DCA	0	0	0	0	0	ug/L	V
MW-019R	Southeast	MC	0	0	0	0	0	ug/L	V
MW-019R	Southeast	PCE	0	0	0	0	0	ug/L	V
MW-019R	Southeast	TCE	0	0	0	0	0	ug/L	V
MW-019R	Southeast	Toluene	0	0	0	0	0	ug/L	V
MW-019R	Southeast	VC	0	0	0	0	0	ug/L	V

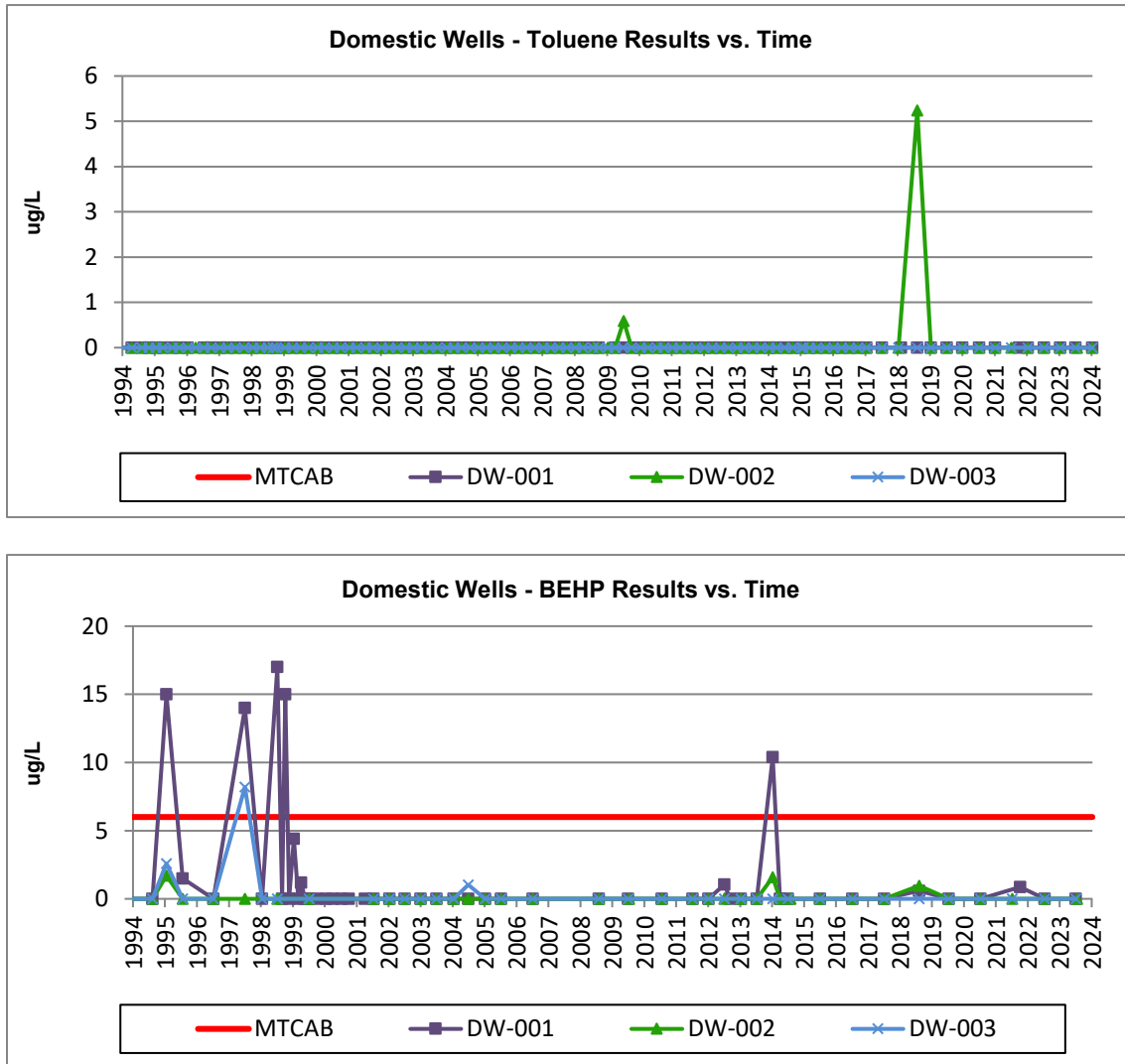
Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

Decreases in analyte concentrations are highlighted in **BLUE**.

Domestic Wells: VOCs/SVOCs Time Series Graphs

Figure 2-56: Domestic Wells VOCs / SVOCs Concentration Graphs



Domestic Wells: Inorganics Time Series Graphs

Figure 2-57: Domestic Wells Inorganics Concentration Graphs (cont.)

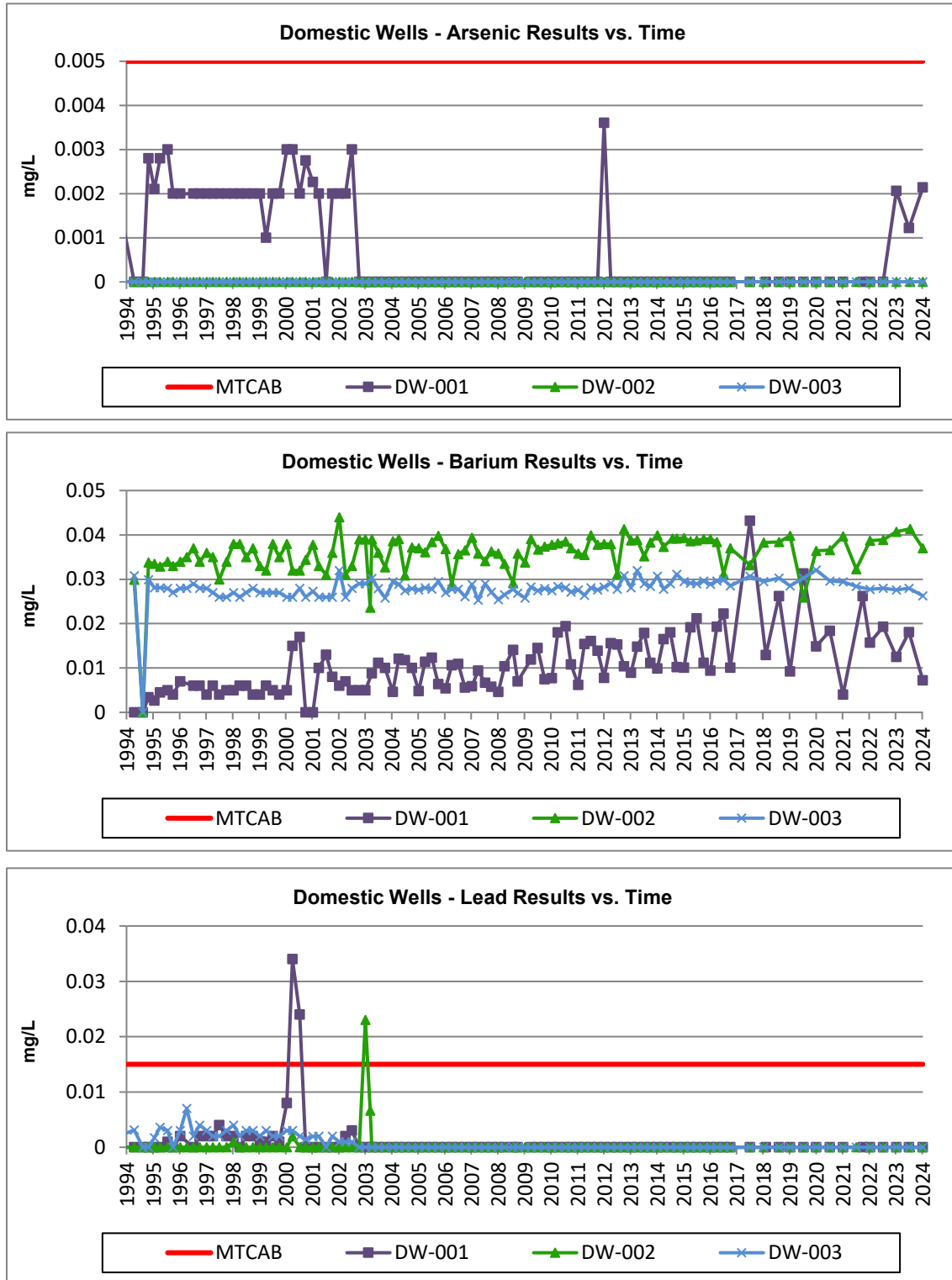
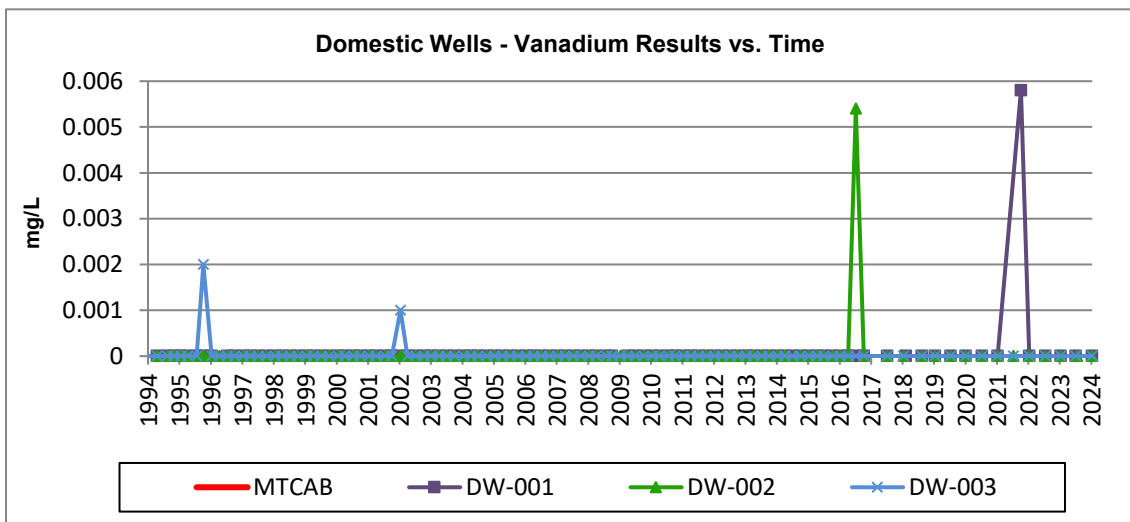
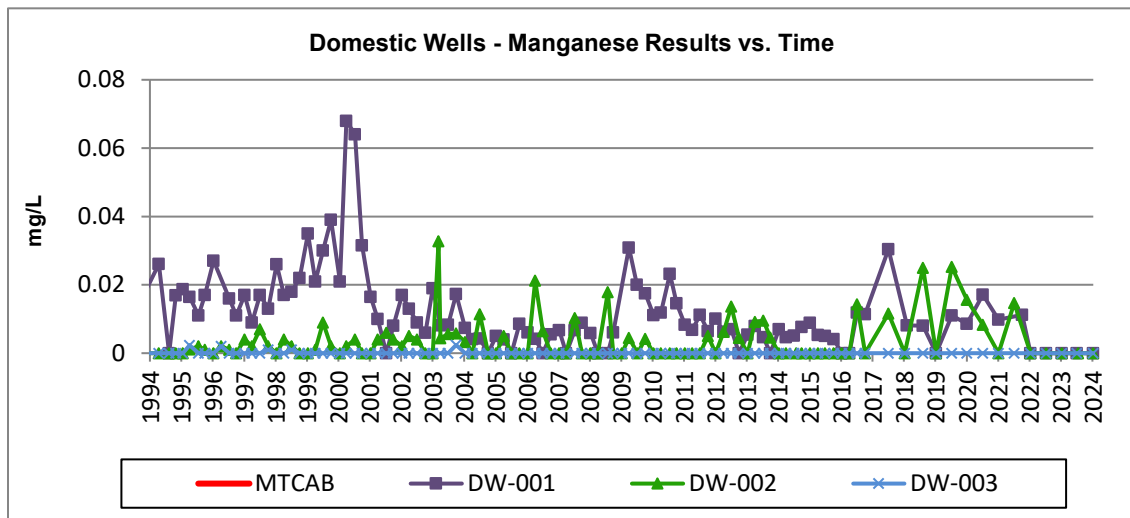
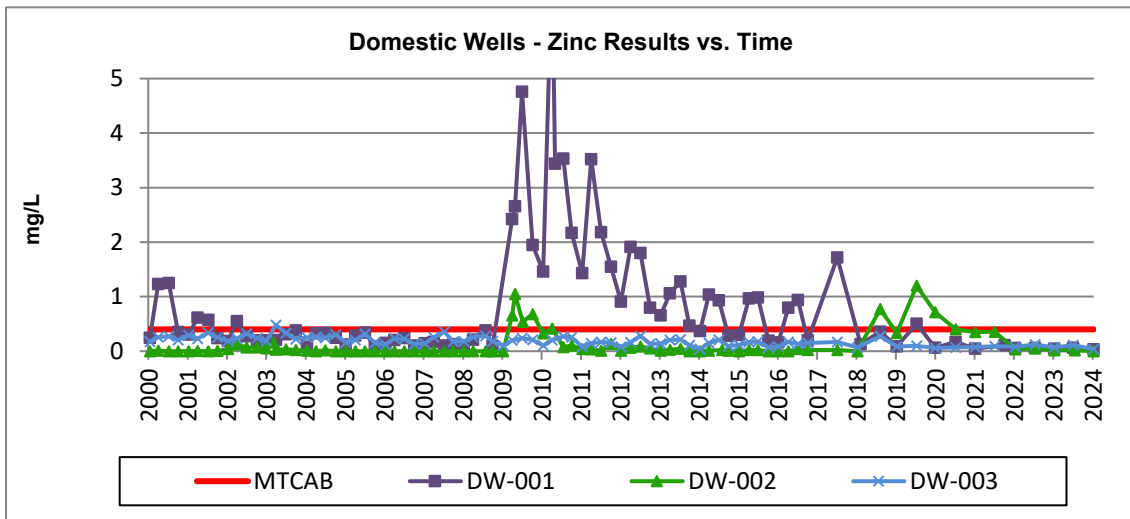


Figure 2-58: Domestic Wells Inorganics Concentration Graphs (cont.)



Domestic Wells: Conventional Time Series Graphs

Figure 2-59: Domestic Wells Conventional Concentration Graphs

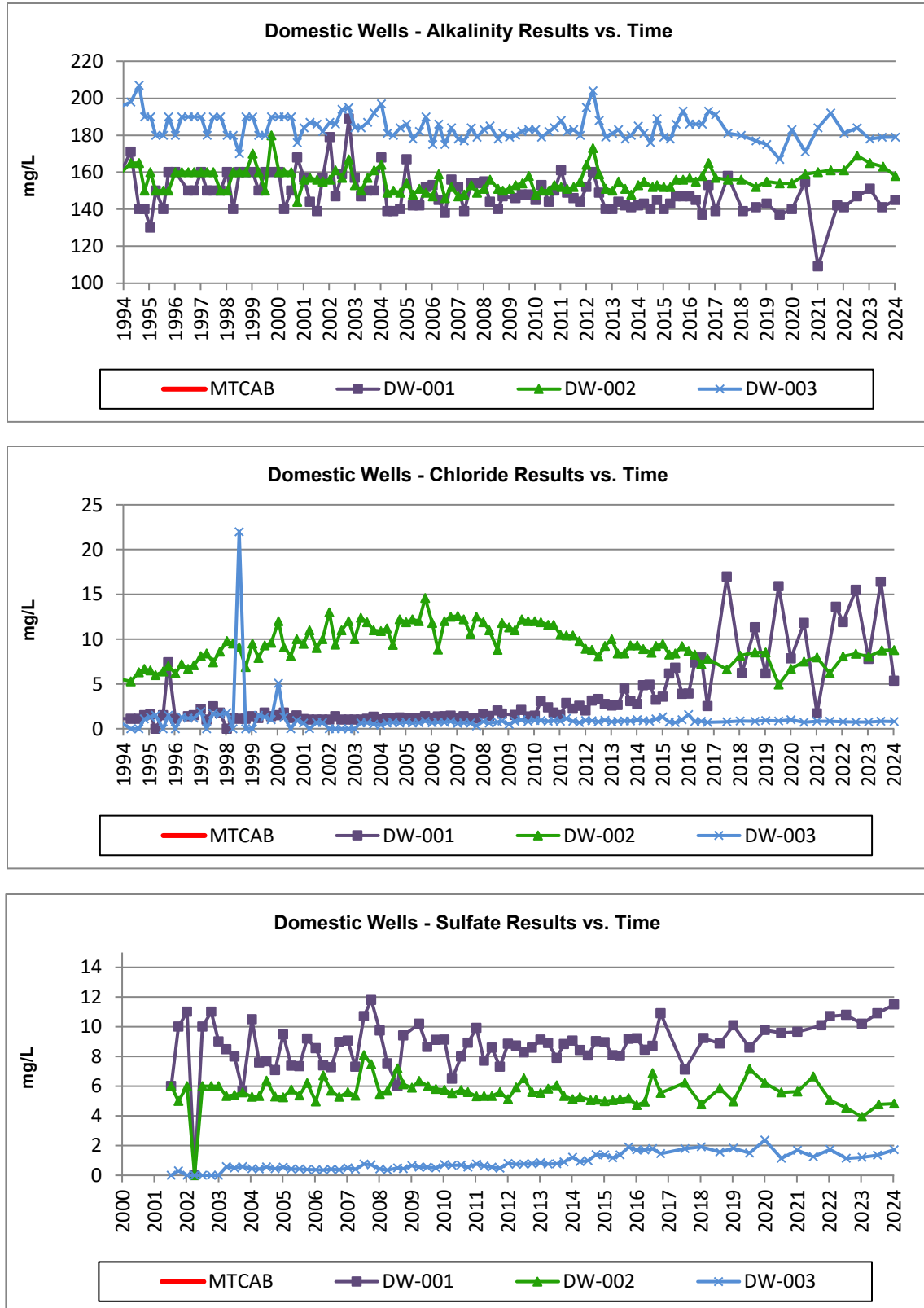
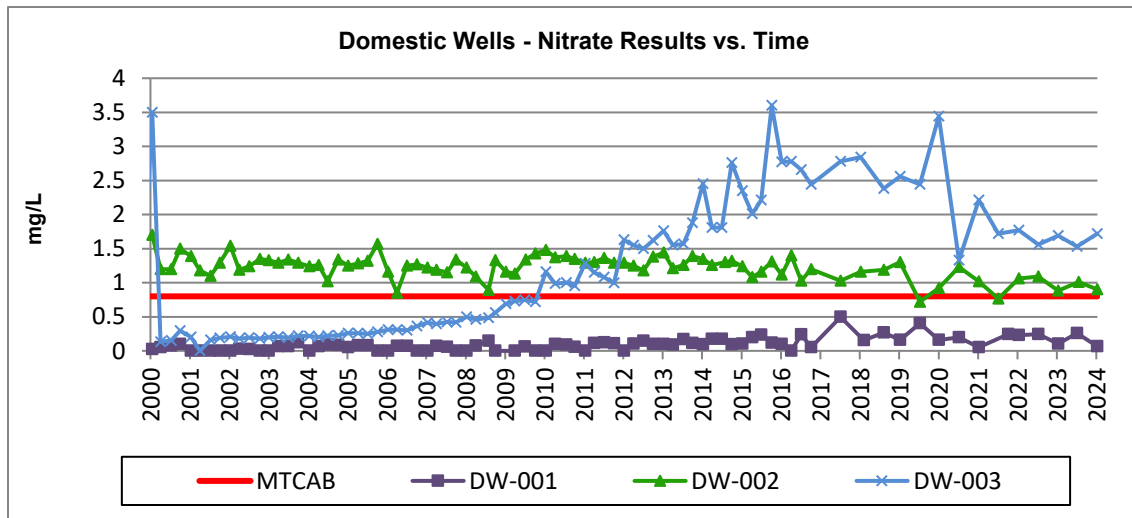


Figure 2-60: Domestic Wells Conventional Concentration Graphs (cont.)



Domestic Analyte Concentrations: Summary of 5-year and 1-year differences:

StationID	Drainage	Analyte	2019 Results	2023 Results	2024 Results	5-Year Difference	1-Year Difference	Units	Type
DW-001	Domestic	ALK	143	151	145	2	-6	mg/L as Ca	C
DW-001	Domestic	Cl	6.16	7.79	5.35	-0.81	-2.44	mg/L	C
DW-001	Domestic	N-NH3	0	0	0	0	0	mg/L	C
DW-001	Domestic	N-NO3	0.161	0.105	0.068	-0.093	-0.03700	mg/L	C
DW-001	Domestic	SO4	10.1	10.2	11.5	1.4	1.3	mg/L	C
DW-001	Domestic	TOC	0	0	0	0	0	mg/L	C
DW-002	Domestic	ALK	155	163	158	3	-5	mg/L as Ca	C
DW-002	Domestic	Cl	8.51	8.04	8.78	0.27	0.74	mg/L	C
DW-002	Domestic	N-NH3	0	0	0	0	0	mg/L	C
DW-002	Domestic	N-NO3	1.3	0.879	0.903	-0.397	0.024	mg/L	C
DW-002	Domestic	SO4	4.97	3.94	4.82	-0.15	0.88	mg/L	C
DW-002	Domestic	TOC	0	0	0	0	0	mg/L	C
DW-003	Domestic	ALK	174	178	179	5	1	mg/L as Ca	C
DW-003	Domestic	Cl	0.92	0.74	0.81	-0.11	0.07	mg/L	C
DW-003	Domestic	N-NH3	0	0.039	0	0	-0.039	mg/L	C
DW-003	Domestic	N-NO3	2.35	1.69	1.72	-0.63	0.03	mg/L	C
DW-003	Domestic	SO4	1.63	1.22	1.73	0.1	0.51	mg/L	C
DW-003	Domestic	TOC	0	0	0	0	0	mg/L	C
DW-001	Domestic	As	0	0.00206	0.00214	0.00214	0.00008	mg/L	I
DW-001	Domestic	Ba	0.0092	0.0125	0.0072	-0.002	-0.0053	mg/L	I
DW-001	Domestic	Mn	0	0	0	0	0	mg/L	I
DW-001	Domestic	Pb	0	0	0	0	0	mg/L	I
DW-001	Domestic	Zn	0.086	0.0473	0.0321	-0.0539	-0.0152	mg/L	I
DW-002	Domestic	As	0	0	0	0	0	mg/L	I
DW-002	Domestic	Ba	0.0398	0.0406	0.037	-0.0028	-0.0036	mg/L	I
DW-002	Domestic	Mn	0	0	0	0	0	mg/L	I
DW-002	Domestic	Pb	0	0	0	0	0	mg/L	I
DW-002	Domestic	Zn	0.332	0.0146	0	-0.332	-0.0146	mg/L	I
DW-003	Domestic	As	0	0	0	0	0	mg/L	I
DW-003	Domestic	Ba	0.0275	0.0276	0.0263	-0.0012	-0.0013	mg/L	I
DW-003	Domestic	Mn	0	0	0	0	0	mg/L	I

StationID	Drainage	Analyte	2019 Results	2023 Results	2024 Results	5-Year Difference	1-Year Difference	Units	Type
DW-003	Domestic	Pb	0	0	0	0	0	mg/L	I
DW-003	Domestic	Zn	0.08	0.0709	0.04	-0.04	-0.0309	mg/L	I
DW-001	Domestic	1,2-DCP	0	0	0	0	0	ug/L	V
DW-001	Domestic	Acetone	0	0	0	0	0	ug/L	V
DW-001	Domestic	Benzene	0	0	0	0	0	ug/L	V
DW-001	Domestic	DCA	0	0	0	0	0	ug/L	V
DW-001	Domestic	MC	0	0	0	0	0	ug/L	V
DW-001	Domestic	PCE	0	0	0	0	0	ug/L	V
DW-001	Domestic	TCE	0	0	0	0	0	ug/L	V
DW-001	Domestic	Toluene	0	0	0	0	0	ug/L	V
DW-001	Domestic	VC	0	0	0	0	0	ug/L	V
DW-002	Domestic	1,2-DCP	0	0	0	0	0	ug/L	V
DW-002	Domestic	Acetone	0	5.63	0	0	-5.63	ug/L	V
DW-002	Domestic	Benzene	0	0	0	0	0	ug/L	V
DW-002	Domestic	DCA	0	0	0	0	0	ug/L	V
DW-002	Domestic	MC	0	0	0	0	0	ug/L	V
DW-002	Domestic	PCE	0	0	0	0	0	ug/L	V
DW-002	Domestic	TCE	0	0	0	0	0	ug/L	V
DW-002	Domestic	Toluene	0	0	0	0	0	ug/L	V
DW-002	Domestic	VC	0	0	0	0	0	ug/L	V
DW-003	Domestic	1,2-DCP	0	0	0	0	0	ug/L	V
DW-003	Domestic	Acetone	0	0	0	0	0	ug/L	V
DW-003	Domestic	Benzene	0	0	0	0	0	ug/L	V
DW-003	Domestic	DCA	0	0	0	0	0	ug/L	V
DW-003	Domestic	MC	0	0	0	0	0	ug/L	V
DW-003	Domestic	PCE	0	0	0	0	0	ug/L	V
DW-003	Domestic	TCE	0	0	0	0	0	ug/L	V
DW-003	Domestic	Toluene	0	0	0	0	0	ug/L	V
DW-003	Domestic	VC	0	0	0	0	0	ug/L	V

Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.

Increases in analyte concentrations are highlighted in **RED**.

Decreases in analyte concentrations are highlighted in **BLUE**

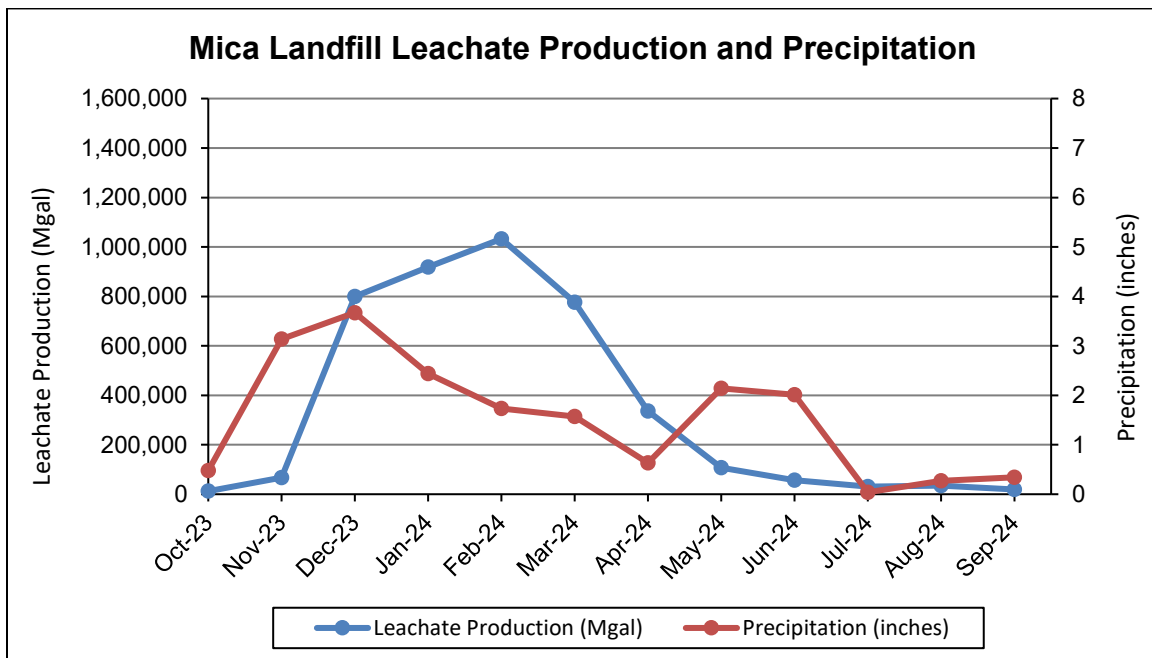
3 LEACHATE

3.1 LEACHATE DATA

On November 1st, 2021, Spokane County Environmental Services discontinued the Mica Landfill's Wastewater Discharge Permit number SIU-4953-0-A, along with the leachate sampling and monthly Discharge Monitoring Reports (DMRs).

LEACHATE PRODUCTION

Monthly and quarterly leachate production rates are presented in Table 3-1 along with local precipitation amounts. Total annual production rates and precipitation totals versus time are shown in Figure 3-6. The total amount of leachate generated at the Mica Landfill from October 2023 through September 2024 was approximately 4,191,266 gallons. Leachate probes LP-1, LP-2, and LP-3 were dry, and static water levels could not be obtained.



Leachate Hydrographs

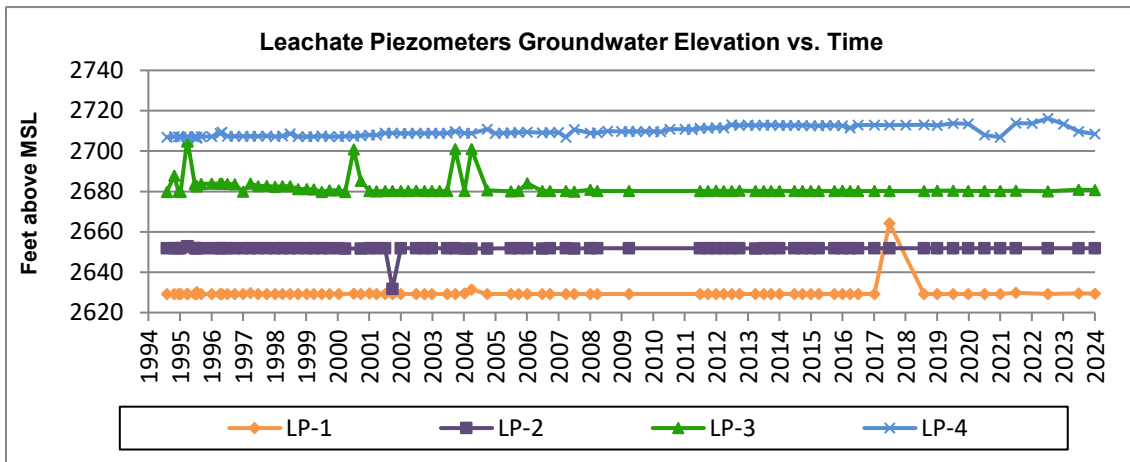


Figure 3-1: Leachate Piezometers Groundwater Elevations vs. Time

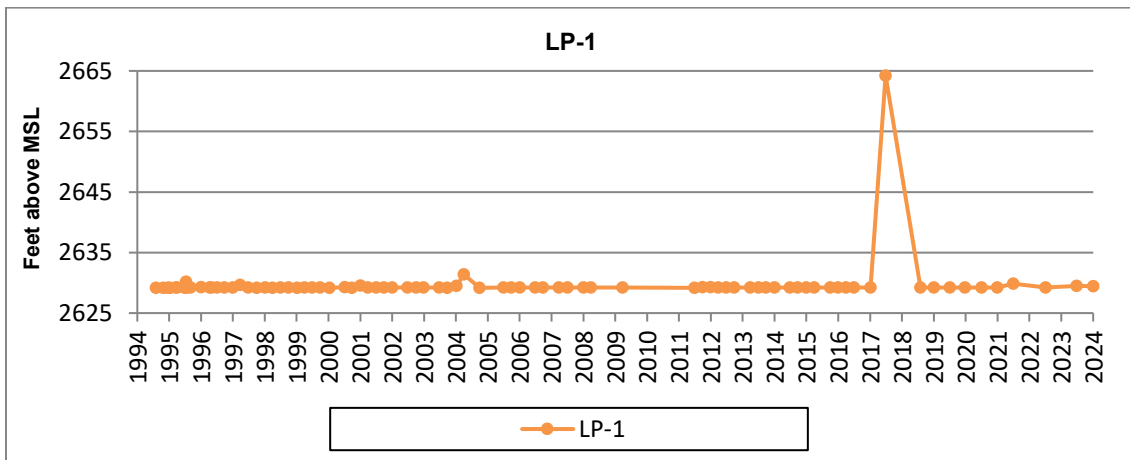


Figure 3-2: LP-1 Groundwater Elevations vs. Time

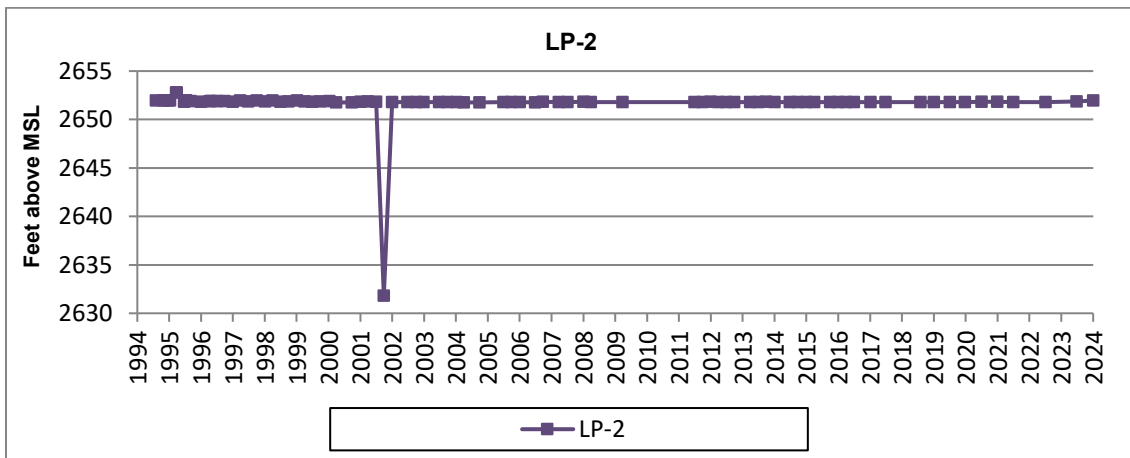


Figure 3-3: LP-2 Groundwater Elevations vs. Time

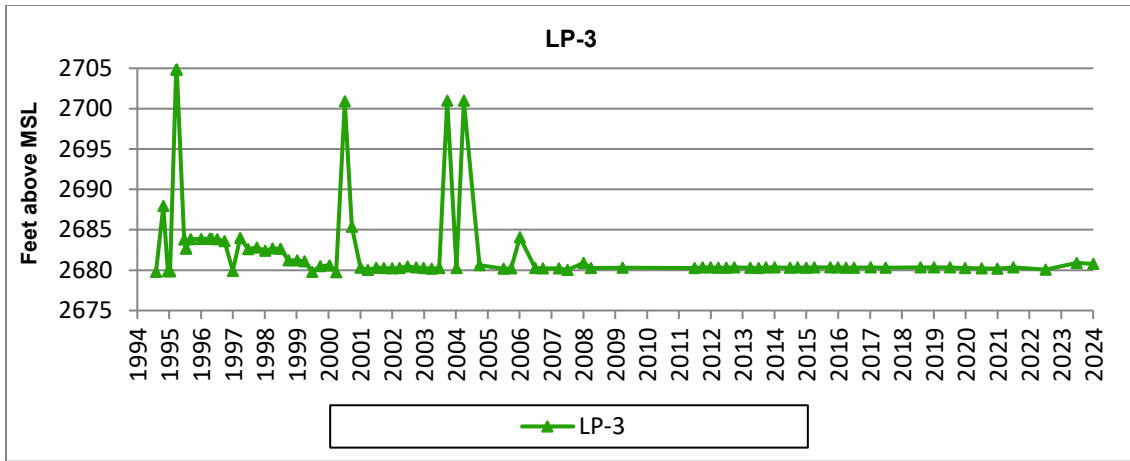


Figure 3-4: LP-3 Groundwater Elevations vs. Time

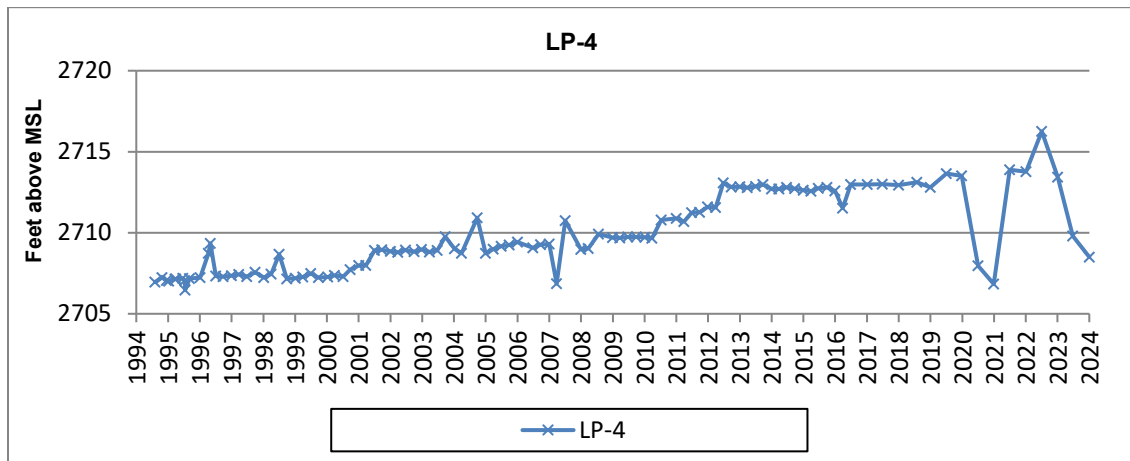


Figure 3-5: LP-4 Groundwater Elevations vs. Time

Leachate Production Summary

Table 3-1: Leachate Production Summary for the Reporting Period

Month	Leachate Volume (gal)	Precipitation (inches)
Oct-23	12,395	0.48
Nov-23	66,882	3.14
Dec-23	799,871	3.67
Jan-24	918,880	2.44
Feb-24	1,032,531	1.73
Mar-24	776,690	1.57
Apr-24	336,328	0.63
May-24	107,696	2.14
Jun-24	56,078	2.01
Jul-24	30,421	0.04
Aug-24	34,753	0.27
Sep-24	18,741	0.34
Total - Annual	4,191,266	18.46

Annual Leachate Production Rates and Precipitation Data vs. Time

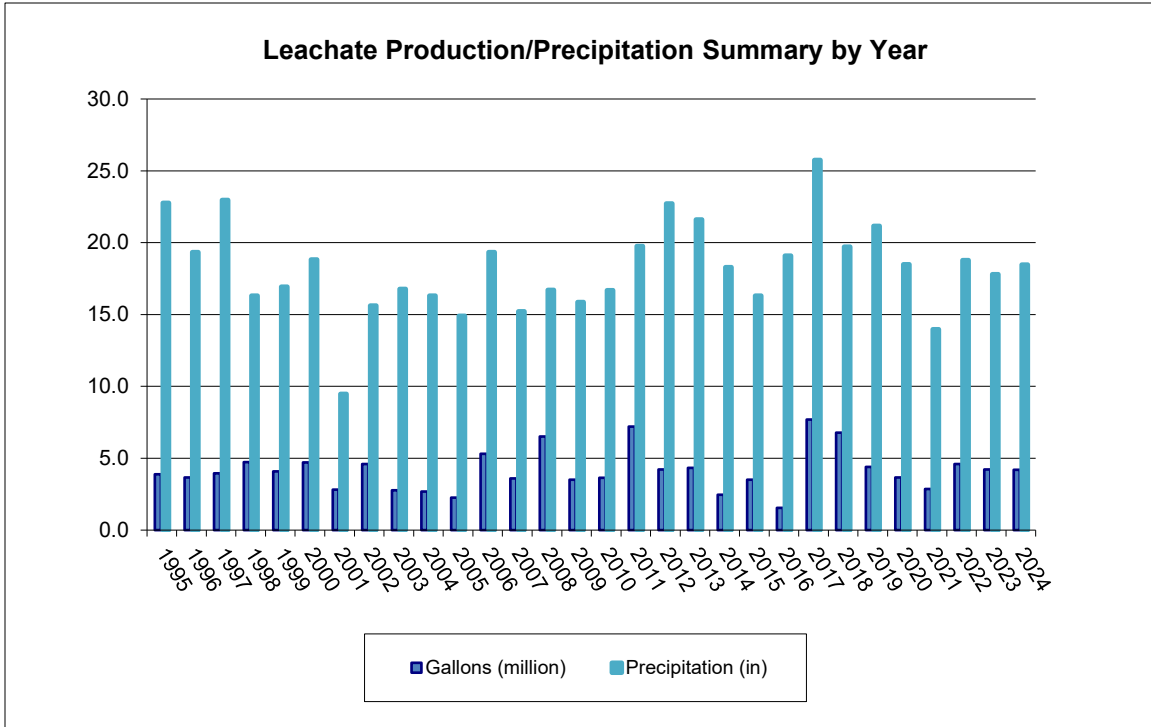


Figure 3-6: Leachate Production/Precip Summary by Year

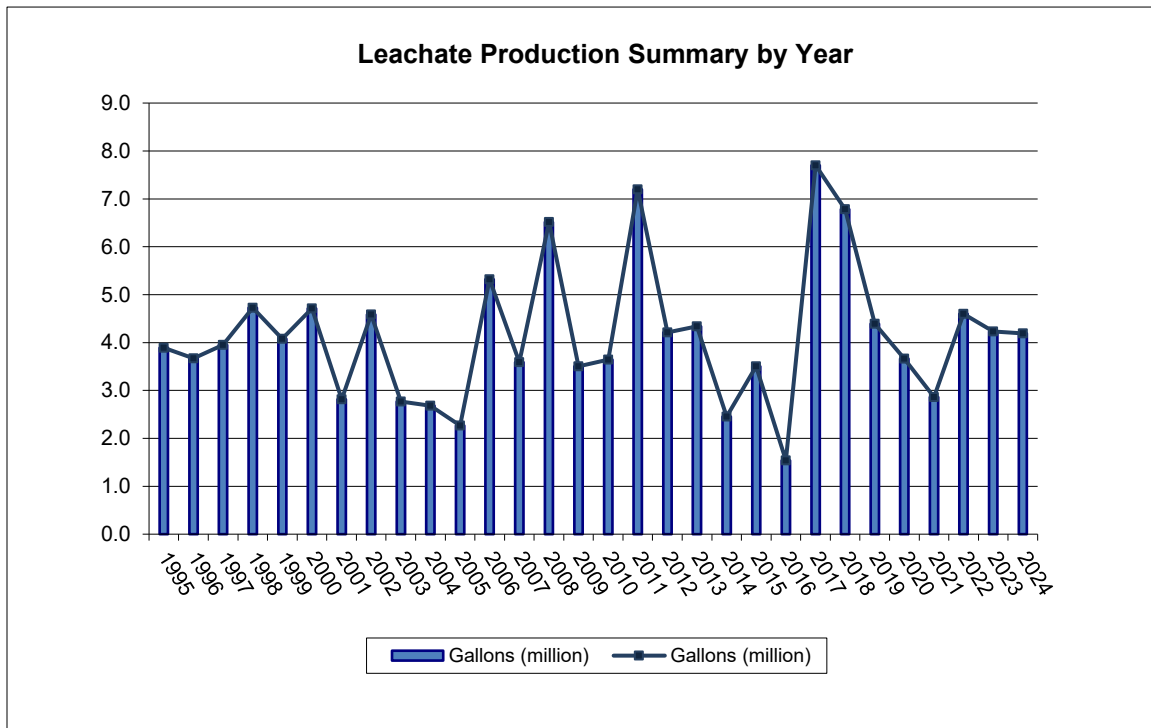


Figure 3-7: Leachate Production Summary by Year

4 LANDFILL GAS

Mica Landfill Flare and Gas Probe Locations

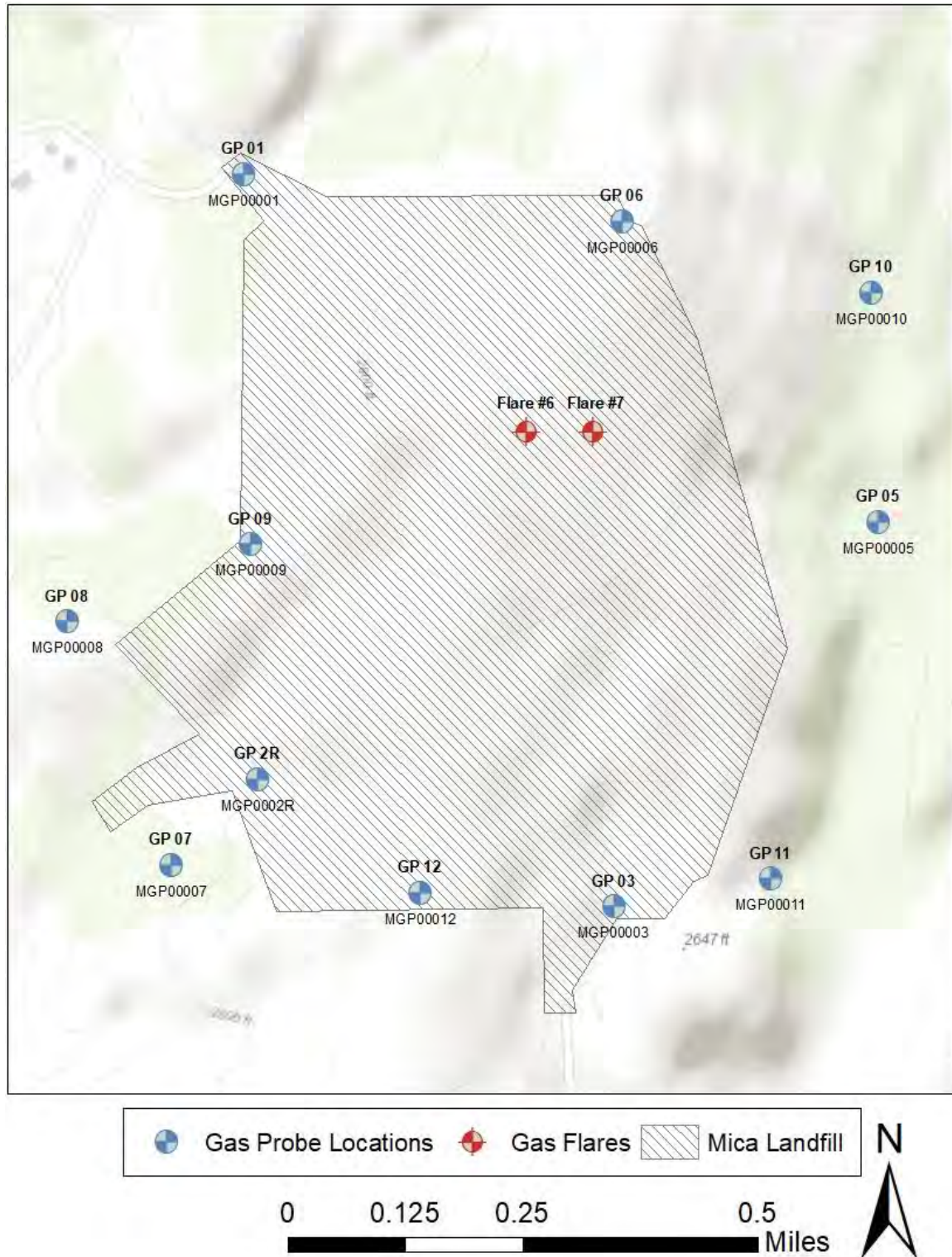


Figure 4-1: Flare and perimeter gas probe locations

FLARE STATIONS

A summary of monitoring results from the operational flare stations is presented in Table 4-1. The Mica Landfill produced an estimated 23.8 million cubic feet of landfill gas in 2024. The average methane concentration was approximately 36.5%.

GAS PROBES

Monthly gas probe monitoring results are presented in APPENDIX D - LANDFILL GAS PROBE MEASUREMENTS. There were no methane detections near or above the regulatory criteria of 5% during this annual reporting period.

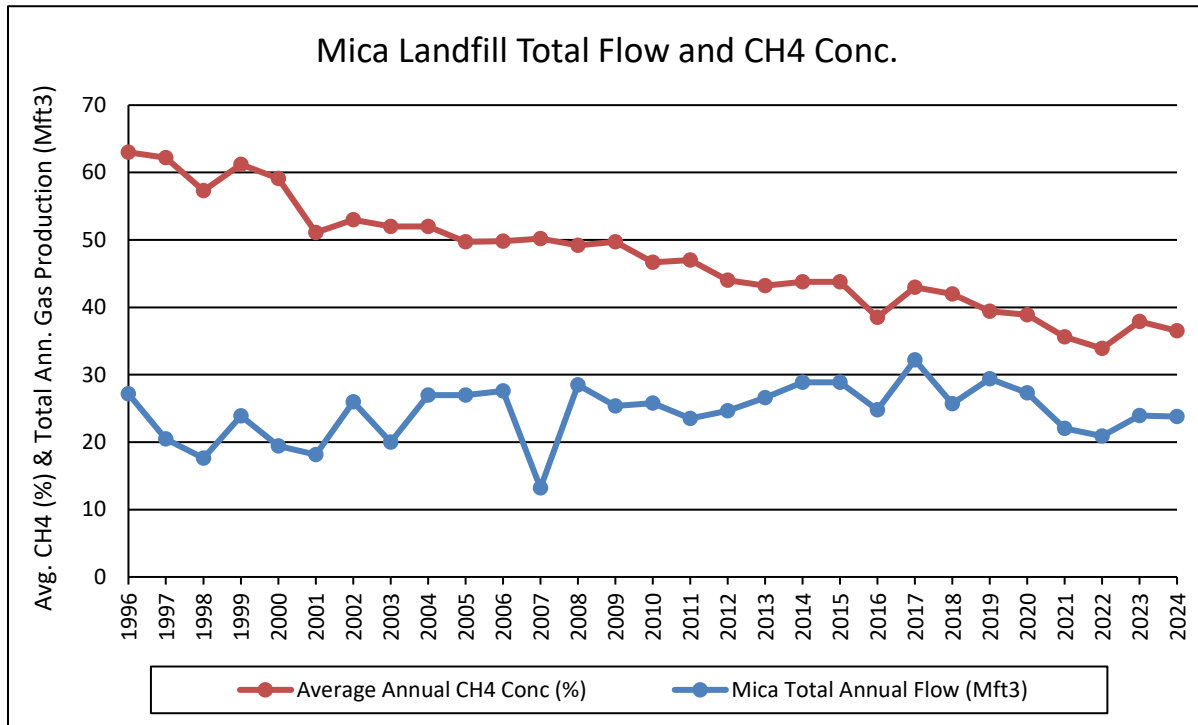


Figure 4-2: Total Annual Gas Production (Mft³) and Avg. Annual CH₄ Conc. (%)

MICA FLARE STATION SUMMARY

Table 4-1: Annual Summary of Mica Landfill Flare Stations

Mica Landfill Emission Point Summary for 2024				
	Flare 6		Flare 7	
DATE	flow	%CH4	flow	%CH4
Jan-24	300	39.2	270	32.9
Feb-24	100	41.9	75	42.2
Mar-24	79	36.6	49	29.7
Apr-24	624	40.2	534	37.2
May-24	580	35	550	32.7
Jun-24	570	44.8	300	44.2
Jul-24	610	35.1	580	32.2
Aug-24	485	32.7	470	29.8
Sep-24	680	49.3	650	46.3
Oct-24	325	26.8	300	24
Nov-24	395	38.6	385	36.8
Dec-24	270	33.3	260	33.9
Total	5018	453.5	4423	421.9
Average	418.2	37.8	368.6	35.2

Flare 6:	418.2	* 0.66 * 0.0872	= 24.066328	* 525,600/10 ⁶ =	12.65
Flare 7:	368.6	* 0.66 * 0.0872	= 21.212708	* 525,600/10 ⁶ =	11.15
Total=					23.8 Mft3

5 MICA LANDFILL SETTLEMENT DATA

5.1 MICA LANDFILL SETTLEMENT INFORMATION

There are currently a total of 11 settlement markers at the Mica Landfill. Settlement marker locations are presented in Figure 5-1. The last settlement marker survey for the Mica Landfill was conducted on 12/19/2023. Table 5-1 presents a summary of the differences measured at the settlement markers between 2022/2023 and 1999/2023. Settlement markers MSMR1 and MSMR2 are replacement settlement markers for MSM1 and MSM2, respectively. Overall, there were very small differences in elevation observed at the settlement markers between 2022 and 2023. Since 1999, settlement markers MSM3, MSM5, and MSM11 have shown greater than 2 ft. differences in elevation. County personnel are learning to conduct the settlement surveying in-house, so the next Mica Landfill settlement marker survey will be conducted in 2024.

Table 5-1: Summary of Survey Measurement Differences

Settlement Marker ID	Elevation - 2023	Difference in Elevation from 2022		Difference in Elevation from 1999
MSMR1	2738.19	0.000	--	N/A
MSMR2	2723.90	-0.056	▼	N/A
MSM3	2797.08	-0.092	▼	-2.90
MSM4	2765.56	-0.042	▼	-0.93
MSM5	2852.40	-0.079	▼	-2.33
MSM6	2876.41	-0.109	▼	-1.22
MSM7	2826.33	-0.073	▼	-0.63
MSM8A	2840.29	-0.029	▼	-0.76
MSM9	2858.39	-0.031	▼	-0.20
MSM10	2752.48	-0.066	▼	-1.18
MSM11	2683.10	-0.050	▼	-2.07

Mica Landfill Settlement Markers

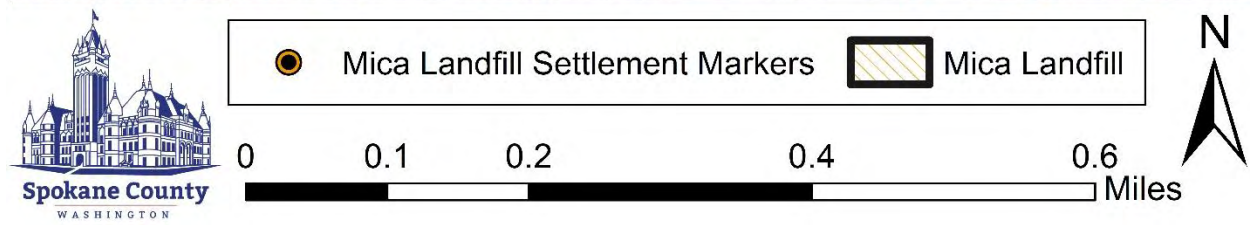
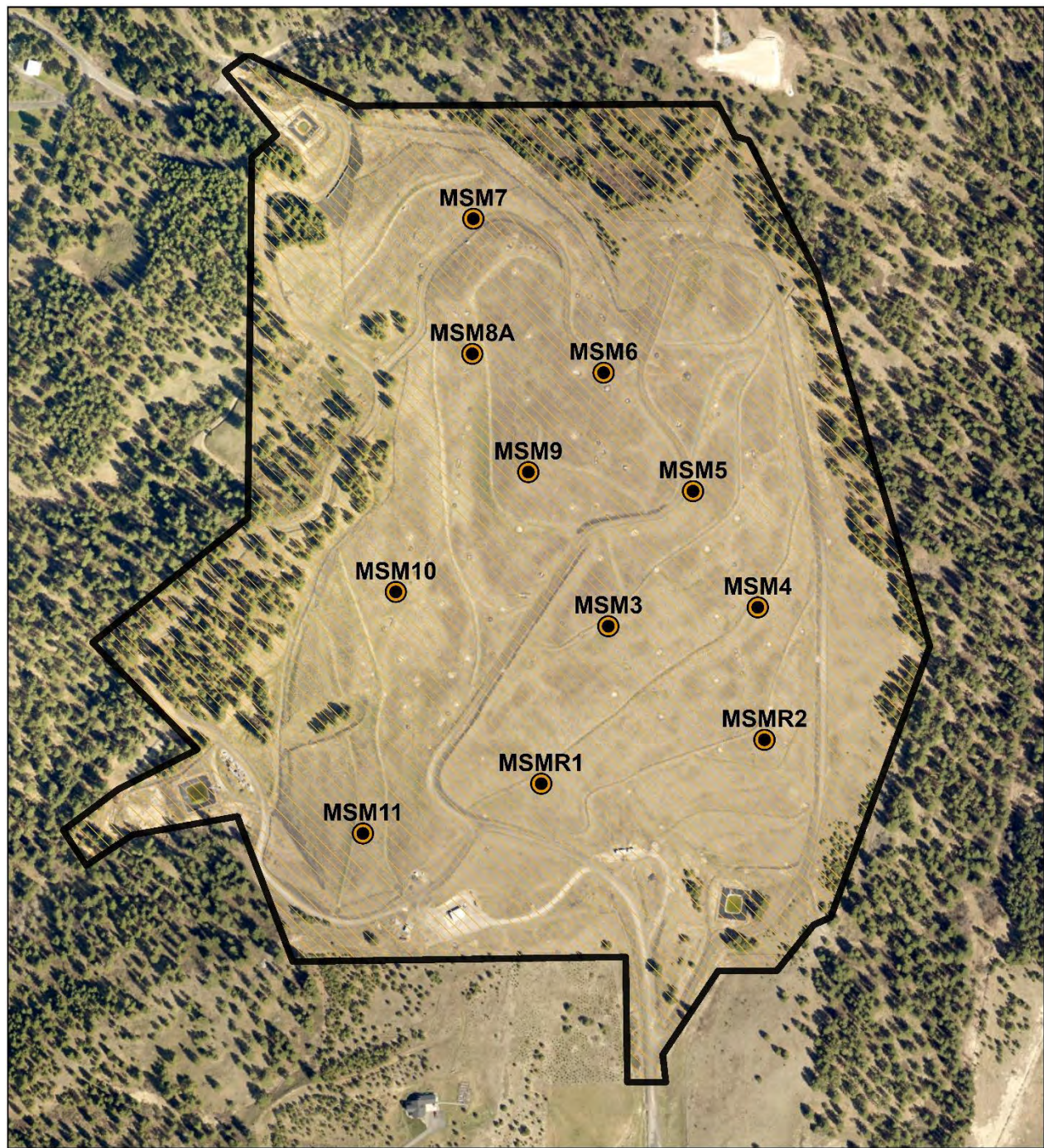


Figure 5-1: Mica Landfill Settlement Marker Locations

APPENDIX A - LABORATORY RESULTS



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net

Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X4F0084**
Reported: 20-Jun-24 14:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWMW-016-240605	X4F0084-01	Water	05-Jun-24 10:40	CC	06-Jun-2024	
GWMW-031-240605	X4F0084-02	Water	05-Jun-24 08:30	CC	06-Jun-2024	

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X4F0084**
Reported: 20-Jun-24 14:36Client Sample ID: **GWMW-016-240605**

Sampled: 05-Jun-24 10:40

Received: 06-Jun-24

Sampled By: CC

SVL Sample ID: **X4F0084-01 (Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X424156	MAC	06/19/24 14:29	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.643	mg/L	0.0040	0.0019		X424245	NMS	06/17/24 13:08	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X424245	NMS	06/17/24 13:08	
EPA 6010D	Manganese	0.570	mg/L	0.0080	0.0034		X424245	NMS	06/17/24 13:08	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X424245	NMS	06/17/24 13:08	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X424245	NMS	06/17/24 13:08	
EPA 6020B	Arsenic	0.0679	mg/L	0.00100	0.00021		X424247	SMU	06/18/24 12:18	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	0.369	mg/L	0.030	0.013		X424019	JPM	06/11/24 09:43	
SM 2320 B	Total Alkalinity	1260	mg/L as CaCO3	1.0			X423246	MWD	06/07/24 16:17	
SM 2320 B	Bicarbonate	1260	mg/L as CaCO3	1.0			X423246	MWD	06/07/24 16:17	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X423246	MWD	06/07/24 16:17	
SM 2540 C	Total Diss. Solids	1330	mg/L	40			X423213	TJL	06/07/24 14:30	D2
SM 5310B	Total Organic Carbon	29.1	mg/L	1.00	0.38		X423212	KAG	06/12/24 20:13	
Anions by Ion Chromatography										
EPA 300.0	Chloride	162	mg/L	10.0	1.10	50	X423218	RS	06/06/24 18:07	D2,M4
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X423218	RS	06/06/24 17:11	
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X423218	RS	06/06/24 17:11	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall
Project Manager Assistant



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X4F0084**
Reported: 20-Jun-24 14:36Client Sample ID: **GWMW-031-240605**

Sampled: 05-Jun-24 08:30

Received: 06-Jun-24

Sampled By: CC

SVL Sample ID: **X4F0084-02 (Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X424156	MAC	06/19/24 14:31	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0660	mg/L	0.0040	0.0019		X424245	NMS	06/17/24 13:12	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X424245	NMS	06/17/24 13:12	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X424245	NMS	06/17/24 13:12	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X424245	NMS	06/17/24 13:12	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X424245	NMS	06/17/24 13:12	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X424247	SMU	06/18/24 12:21	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X424019	JPM	06/11/24 09:45	
SM 2320 B	Total Alkalinity	82.2	mg/L as CaCO3	1.0			X423246	MWD	06/07/24 16:23	
SM 2320 B	Bicarbonate	82.2	mg/L as CaCO3	1.0			X423246	MWD	06/07/24 16:23	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X423246	MWD	06/07/24 16:23	
SM 2540 C	Total Diss. Solids	143	mg/L	10			X423213	TJL	06/07/24 14:30	
SM 5310B	Total Organic Carbon	2.84	mg/L	1.00	0.38		X423212	KAG	06/13/24 08:29	
Anions by Ion Chromatography										
EPA 300.0	Chloride	13.7	mg/L	2.00	0.22	10	X423218	RS	06/06/24 15:21	D2
EPA 300.0	Nitrate as N	0.142	mg/L	0.050	0.013		X423218	RS	06/06/24 15:02	
EPA 300.0	Sulfate as SO4	2.96	mg/L	0.30	0.18		X423218	RS	06/06/24 15:02	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall
Project Manager Assistant

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order:

X4F0084

Reported:

20-Jun-24 14:36

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total)								
EPA 7470A	Mercury	mg/L	<0.000200	0.000093	0.000200	X424156	19-Jun-24	
Metals (Total Recoverable)								
EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X424245	17-Jun-24	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X424245	17-Jun-24	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X424245	17-Jun-24	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X424245	17-Jun-24	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X424245	17-Jun-24	
EPA 6020B	Arsenic	mg/L	<0.00100	0.00021	0.00100	X424247	18-Jun-24	
Classical Chemistry Parameters								
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X424019	11-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	<1.0		1.0	X423246	07-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	<1.0		1.0	X423246	07-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0		1.0	X423246	07-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X423213	07-Jun-24	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X423212	12-Jun-24	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X423212	12-Jun-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X423218	07-Jun-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X423218	07-Jun-24	
EPA 300.0	Sulfate as SO ₄	mg/L	<0.30	0.18	0.30	X423218	07-Jun-24	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)									
EPA 7470A	Mercury	mg/L	0.00214	0.00200	107	80 - 120	X424156	19-Jun-24	
Metals (Total Recoverable)									
EPA 6010D	Barium	mg/L	1.03	1.00	103	80 - 120	X424245	17-Jun-24	
EPA 6010D	Lead	mg/L	0.966	1.00	96.6	80 - 120	X424245	17-Jun-24	
EPA 6010D	Manganese	mg/L	1.02	1.00	102	80 - 120	X424245	17-Jun-24	
EPA 6010D	Vanadium	mg/L	1.02	1.00	102	80 - 120	X424245	17-Jun-24	
EPA 6010D	Zinc	mg/L	0.957	1.00	95.7	80 - 120	X424245	17-Jun-24	
EPA 6020B	Arsenic	mg/L	0.0230	0.0250	92.1	80 - 120	X424247	18-Jun-24	
Classical Chemistry Parameters									
EPA 350.1	Ammonia as N	mg/L	0.965	1.00	96.5	90 - 110	X424019	11-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	9.6	9.93	96.7	96.4 - 105	X423246	07-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	102	99.3	103	96.4 - 105	X423246	07-Jun-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	414	397	104	96.4 - 105	X423246	07-Jun-24	
SM 5310B	Total Organic Carbon	mg/L	32.9	34.3	95.9	90 - 110	X423212	12-Jun-24	
SM 5310B	Total Organic Carbon	mg/L	33.6	34.3	97.9	90 - 110	X423212	12-Jun-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.06	3.00	102	90 - 110	X423218	07-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X423218	07-Jun-24	
EPA 300.0	Sulfate as SO ₄	mg/L	10.4	10.0	104	90 - 110	X423218	07-Jun-24	

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X4F0084**
Reported: 20-Jun-24 14:36**Quality Control - DUPLICATE Data**

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
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Classical Chemistry Parameters

SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	115	118	2.2	20	X423246 - X4F0075-02	07-Jun-24	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	115	118	2.2	20	X423246 - X4F0075-02	07-Jun-24	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X423246 - X4F0075-02	07-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	157	153	2.6	10	X423213 - X4F0078-09	07-Jun-24	
SM 2540 C	Total Diss. Solids	mg/L	652	643	1.4	10	X423213 - X4F0081-01	07-Jun-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	0.00223	<0.000200	0.00200	112	80 - 120	X424156 - X4F0084-02	19-Jun-24	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.67	0.643	1.00	103	75 - 125	X424245 - X4F0084-01	17-Jun-24	
EPA 6010D	Lead	mg/L	0.936	<0.0150	1.00	93.6	75 - 125	X424245 - X4F0084-01	17-Jun-24	
EPA 6010D	Manganese	mg/L	1.57	0.570	1.00	100	75 - 125	X424245 - X4F0084-01	17-Jun-24	
EPA 6010D	Vanadium	mg/L	1.05	<0.0050	1.00	105	75 - 125	X424245 - X4F0084-01	17-Jun-24	
EPA 6010D	Zinc	mg/L	0.918	<0.0100	1.00	91.8	75 - 125	X424245 - X4F0084-01	17-Jun-24	
EPA 6020B	Arsenic	mg/L	0.0246	<0.00100	0.0250	96.0	75 - 125	X424247 - X4F0084-02	18-Jun-24	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.40	0.369	1.00	103	90 - 110	X424019 - X4F0084-01	11-Jun-24	
EPA 350.1	Ammonia as N	mg/L	0.991	<0.030	1.00	99.1	90 - 110	X424019 - X4F0084-02	11-Jun-24	
SM 5310B	Total Organic Carbon	mg/L	11.9	1.97	10.0	99.0	80 - 120	X423212 - X4F0027-01	12-Jun-24	
SM 5310B	Total Organic Carbon	mg/L	9.64	<1.00	10.0	96.4	80 - 120	X423212 - X4F0078-09	12-Jun-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	4.97	1.79	3.00	106	90 - 110	X423218 - X4F0080-03	06-Jun-24	
EPA 300.0	Chloride	mg/L	167	162	3.00	0.30R>S	90 - 110	X423218 - X4F0084-01	07-Jun-24	D2,M4
EPA 300.0	Nitrate as N	mg/L	2.78	0.663	2.00	106	90 - 110	X423218 - X4F0080-03	06-Jun-24	
EPA 300.0	Nitrate as N	mg/L	2.04	<0.050	2.00	102	90 - 110	X423218 - X4F0084-01	06-Jun-24	
EPA 300.0	Sulfate as SO ₄	mg/L	31.8	21.4	10.0	104	90 - 110	X423218 - X4F0080-03	06-Jun-24	
EPA 300.0	Sulfate as SO ₄	mg/L	11.0	<0.30	10.0	107	90 - 110	X423218 - X4F0084-01	06-Jun-24	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	0.00217	0.00223	0.00200	2.8	20	109	X424156 - X4F0084-02	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.68	1.67	1.00	0.2	20	103	X424245 - X4F0084-01	
EPA 6010D	Lead	mg/L	0.935	0.936	1.00	0.1	20	93.5	X424245 - X4F0084-01	
EPA 6010D	Manganese	mg/L	1.59	1.57	1.00	1.2	20	102	X424245 - X4F0084-01	
EPA 6010D	Vanadium	mg/L	1.04	1.05	1.00	0.9	20	104	X424245 - X4F0084-01	
EPA 6010D	Zinc	mg/L	0.919	0.918	1.00	0.1	20	91.9	X424245 - X4F0084-01	
EPA 6020B	Arsenic	mg/L	0.0246	0.0246	0.0250	0.1	20	96.1	X424247 - X4F0084-02	



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Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X4F0084**

Reported: 20-Jun-24 14:36

Quality Control - MATRIX SPIKE DUPLICATE Data (Continued)

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.30	1.40	1.00	7.3	20	92.9	X424019 - X4F0084-01	
SM 5310B	Total Organic Carbon	mg/L	11.5	11.9	10.0	2.9	20	95.6	X423212 - X4F0027-01	
SM 5310B	Total Organic Carbon	mg/L	9.51	9.64	10.0	1.3	20	95.1	X423212 - X4F0078-09	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	164	167	3.00	1.7	20	0.30R>S	X423218 - X4F0084-01	D2,M4
EPA 300.0	Nitrate as N	mg/L	2.06	2.04	2.00	1.2	20	103	X423218 - X4F0084-01	
EPA 300.0	Sulfate as SO4	mg/L	11.0	11.0	10.0	0.6	20	108	X423218 - X4F0084-01	

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X4F0084**

Reported: 20-Jun-24 14:36

HOLDING TIME SUMMARY**EPA 300.0**Laboratory: **SVL Analytical, Inc.**SDG: **X4F0084**Client: **Spokane County Environmental Services (Colbert)**Project: **Routine**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GWMW-016-240605	06/05/24 10:40	06/06/24	06/06/24 13:19	1.1	2.0	06/06/24 17:11	1.3	2.0	
GWMW-016-240605	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GWMW-016-240605	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GWMW-031-240605	06/05/24 08:30	06/06/24	06/06/24 13:19	1.2	2.0	06/06/24 15:02	1.3	2.0	
GWMW-031-240605	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	
GWMW-031-240605	06/05/24	06/06/24	06/06/24	1	28	06/06/24	1	28	

HOLDING TIME SUMMARY**EPA 350.1**Laboratory: **SVL Analytical, Inc.**SDG: **X4F0084**Client: **Spokane County Environmental Services (Colbert)**Project: **Routine**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GWMW-016-240605	06/05/24	06/06/24	06/10/24	5	28	06/11/24	6	28	
GWMW-031-240605	06/05/24	06/06/24	06/10/24	5	28	06/11/24	6	28	

HOLDING TIME SUMMARY**EPA 7470A**Laboratory: **SVL Analytical, Inc.**SDG: **X4F0084**Client: **Spokane County Environmental Services (Colbert)**Project: **Routine**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GWMW-016-240605	06/05/24	06/06/24	06/19/24	14	28	06/19/24	14	28	
GWMW-031-240605	06/05/24	06/06/24	06/19/24	14	28	06/19/24	14	28	

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X4F0084**

Reported: 20-Jun-24 14:36

HOLDING TIME SUMMARY**SM 2320 B**Laboratory: **SVL Analytical, Inc.**SDG: **X4F0084**Client: **Spokane County Environmental Services (Colbert)**Project: **Routine**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GWMW-016-240605	06/05/24	06/06/24	06/07/24	2	14	06/07/24	2	14	
GWMW-031-240605	06/05/24	06/06/24	06/07/24	2	14	06/07/24	2	14	

HOLDING TIME SUMMARY**SM 2540 C**Laboratory: **SVL Analytical, Inc.**SDG: **X4F0084**Client: **Spokane County Environmental Services (Colbert)**Project: **Routine**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GWMW-016-240605		06/06/24		1	7		1.0		
GWMW-031-240605		06/06/24		1	7		1.0		

HOLDING TIME SUMMARY**SM 5310B**Laboratory: **SVL Analytical, Inc.**SDG: **X4F0084**Client: **Spokane County Environmental Services (Colbert)**Project: **Routine**

Sample Name	Date Collected	Date Recvd	Date Prepped	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GWMW-016-240605	06/05/24	06/06/24	06/12/24	7	28	06/12/24	7	28	
GWMW-031-240605	06/05/24	06/06/24	06/12/24	7	28	06/13/24	8	28	



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Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order:

X4F0084

Reported:

20-Jun-24 14:36

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

Work Order: **X4F0084**
Spokane County Environmental Services (C



CLIENT:
SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY RD.
COLBERT, WASHINGTON 99005
(509) 238-6607 FAX (509) 238-6812
MICA (509)924-5223

SHIPPING CO: UPS Ground
SHIPPING #: K2746635967
NUMBER OF COOLERS:

DATE: 06/05/24
PAGE 1 OF 1

[illegible]

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP astewart@spokanecounty.org and mterris@spokanecounty.org

RELINQUISHED BY

SIGNATURE:

PRINT NAME:

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: 06/05/24
TIME: 1300

RECEIVED BY

SIGNATURE:

PRINT NAME:

COMPANY:

DATE: 6/6/24
TIME: 0900

SAMPLE RECEIPT/CHAIN-OF-CUSTODY CHECKLIST

The following items were checked for completeness, correctness, and compliance to project specifications using the Chain-of-Custody (COC) and other supporting information.

Date of acceptance: 6/6/24

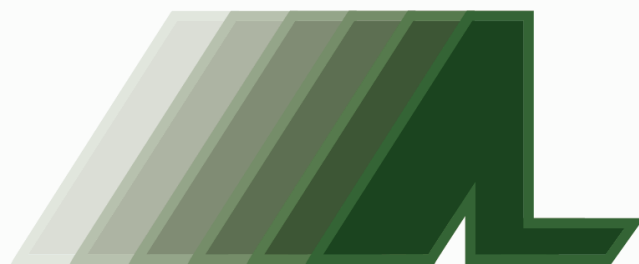
By: MB

SVL Work No: X4F0084

Item	Description	V	NA	Comments
1	Client or project name	✓		Spokane County
2	Date and time of receipt at lab	✓		6/6/24 0900
3	Received by	✓		MB
4	Temperature blank or cooler temperature	✓		Temp 3.8 °C T098/T126
5	Were the sample(s) received on ice	✓		
6	Custody tape/bottle seals	✓		
7	Shipper's air bill	✓		UPS K274 6635967
8	Condition of samples upon receipt (leaking; bubbles in VOA vials)	✓		good
9	Analysis requested for each sample	✓		
10	Sample matrix description	✓		
11	The correct preservative for the analysis requested	✓		
12	Did an SVL employee preserve sample(s) upon receipt		✓	
13	Additional Information		✓	

V- Verified NA- Not Applicable

Comments:



ANATEK LABS

Analytical Results Report For:

Spokane County Utilities

Project Number:

X4F0086

Anatek Work Order:

MEF0227

Anatek Labs, Inc.

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

Client: Spokane County Utilities
Address: 22515 N. Elk Chattaroy Rd
Colbert, WA 99005
Attn: Dave Tryon

Work Order: MEF0227
Project: X4F0086
Reported: 6/25/2024 08:40

Analytical Results Report

Sample Location: X4F0086-01 (GWMW-016-240605)
Lab/Sample Number: MEF0227-01 **Collect Date:** 06/05/24 10:40
Date Received: 06/06/24 15:16 **Collected By:** CC
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,1-Dichloroethane	10.5	ug/L	5.00	6/18/24 12:29	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	10.2	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,2-Dichloroethane	2.84	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,2-Dichloropropane	15.2	ug/L	5.00	6/18/24 12:29	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	3.24	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
1,4-Dichlorobenzene	1.68	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
2-hexanone	3.53	ug/L	2.50	6/17/24 15:58	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Acetone	148	ug/L	25.0	6/18/24 12:29	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Benzene	11.6	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Chlorobenzene	1.08	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Chloroethane	10.9	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	

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Sample Location: X4F0086-01 (GWMW-016-240605)
Lab/Sample Number: MEF0227-01 Collect Date: 06/05/24 10:40
Date Received: 06/06/24 15:16 Collected By: CC
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Chloromethane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
cis-1,2-dichloroethene	1.75	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Dichlorodifluoromethane	2.15	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Ethylbenzene	38.3	ug/L	5.00	6/18/24 12:29	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Isopropylbenzene	5.31	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
m+p-Xylene	26.4	ug/L	5.00	6/18/24 12:29	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	54.6	ug/L	25.0	6/18/24 12:29	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	27.4	ug/L	25.0	6/18/24 12:29	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	6/17/24 15:58	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Naphthalene	17.5	ug/L	5.00	6/18/24 12:29	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
n-Propylbenzene	1.09	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
o-Xylene	11.9	ug/L	5.00	6/18/24 12:29	BKP	EPA 8260D	
p-isopropyltoluene	10.9	ug/L	5.00	6/18/24 12:29	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Toluene	10.8	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
trans-1,2-Dichloroethene	1.45	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Trichloroethene	0.580	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Trichlorofluoromethane	1.19	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Vinyl Chloride	0.590	ug/L	0.500	6/17/24 15:58	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	101%		70-130	6/17/24 15:58	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	98.6%		70-130	6/17/24 15:58	BKP	EPA 8260D	
Surrogate: Toluene-d8	101%		70-130	6/17/24 15:58	BKP	EPA 8260D	

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Sample Location: X4F0086-02 (GWMW-031-240605)
Lab/Sample Number: MEF0227-02 Collect Date: 06/05/24 08:30
Date Received: 06/06/24 15:16 Collected By: CC
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	6/17/24 16:54	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	6/17/24 16:54	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Carbon disulfide	0.700	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	

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Sample Location: X4F0086-02 (GWMW-031-240605)
Lab/Sample Number: MEF0227-02 Collect Date: 06/05/24 08:30
Date Received: 06/06/24 15:16 Collected By: CC
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	6/17/24 16:54	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	6/17/24 16:54	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	6/17/24 16:54	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	6/17/24 16:54	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	102%		70-130	6/17/24 16:54	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	99.0%		70-130	6/17/24 16:54	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.9%		70-130	6/17/24 16:54	BKP	EPA 8260D	

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Sample Location: X4F0086-03 (MWS-2-1-240605)
Lab/Sample Number: MEF0227-03 Collect Date: 06/05/24 00:00
Date Received: 06/06/24 15:16 Collected By: CC
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.200	6/17/24 17:22	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
2-Chloroethyl vinyl ether	ND	ug/L	2.50	6/17/24 17:22	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	6/17/24 17:22	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Acetone	8.71	ug/L	2.50	6/17/24 17:22	BKP	EPA 8260D	
Acrolein	ND	ug/L	2.50	6/17/24 17:22	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	2.50	6/17/24 17:22	BKP	EPA 8260D	
Benzene	ND	ug/L	0.200	6/17/24 17:22	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.200	6/17/24 17:22	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	2.50	6/17/24 17:22	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.200	6/17/24 17:22	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.200	6/17/24 17:22	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.200	6/17/24 17:22	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	

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Sample Location: X4F0086-03 (MWS-2-1-240605)
Lab/Sample Number: MEF0227-03 Collect Date: 06/05/24 00:00
Date Received: 06/06/24 15:16 Collected By: CC
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Isopropylbenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	1.00	6/17/24 17:22	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	6/17/24 17:22	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	6/17/24 17:22	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Total Xylene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.200	6/17/24 17:22	BKP	EPA 8260D	
trans-1-4-Dichloro-2-butene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Vinyl acetate	ND	ug/L	0.500	6/17/24 17:22	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.200	6/17/24 17:22	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	102%		70-130	6/17/24 17:22	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	98.4%		70-130	6/17/24 17:22	BKP	EPA 8260D	
Surrogate: Toluene-d8	99.3%		70-130	6/17/24 17:22	BKP	EPA 8260D	

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Authorized Signature,



Justin Doty For Todd Taruscio, Laboratory Manager

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

This report shall not be reproduced except in full, without the written approval of the laboratory
The results reported related only to the samples indicated.

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Quality Control Data

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BEF0700 - VOC

Blank (BEF0700-BLK1)

Prepared & Analyzed: 06/17/24 09:53

cis-1,3-Dichloropropene	ND		0.500	ug/L
m/p Xylenes (MCL for total)	ND		0.500	ug/L
Isopropylbenzene	ND		0.500	ug/L
Hexachlorobutadiene	ND		0.500	ug/L
Ethylbenzene	ND		0.500	ug/L
Dichlorodifluoromethane	ND		0.500	ug/L
Trichloroethene	ND		0.500	ug/L
Dibromochloromethane	ND		0.500	ug/L
Methylene Chloride (Dichloromethane)	ND		2.50	ug/L
cis-1,2-Dichloroethylene	ND		0.500	ug/L
Chloromethane	ND		0.500	ug/L
Chloroform	ND		0.500	ug/L
Chloroethane	ND		0.500	ug/L
Chlorobenzene (Monochlorobenzene)	ND		0.500	ug/L
Carbon Tetrachloride	ND		0.500	ug/L
Dibromomethane	ND		0.500	ug/L
p-isopropyltoluene	ND		0.500	ug/L
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L
trans-1,2 Dichloroethylene	ND		0.500	ug/L
Toluene	ND		0.500	ug/L
Tetrachloroethylene	ND		0.500	ug/L
tert-Butylbenzene	ND		0.500	ug/L
Methyl ethyl ketone (MEK)	ND		2.50	ug/L
sec-Butylbenzene	ND		0.500	ug/L
Methyl isobutyl ketone (MIBK)	ND		2.50	ug/L
o-Xylene (MCL for total)	ND		0.500	ug/L
n-Propylbenzene	ND		0.500	ug/L
n-Butylbenzene	ND		0.500	ug/L
Naphthalene	ND		0.500	ug/L
methyl-t-butyl ether (MTBE)	ND		0.500	ug/L
Bromoform	ND		0.500	ug/L
Styrene	ND		0.500	ug/L
1,2,3-Trichlorobenzene	ND		0.500	ug/L
Carbon disulfide	ND		0.500	ug/L
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND		0.500	ug/L
EDB (screening)	ND		0.500	ug/L
DBCP (screening)	ND		0.500	ug/L
1,2,4-Trimethylbenzene	ND		0.500	ug/L
1,2-Dichloropropane	ND		0.500	ug/L
1,2,3-Trichloropropane	ND		0.500	ug/L
1,3,5-Trimethylbenzene	ND		0.500	ug/L
1,1-Dichloropropene	ND		0.500	ug/L
1,1-Dichloroethylene	ND		0.500	ug/L
1,1-Dichloroethane	ND		0.500	ug/L
1,1,2-Trichloroethane	ND		0.500	ug/L
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L

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Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BEF0700 - VOC (Continued)

Blank (BEF0700-BLK1)

Prepared & Analyzed: 06/17/24 09:53

1,1,1-Trichloroethane	ND		0.500	ug/L						
1,2,4-Trichlorobenzene	ND		0.500	ug/L						
Trichlorofluoromethane	ND		0.500	ug/L						
Bromodichloromethane	ND		0.500	ug/L						
Bromochloromethane	ND		0.500	ug/L						
Bromobenzene	ND		0.500	ug/L						
Benzene	ND		0.500	ug/L						
Acrylonitrile	ND		0.500	ug/L						
1,2-Dichloroethane	ND		0.500	ug/L						
p-Chlorotoluene	ND		0.500	ug/L						
Bromomethane	ND		0.500	ug/L						
2-hexanone	ND		2.50	ug/L						
o-Chlorotoluene	ND		0.500	ug/L						
2,2-Dichloropropane	ND		0.500	ug/L						
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND		0.500	ug/L						
1,3-Dichloropropane	ND		0.500	ug/L						
m-Dichlorobenzene	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
Vinyl Chloride	ND		0.500	ug/L						
trans-1,3-Dichloropropene	ND		0.500	ug/L						

Surrogate: Toluene-d8

19.9

ug/L

20.0

99.6

70-130

Surrogate: 4-Bromofluorobenzene

19.8

ug/L

20.0

99.1

70-130

Surrogate: 1,2-Dichlorobenzene-d4

20.2

ug/L

20.0

101

70-130

LCS (BEF0700-BS1)

Prepared & Analyzed: 06/17/24 14:33

cis-1,3-Dichloropropene	9.61		0.500	ug/L	10.0		96.1	79-123
Methyl ethyl ketone (MEK)	10.4		2.50	ug/L	10.0		104	55-154
m/p Xylenes (MCL for total)	19.6		0.500	ug/L	20.0		98.0	80-120
Isopropylbenzene	9.90		0.500	ug/L	10.0		99.0	80-120
Hexachlorobutadiene	10.2		0.500	ug/L	10.0		102	80-120
Ethylbenzene	9.73		0.500	ug/L	10.0		97.3	80-120
Dichlorodifluoromethane	8.99		0.500	ug/L	10.0		89.9	57-130
Dibromochloromethane	9.46		0.500	ug/L	10.0		94.6	80-121
Naphthalene	10.5		0.500	ug/L	10.0		105	66-133
cis-1,2-Dichloroethylene	9.88		0.500	ug/L	10.0		98.8	80-120
Chloroform	9.62		0.500	ug/L	10.0		96.2	80-120
Chloroethane	9.42		0.500	ug/L	10.0		94.2	78-120
Chlorobenzene (Monochlorobenzene)	9.71		0.500	ug/L	10.0		97.1	80-120
Carbon Tetrachloride	9.16		0.500	ug/L	10.0		91.6	80-120
Dibromomethane	9.70		0.500	ug/L	10.0		97.0	80-120
Styrene	9.76		0.500	ug/L	10.0		97.6	80-120
Trichlorofluoromethane	9.50		0.500	ug/L	10.0		95.0	61-140
Trichloroethene	9.80		0.500	ug/L	10.0		98.0	80-120
trans-1,3-Dichloropropene	9.94		0.500	ug/L	10.0		99.4	69-130
trans-1,2 Dichloroethylene	9.74		0.500	ug/L	10.0		97.4	80-120
Toluene	9.64		0.500	ug/L	10.0		96.4	80-120

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Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEF0700 - VOC (Continued)										
LCS (BEF0700-BS1)					Prepared & Analyzed: 06/17/24 14:33					
Methyl isobutyl ketone (MIBK)	10.0		2.50	ug/L	10.0		100	70-136		
tert-Butylbenzene	9.78		0.500	ug/L	10.0		97.8	80-120		
methyl-t-butyl ether (MTBE)	9.78		0.500	ug/L	10.0		97.8	71-130		
sec-Butylbenzene	9.94		0.500	ug/L	10.0		99.4	80-120		
p-isopropyltoluene	9.79		0.500	ug/L	10.0		97.9	80-120		
o-Xylene (MCL for total)	9.89		0.500	ug/L	10.0		98.9	80-120		
n-Propylbenzene	9.88		0.500	ug/L	10.0		98.8	80-120		
n-Butylbenzene	9.59		0.500	ug/L	10.0		95.9	74-122		
Bromodichloromethane	9.50		0.500	ug/L	10.0		95.0	80-120		
Tetrachloroethylene	9.79		0.500	ug/L	10.0		97.9	80-120		
1,1-Dichloropropene	9.71		0.500	ug/L	10.0		97.1	80-120		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.66		0.500	ug/L	10.0		96.6	80-120		
EDB (screening)	9.86		0.500	ug/L	10.0		98.6	70-130		
DBCP (screening)	9.96		0.500	ug/L	10.0		99.6	71-128		
1,2,4-Trimethylbenzene	9.91		0.500	ug/L	10.0		99.1	80-120		
1,2,4-Trichlorobenzene	9.98		0.500	ug/L	10.0		99.8	80-120		
Carbon disulfide	9.51		0.500	ug/L	10.0		95.1	80-120		
1,2,3-Trichlorobenzene	10.2		0.500	ug/L	10.0		102	78-120		
1,2-Dichloropropane	9.71		0.500	ug/L	10.0		97.1	80-120		
1,1-Dichloroethylene	9.77		0.500	ug/L	10.0		97.7	70-129		
1,1-Dichloroethane	9.65		0.500	ug/L	10.0		96.5	80-120		
1,1,2-Trichloroethane	9.98		0.500	ug/L	10.0		99.8	80-120		
1,1,2,2-Tetrachloroethane	9.81		0.500	ug/L	10.0		98.1	77-123		
1,1,1-Trichloroethane	9.56		0.500	ug/L	10.0		95.6	80-120		
1,1,1,2-Tetrachloroethane	9.59		0.500	ug/L	10.0		95.9	80-120		
1,2,3-Trichloropropane	9.83		0.500	ug/L	10.0		98.3	80-120		
o-Chlorotoluene	9.73		0.500	ug/L	10.0		97.3	80-120		
Vinyl Chloride	9.73		0.500	ug/L	10.0		97.3	75-120		
Bromochloromethane	9.81		0.500	ug/L	10.0		98.1	80-120		
Bromobenzene	9.63		0.500	ug/L	10.0		96.3	80-120		
Benzene	9.68		0.500	ug/L	10.0		96.8	80-120		
Acrylonitrile	9.35		0.500	ug/L	10.0		93.5	73-131		
p-Chlorotoluene	9.65		0.500	ug/L	10.0		96.5	80-124		
2-hexanone	10.3		2.50	ug/L	10.0		103	65-140		
1,2-Dichloroethane	9.62		0.500	ug/L	10.0		96.2	80-120		
2,2-Dichloropropane	9.52		0.500	ug/L	10.0		95.2	80-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.56		0.500	ug/L	10.0		95.6	80-120		
1,3-Dichloropropane	9.82		0.500	ug/L	10.0		98.2	80-120		
m-Dichlorobenzene	9.62		0.500	ug/L	10.0		96.2	80-120		
1,3,5-Trimethylbenzene	9.84		0.500	ug/L	10.0		98.4	80-121		
Bromoform	9.56		0.500	ug/L	10.0		95.6	68-133		
Surrogate: Toluene-d8			20.0	ug/L	20.0		99.8	70-130		
Surrogate: 4-Bromofluorobenzene			20.2	ug/L	20.0		101	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			19.9	ug/L	20.0		99.5	70-130		



Subcontract Order

MEF0227



Due: 06/20/24

929

929

258

X4F0086**Sending Laboratory:**

SVL Analytical, Inc.
 One Government Gulch
 PO Box 929
 Kellogg, ID 83837-0929
 Phone: 208-784-1258
 Project Manager: Dave Tryon

Client:

Spokane County Environmental Services
 (Colbert)
Project Name:
 Routine

Project State of Origin:

Washington

Receiving Laboratory:

Anatek Labs (ID)
 1282 Alturas Drive
 Moscow, ID 83843
 Phone: 208-883-2839

Report and Invoice to SVL Analytical, Inc.

Analysis	Due	HT Expires		
SVL ID: X4F0086-01 Client ID: GWMW-016-240605			Water	Sampled: 05-Jun-24 10:40
Spokane County - VOC (8260C)	20-Jun-24	15-Jun-24 10:40	DEDICATED QC	
Sub VOC 8260 (Anatek)		19-Jun-24 10:40		
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
SVL ID: X4F0086-02 Client ID: GWMW-031-240605			Water	Sampled: 05-Jun-24 08:30
Spokane County - VOC (8260C)	20-Jun-24	15-Jun-24 08:30	DEDICATED QC	
Sub VOC 8260 (Anatek)		19-Jun-24 08:30		
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
SVL ID: X4F0086-03 Client ID: MWS-2-1-240605			Water	Sampled: 05-Jun-24 00:00
Spokane County - VOC (8260C)	20-Jun-24	15-Jun-24 00:00	DEDICATED QC	
Sub VOC 8260 (Anatek)		19-Jun-24 00:00		
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				

Shipped directly to Anatek

Relinquished by: [Signature] Date/Time: 6/6/24 Received by: SM 1030 Date/Time: 6/6/24
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2024**

LABORATORY:
ANATEK LAB-MOSCOW
1282 ALTURAS DR
MOSCOW, IDAHO 83843
(208) 883-2839
ATTENTION: Sample Receiving

CLIENT:
SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY RD.
COLBERT, WASHINGTON 99005
(509) 238-6607 FAX (509) 238-6812
MICA (509) 924-5223

SHIPPING CO: UPS Ground
SHIPPING # K2746635958
OF COOLERS: 1

DATE: 06/05/24
PAGE 1 OF 1

PARAMETERS:			VOLATILES	SEMI VOLATILES	SAMPLERS: <u>Craig Campbell</u>		
				BEHP			
			8260C	8270D			
			3-40 ml. VOA'S	1 LITER AMBER GLASS			
			ANATEK LAB	ANATEK LAB			
PRESERVATION:			HCl pH<2	UNPRESERVED	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME					
<u>GW MW-016-240605</u>	<u>06/05/24</u>	<u>1040</u>	<u>3</u>		<u>3</u>	<u>526</u>	
<u>GW MW-031-240605</u>	<u>06/05/24</u>	<u>0830</u>	<u>3</u>		<u>3</u>	<u>526</u>	
<u>MWS-2-1-240605</u>	<u>06/05/24</u>	<u>-</u>	<u>-</u>		<u>2</u>	<u>526</u>	<u>Trip Blanks</u>

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP; astewart@spokanecounty.org & mtorris@spokanecounty.org

RELINQUISHED BY:

SIGNATURE:

PRINT NAME:

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE:

TIME:

RECEIVED BY:

SIGNATURE:

PRINT NAME:

COMPANY:

DATE:

TIME:



Anatek Labs, Inc.

Sample Receipt and Preservation Form

Client Name: Spokane CountyTAT: Normal RUSH: _____ daysSamples Received From: FedEx UPS USPS Client Courier Other: _____Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/ANumber of Coolers/Boxes: 1 Type of Ice: Wet Ice Ice Packs Dry Ice NonePacking Material: Bubble Wrap Bags Foam/Peanuts Paper None Other: -Cooler Temp As Read (°C): 3.9 Cooler Temp Corrected (°C): - Thermometer Used: IR-4 IR-5

Samples Received Intact?	<u>Yes</u>	No	N/A
Chain of Custody Present/Complete?	<u>Yes</u>	No	N/A
Labels and Chains Agree?	<u>Yes</u>	No	N/A
Samples Received Within Hold Time?	<u>Yes</u>	No	N/A
Correct Containers Received?	<u>Yes</u>	No	N/A
Anatek Bottles Used?	<u>Yes</u>	No	Unknown
Total Number of Sample Bottles Received:	<u>8</u>		

Comments:

Samples Properly Preserved?	<u>Yes</u>	No	N/A
<i>If No, record preservation and pH-after details</i>			
VOC Vials Free of Headspace (<6mm)?	<u>Yes</u>	No	N/A
VOC Trip Blanks Present?	<u>Yes</u>	No	N/A

Initial pH:

pH Paper ID:

<2 or

Record preservatives (and lot numbers, if known) for containers below:

G44 H4(2309) VOC x 6 + 2TB

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

Received/Inspected By: SPM
Form F19.01 - Eff 1 Dec 2022Date/Time: 6/6/24 1030

Page 1 of 1

Page 14 of 14

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X4I0195**
Reported: 27-Sep-24 16:20**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWDW-001-240910	X4I0195-01	Ground Water	10-Sep-24 08:26	MT	12-Sep-2024	
GWDW-002-240910	X4I0195-02	Ground Water	10-Sep-24 09:26	MT	12-Sep-2024	
GWDW-003-240910	X4I0195-03	Ground Water	10-Sep-24 11:31	MT	12-Sep-2024	
GWMS-004-240910	X4I0195-04	Ground Water	10-Sep-24 12:30	MT	12-Sep-2024	
GWMW-009-240910	X4I0195-05	Ground Water	10-Sep-24 11:31	MT	12-Sep-2024	
GWMW-010-240910	X4I0195-06	Ground Water	10-Sep-24 10:43	MT	12-Sep-2024	
GWMW-013-240910	X4I0195-07	Ground Water	10-Sep-24 11:30	MT	12-Sep-2024	
GWMW-014-240910	X4I0195-08	Ground Water	10-Sep-24 10:00	MT	12-Sep-2024	
GWMW-019R-240910	X4I0195-09	Ground Water	10-Sep-24 14:21	MT	12-Sep-2024	
GWMW-020-240910	X4I0195-10	Ground Water	10-Sep-24 13:30	MT	12-Sep-2024	
MWS-1-1-240910	X4I0195-11	Ground Water	10-Sep-24 13:00	MT	12-Sep-2024	
GWMW-029-240910	X4I0195-12	Ground Water	10-Sep-24 13:43	MT	12-Sep-2024	

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**
Reported: 27-Sep-24 16:20Client Sample ID: **GWDW-001-240910**

Sampled: 10-Sep-24 08:26

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-01 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:19	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0072	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 15:50	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 15:50	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 15:50	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 15:50	
EPA 6010D	Zinc	0.0321	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 15:50	
EPA 6020B	Arsenic	0.00214	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 21:39	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X439085	DD	09/25/24 13:14	
SM 2320 B	Total Alkalinity	145	mg/L as CaCO ₃	1.0			X438013	MWD	09/16/24 17:53	
SM 2320 B	Bicarbonate	145	mg/L as CaCO ₃	1.0			X438013	MWD	09/16/24 17:53	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X438013	MWD	09/16/24 17:53	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X438020	JPM	09/17/24 18:34	
Anions by Ion Chromatography										
EPA 300.0	Chloride	5.35	mg/L	0.20	0.02		X437171	RS	09/12/24 14:45	
EPA 300.0	Nitrate as N	0.068	mg/L	0.050	0.013		X437171	RS	09/12/24 14:45	H3
EPA 300.0	Sulfate as SO₄	11.5	mg/L	0.30	0.18		X437171	RS	09/12/24 14:45	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**
Reported: 27-Sep-24 16:20Client Sample ID: **GWDW-002-240910**

Sampled: 10-Sep-24 09:26

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-02 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:21	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0370	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 15:53	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 15:53	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 15:53	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 15:53	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 15:53	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 21:40	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438052	DD	09/19/24 13:26	B10
SM 2320 B	Total Alkalinity	158	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 17:58	
SM 2320 B	Bicarbonate	158	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 17:58	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 17:58	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X438020	JPM	09/17/24 18:53	
Anions by Ion Chromatography										
EPA 300.0	Chloride	8.78	mg/L	0.20	0.02		X437171	RS	09/12/24 15:17	
EPA 300.0	Nitrate as N	0.903	mg/L	0.050	0.013		X437171	RS	09/12/24 15:17	H3
EPA 300.0	Sulfate as SO4	4.82	mg/L	0.30	0.18		X437171	RS	09/12/24 15:17	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**
Reported: 27-Sep-24 16:20Client Sample ID: **GWDW-003-240910**

Sampled: 10-Sep-24 11:31

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-03 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:23	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0263	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 15:57	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 15:57	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 15:57	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 15:57	
EPA 6010D	Zinc	0.0400	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 15:57	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 21:42	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438052	DD	09/19/24 13:29	B10
SM 2320 B	Total Alkalinity	179	mg/L as CaCO ₃	1.0			X438013	MWD	09/16/24 18:03	
SM 2320 B	Bicarbonate	179	mg/L as CaCO ₃	1.0			X438013	MWD	09/16/24 18:03	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X438013	MWD	09/16/24 18:03	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X438020	JPM	09/17/24 19:51	
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.81	mg/L	0.20	0.02		X437171	RS	09/12/24 11:29	
EPA 300.0	Nitrate as N	1.72	mg/L	0.050	0.013		X437171	RS	09/12/24 11:29	
EPA 300.0	Sulfate as SO₄	1.73	mg/L	0.30	0.18		X437171	RS	09/12/24 11:29	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**

Reported: 27-Sep-24 16:20

Client Sample ID: **GWMS-004-240910**

Sampled: 10-Sep-24 12:30

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-04 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:26	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0811	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 16:01	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 16:01	
EPA 6010D	Manganese	0.0109	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 16:01	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 16:01	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 16:01	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 21:43	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438052	DD	09/19/24 13:31	B10
SM 2320 B	Total Alkalinity	179	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:09	
SM 2320 B	Bicarbonate	179	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:09	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:09	
SM 2540 C	Total Diss. Solids	279	mg/L	10			X437245	TJL	09/17/24 12:55	
SM 5310B	Total Organic Carbon	1.37	mg/L	1.00	0.38		X438020	JPM	09/17/24 20:10	
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.63	mg/L	0.20	0.02		X437171	RS	09/12/24 11:57	
EPA 300.0	Nitrate as N	9.66	mg/L	0.500	0.130	10	X437171	RS	09/12/24 12:23	
EPA 300.0	Sulfate as SO4	10.4	mg/L	0.30	0.18		X437171	RS	09/12/24 11:57	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**

Reported: 27-Sep-24 16:20

Client Sample ID: **GWMW-009-240910**

Sampled: 10-Sep-24 11:31

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-05 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:28	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.125	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 16:04	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 16:04	
EPA 6010D	Manganese	0.415	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 16:04	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 16:04	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 16:04	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 21:45	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438052	DD	09/19/24 13:33	B10
SM 2320 B	Total Alkalinity	232	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:14	
SM 2320 B	Bicarbonate	232	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:14	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:14	
SM 2540 C	Total Diss. Solids	267	mg/L	10			X437245	TJL	09/17/24 12:55	
SM 5310B	Total Organic Carbon	1.95	mg/L	1.00	0.38		X438020	JPM	09/17/24 20:29	
Anions by Ion Chromatography										
EPA 300.0	Chloride	15.2	mg/L	2.00	0.22	10	X437171	RS	09/12/24 12:59	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X437171	RS	09/12/24 11:29	
EPA 300.0	Sulfate as SO4	3.10	mg/L	0.30	0.18		X437171	RS	09/12/24 11:29	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**

Reported: 27-Sep-24 16:20

Client Sample ID: **GWMW-010-240910**

Sampled: 10-Sep-24 10:43

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-06 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:30	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0443	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 16:08	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 16:08	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 16:08	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 16:08	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 16:08	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 21:46	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438052	DD	09/19/24 13:44	B10
SM 2320 B	Total Alkalinity	96.7	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:20	
SM 2320 B	Bicarbonate	96.7	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:20	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:20	
SM 2540 C	Total Diss. Solids	109	mg/L	10			X437245	TJL	09/17/24 12:55	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X438020	JPM	09/17/24 20:49	
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.50	mg/L	0.20	0.02		X437171	RS	09/12/24 15:01	
EPA 300.0	Nitrate as N	0.228	mg/L	0.050	0.013		X437171	RS	09/12/24 15:01	H3
EPA 300.0	Sulfate as SO4	1.02	mg/L	0.30	0.18		X437171	RS	09/12/24 15:01	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**
Reported: 27-Sep-24 16:20Client Sample ID: **GWMW-013-240910**

Sampled: 10-Sep-24 11:30

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-07 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:32	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0425	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 16:33	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 16:33	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 16:33	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 16:33	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 16:33	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 21:48	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438052	DD	09/19/24 13:46	B10
SM 2320 B	Total Alkalinity	184	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:25	
SM 2320 B	Bicarbonate	184	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:25	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:25	
SM 2540 C	Total Diss. Solids	222	mg/L	10			X437245	TJL	09/17/24 12:55	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X438020	JPM	09/17/24 21:08	
Anions by Ion Chromatography										
EPA 300.0	Chloride	7.79	mg/L	0.20	0.02		X437171	RS	09/12/24 11:56	
EPA 300.0	Nitrate as N	0.479	mg/L	0.050	0.013		X437171	RS	09/12/24 11:56	H3
EPA 300.0	Sulfate as SO4	2.97	mg/L	0.30	0.18		X437171	RS	09/12/24 11:56	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**
Reported: 27-Sep-24 16:20Client Sample ID: **GWMW-014-240910**

Sampled: 10-Sep-24 10:00

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-08 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:34	
Metals (Total Recoverable)										
EPA 6010D	Barium	< 0.0040	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 16:37	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 16:37	
EPA 6010D	Manganese	0.173	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 16:37	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 16:37	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 16:37	
EPA 6020B	Arsenic	0.00165	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 21:49	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438052	DD	09/19/24 13:48	B10
SM 2320 B	Total Alkalinity	81.2	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:31	
SM 2320 B	Bicarbonate	81.2	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:31	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:31	
SM 2540 C	Total Diss. Solids	121	mg/L	10			X437245	TJL	09/17/24 12:55	R2B
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X438020	JPM	09/17/24 21:28	
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.81	mg/L	0.20	0.02		X437171	RS	09/12/24 13:10	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X437171	RS	09/12/24 13:10	H3
EPA 300.0	Sulfate as SO4	9.56	mg/L	0.30	0.18		X437171	RS	09/12/24 13:10	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**
Reported: 27-Sep-24 16:20Client Sample ID: **GMMW-019R-240910**

Sampled: 10-Sep-24 14:21

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-09 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:41	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0288	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 16:40	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 16:40	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 16:40	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 16:40	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 16:40	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 21:58	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438052	DD	09/19/24 13:50	B10
SM 2320 B	Total Alkalinity	101	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:36	
SM 2320 B	Bicarbonate	101	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:36	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:36	
SM 2540 C	Total Diss. Solids	156	mg/L	10			X437245	TJL	09/17/24 12:55	
SM 5310B	Total Organic Carbon	1.21	mg/L	1.00	0.38		X438020	JPM	09/17/24 22:26	
Anions by Ion Chromatography										
EPA 300.0	Chloride	5.13	mg/L	0.20	0.02		X437171	RS	09/12/24 12:54	
EPA 300.0	Nitrate as N	1.20	mg/L	0.050	0.013		X437171	RS	09/12/24 12:54	
EPA 300.0	Sulfate as SO4	4.77	mg/L	0.30	0.18		X437171	RS	09/12/24 12:54	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**

Reported: 27-Sep-24 16:20

Client Sample ID: **GWMW-020-240910**

Sampled: 10-Sep-24 13:30

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-10 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:43	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.237	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 17:20	
EPA 6010D	Lead	0.0194	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 17:20	
EPA 6010D	Manganese	0.0934	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 17:20	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 17:20	
EPA 6010D	Zinc	0.0357	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 17:20	
EPA 6020B	Arsenic	0.00448	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 21:59	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438052	DD	09/19/24 13:52	B10
SM 2320 B	Total Alkalinity	220	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:41	
SM 2320 B	Bicarbonate	220	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:41	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:41	
SM 2540 C	Total Diss. Solids	308	mg/L	10			X437245	TJL	09/17/24 12:55	
SM 5310B	Total Organic Carbon	1.15	mg/L	1.00	0.38		X438020	JPM	09/17/24 22:46	
Anions by Ion Chromatography										
EPA 300.0	Chloride	6.64	mg/L	0.20	0.02		X437171	RS	09/12/24 12:26	
EPA 300.0	Nitrate as N	1.84	mg/L	0.050	0.013		X437171	RS	09/12/24 12:26	
EPA 300.0	Sulfate as SO4	4.68	mg/L	0.30	0.18		X437171	RS	09/12/24 12:26	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**

Reported: 27-Sep-24 16:20

Client Sample ID: **MWS-1-1-240910**

Sampled: 10-Sep-24 13:00

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-11 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:45	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.239	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 17:24	
EPA 6010D	Lead	0.0174	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 17:24	
EPA 6010D	Manganese	0.0959	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 17:24	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 17:24	
EPA 6010D	Zinc	0.0369	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 17:24	
EPA 6020B	Arsenic	0.00440	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 22:01	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X439085	DD	09/25/24 13:16	
SM 2320 B	Total Alkalinity	220	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:56	
SM 2320 B	Bicarbonate	220	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:56	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 18:56	
SM 2540 C	Total Diss. Solids	299	mg/L	10			X437245	TJL	09/17/24 12:55	
SM 5310B	Total Organic Carbon	1.05	mg/L	1.00	0.38		X438020	JPM	09/18/24 09:04	
Anions by Ion Chromatography										
EPA 300.0	Chloride	6.39	mg/L	0.20	0.02		X437171	RS	09/12/24 12:38	
EPA 300.0	Nitrate as N	1.73	mg/L	0.050	0.013		X437171	RS	09/12/24 12:38	
EPA 300.0	Sulfate as SO4	4.75	mg/L	0.30	0.18		X437171	RS	09/12/24 12:38	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**

Reported: 27-Sep-24 16:20

Client Sample ID: **GWMW-029-240910**

Sampled: 10-Sep-24 13:43

Received: 12-Sep-24

Sampled By: MT

SVL Sample ID: **X410195-12 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X437209	MAC	09/20/24 17:47	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0930	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 16:51	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 16:51	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 16:51	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 16:51	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 16:51	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 22:02	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X439085	DD	09/25/24 13:18	
SM 2320 B	Total Alkalinity	111	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 19:02	
SM 2320 B	Bicarbonate	111	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 19:02	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438013	MWD	09/16/24 19:02	
SM 2540 C	Total Diss. Solids	380	mg/L	10			X437245	TJL	09/17/24 12:55	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X438020	JPM	09/18/24 09:24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	135	mg/L	5.00	0.55	25	X437171	RS	09/12/24 13:29	
EPA 300.0	Nitrate as N	0.959	mg/L	0.050	0.013		X437171	RS	09/12/24 12:42	
EPA 300.0	Sulfate as SO4	7.51	mg/L	0.30	0.18		X437171	RS	09/12/24 12:42	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410195**
Reported: 27-Sep-24 16:20**Quality Control - BLANK Data**

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total)								
EPA 7470A	Mercury	mg/L	<0.000200	0.000093	0.000200	X437209	20-Sep-24	
Metals (Total Recoverable)								
EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X438081	24-Sep-24	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X438081	24-Sep-24	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X438081	24-Sep-24	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X438081	24-Sep-24	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X438081	24-Sep-24	
EPA 6020B	Arsenic	mg/L	<0.00100	0.00021	0.00100	X438087	26-Sep-24	
Classical Chemistry Parameters								
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X438052	19-Sep-24	B10
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X439085	25-Sep-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X438013	16-Sep-24	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X438013	16-Sep-24	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X438013	16-Sep-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X437245	17-Sep-24	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X438020	17-Sep-24	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X438020	17-Sep-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X437171	12-Sep-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X437171	12-Sep-24	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X437171	12-Sep-24	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)									
EPA 7470A	Mercury	mg/L	0.00204	0.00200	102	80 - 120	X437209	20-Sep-24	
Metals (Total Recoverable)									
EPA 6010D	Barium	mg/L	0.959	1.00	95.9	80 - 120	X438081	24-Sep-24	
EPA 6010D	Lead	mg/L	0.948	1.00	94.8	80 - 120	X438081	24-Sep-24	
EPA 6010D	Manganese	mg/L	0.946	1.00	94.6	80 - 120	X438081	24-Sep-24	
EPA 6010D	Vanadium	mg/L	0.981	1.00	98.1	80 - 120	X438081	24-Sep-24	
EPA 6010D	Zinc	mg/L	0.963	1.00	96.3	80 - 120	X438081	24-Sep-24	
EPA 6020B	Arsenic	mg/L	0.0233	0.0250	93.0	80 - 120	X438087	26-Sep-24	
Classical Chemistry Parameters									
EPA 350.1	Ammonia as N	mg/L	0.965	1.00	96.5	90 - 110	X438052	19-Sep-24	B10
EPA 350.1	Ammonia as N	mg/L	0.988	1.00	98.8	90 - 110	X439085	25-Sep-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.9	9.93	99.7	96.4 - 105	X438013	16-Sep-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	99.9	99.3	101	96.4 - 105	X438013	16-Sep-24	
SM 5310B	Total Organic Carbon	mg/L	34.2	34.3	99.6	90 - 110	X438020	17-Sep-24	
SM 5310B	Total Organic Carbon	mg/L	34.3	34.3	100	90 - 110	X438020	17-Sep-24	

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X4I0195**

Reported: 27-Sep-24 16:20

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	80.1	81.2	1.4	20	X438013 - X4I0195-08	16-Sep-24	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	80.1	81.2	1.4	20	X438013 - X4I0195-08	16-Sep-24	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X438013 - X4I0195-08	16-Sep-24	
SM 2540 C	Total Diss. Solids	mg/L	109	121	10.4	10	X437245 - X4I0195-08	17-Sep-24	R2B
SM 2540 C	Total Diss. Solids	mg/L	257	260	1.2	10	X437245 - X4I0182-02	17-Sep-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	mg/L	0.00207	<0.000200	0.00200	104	80 - 120	X437209 - X4I0195-08	20-Sep-24	
EPA 7470A	Mercury	mg/L	0.00214	<0.000200	0.00200	107	80 - 120	X437209 - X4I0121-02	20-Sep-24	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	0.959	<0.0040	1.00	95.9	75 - 125	X438081 - X4I0195-08	24-Sep-24	
EPA 6010D	Lead	mg/L	0.931	<0.0150	1.00	93.1	75 - 125	X438081 - X4I0195-08	24-Sep-24	
EPA 6010D	Manganese	mg/L	1.10	0.173	1.00	92.8	75 - 125	X438081 - X4I0195-08	24-Sep-24	
EPA 6010D	Vanadium	mg/L	0.971	<0.0050	1.00	97.1	75 - 125	X438081 - X4I0195-08	24-Sep-24	
EPA 6010D	Zinc	mg/L	0.947	<0.0100	1.00	94.7	75 - 125	X438081 - X4I0195-08	24-Sep-24	
EPA 6020B	Arsenic	mg/L	0.0246	0.00165	0.0250	91.9	75 - 125	X438087 - X4I0195-08	26-Sep-24	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.08	<0.030	1.00	106	90 - 110	X438052 - X4I0195-08	19-Sep-24	B10
EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	106	90 - 110	X439085 - X4I0202-03	25-Sep-24	
EPA 350.1	Ammonia as N	mg/L	1.04	<0.030	1.00	104	90 - 110	X439085 - X4I0202-04	25-Sep-24	
SM 5310B	Total Organic Carbon	mg/L	9.99	<1.00	10.0	95.8	80 - 120	X438020 - X4I0195-08	17-Sep-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.70	0.81	3.00	96.4	90 - 110	X437171 - X4I0195-08	12-Sep-24	
EPA 300.0	Chloride	mg/L	3.78	0.81	3.00	99.0	90 - 110	X437171 - X4I0195-03	12-Sep-24	
EPA 300.0	Nitrate as N	mg/L	1.86	<0.050	2.00	93.0	90 - 110	X437171 - X4I0195-08	12-Sep-24	
EPA 300.0	Nitrate as N	mg/L	3.71	1.72	2.00	99.4	90 - 110	X437171 - X4I0195-03	12-Sep-24	
EPA 300.0	Sulfate as SO ₄	mg/L	19.2	9.56	10.0	96.6	90 - 110	X437171 - X4I0195-08	12-Sep-24	
EPA 300.0	Sulfate as SO ₄	mg/L	12.1	1.73	10.0	103	90 - 110	X437171 - X4I0195-03	12-Sep-24	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Total)										
EPA 7470A	Mercury	mg/L	0.00210	0.00207	0.00200	1.6	20	105	X437209 - X4I0195-08	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	0.964	0.959	1.00	0.6	20	96.4	X438081 - X4I0195-08	
EPA 6010D	Lead	mg/L	0.938	0.931	1.00	0.8	20	93.8	X438081 - X4I0195-08	
EPA 6010D	Manganese	mg/L	1.10	1.10	1.00	0.2	20	93.0	X438081 - X4I0195-08	
EPA 6010D	Vanadium	mg/L	0.974	0.971	1.00	0.3	20	97.4	X438081 - X4I0195-08	
EPA 6010D	Zinc	mg/L	0.956	0.947	1.00	1.0	20	95.6	X438081 - X4I0195-08	
EPA 6020B	Arsenic	mg/L	0.0248	0.0246	0.0250	0.5	20	92.4	X438087 - X4I0195-08	



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

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Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X4I0195**
Reported: 27-Sep-24 16:20

Quality Control - MATRIX SPIKE DUPLICATE Data				(Continued)						
Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.09	1.08	1.00	0.6	20	107	X438052 - X4I0195-08	B10
EPA 350.1	Ammonia as N	mg/L	1.07	1.07	1.00	0.3	20	106	X439085 - X4I0202-03	
SM 5310B	Total Organic Carbon	mg/L	10.1	9.99	10.0	1.6	20	97.4	X438020 - X4I0195-08	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.79	3.70	3.00	2.4	20	99.4	X437171 - X4I0195-08
EPA 300.0	Nitrate as N	mg/L	1.92	1.86	2.00	3.2	20	96.0	X437171 - X4I0195-08
EPA 300.0	Sulfate as SO4	mg/L	19.7	19.2	10.0	2.5	20	102	X437171 - X4I0195-08



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Kellogg, ID 83837-0929

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Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X410195**

Reported: 27-Sep-24 16:20

Notes and Definitions

B10	Target analyte detected in method blank above laboratory acceptance limit but below reporting limit.
H3	Sample was received and/or analysis requested past holding time.
R2B	RPD exceeded the laboratory acceptance limit.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLING
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2024**

Work Order: **X410195**
Spokane County Environmental Services (I



LABORATORY:
SVL ANALYTICAL
ONE GOVERNMENT GULCH
KELLOGG, ID 83837-0929
(208) 784-1258 FAX (208) 783-0891
ATTENTION: Sample Receiving

CLIENT:
SPOKANE COUNTY ENVIRONMENTAL SERVICES
22515 N. ELK CHATTAROY RD.
COLBERT, WASHINGTON 99005
(509) 238-6607 FAX (509) 238-6812
MICA (509)924-5223

SHIPPING CO: **UPS**
SHIPPING #: **523015249**
NUMBER OF COOLERS: **2**

DATE: **9-10-2024**
PAGE **1** OF **2**

			MONITORING		RESIDENTIAL				SAMPLERS:	
PARAMETERS:			TOC	AMMONIA	Cl / SO4 / TDS NO3 / ALKALINITY	Cl / SO4 / NO3 ALKALINITY	METALS (As / Ba / Pb / Hg Mn / V / Zn)		Mike Terris	
METHOD:			415.1	350.1	300.0/300.0/160.1 300.0 / 2320 B	300.0/300.0/ 300.0 2320B	7060A / 6010B / 7470A		Gordie Fissette	
BOTTLES:			1-40 ml. VOC	1-500 ml POLY BOTTLE	1-500 ml POLY BOTTLE	1-500 ml. POLY BOTTLE	1-500 ml. POLY BOTLE		Craig Campbell	
LAB:			SVL	SVL	SVL	SVL	SVL			
PRESERVATION:			HCL pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph < 2 (NOT FILTERED)		COOLER NUMBER	NUMBER BOTTLES
SAMPLE IDENTIFICATION	DATE	TIME								COMMENTS
GWDN-001-240910	9-10	0826	X	X		X	X	141	4	
GWDN-002-240910	9-10	0926	X	X		X	X	141	4	
GWDN-003-240910	9-10	1131	X	X		X	X	141	4	
GWMS-004-240910	9-10	1230	X	X	X		X	1500	4	
GW MW-009-240910	9-10	1131	X	X	X		X	141	4	
GW MW-010-240910	9-10	1043	X	X	X		X	141	4	
GW MW-013-240910	9-10	1130	X	X	X		X	1500	4	
GW MW-014-240910	9-10	1000	X	X	X		X	1500	12	MS/MSD
GW MW-019R-240910	9-10	1421	X	X	X		X	141	4	
GW MW-020-240910	9-10	1330	X	X	X		X	1500	4	
MWS-1-1-240910	9-10	1300	X	X	X		X	1500	4	

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP astewart@spokanecounty.org and mtorris@spokanecounty.org ALL TOC ARE IN #141

RELINQUISHED BY

SIGNATURE:
PRINT NAME: **MIKE S. TERRIS**

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: **9-10-24**
TIME: **1600**

RECEIVED BY

SIGNATURE:
PRINT NAME: **Melissa DiGiovanni**
COMPANY: **SVL**

DATE: **9/12/24**
TIME: **900**

SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAM
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2024

Work Order: **X410195**
Spokane County Environmental Services (I



LABORATORY:
SVL ANALYTICAL
ONE GOVERNMENT GULCH
KELLOGG, ID 83837-0929
(208) 784-1258 FAX (208) 783-0891
ATTENTION: Sample Receiving

CLIENT:
SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY RD.
COLBERT, WASHINGTON 99005
(509) 238-6607 FAX (509) 238-6812
MICA (509)924-5223

SHIPPING CO: **UPS**
SHIPPING #: **5230/5249**
NUMBER OF COOLERS: **2**

DATE: **9-10-2024**
PAGE **2** OF **2**

PARAMETERS:		MONITORING					RESIDENTIAL		SAMPLERS:		
		TOC	AMMONIA	Cl / SO4 / TDS NO3 / ALKALINITY	Cl / SO4 / NO3 ALKALINITY	METALS (As / Ba / Pb / Hg Mn / V / Zn)					
METHOD:		415.1	350.1	300.0/300.0/160.1 300.0 / 2320 B	300.0/300.0/ 300.0 2320B	7060A / 6010B / 7470A	Mike Terris Gordie Fissette Craig Campbell				
BOTTLES:		1-40 ml.	1-500 ml	1-500 ml	1-500 ml.	1-500 ml.					
LAB:		VOC	POLY BOTTLE	POLY BOTTLE	POLY BOTTLE	POLY BOTLE					
PRESERVATION:		SVL	SVL	SVL	SVL	SVL					
		HCL pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph< 2 (NOT FILTERED)	COOLER NUMBER	NUMBER BOTTLES	COMMENTS		
SAMPLE IDENTIFICATION		DATE	TIME								
GN MW-029-240910		9-10	1343	X	X	X		X	141	4	

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP astewart@spokanecounty.org and mtorris@spokanecounty.org

ALL TOC ARE IN #141

RELINQUISHED BY

SIGNATURE:

PRINT NAME: **MIKE S. TERRIS**

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: **9-10-24**

TIME: **1600**

RECEIVED BY

SIGNATURE:

PRINT NAME: **Melissa DiGiovanni**

COMPANY: **SVL**

DATE: **9/12/24**

TIME: **900**

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMP
MICA LANDFILL COMPLIANCE MONITORING PROGRAM**

2024

Work Order: **X410195**

Spokane County Environmental Services (I



LABORATORY:
SVL ANALYTICAL
ONE GOVERNMENT GULCH
KELLOGG, ID 83837-0929
(208) 784-1258 FAX (208) 783-0891
ATTENTION: Sample Receiving

CLIENT:
SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY RD.
COLBERT, WASHINGTON 99005
(509) 238-6607 FAX (509) 238-6812
MICA (509)924-5223

SHIPPING CO: **UPS**
SHIPPING #: **5230/5249**
NUMBER OF COOLERS: **2**

DATE: **9-10-2024**
PAGE **1** OF **2**

PARAMETERS:	METHOD:	BOTTLES:	LAB: PRESERVATION:	2024	MONITORING			RESIDENTIAL		SAMPLERS:			
					TOC	AMMONIA	Cl / SO4 / TDS NO3 / ALKALINITY	Cl / SO4 / NO3 ALKALINITY	METALS (As / Ba / Pb / Hg Mn / V / Zn)	Mike Terris			
					415.1	350.1	300.0/300.0/160.1 300.0 / 2320 B	300.0/300.0/ 300.0 2320B	7060A / 6010B / 7470A	Gordie Fisette			
					1-40 ml.	1-500 ml	1-500 ml	1-500 ml.	1-500 ml.	Craig Campbell			
					VOC	POLY BOTTLE	POLY BOTTLE	POLY BOTTLE	POLY BOTLE				
					SVL	SVL	SVL	SVL	SVL				
					HCL pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph< 2 (NOT FILTERED)	COOLER NUMBER	NUMBER BOTTLES	COMMENTS	
SAMPLE IDENTIFICATION				DATE	TIME								
GWDW-001-240910				9-10	0826	X	X		X	X	141	4	
GWDW-002-240910				9-10	0926	X	X		X	X	141	4	
GWDW-003-240910				9-10	1131	X	X		X	X	141	4	
GWMN-004-240910				9-10	1230	X	X	X	X	X	1500	4	
GWMW-009-240910				9-10	1131	X	X	X	X	X	141	4	
GWMW-010-240910				9-10	1043	X	X	X	X	X	141	4	
GWMW-013-240910				9-10	1130	X	X	X	X	X	1500	4	
GWMW-014-240910				9-10	1000	X	X	X	X	X	1500	12	MS/MSD
GWMW-019R-240910				9-10	1421	X	X	X	X	X	141	4	
GWMW-020-240910				9-10	1330	X	X	X	X	X	1500	4	
MWS-1-1-240910				9-10	1300	X	X	X		X	1500	4	

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP astewart@spokanecounty.org and mterris@spokanecounty.org

ALL TOC ARE IN #141

RELINQUISHED BY

SIGNATURE

PRINT NAME:

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE:

TIME:

RECEIVED BY

SIGNATURE:

PRINT NAME:

COMPANY:

DATE:

TIME:

Work Order: **X410195**
Spokane County Environmental Services (C



CLIENT:
SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROW RD.
COLBERT, WASHINGTON 99005
(509) 238-6607 FAX (509) 238-6812
MICA (509)924-5223

SHIPPING CO: UPS
SHIPPING #: 523015249
NUMBER OF COOLERS: 2

DATE: 9-10-2024
PAGE 2 OF 2

[illegible]

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP astewart@spokanecounty.org and mtorris@spokanecounty.org

ALL TOC ARE IN #14

RELINQUISHED BY

SIGNATURE

PRINT NAME:

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE:

TIME:

RECEIVED BY

SIGNATURE:

PRINT NAME

COMPANY:

DATE _____

TIME

SAMPLE RECEIPT/CHAIN-OF-CUSTODY CHECKLIST

The following items were checked for completeness, correctness, and compliance to project specifications using the Chain-of-Custody (COC) and other supporting information.

Date of acceptance: 9/12/24 By: Mehsada

SVL Work No: X4T0195

Item	Description	V	NA	Comments
1	Client or project name	✓		Spokane County Env. SVS
2	Date and time of receipt at lab	✓		9/12/24 900
3	Received by	✓		mmd
4	Temperature blank or cooler temperature	✓		Temp 2.3 °C T098/T126
5	Were the sample(s) received on ice	✓		
6	Custody tape/bottle seals	✓		
7	Shipper's air bill	✓		UPS K3090465249 cooler 1
8	Condition of samples upon receipt (leaking; bubbles in VOA vials)	✓		
9	Analysis requested for each sample	✓		
10	Sample matrix description	✓		
11	The correct preservative for the analysis requested	✓		
12	Did an SVL employee preserve sample(s) upon receipt		✓	
13	Additional Information		✓	

V- Verified NA- Not Applicable

Comments: UPS: K3090465230 cooler 2 = 3.1 °C

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X4I0241**
Reported: 04-Oct-24 16:26**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWMS-005-240911	X4I0241-01	Ground Water	11-Sep-24 08:28	MT	16-Sep-2024	Q6
GWMW-016-240911	X4I0241-02	Ground Water	11-Sep-24 10:53	MT	16-Sep-2024	Q5,Q6
GWMW-023-240911	X4I0241-03	Ground Water	11-Sep-24 10:31	MT	16-Sep-2024	Q6
MWS-1-2-240911	X4I0241-04	Ground Water	11-Sep-24 09:59	MT	16-Sep-2024	Q6

Sample preparation is defined by the client as per their Data Quality Objectives.

This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.

Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.

The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

(Q6) SVL received the following containers outside of published EPA guidelines for preservation temperatures (0-6°C).

The guidelines do not pertain to nitric-preserved metals.

Default Cooler (Received Temperature: 13.0°C)

<u>Labnumber</u>	<u>Container</u>	<u>Client ID</u>	<u>Labnumber</u>	<u>Container</u>	<u>Client ID</u>
X4I0241-01 A	Raw HDPE	GWMS-005-240911	X4I0241-01 B	Sulfuric HDPE	GWMS-005-240911
X4I0241-01 C	Nitric HDPE	GWMS-005-240911	X4I0241-01 D	Amber VOA HCl	GWMS-005-240911
X4I0241-02 A	Raw HDPE	GWMW-016-240911	X4I0241-02 B	Sulfuric HDPE	GWMW-016-240911
X4I0241-02 C	Nitric HDPE	GWMW-016-240911	X4I0241-02 D	Amber VOA HCl	GWMW-016-240911
X4I0241-03 A	Raw HDPE	GWMW-023-240911	X4I0241-03 B	Sulfuric HDPE	GWMW-023-240911
X4I0241-03 C	Nitric HDPE	GWMW-023-240911	X4I0241-03 D	Amber VOA HCl	GWMW-023-240911
X4I0241-04 A	Raw HDPE	MWS-1-2-240911	X4I0241-04 B	Sulfuric HDPE	MWS-1-2-240911
X4I0241-04 C	Nitric HDPE	MWS-1-2-240911	X4I0241-04 D	Amber VOA HCl	MWS-1-2-240911

Case Narrative: X4I0241

SVL is not certified for Mercury 7470A in Washington.



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410241**
Reported: 04-Oct-24 16:26Client Sample ID: **GWMS-005-240911**

Sampled: 11-Sep-24 08:28

Received: 16-Sep-24

Sampled By: MT

SVL Sample ID: **X410241-01 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X438214	MAC	09/23/24 17:25	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0378	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 16:55	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 16:55	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 16:55	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 16:55	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 16:55	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 22:04	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438053	DD	09/25/24 11:34	
SM 2320 B	Total Alkalinity	94.6	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 17:11	
SM 2320 B	Bicarbonate	94.6	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 17:11	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 17:11	
SM 2540 C	Total Diss. Solids	223	mg/L	10			X438043	TJL	09/18/24 13:10	
SM 5310B	Total Organic Carbon	1.32	mg/L	1.00	0.38		X440069	JPM	10/02/24 12:45	
Anions by Ion Chromatography										
EPA 300.0	Chloride	17.8	mg/L	2.00	0.22	10	X437224	RS	09/17/24 01:04	
EPA 300.0	Nitrate as N	1.24	mg/L	0.050	0.013		X437224	RS	09/17/24 00:48	H3
EPA 300.0	Sulfate as SO4	13.1	mg/L	0.30	0.18		X437224	RS	09/17/24 00:48	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410241**
Reported: 04-Oct-24 16:26Client Sample ID: **GWMW-016-240911**

Sampled: 11-Sep-24 10:53

Received: 16-Sep-24

Sampled By: MT

SVL Sample ID: **X410241-02 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X438214	MAC	09/23/24 17:27	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.535	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 18:17	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 20:55	
EPA 6010D	Manganese	0.519	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 18:17	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 18:17	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 18:17	
EPA 6020B	Arsenic	0.0657	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 22:05	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	0.373	mg/L	0.030	0.013		X438053	DD	09/25/24 11:36	
SM 2320 B	Total Alkalinity	1240	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 15:46	
SM 2320 B	Bicarbonate	1240	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 15:46	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 15:46	
SM 2540 C	Total Diss. Solids	1340	mg/L	40			X438043	TJL	09/18/24 13:10	
SM 5310B	Total Organic Carbon	30.6	mg/L	1.00	0.38		X440069	JPM	10/02/24 13:04	
Anions by Ion Chromatography										
EPA 300.0	Chloride	154	mg/L	10.0	1.10	50	X437224	RS	09/17/24 01:36	
EPA 300.0	Nitrate as N	0.194	mg/L	0.050	0.013		X437224	RS	09/17/24 01:20	H3
EPA 300.0	Sulfate as SO4	0.32	mg/L	0.30	0.18		X437224	RS	09/17/24 01:20	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410241**
Reported: 04-Oct-24 16:26Client Sample ID: **GWMW-023-240911**

Sampled: 11-Sep-24 10:31

Received: 16-Sep-24

Sampled By: MT

SVL Sample ID: **X410241-03 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X438214	MAC	09/23/24 17:29	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.102	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 17:02	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 17:02	
EPA 6010D	Manganese	0.807	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 17:02	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 17:02	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 17:02	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 22:07	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X438053	DD	09/25/24 11:38	
SM 2320 B	Total Alkalinity	312	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 17:16	
SM 2320 B	Bicarbonate	312	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 17:16	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 17:16	
SM 2540 C	Total Diss. Solids	398	mg/L	10			X438043	TJL	09/18/24 13:10	
SM 5310B	Total Organic Carbon	2.72	mg/L	1.00	0.38		X440069	JPM	10/02/24 13:24	
Anions by Ion Chromatography										
EPA 300.0	Chloride	39.6	mg/L	2.00	0.22	10	X437224	RS	09/17/24 02:07	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X437224	RS	09/17/24 01:51	H3
EPA 300.0	Sulfate as SO4	8.28	mg/L	0.30	0.18		X437224	RS	09/17/24 01:51	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410241**
Reported: 04-Oct-24 16:26Client Sample ID: **MWS-1-2-240911**

Sampled: 11-Sep-24 09:59

Received: 16-Sep-24

Sampled By: MT

SVL Sample ID: **X410241-04 (Ground Water)**

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X438214	MAC	09/23/24 17:31	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.103	mg/L	0.0040	0.0019		X438081	SJN	09/24/24 17:06	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X438081	SJN	09/24/24 17:06	
EPA 6010D	Manganese	0.819	mg/L	0.0080	0.0034		X438081	SJN	09/24/24 17:06	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X438081	SJN	09/24/24 17:06	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X438081	SJN	09/24/24 17:06	
EPA 6020B	Arsenic	< 0.00100	mg/L	0.00100	0.00021		X438087	SMU	09/26/24 22:11	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	0.177	mg/L	0.030	0.013		X438053	DD	09/25/24 11:41	
SM 2320 B	Total Alkalinity	305	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 17:22	
SM 2320 B	Bicarbonate	305	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 17:22	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X438039	MWD	09/17/24 17:22	
SM 2540 C	Total Diss. Solids	421	mg/L	10			X438043	TJL	09/18/24 13:10	
SM 5310B	Total Organic Carbon	2.31	mg/L	1.00	0.38		X440069	JPM	10/02/24 13:43	
Anions by Ion Chromatography										
EPA 300.0	Chloride	39.3	mg/L	2.00	0.22	10	X437224	RS	09/17/24 03:11	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X437224	RS	09/17/24 02:55	H3
EPA 300.0	Sulfate as SO4	8.29	mg/L	0.30	0.18		X437224	RS	09/17/24 02:55	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410241**
Reported: 04-Oct-24 16:26**Quality Control - BLANK Data**

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total)								
EPA 7470A	Mercury	mg/L	<0.000200	0.000093	0.000200	X438214	23-Sep-24	
Metals (Total Recoverable)								
EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X438081	24-Sep-24	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X438081	24-Sep-24	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X438081	24-Sep-24	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X438081	24-Sep-24	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X438081	24-Sep-24	
EPA 6020B	Arsenic	mg/L	<0.00100	0.00021	0.00100	X438087	26-Sep-24	
Classical Chemistry Parameters								
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X438053	25-Sep-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	<1.0		1.0	X438039	17-Sep-24	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	<1.0		1.0	X438039	17-Sep-24	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0		1.0	X438039	17-Sep-24	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X438043	18-Sep-24	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X440069	02-Oct-24	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X440069	02-Oct-24	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X437224	16-Sep-24	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X437224	16-Sep-24	
EPA 300.0	Sulfate as SO ₄	mg/L	<0.30	0.18	0.30	X437224	16-Sep-24	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)									
EPA 7470A	Mercury	mg/L	0.00207	0.00200	104	80 - 120	X438214	23-Sep-24	
Metals (Total Recoverable)									
EPA 6010D	Barium	mg/L	0.959	1.00	95.9	80 - 120	X438081	24-Sep-24	
EPA 6010D	Lead	mg/L	0.948	1.00	94.8	80 - 120	X438081	24-Sep-24	
EPA 6010D	Manganese	mg/L	0.946	1.00	94.6	80 - 120	X438081	24-Sep-24	
EPA 6010D	Vanadium	mg/L	0.981	1.00	98.1	80 - 120	X438081	24-Sep-24	
EPA 6010D	Zinc	mg/L	0.963	1.00	96.3	80 - 120	X438081	24-Sep-24	
EPA 6020B	Arsenic	mg/L	0.0233	0.0250	93.0	80 - 120	X438087	26-Sep-24	
Classical Chemistry Parameters									
EPA 350.1	Ammonia as N	mg/L	0.977	1.00	97.7	90 - 110	X438053	25-Sep-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	100	99.3	101	96.4 - 105	X438039	17-Sep-24	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	414	397	104	96.4 - 105	X438039	17-Sep-24	
SM 5310B	Total Organic Carbon	mg/L	33.4	34.3	97.5	90 - 110	X440069	02-Oct-24	
SM 5310B	Total Organic Carbon	mg/L	33.5	34.3	97.7	90 - 110	X440069	02-Oct-24	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.01	3.00	100	90 - 110	X437224	16-Sep-24	
EPA 300.0	Nitrate as N	mg/L	1.97	2.00	98.6	90 - 110	X437224	16-Sep-24	
EPA 300.0	Sulfate as SO ₄	mg/L	10.1	10.0	101	90 - 110	X437224	16-Sep-24	

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X410241**
Reported: 04-Oct-24 16:26**Quality Control - DUPLICATE Data**

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
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Classical Chemistry Parameters

SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	1240	1240	0.2	20	X438039 - X410241-02	17-Sep-24	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	1240	1240	0.2	20	X438039 - X410241-02	17-Sep-24	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X438039 - X410241-02	17-Sep-24	
SM 2540 C	Total Diss. Solids	mg/L	412	398	3.5	10	X438043 - X410241-03	18-Sep-24	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	0.00209	<0.000200	0.00200	104	80 - 120	X438214 - X410230-02	23-Sep-24	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	0.959	<0.0040	1.00	95.9	75 - 125	X438081 - X410195-08	24-Sep-24	
EPA 6010D	Lead	mg/L	0.931	<0.0150	1.00	93.1	75 - 125	X438081 - X410195-08	24-Sep-24	
EPA 6010D	Manganese	mg/L	1.10	0.173	1.00	92.8	75 - 125	X438081 - X410195-08	24-Sep-24	
EPA 6010D	Vanadium	mg/L	0.971	<0.0050	1.00	97.1	75 - 125	X438081 - X410195-08	24-Sep-24	
EPA 6010D	Zinc	mg/L	0.947	<0.0100	1.00	94.7	75 - 125	X438081 - X410195-08	24-Sep-24	
EPA 6020B	Arsenic	mg/L	0.0246	0.00165	0.0250	91.9	75 - 125	X438087 - X410195-08	26-Sep-24	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	0.998	<0.030	1.00	99.8	90 - 110	X438053 - X410168-01	25-Sep-24	
EPA 350.1	Ammonia as N	mg/L	1.05	<0.030	1.00	105	90 - 110	X438053 - X410168-02	25-Sep-24	
SM 5310B	Total Organic Carbon	mg/L	11.7	1.51	10.0	102	80 - 120	X440069 - X410428-01	02-Oct-24	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.06	<0.20	3.00	98.2	90 - 110	X437224 - X410202-03	16-Sep-24	
EPA 300.0	Chloride	mg/L	2.97	<0.20	3.00	99.1	90 - 110	X437224 - X410202-06	16-Sep-24	
EPA 300.0	Nitrate as N	mg/L	1.93	<0.050	2.00	96.3	90 - 110	X437224 - X410202-03	16-Sep-24	
EPA 300.0	Nitrate as N	mg/L	1.95	<0.050	2.00	97.3	90 - 110	X437224 - X410202-06	16-Sep-24	
EPA 300.0	Sulfate as SO ₄	mg/L	10.9	1.13	10.0	97.9	90 - 110	X437224 - X410202-03	16-Sep-24	
EPA 300.0	Sulfate as SO ₄	mg/L	10.0	<0.30	10.0	97.5	90 - 110	X437224 - X410202-06	16-Sep-24	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	0.00212	0.00209	0.00200	1.3	20	106	X438214 - X410230-02	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	0.964	0.959	1.00	0.6	20	96.4	X438081 - X410195-08	
EPA 6010D	Lead	mg/L	0.938	0.931	1.00	0.8	20	93.8	X438081 - X410195-08	
EPA 6010D	Manganese	mg/L	1.10	1.10	1.00	0.2	20	93.0	X438081 - X410195-08	
EPA 6010D	Vanadium	mg/L	0.974	0.971	1.00	0.3	20	97.4	X438081 - X410195-08	
EPA 6010D	Zinc	mg/L	0.956	0.947	1.00	1.0	20	95.6	X438081 - X410195-08	
EPA 6020B	Arsenic	mg/L	0.0248	0.0246	0.0250	0.5	20	92.4	X438087 - X410195-08	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.02	0.998	1.00	1.7	20	102	X438053 - X410168-01	
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One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net

Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X410241**
Reported: 04-Oct-24 16:26

Quality Control - MATRIX SPIKE DUPLICATE Data				(Continued)						
Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes

Classical Chemistry Parameters (Continued)

SM 5310B	Total Organic Carbon	mg/L	11.6	11.7	10.0	1.1	20	101	X440069 - X410428-01	
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Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.13	3.06	3.00	2.0	20	100	X437224 - X410202-03	
EPA 300.0	Nitrate as N	mg/L	1.97	1.93	2.00	2.3	20	98.5	X437224 - X410202-03	
EPA 300.0	Sulfate as SO4	mg/L	11.2	10.9	10.0	2.6	20	101	X437224 - X410202-03	



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Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X410241**
Reported: 04-Oct-24 16:26

Notes and Definitions

H3	Sample was received and/or analysis requested past holding time.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2024**

13.0°

LABORATORY:
SVL ANALYTICAL
ONE GOVERNMENT GULCH
KELLOGG, ID 83837-0929
(208) 784-1258 FAX (208) 783-0891
ATTENTION: Sample Receiving

CLIENT:
SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY RD.
COLBERT, WASHINGTON 99005
(509) 238-6607 FAX (509) 238-6812
MICA (509)924-5223

SHIPPING CO: UPS
SHIPPING #: 1K3090465258
NUMBER OF COOLERS: 1
DATE: 9/11/2024
PAGE 1 **OF** 1

PARAMETERS:			MONITORING					RESIDENTIAL					SAMPLERS:			
			TOC	AMMONIA	Cl / SO4 / TDS NO3 / ALKALINITY	Cl / SO4 / NO3 ALKALINITY	METALS (As / Ba / Pb / Hg Mn / V / Zn)									
METHOD:			415.1	350.1	300.0/300.0/160.1 300.0 / 2320 B	300.0/300.0/ 300.0 2320B	7060A / 6010B / 7470A								Mike Terris	
BOTTLES:			1-40 ml.	1-500 ml	1-500 ml	1-500 ml.	1-500 ml.								Gordie Fiset	
LAB:			VOC	POLY BOTTLE	POLY BOTTLE	POLY BOTTLE	POLY BOTLE								Craig Campbell	
PRESERVATION:			SVL	SVL	SVL	SVL	SVL									
			HCL pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph< 2 (NOT FILTERED)									
SAMPLE IDENTIFICATION	DATE	TIME														
GWMS-005-240911	9-11	0828	X	X	X			X						13*	4	
GW MW-016-240911	9-11	1053	X	X	X			X						13*	4	
GW MW-023-240911	9-11	1031	X	X	X			X						13*	4	
MWS-1-2-240911	9-11	0959	X	X	X			X						13*	4	

Work Order: X410241
Spokane County Environmental Services (C



COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP astewart@spokanecounty.org and mterris@spokanecounty.org

RELINQUISHED BY

SIGNATURE:

PRINT NAME: MIKE S. TERRIS

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: 9-11-2024

TIME: 1500

RECEIVED BY

SIGNATURE:

PRINT NAME: Melissa DiGiovanni

COMPANY: SVL

DATE: 9/16/24

TIME: 910

SAMPLE RECEIPT/CHAIN-OF-CUSTODY CHECKLIST

The following items were checked for completeness, correctness, and compliance to project specifications using the Chain-of-Custody (COC) and other supporting information.

Date of acceptance: 9/16/24

By: Melissa D

SVL Work No: X4I0241

Item	Description	V	NA	Comments
1	Client or project name	✓		Spokane County
2	Date and time of receipt at lab	✓		9/16/24 910
3	Received by	✓		mmd
4	Temperature blank or cooler temperature	✓		Temp. 13.0°C @ 16 T098/T126
5	Were the sample(s) received on ice	✓		Ice melted
6	Custody tape/bottle seals	✓		
7	Shipper's air bill	✓		
8	Condition of samples upon receipt (leaking; bubbles in VOA vials)	✓		
9	Analysis requested for each sample	✓		
10	Sample matrix description	✓		
11	The correct preservative for the analysis requested	✓		
12	Did an SVL employee preserve sample(s) upon receipt	✓	mmd	GWMW-016-240911 HNO ₃ Container rec'd @ pH of 4 - SVL adjusted to ≤ 2 mmd
13	Additional Information		✓	

V- Verified NA- Not Applicable

Comments:

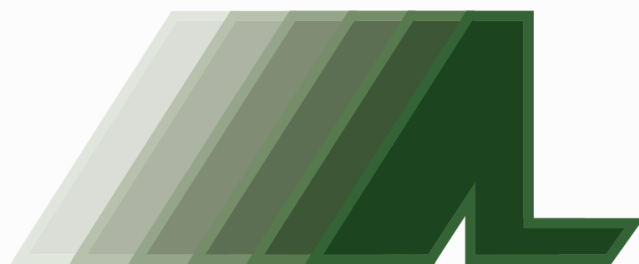
SVL ANALYTICAL
1 GOVERNMENT GULCH

KELLO3G ID 83837

P: NORTH S: NORTH I: 12C
KELL - RDC

K3090465258

DW41KHB IDCOE94BUDC SEP 16 06:48:22 2024
US 8960 HIP 24.3.1 20621R



ANATEK LABS

Analytical Results Report For:

Spokane County Utilities

Project Number:

X4I0261

Anatek Work Order:

MEI0551

Anatek Labs, Inc.

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

Client: Spokane County Utilities
Address: 22515 N. Elk Chattaroy Rd
Colbert, WA 99005
Attn: Dave Tryon

Work Order: MEI0551
Project: X4I0261
Reported: 9/30/2024 14:39

Analytical Results Report

Sample Location: X4I0261-01 (GWDW-001-240910)
Lab/Sample Number: MEI0551-01 **Collect Date:** 09/10/24 08:26
Date Received: 09/16/24 10:54 **Collected By:** MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 18:36	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/19/24 18:36	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	

Anatek Labs, Inc.

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

Sample Location: X4I0261-01 (GWDW-001-240910)
Lab/Sample Number: MEI0551-01 Collect Date: 09/10/24 08:26
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Chloromethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 18:36	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 18:36	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/19/24 18:36	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/19/24 18:36	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 18:36	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	101%		70-130	9/19/24 18:36	BKP	EPA 8260D	
Surrogate: Toluene-d8	97.6%		70-130	9/19/24 18:36	BKP	EPA 8260D	

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Sample Location: X4I0261-02 (GWDW-002-240910)
Lab/Sample Number: MEI0551-02 Collect Date: 09/10/24 09:26
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 19:08	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/19/24 19:08	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	

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Sample Location: X4I0261-02 (GWDW-002-240910)
Lab/Sample Number: MEI0551-02 Collect Date: 09/10/24 09:26
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 19:08	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 19:08	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/19/24 19:08	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/19/24 19:08	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 19:08	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	101%		70-130	9/19/24 19:08	BKP	EPA 8260D	
Surrogate: Toluene-d8	97.7%		70-130	9/19/24 19:08	BKP	EPA 8260D	

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Sample Location: X4I0261-03 (GWDW-003-240910)
Lab/Sample Number: MEI0551-03 Collect Date: 09/10/24 11:31
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 19:41	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/19/24 19:41	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	

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Sample Location: X4I0261-03 (GWDW-003-240910)
Lab/Sample Number: MEI0551-03 Collect Date: 09/10/24 11:31
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 19:41	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 19:41	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/19/24 19:41	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/19/24 19:41	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 19:41	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	101%		70-130	9/19/24 19:41	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.5%		70-130	9/19/24 19:41	BKP	EPA 8260D	

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Sample Location: X4I0261-04 (GWMS-004-240910)
Lab/Sample Number: MEI0551-04 Collect Date: 09/10/24 12:30
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.495	9/23/24 14:47	MAH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	66.8%		48-120	9/23/24 14:47	MAH	EPA 8270E	
Surrogate: 2-Fluorobiphenyl	70.8%		57-113	9/23/24 14:47	MAH	EPA 8270E	
Surrogate: 2-Fluorophenol	53.6%		37-110	9/23/24 14:47	MAH	EPA 8270E	
Surrogate: Nitrobenzene-d5	64.0%		65-110	9/23/24 14:47	MAH	EPA 8270E	S12
Surrogate: Phenol-2,3,4,5,6-d5	58.0%		51-112	9/23/24 14:47	MAH	EPA 8270E	
Surrogate: Terphenyl-d14	68.0%		57-133	9/23/24 14:47	MAH	EPA 8270E	

Volatiles

1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 20:13	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/19/24 20:13	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	

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Sample Location: X4I0261-04 (GWMS-004-240910)
Lab/Sample Number: MEI0551-04 Collect Date: 09/10/24 12:30
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromodichloromethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Dichlorodifluoromethane	1.37	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 20:13	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 20:13	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/19/24 20:13	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/19/24 20:13	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 20:13	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	100%		70-130	9/19/24 20:13	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.7%		70-130	9/19/24 20:13	BKP	EPA 8260D	

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Sample Location: X4I0261-05 (GWMW-009-240910)
Lab/Sample Number: MEI0551-05 Collect Date: 09/10/24 11:31
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 20:46	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/19/24 20:46	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	

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Sample Location: X4I0261-05 (GWMW-009-240910)
Lab/Sample Number: MEI0551-05 Collect Date: 09/10/24 11:31
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 20:46	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 20:46	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/19/24 20:46	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/19/24 20:46	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 20:46	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	101%		70-130	9/19/24 20:46	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.9%		70-130	9/19/24 20:46	BKP	EPA 8260D	

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Sample Location: X4I0261-06 (GWMW-010-240910)
Lab/Sample Number: MEI0551-06 Collect Date: 09/10/24 10:43
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 21:18	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/19/24 21:18	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	

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Sample Location: X4I0261-06 (GWMW-010-240910)
Lab/Sample Number: MEI0551-06 Collect Date: 09/10/24 10:43
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 21:18	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 21:18	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/19/24 21:18	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/19/24 21:18	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 21:18	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	100%		70-130	9/19/24 21:18	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.5%		70-130	9/19/24 21:18	BKP	EPA 8260D	

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Sample Location: X4I0261-07 (GWMW-013-240910)
Lab/Sample Number: MEI0551-07 Collect Date: 09/10/24 11:30
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 21:51	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/19/24 21:51	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Dichlorodifluoromethane	1.14	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	

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Sample Location: X4I0261-07 (GWMW-013-240910)
Lab/Sample Number: MEI0551-07 Collect Date: 09/10/24 11:30
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 21:51	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 21:51	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/19/24 21:51	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/19/24 21:51	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 21:51	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	101%		70-130	9/19/24 21:51	BKP	EPA 8260D	
Surrogate: Toluene-d8	99.1%		70-130	9/19/24 21:51	BKP	EPA 8260D	

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Sample Location: X4I0261-08 (GWMW-014-240910)
Lab/Sample Number: MEI0551-08 Collect Date: 09/10/24 10:00
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 22:23	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/19/24 22:23	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	

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Sample Location: X4I0261-08 (GWMW-014-240910)
Lab/Sample Number: MEI0551-08 Collect Date: 09/10/24 10:00
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 22:23	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 22:23	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/19/24 22:23	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/19/24 22:23	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 22:23	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	101%		70-130	9/19/24 22:23	BKP	EPA 8260D	
Surrogate: Toluene-d8	99.3%		70-130	9/19/24 22:23	BKP	EPA 8260D	

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Sample Location: X4I0261-09 (GWMW-020-240910)
Lab/Sample Number: MEI0551-09 Collect Date: 09/10/24 13:30
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 22:55	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/19/24 22:55	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Dichlorodifluoromethane	1.11	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	

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Sample Location: X4I0261-09 (GWMW-020-240910)
Lab/Sample Number: MEI0551-09 Collect Date: 09/10/24 13:30
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 22:55	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 22:55	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/19/24 22:55	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/19/24 22:55	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 22:55	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	125%		70-130	9/19/24 22:55	BKP	EPA 8260D	
Surrogate: Toluene-d8	99.2%		70-130	9/19/24 22:55	BKP	EPA 8260D	

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Sample Location: X4I0261-10 (GWMW-019R-240910)
Lab/Sample Number: MEI0551-10 Collect Date: 09/10/24 14:21
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 23:27	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/19/24 23:27	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	

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Sample Location: X4I0261-10 (GWMW-019R-240910)
Lab/Sample Number: MEI0551-10 Collect Date: 09/10/24 14:21
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 23:27	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 23:27	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/19/24 23:27	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/19/24 23:27	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 23:27	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	101%		70-130	9/19/24 23:27	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.6%		70-130	9/19/24 23:27	BKP	EPA 8260D	

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Sample Location: X4I0261-11 (MWS-1-1-240910)
Lab/Sample Number: MEI0551-11 Collect Date: 09/10/24 13:00
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/20/24 0:00	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/20/24 0:00	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Dichlorodifluoromethane	1.09	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	

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Sample Location: X4I0261-11 (MWS-1-1-240910)
Lab/Sample Number: MEI0551-11 Collect Date: 09/10/24 13:00
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/20/24 0:00	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/20/24 0:00	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/20/24 0:00	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/20/24 0:00	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/20/24 0:00	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	100%		70-130	9/20/24 0:00	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.3%		70-130	9/20/24 0:00	BKP	EPA 8260D	

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Sample Location: X4I0261-12 (GWMW-029-240910)
Lab/Sample Number: MEI0551-12 Collect Date: 09/10/24 13:46
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/20/24 0:32	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/20/24 0:32	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Dichlorodifluoromethane	1.30	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	

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Sample Location: X4I0261-12 (GWMW-029-240910)
Lab/Sample Number: MEI0551-12 Collect Date: 09/10/24 13:46
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/20/24 0:32	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/20/24 0:32	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/20/24 0:32	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/20/24 0:32	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/20/24 0:32	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	100%		70-130	9/20/24 0:32	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.5%		70-130	9/20/24 0:32	BKP	EPA 8260D	

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Sample Location: X4I0261-13 (GWMW-023-240911)
Lab/Sample Number: MEI0551-13 Collect Date: 09/11/24 10:31
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/20/24 1:04	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/20/24 1:04	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Dichlorodifluoromethane	0.760	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	

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Sample Location: X4I0261-13 (GWMW-023-240911)
Lab/Sample Number: MEI0551-13 Collect Date: 09/11/24 10:31
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/20/24 1:04	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/20/24 1:04	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/20/24 1:04	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/20/24 1:04	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/20/24 1:04	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	99.6%		70-130	9/20/24 1:04	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.0%		70-130	9/20/24 1:04	BKP	EPA 8260D	

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Sample Location: X4I0261-14 (GWMS-005-240911)
Lab/Sample Number: MEI0551-14 Collect Date: 09/11/24 08:28
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/20/24 1:37	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/20/24 1:37	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	

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Sample Location: X4I0261-14 (GWMS-005-240911)
Lab/Sample Number: MEI0551-14 Collect Date: 09/11/24 08:28
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/20/24 1:37	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/20/24 1:37	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/20/24 1:37	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/20/24 1:37	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/20/24 1:37	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	101%		70-130	9/20/24 1:37	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.4%		70-130	9/20/24 1:37	BKP	EPA 8260D	

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Sample Location: X4I0261-15 (MWS-1-2-240911)
Lab/Sample Number: MEI0551-15 Collect Date: 09/11/24 09:59
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/20/24 2:09	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	9/20/24 2:09	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Dichlorodifluoromethane	0.810	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	

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Sample Location: X4I0261-15 (MWS-1-2-240911)
Lab/Sample Number: MEI0551-15 Collect Date: 09/11/24 09:59
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/20/24 2:09	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/20/24 2:09	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/20/24 2:09	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/20/24 2:09	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/20/24 2:09	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	99.7%		70-130	9/20/24 2:09	BKP	EPA 8260D	
Surrogate: Toluene-d8	98.3%		70-130	9/20/24 2:09	BKP	EPA 8260D	

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Sample Location: X4I0261-16 (GWMW-016-240911)
Lab/Sample Number: MEI0551-16 Collect Date: 09/11/24 10:53
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,1-Dichloroethane	13.0	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	10.7	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,2-Dichloroethane	2.49	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,2-Dichloropropane	13.5	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	3.18	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
1,4-Dichlorobenzene	1.64	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/20/24 2:41	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Acetone	152	ug/L	25.0	9/24/24 2:36	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Benzene	11.3	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Chlorobenzene	1.00	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Chloroethane	5.75	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Dichlorodifluoromethane	2.77	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Ethylbenzene	52.0	ug/L	5.00	9/24/24 2:36	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Isopropylbenzene	5.38	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
m+p-Xylene	36.0	ug/L	5.00	9/24/24 2:36	BKP	EPA 8260D	

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Sample Location: X4I0261-16 (GWMW-016-240911)
Lab/Sample Number: MEI0551-16 Collect Date: 09/11/24 10:53
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/20/24 2:41	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	37.2	ug/L	2.50	9/20/24 2:41	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	9/20/24 2:41	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Naphthalene	16.1	ug/L	5.00	9/24/24 2:36	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
n-Propylbenzene	0.940	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
o-Xylene	13.8	ug/L	5.00	9/24/24 2:36	BKP	EPA 8260D	
p-isopropyltoluene	12.9	ug/L	5.00	9/24/24 2:36	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
tert-Butylbenzene	2.10	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Toluene	12.9	ug/L	5.00	9/24/24 2:36	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Trichlorofluoromethane	1.02	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Vinyl Chloride	0.560	ug/L	0.500	9/20/24 2:41	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/20/24 2:41	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	98.7%		70-130	9/20/24 2:41	BKP	EPA 8260D	
Surrogate: Toluene-d8	104%		70-130	9/20/24 2:41	BKP	EPA 8260D	

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Sample Location: X4I0261-17 (MWS-2-1-240911)
Lab/Sample Number: MEI0551-17 Collect Date: 09/11/24 00:00
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.200	9/19/24 18:04	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/19/24 18:04	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Acetone	14.9	ug/L	2.50	9/19/24 18:04	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	2.50	9/19/24 18:04	BKP	EPA 8260D	
Benzene	ND	ug/L	0.200	9/19/24 18:04	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.200	9/19/24 18:04	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	2.50	9/19/24 18:04	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.200	9/19/24 18:04	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.200	9/19/24 18:04	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.200	9/19/24 18:04	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	1.00	9/19/24 18:04	BKP	EPA 8260D	

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Sample Location: X4I0261-17 (MWS-2-1-240911)
Lab/Sample Number: MEI0551-17 Collect Date: 09/11/24 00:00
Date Received: 09/16/24 10:54 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/19/24 18:04	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/19/24 18:04	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.200	9/19/24 18:04	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/19/24 18:04	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.200	9/19/24 18:04	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	9/19/24 18:04	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	99.7%		70-130	9/19/24 18:04	BKP	EPA 8260D	
Surrogate: Toluene-d8	97.4%		70-130	9/19/24 18:04	BKP	EPA 8260D	

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Authorized Signature,



Justin Doty for Todd Taruscio, Lab Manager

M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable. Potential matrix effect.
R5	MS/MSD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria.
S12	Surrogate recovery was low.
PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was spiked or duplicated.

This report shall not be reproduced except in full, without the written approval of the laboratory
The results reported related only to the samples indicated.

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Quality Control Data

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BEI1277 - SVOC Water

Blank (BEI1277-BLK1)

Prepared: 09/17/24 00:17- Analyzed: 09/23/24 14:19

Di (2-ethylhexyl) phthalate	ND		0.500	ug/L						
Surrogate: Phenol-2,3,4,5,6-d5			40.7	ug/L	50.0		81.5	51-112		
Surrogate: Nitrobenzene-d5			22.3	ug/L	25.0		89.1	65-110		
Surrogate: Terphenyl-d14			24.5	ug/L	25.0		98.0	57-133		
Surrogate: 2-Fluorophenol			40.7	ug/L	50.0		81.4	37-110		
Surrogate: 2-Fluorobiphenyl			23.4	ug/L	25.0		93.7	57-113		
Surrogate: 2,4,6-Tribromophenol			47.4	ug/L	50.0		94.7	48-120		

LCS (BEI1277-BS1)

Prepared: 09/17/24 00:17- Analyzed: 09/20/24 21:00

Di (2-ethylhexyl) phthalate	6.53		0.500	ug/L	7.50		87.1	60-144		
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LCS Dup (BEI1277-BSD1)

Prepared: 09/17/24 00:17- Analyzed: 09/20/24 21:27

Di (2-ethylhexyl) phthalate	6.96		0.500	ug/L	7.50		92.8	60-144	6.38	32
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Quality Control Data

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BEI0862 - VOC

Blank (BEI0862-BLK1)

Prepared: 09/19/24 08:13- Analyzed: 09/19/24 11:35

cis-1,2-Dichloroethylene	ND		0.500	ug/L						
Methyl isobutyl ketone (MIBK)	ND		2.50	ug/L						
Methyl ethyl ketone (MEK)	ND		2.50	ug/L						
m/p Xylenes (MCL for total)	ND		0.500	ug/L						
Isopropylbenzene	ND		0.500	ug/L						
Hexachlorobutadiene	ND		0.500	ug/L						
Ethylbenzene	ND		0.500	ug/L						
Methylene Chloride (Dichloromethane)	ND		2.50	ug/L						
Dichlorodifluoromethane	ND		0.500	ug/L						
Dibromomethane	ND		0.500	ug/L						
methyl-t-butyl ether (MTBE)	ND		0.500	ug/L						
cis-1,3-Dichloropropene	ND		0.500	ug/L						
sec-Butylbenzene	ND		0.500	ug/L						
Chloromethane	ND		0.500	ug/L						
Chloroform	ND		0.500	ug/L						
Chloroethane	ND		0.500	ug/L						
Dibromochloromethane	ND		0.500	ug/L						
Tetrachloroethylene	ND		0.500	ug/L						
Vinyl Chloride	ND		0.500	ug/L						
Trichlorofluoromethane	ND		0.500	ug/L						
Trichloroethene	ND		0.500	ug/L						
o-Xylene (MCL for total)	ND		0.500	ug/L						
trans-1,2 Dichloroethylene	ND		0.500	ug/L						
Naphthalene	ND		0.500	ug/L						

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Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BEI0862 - VOC (Continued)

Blank (BEI0862-BLK1)

Prepared: 09/19/24 08:13- Analyzed: 09/19/24 11:35

Styrene	ND	0.500	ug/L
tert-Butylbenzene	ND	0.500	ug/L
p-isopropyltoluene	ND	0.500	ug/L
Chlorobenzene (Monochlorobenzene)	ND	0.500	ug/L
n-Propylbenzene	ND	0.500	ug/L
n-Butylbenzene	ND	0.500	ug/L
trans-1,3-Dichloropropene	ND	0.500	ug/L
1,1-Dichloropropene	ND	0.500	ug/L
1,2-Dichloroethane	ND	0.500	ug/L
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	0.500	ug/L
EDB (screening)	ND	0.500	ug/L
DBCP (screening)	ND	0.500	ug/L
1,2,4-Trimethylbenzene	ND	0.500	ug/L
1,2,4-Trichlorobenzene	ND	0.500	ug/L
1,2-Dichloropropane	ND	0.500	ug/L
1,2,3-Trichlorobenzene	ND	0.500	ug/L
1,1,2-Trichloroethane	ND	0.500	ug/L
1,1-Dichloroethylene	ND	0.500	ug/L
1,1-Dichloroethane	ND	0.500	ug/L
1,1,2,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
Carbon Tetrachloride	ND	0.500	ug/L
Toluene	ND	0.500	ug/L
1,2,3-Trichloropropane	ND	0.500	ug/L
Bromodichloromethane	ND	0.500	ug/L
Carbon disulfide	ND	0.500	ug/L
Bromomethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	ug/L
1,3,5-Trimethylbenzene	ND	0.500	ug/L
Bromoform	ND	0.500	ug/L
Bromochloromethane	ND	0.500	ug/L
Bromobenzene	ND	0.500	ug/L
Benzene	ND	0.500	ug/L
Acrylonitrile	ND	0.500	ug/L
2,2-Dichloropropane	ND	0.500	ug/L
p-Chlorotoluene	ND	0.500	ug/L
m-Dichlorobenzene	ND	0.500	ug/L
2-hexanone	ND	2.50	ug/L
1,3-Dichloropropane	ND	0.500	ug/L
o-Chlorotoluene	ND	0.500	ug/L
Acetone	ND	2.50	ug/L
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	0.500	ug/L

Surrogate: Toluene-d8	19.3	ug/L	20.0	96.6	70-130
Surrogate: 4-Bromofluorobenzene	20.0	ug/L	20.0	100	70-130
Surrogate: 1,2-Dichlorobenzene-d4	20.0	ug/L	20.0	100	70-130

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Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BEI0862 - VOC (Continued)

LCS (BEI0862-BS1)

Prepared: 09/19/24 08:13- Analyzed: 09/19/24 16:59

Hexachlorobutadiene	10.4		0.500	ug/L	10.0		104	80-120		
Ethylbenzene	9.97		0.500	ug/L	10.0		99.7	80-120		
Dichlorodifluoromethane	8.66		0.500	ug/L	10.0		86.6	57-130		
Dibromomethane	9.43		0.500	ug/L	10.0		94.3	80-120		
Dibromochloromethane	9.44		0.500	ug/L	10.0		94.4	80-121		
Chlorobenzene (Monochlorobenzene)	9.43		0.500	ug/L	10.0		94.3	80-120		
cis-1,2-Dichloroethylene	10.3		0.500	ug/L	10.0		103	80-120		
Chloroform	9.48		0.500	ug/L	10.0		94.8	80-120		
Chloroethane	8.82		0.500	ug/L	10.0		88.2	78-120		
Isopropylbenzene	10.6		0.500	ug/L	10.0		106	80-120		
p-isopropyltoluene	10.0		0.500	ug/L	10.0		100	80-120		
Carbon Tetrachloride	9.17		0.500	ug/L	10.0		91.7	80-120		
Carbon disulfide	11.9		0.500	ug/L	10.0		119	80-120		
cis-1,3-Dichloropropene	9.63		0.500	ug/L	10.0		96.3	79-123		
m/p Xylenes (MCL for total)	20.2		0.500	ug/L	20.0		101	80-120		
Methyl ethyl ketone (MEK)	9.42		2.50	ug/L	10.0		94.2	55-154		
Methyl isobutyl ketone (MIBK)	9.60		2.50	ug/L	10.0		96.0	70-136		
methyl-t-butyl ether (MTBE)	10.6		0.500	ug/L	10.0		106	71-130		
Naphthalene	9.70		0.500	ug/L	10.0		97.0	66-133		
n-Butylbenzene	10.2		0.500	ug/L	10.0		102	74-122		
o-Xylene (MCL for total)	10.5		0.500	ug/L	10.0		105	80-120		
sec-Butylbenzene	10.6		0.500	ug/L	10.0		106	80-120		
Styrene	10.5		0.500	ug/L	10.0		105	80-120		
tert-Butylbenzene	10.3		0.500	ug/L	10.0		103	80-120		
Tetrachloroethylene	9.34		0.500	ug/L	10.0		93.4	80-120		
Bromoform	9.55		0.500	ug/L	10.0		95.5	68-133		
1,2,4-Trimethylbenzene	10.5		0.500	ug/L	10.0		105	80-120		
Toluene	9.56		0.500	ug/L	10.0		95.6	80-120		
n-Propylbenzene	10.4		0.500	ug/L	10.0		104	80-120		
1,2-Dichloropropane	9.94		0.500	ug/L	10.0		99.4	80-120		
Trichloroethene	9.45		0.500	ug/L	10.0		94.5	80-120		
1,1,1,2-Tetrachloroethane	9.59		0.500	ug/L	10.0		95.9	80-120		
1,1,1-Trichloroethane	9.44		0.500	ug/L	10.0		94.4	80-120		
1,1,2,2-Tetrachloroethane	10.1		0.500	ug/L	10.0		101	77-123		
1,1,2-Trichloroethane	9.65		0.500	ug/L	10.0		96.5	80-120		
1,1-Dichloroethane	10.6		0.500	ug/L	10.0		106	80-120		
1,1-Dichloroethylene	8.69		0.500	ug/L	10.0		86.9	70-129		
1,1-Dichloropropene	9.81		0.500	ug/L	10.0		98.1	80-120		
1,2,3-Trichlorobenzene	10.5		0.500	ug/L	10.0		105	78-120		
1,2,3-Trichloropropane	9.83		0.500	ug/L	10.0		98.3	80-120		
1,2,4-Trichlorobenzene	10.3		0.500	ug/L	10.0		103	80-120		
DBCP (screening)	9.03		0.500	ug/L	10.0		90.3	71-128		
EDB (screening)	10.1		0.500	ug/L	10.0		101	70-130		
1,2-Dichloroethane	9.27		0.500	ug/L	10.0		92.7	80-120		
Bromodichloromethane	9.41		0.500	ug/L	10.0		94.1	80-120		
1,3,5-Trimethylbenzene	10.5		0.500	ug/L	10.0		105	80-121		

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Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BEI0862 - VOC (Continued)

LCS (BEI0862-BS1)

Prepared: 09/19/24 08:13- Analyzed: 09/19/24 16:59

m-Dichlorobenzene	10.0		0.500	ug/L	10.0		100	80-120		
1,3-Dichloropropane	9.95		0.500	ug/L	10.0		99.5	80-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.61		0.500	ug/L	10.0		96.1	80-120		
2,2-Dichloropropane	10.3		0.500	ug/L	10.0		103	80-120		
o-Chlorotoluene	10.1		0.500	ug/L	10.0		101	80-120		
2-hexanone	9.69		2.50	ug/L	10.0		96.9	65-140		
p-Chlorotoluene	10.2		0.500	ug/L	10.0		102	80-124		
Acrylonitrile	11.5		0.500	ug/L	10.0		115	73-131		
Benzene	9.47		0.500	ug/L	10.0		94.7	80-120		
Bromobenzene	9.87		0.500	ug/L	10.0		98.7	80-120		
Bromochloromethane	9.86		0.500	ug/L	10.0		98.6	80-120		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.54		0.500	ug/L	10.0		95.4	80-120		
trans-1,3-Dichloropropene	9.71		0.500	ug/L	10.0		97.1	69-130		
Trichlorofluoromethane	8.53		0.500	ug/L	10.0		85.3	61-140		
Vinyl Chloride	9.20		0.500	ug/L	10.0		92.0	75-120		
trans-1,2 Dichloroethylene	10.8		0.500	ug/L	10.0		108	80-120		
Surrogate: 4-Bromofluorobenzene			20.3	ug/L	20.0		101	70-130		
Surrogate: Toluene-d8			20.0	ug/L	20.0		100	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.0	ug/L	20.0		100	70-130		

Matrix Spike (BEI0862-MS1)

Source: MEI0551-08

Prepared: 09/19/24 08:13- Analyzed: 09/20/24 03:14

m/p Xylenes (MCL for total)	23.8		0.500	ug/L	23.8	ND	100	57-130		
Isopropylbenzene	11.5		0.500	ug/L	11.9	ND	97.0	70-130		
Hexachlorobutadiene	10.5		0.500	ug/L	11.9	ND	88.0	70-130		
Ethylbenzene	11.9		0.500	ug/L	11.9	ND	99.7	70-130		
Dichlorodifluoromethane	6.76	M2	0.500	ug/L	11.9	ND	56.9	57-136		
Dibromomethane	12.3		0.500	ug/L	11.9	ND	103	70-130		
Dibromochloromethane	12.3		0.500	ug/L	11.9	ND	104	70-130		
cis-1,3-Dichloropropene	12.4		0.500	ug/L	11.9	ND	104	74-124		
cis-1,2-Dichloroethylene	12.8		0.500	ug/L	11.9	ND	107	70-130		
Methyl ethyl ketone (MEK)	9.78		2.50	ug/L	11.9	ND	82.3	47-165		
Chloroethane	10.8		0.500	ug/L	11.9	ND	90.7	68-138		
n-Propylbenzene	11.2		0.500	ug/L	11.9	ND	94.0	70-130		
Chlorobenzene (Monochlorobenzene)	11.8		0.500	ug/L	11.9	ND	98.8	70-130		
Carbon Tetrachloride	9.14		0.500	ug/L	11.9	ND	76.9	70-130		
Carbon disulfide	12.9		0.500	ug/L	11.9	ND	109	70-130		
Chloroform	12.0		0.500	ug/L	11.9	ND	101	70-130		
sec-Butylbenzene	10.6		0.500	ug/L	11.9	ND	89.3	70-130		
Vinyl Chloride	9.28		0.500	ug/L	11.9	ND	78.1	70-130		
Trichlorofluoromethane	7.15		0.500	ug/L	11.9	ND	60.1	50-154		
trans-1,3-Dichloropropene	12.5		0.500	ug/L	11.9	ND	105	61-131		
Toluene	11.8		0.500	ug/L	11.9	ND	99.6	70-130		
Tetrachloroethylene	9.81		0.500	ug/L	11.9	ND	82.5	70-130		
Naphthalene	12.6		0.500	ug/L	11.9	ND	106	56-147		
Styrene	11.2		0.500	ug/L	11.9	ND	94.6	30-130		
Methyl isobutyl ketone (MIBK)	12.8		2.50	ug/L	11.9	ND	107	53-167		

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Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEI0862 - VOC (Continued)										
Matrix Spike (BEI0862-MS1)			Source: MEI0551-08		Prepared: 09/19/24 08:13- Analyzed: 09/20/24 03:14					
p-isopropyltoluene	10.8		0.500	ug/L	11.9	ND	90.5	70-130		
o-Xylene (MCL for total)	12.9		0.500	ug/L	11.9	ND	108	62-127		
trans-1,2 Dichloroethylene	12.3		0.500	ug/L	11.9	ND	103	70-130		
n-Butylbenzene	10.5		0.500	ug/L	11.9	ND	88.7	67-130		
Bromoform	12.7		0.500	ug/L	11.9	ND	107	59-140		
methyl-t-butyl ether (MTBE)	13.1		0.500	ug/L	11.9	ND	110	57-138		
tert-Butylbenzene	10.9		0.500	ug/L	11.9	ND	91.9	70-130		
1,1,2-Trichloroethane	12.3		0.500	ug/L	11.9	ND	104	70-130		
1,2,4-Trimethylbenzene	12.4		0.500	ug/L	11.9	ND	104	40-140		
1,2,4-Trichlorobenzene	12.7		0.500	ug/L	11.9	ND	107	70-130		
1,2,3-Trichloropropane	12.4		0.500	ug/L	11.9	ND	104	69-137		
1,2,3-Trichlorobenzene	13.0		0.500	ug/L	11.9	ND	109	67-134		
DBCP (screening)	12.7		0.500	ug/L	11.9	ND	107	55-146		
Bromodichloromethane	12.4		0.500	ug/L	11.9	ND	104	70-130		
1,1-Dichloropropene	10.1		0.500	ug/L	11.9	ND	84.6	70-130		
1,1,2,2-Tetrachloroethane	11.1		0.500	ug/L	11.9	ND	93.4	67-136		
1,1,1-Trichloroethane	9.96		0.500	ug/L	11.9	ND	83.8	70-130		
1,1,1,2-Tetrachloroethane	12.3		0.500	ug/L	11.9	ND	104	70-130		
Trichloroethene	10.9		0.500	ug/L	11.9	ND	91.3	70-130		
1,1-Dichloroethylene	9.35		0.500	ug/L	11.9	ND	78.7	70-130		
2-hexanone	12.8		2.50	ug/L	11.9	ND	108	43-175		
Bromochloromethane	13.1		0.500	ug/L	11.9	ND	110	70-130		
1,1-Dichloroethane	12.7		0.500	ug/L	11.9	ND	107	70-130		
EDB (screening)	12.8		0.500	ug/L	11.9	ND	108	70-130		
Benzene	11.7		0.500	ug/L	11.9	ND	98.2	70-130		
p-Chlorotoluene	12.3		0.500	ug/L	11.9	ND	103	70-130		
Bromobenzene	9.67		0.500	ug/L	11.9	ND	81.3	70-130		
o-Chlorotoluene	11.9		0.500	ug/L	11.9	ND	99.9	70-130		
2,2-Dichloropropane	10.9		0.500	ug/L	11.9	ND	91.4	70-130		
1,4-Dichlorobenzene (para-Dichlorobenzene)	12.1		0.500	ug/L	11.9	ND	102	70-130		
1,3-Dichloropropane	12.6		0.500	ug/L	11.9	ND	106	70-130		
m-Dichlorobenzene	12.5		0.500	ug/L	11.9	ND	105	70-130		
1,3,5-Trimethylbenzene	12.0		0.500	ug/L	11.9	ND	101	40-140		
1,2-Dichloropropane	11.8		0.500	ug/L	11.9	ND	99.3	70-130		
1,2-Dichloroethane	11.7		0.500	ug/L	11.9	ND	98.6	70-130		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	12.0		0.500	ug/L	11.9	ND	101	70-130		
Acrylonitrile	15.5		0.500	ug/L	11.9	ND	131	65-137		
Surrogate: 4-Bromofluorobenzene			14.9	ug/L	20.0		74.4	70-130		
Surrogate: Toluene-d8			20.3	ug/L	20.0		101	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.0	ug/L	20.0		100	70-130		

Anatek Labs, Inc.

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

Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BEI0862 - VOC (Continued)

Matrix Spike Dup (BEI0862-MSD1)

Source: MEI0551-08

Prepared: 09/19/24 08:13- Analyzed: 09/20/24 03:46

Dichlorodifluoromethane	6.77		0.500	ug/L	11.9	ND	57.0	57-136	0.148	20
Methyl ethyl ketone (MEK)	10.2		2.50	ug/L	11.9	ND	85.9	47-165	4.30	20
m/p Xylenes (MCL for total)	24.4		0.500	ug/L	23.8	ND	103	57-130	2.45	20
Isopropylbenzene	12.0		0.500	ug/L	11.9	ND	101	70-130	3.99	20
Hexachlorobutadiene	11.2		0.500	ug/L	11.9	ND	94.2	70-130	6.83	20
Ethylbenzene	12.1		0.500	ug/L	11.9	ND	102	70-130	2.25	20
Dibromomethane	12.4		0.500	ug/L	11.9	ND	104	70-130	1.06	20
Dibromochloromethane	12.3		0.500	ug/L	11.9	ND	103	70-130	0.406	20
cis-1,3-Dichloropropene	12.3		0.500	ug/L	11.9	ND	104	74-124	0.485	20
cis-1,2-Dichloroethylene	13.0		0.500	ug/L	11.9	ND	109	70-130	1.63	20
Chloroform	12.1		0.500	ug/L	11.9	ND	102	70-130	0.580	20
Chloroethane	11.5		0.500	ug/L	11.9	ND	96.6	68-138	6.29	20
Carbon Tetrachloride	9.28		0.500	ug/L	11.9	ND	78.1	70-130	1.52	20
Chlorobenzene (Monochlorobenzene)	11.8		0.500	ug/L	11.9	ND	99.5	70-130	0.679	20
Styrene	11.2		0.500	ug/L	11.9	ND	94.3	30-130	0.267	20
EDB (screening)	12.7		0.500	ug/L	11.9	ND	107	70-130	0.707	20
Trichlorofluoromethane	7.46		0.500	ug/L	11.9	ND	62.8	50-154	4.24	20
Carbon disulfide	13.1		0.500	ug/L	11.9	ND	110	70-130	1.38	20
trans-1,3-Dichloropropene	12.5		0.500	ug/L	11.9	ND	105	61-131	0.321	20
trans-1,2 Dichloroethylene	12.5		0.500	ug/L	11.9	ND	105	70-130	1.85	20
Toluene	12.0		0.500	ug/L	11.9	ND	101	70-130	1.43	20
Trichloroethene	11.1		0.500	ug/L	11.9	ND	93.3	70-130	2.19	20
tert-Butylbenzene	11.4		0.500	ug/L	11.9	ND	96.2	70-130	4.56	20
Methyl isobutyl ketone (MIBK)	12.5		2.50	ug/L	11.9	ND	105	53-167	2.06	20
sec-Butylbenzene	11.1		0.500	ug/L	11.9	ND	93.2	70-130	4.33	20
p-isopropyltoluene	11.1		0.500	ug/L	11.9	ND	93.2	70-130	2.93	20
o-Xylene (MCL for total)	13.1		0.500	ug/L	11.9	ND	110	62-127	1.47	20
n-Propylbenzene	11.6		0.500	ug/L	11.9	ND	97.8	70-130	3.95	20
n-Butylbenzene	11.0		0.500	ug/L	11.9	ND	92.6	67-130	4.36	20
Naphthalene	12.5		0.500	ug/L	11.9	ND	105	56-147	1.19	20
methyl-t-butyl ether (MTBE)	12.9		0.500	ug/L	11.9	ND	108	57-138	1.62	20
Tetrachloroethylene	9.99		0.500	ug/L	11.9	ND	84.1	70-130	1.82	20
1,1,2,2-Tetrachloroethane	12.7		0.500	ug/L	11.9	ND	107	67-136	13.3	20
1,2,4-Trichlorobenzene	12.9		0.500	ug/L	11.9	ND	108	70-130	1.33	20
1,2,3-Trichloropropane	12.4		0.500	ug/L	11.9	ND	105	69-137	0.242	20
1,2,3-Trichlorobenzene	13.1		0.500	ug/L	11.9	ND	110	67-134	0.689	20
1,1-Dichloropropene	10.2		0.500	ug/L	11.9	ND	85.4	70-130	0.891	20
1,1-Dichloroethylene	10.9		0.500	ug/L	11.9	ND	91.7	70-130	15.3	20
1,2-Dichloroethane	11.5		0.500	ug/L	11.9	ND	96.8	70-130	1.89	20
1,1,2-Trichloroethane	12.2		0.500	ug/L	11.9	ND	103	70-130	0.733	20
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	12.0		0.500	ug/L	11.9	ND	101	70-130	0.334	20
1,1,1-Trichloroethane	10.2		0.500	ug/L	11.9	ND	85.5	70-130	1.99	20
1,1,1,2-Tetrachloroethane	12.2		0.500	ug/L	11.9	ND	102	70-130	1.39	20
Vinyl Chloride	9.58		0.500	ug/L	11.9	ND	80.6	70-130	3.18	20
1,1-Dichloroethane	12.8		0.500	ug/L	11.9	ND	108	70-130	0.706	20
2,2-Dichloropropane	11.2		0.500	ug/L	11.9	ND	94.1	70-130	2.90	20

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - email spokane@anateklabs.com

Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BEI0862 - VOC (Continued)										
Matrix Spike Dup (BEI0862-MSD1)			Source: MEI0551-08		Prepared: 09/19/24 08:13- Analyzed: 09/20/24 03:46					
Bromodichloromethane	12.4		0.500	ug/L	11.9	ND	104	70-130	0.162	20
Bromochloromethane	12.8		0.500	ug/L	11.9	ND	108	70-130	1.62	20
Bromobenzene	12.2	R5	0.500	ug/L	11.9	ND	103	70-130	23.1	20
Benzene	11.8		0.500	ug/L	11.9	ND	99.4	70-130	1.19	20
Acrylonitrile	14.8		0.500	ug/L	11.9	ND	125	65-137	4.68	20
p-Chlorotoluene	12.5		0.500	ug/L	11.9	ND	105	70-130	1.94	20
1,2,4-Trimethylbenzene	12.8		0.500	ug/L	11.9	ND	108	40-140	3.10	20
o-Chlorotoluene	12.3		0.500	ug/L	11.9	ND	103	70-130	3.31	20
DBCP (screening)	12.9		0.500	ug/L	11.9	ND	108	55-146	1.17	20
1,4-Dichlorobenzene (para-Dichlorobenzene)	12.2		0.500	ug/L	11.9	ND	103	70-130	0.575	20
1,3-Dichloropropane	12.5		0.500	ug/L	11.9	ND	105	70-130	0.558	20
m-Dichlorobenzene	12.7		0.500	ug/L	11.9	ND	107	70-130	1.91	20
1,3,5-Trimethylbenzene	12.4		0.500	ug/L	11.9	ND	104	40-140	3.29	20
1,2-Dichloropropane	12.6		0.500	ug/L	11.9	ND	106	70-130	6.79	20
Bromoform	12.7		0.500	ug/L	11.9	ND	107	59-140	0.157	20
2-hexanone	13.2		2.50	ug/L	11.9	ND	111	43-175	2.77	20
Surrogate: Toluene-d8			20.4	ug/L	20.0		102	70-130		
Surrogate: 4-Bromofluorobenzene			19.8	ug/L	20.0		99.2	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.0	ug/L	20.0		100	70-130		



Subcontract Order

X4I0261

MEI0551



Due: 09/30/24

929

929

258

Sending Laboratory:

SVL Analytical, Inc.
One Government Gulch
PO Box 929
Kellogg, ID 83837-0929
Phone: 208-784-1258
Project Manager: Dave Tryon

Client:

Spokane County Environmental Services
(Colbert)

Project Name:

Routine

Project State of Origin:

Washington

Anatek Labs (ID)
1282 Alturas Drive
Moscow, ID 83843
Phone: 208-883-2839

Report and Invoice to SVL Analytical, Inc.

Analysis	Due	HT Expires		
SVL ID: X4I0261-01	Client ID: GWDW-001-240910		Ground Water	Sampled: 10-Sep-24 08:26
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 08:26	DEDICATED QC	
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
SVL ID: X4I0261-02	Client ID: GWDW-002-240910		Ground Water	Sampled: 10-Sep-24 09:26
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 09:26	DEDICATED QC	
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
SVL ID: X4I0261-03	Client ID: GWDW-003-240910		Ground Water	Sampled: 10-Sep-24 11:31
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 11:31	DEDICATED QC	
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
SVL ID: X4I0261-04	Client ID: GWMS-004-240910		Ground Water	Sampled: 10-Sep-24 12:30
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 12:30	DEDICATED QC	
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Raw Amber Glass (D)				
SVL ID: X4I0261-05	Client ID: GMMW-009-240910		Ground Water	Sampled: 10-Sep-24 11:31
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 11:31	DEDICATED QC	
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				

Shipped Directly to Anatek

Relinquished by: 2727/10 Date/Time: 9/17/24 Received by: TB Date/Time: 10:54
 Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: 9/16/24



Subcontract Order

One Government Gulch - PO Box 929

Kellogg ID 83837-0929

(208) 784-1258

X4I0261

Analysis	Due	HT Expires		
SVL ID: X4I0261-06 Client ID: GWMW-010-240910			Ground Water	Sampled: 10-Sep-24 10:43
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 10:43	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C)				
SVL ID: X4I0261-07 Client ID: GWMW-013-240910			Ground Water	Sampled: 10-Sep-24 11:30
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 11:30	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C)				
SVL ID: X4I0261-08 Client ID: GWMW-014-240910			Ground Water	Sampled: 10-Sep-24 10:00
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 10:00	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C) Amber VOA HCl (D) Amber VOA HCl (E) Amber VOA HCl (F) Amber VOA HCl (G) Amber VOA HCl (H) Amber VOA HCl (I)				
SVL ID: X4I0261-09 Client ID: GWMW-020-240910			Ground Water	Sampled: 10-Sep-24 13:30
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 13:30	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C)				
SVL ID: X4I0261-10 Client ID: GWMW-019R-240910			Ground Water	Sampled: 10-Sep-24 14:21
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 14:21	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C)				
SVL ID: X4I0261-11 Client ID: MWS-1-1-240910			Ground Water	Sampled: 10-Sep-24 13:00
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 13:00	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C)				
SVL ID: X4I0261-12 Client ID: GWMW-029-240910			Ground Water	Sampled: 10-Sep-24 13:46
Sub VOC 8260 (Anatek)	30-Sep-24	24-Sep-24 13:46	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C)				

Shipped directly to Anatek

Relinquished by: 7/7/24 Date/Time: 9/17/24 Received by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____



Subcontract Order

One Government Gulch - PO Box 929

Kellogg ID 83837-0929

(208) 784-1258

X4I0261

Analysis	Due	HT Expires		
SVL ID: X4I0261-13 Client ID: GWMW-023-240911			Ground Water	Sampled: 11-Sep-24 10:31
Sub VOC 8260 (Anatek)	30-Sep-24	25-Sep-24 10:31	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C)				
SVL ID: X4I0261-14 Client ID: GWMS-005-240911			Ground Water	Sampled: 11-Sep-24 08:28
Sub VOC 8260 (Anatek)	30-Sep-24	25-Sep-24 08:28	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C)				
SVL ID: X4I0261-15 Client ID: MWS-1-2-240911			Ground Water	Sampled: 11-Sep-24 09:59
Sub VOC 8260 (Anatek)	30-Sep-24	25-Sep-24 09:59	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C)				
SVL ID: X4I0261-16 Client ID: GWMW-016-240911			Ground Water	Sampled: 11-Sep-24 10:53
Sub VOC 8260 (Anatek)	30-Sep-24	25-Sep-24 10:53	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B) Amber VOA HCl (C)				
SVL ID: X4I0261-17 Client ID: MWS-2-1-240911			Ground Water	Sampled: 11-Sep-24 00:00
Sub VOC 8260 (Anatek)	30-Sep-24	25-Sep-24 00:00	DEDICATED QC	
Containers Supplied: Amber VOA HCl (A) Amber VOA HCl (B)				

Shipped directly to Anatek

Relinquished by: [Signature] Date/Time: 9/17/24 Received by: _____ Date/Time: _____
Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____

SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2024

LABORATORY: *
ANATEK LAB-MOSCOW
1282 ALTURAS DR
MOSCOW, IDAHO 83843
(208) 883-2839
ATTENTION: Sample Receiving

CLIENT:
SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY RD.
COLBERT, WASHINGTON 99005
(509) 238-6607 FAX (509) 238-6812
MICA (509) 924-5223

SHIPPING CO: UPS
SHIPPING # 1K3090465267
OF COOLERS: 1
DATE: 9/11/2024
PAGE 1 OF 2

PARAMETERS:			VOLATILES	SEMI VOLATILES	SAMPLERS:		
METHOD:			8260C	BEHP 8270D	Mike Terris Gordie Fisette Craig Campbell		
BOTTLES:			3-40 ml. VOA'S	1 LITER AMBER GLASS			
LAB:			ANATEK LAB	ANATEK LAB			
PRESERVATION:	2024		HCl pH<2	UNPRESERVED			
SAMPLE IDENTIFICATION	DATE	TIME			NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
GWDW-001-240910	9/10	0826	X		3	250	
GWDW-002-240910	9/10	0926	X		3	250	
GWDW-003-240910	9/10	1131	X		3	250	
GWMS-004-240910	9/10	1230	X	X	4	250	
GW MW-009-240910	9/10	1131	X		3	250	
GW MW-010-240910	9/10	1043	X		3	250	
GW MW-013-240910	9/10	1130	X		3	250	
GW MW-014-240910	9/10	1000	X		9	250	MS/MSD
GW MW-020-240910	9/10	1330	X		3	250	
GW MW-019R-240910	9/10	1421	X		3	250	
MWS-1-1-240910	9/10	1300	X		3	250	

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP; astewart@spokanecounty.org & mterris@spokanecounty.org

RELINQUISHED BY:
SIGNATURE: *Mike Terris* DATE: 9/11/2024
PRINT NAME: MIKE S. TERRIS TIME: 1500
COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY:
SIGNATURE: DATE:
PRINT NAME: TIME:
COMPANY:

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM**

2024

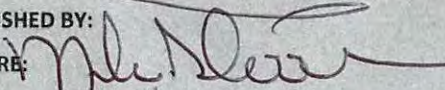
LABORATORY: 
ANATEK LAB-MOSCOW
1282 ALTURAS DR
MOSCOW, IDAHO 83843
(208) 883-2839
ATTENTION: Sample Receiving

CLIENT:
SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY RD.
COLBERT, WASHINGTON 99005
(509) 238-6607 FAX (509) 238-6812
MICA (509) 924-5223

SHIPPING CO: UPS
SHIPPING # K3090465267
OF COOLERS: 1
DATE: 9/11/2024
PAGE 2 OF 2

PARAMETERS:			VOLATILES	SEMI VOLATILES	SAMPLERS: Mike Terris Gordie Fisette Craig Campbell		
METHOD:			8260C	BEHP 8270D			
BOTTLES:			3-40 ml. VOA'S	1 LITER AMBER GLASS			
LAB:			ANATEK LAB	ANATEK LAB			
PRESERVATION:	2024		HCl pH<2	UNPRESERVED			
SAMPLE IDENTIFICATION	DATE	TIME			NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
GW MW-029-240910	9-10	1343			3	250	
GW MW-023-240911	9-11	1031			3	250	
GW MS-005-240911	9-11	0828			3	250	
MWS-1-2-240911	9-11	0959			3	250	
GW MW-016-240911	9-11	1053			3	250	
MWS-2-1-240911	9-11	-			2	250	TRIP-BLANKS

COMMENTS: Please e-mail a sample condition report to Austin and Mike ASAP; astewart@spokanecounty.org & mterris@spokanecounty.org

RELINQUISHED BY:
SIGNATURE: 
PRINT NAME: MIKE S. TERRIS
COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE
DATE: 9/11/2024
TIME: 1500

RECEIVED BY:
SIGNATURE: _____
PRINT NAME: _____
COMPANY: _____
DATE: _____
TIME: _____



Sample Receipt and Preservation Form

Client Name: Spokane CountyTAT: Normal RUSH: _____ daysSamples Received From: FedEx UPS USPS Client Courier Other: _____Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/ANumber of Coolers/Boxes: 1 Type of Ice: Wet Ice Ice Packs Dry Ice NonePacking Material: Bubble Wrap Bags Foam/Peanuts Paper None Other: _____Cooler Temp As Read (°C): 11 - 0 °C Cooler Temp Corrected (°C): _____ Thermometer Used: IR-4 IR-5

Comments:

Samples Received Intact?	<u>Yes</u>	No	N/A
Chain of Custody Present/Complete?	<u>Yes</u>	No	N/A
Labels and Chains Agree?	<u>Yes</u>	No	N/A
Samples Received Within Hold Time?	<u>Yes</u>	No	N/A
Correct Containers Received?	<u>Yes</u>	No	N/A
Anatek Bottles Used?	<u>Yes</u>	No	Unknown
Total Number of Sample Bottles Received:	<u>57</u>		

Samples Properly Preserved? Yes No N/A

If No, record preservation and pH-after details

VOC Vials Free of Headspace (<6mm)? Yes No N/A

VOC Trip Blanks Present? Yes No N/A

Initial pH:

pH Paper ID:

<2 or	

Record preservatives (and lot numbers, if known) for containers below:

644 HCR 2309 x 524 + 2 + B 8260
612 8270 x 1

Notes, comments, etc. (also use this space if contacting the client - record names and date/time)

emailed out of temp TB 9/16/24
emailed SVL TB 9/20 9/17/24

Received/Inspected By: TB Date/Time: 9/16/24 10:54
Form F19.01 - Eff 1 Dec 2022

Taissa Berezovskiy

From: Megan Bircher <Megan@svl.net>
Sent: Tuesday, September 17, 2024 10:47 AM
To: Taissa Berezovskiy; Melissa DiGiovanni; Crystal for_SVL
Cc: Dave Tryon
Subject: RE: Spokane County Environmental Services FW: GWDW-001-240910 8260/8270 Workorder
Attachments: X4I0261_COC_02.PDF

Hi Taissa,

Attached is the Sub-contract form for Spokane County and the Autolog has been transferred. Per the client please proceed with analysis in spite of out of temperature cooler.

Have a good day!

Megan Bircher
Analytical Team Lead - Sample Receiving & Prep



One Government Gulch
Kellogg, ID 83837
208-784-1258



Please complete a short survey to let us know how we are doing! www.svl.net/survey

From: Taissa Berezovskiy <TaissaB@anateklabs.com>
Sent: Tuesday, September 17, 2024 8:18 AM
To: Melissa DiGiovanni <melissa@svl.net>; Megan Bircher <Megan@svl.net>; Crystal Sevy <crystal@svl.net>
Subject: Spokane County Environmental Services FW: GWDW-001-240910 8260/8270 Workorder

Good morning,

Can we get an auto log and workorder for these samples?

Thanks,

Taissa Berezovskiy
Sample Receiving
Anatek Labs, Inc.
1282 Alturas Dr,
Moscow, ID 83843
TaissaB@anateklabs.com

From: Stewart, Austin R. <ASTEWART@spokanecounty.org>
Sent: Monday, September 16, 2024 4:06 PM
To: Todd Taruscio <toddt@anateklabs.com>
Cc: Terris, Mike <MTERRIS@spokanecounty.org>; Taissa Berezovskiy <TaissaB@anateklabs.com>; Justin Doty <justin@anateklabs.com>
Subject: RE: GWDW-001-240910 8260/8270 Workorder

Hi Todd,

Thank you for the information. I think we can move forward with analyzing the samples, and if results seem very inconsistent with previous values, we might have to resample.

Have a great evening!

Austin

From: Todd Taruscio <toddt@anateklabs.com>
Sent: Monday, September 16, 2024 3:30 PM
To: Stewart, Austin R. <ASTEWART@spokanecounty.org>
Cc: Terris, Mike <MTERRIS@spokanecounty.org>; Taissa Berezovskiy <TaissaB@anateklabs.com>; Justin Doty <justin@anateklabs.com>
Subject: RE: GWDW-001-240910 8260/8270 Workorder

Good afternoon Austin

Strictly from a regulatory perspective I have to say no since we are required to keep your VOC samples at 10 degrees C or less until analysis (we store at less than 6 degree C).

If you are asking my opinion as an experienced chemist then I think the samples will still be valid to use for monitoring well data.

Regards
Todd

Todd Taruscio PhD
Laboratory Manager
Work 208-883-2839
Cell 208-882-4674



From: Stewart, Austin R. <ASTEWART@spokanecounty.org>
Sent: Monday, September 16, 2024 2:45 PM
To: Todd Taruscio <toddt@anateklabs.com>; Justin Doty <justin@anateklabs.com>

Cc: Terris, Mike <MTERRIS@spokanecounty.org>; Taissa Berezovskiy <TaissaB@anateklabs.com>
Subject: RE: GWDW-001-240910 8260/8270 Workorder

Hi Todd and Justin,

Taissa notified me that our VOC samples finally arrived this morning, but that the temperature of the samples was 11 degrees C upon arrival. Our oversight would like us to run the samples if there is a chance that the results may still be accurate, but is the temperature just too high at this point to trust the results? Any guidance would be appreciated.

Thank you!

Austin Stewart
PW Project Manager
Spokane County Public Works
Environmental Services Division
astewart@spokanecounty.org
Phone #: 406-370-3271

From: Taissa Berezovskiy <TaissaB@anateklabs.com>
Sent: Monday, September 16, 2024 12:26 PM
To: Stewart, Austin R. <ASTEWART@spokanecounty.org>; Terris, Mike <MTERRIS@spokanecounty.org>
Subject: RE: GWDW-001-240910 8260/8270 Workorder

Hi Austin,

There was no ice in the cooler, just a very big puddle of water. The temperature of the cooler upon arrival was 11.0 degrees Celsius. I will attach the CoC.

Thanks,

Taissa Berezovskiy
Sample Receiving
Anatek Labs, Inc.
1282 Alturas Dr,
Moscow, ID 83843
TaissaB@anateklabs.com

From: Stewart, Austin R. <ASTEWART@spokanecounty.org>
Sent: Monday, September 16, 2024 11:19 AM
To: Taissa Berezovskiy <TaissaB@anateklabs.com>; Terris, Mike <MTERRIS@spokanecounty.org>
Subject: RE: GWDW-001-240910 8260/8270 Workorder

Hi Taissa,

Thank you for letting me know. I have a couple of questions – was there any ice left in the cooler upon receipt? Also, would you be able to verify the temperature for me? And lastly, would you be able to send me a copy of our CoC? The technician that has the paperwork/CoC is not in today.

Thank you!

Austin Stewart
PW Project Manager
Spokane County Public Works
Environmental Services Division
astewart@spokanecounty.org
Phone #: 406-370-3271

From: Taissa Berezovskiy <TaissaB@anateklabs.com>
Sent: Monday, September 16, 2024 11:03 AM
To: Stewart, Austin R. <ASTEWART@spokanecounty.org>; Terris, Mike <MTERRIS@spokanecounty.org>
Subject: GWDW-001-240910 8260/8270 Workorder

Good morning,

We received a cooler with samples for GWDW-001-240910 8260/8270 workorder today 9/16/25. The samples came in above temperature at 11.0 degrees C.
Please let us know how you'd like to proceed!

Thanks,

Taissa Berezovskiy
Sample Receiving
Anatek Labs, Inc.
1282 Alturas Dr,
Moscow, ID 83843
TaissaB@anateklabs.com

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APPENDIX B - DATA SUMMARY ANALYSIS

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
DW-001	1,2-Dichloroethane	106	0.00	0	0	0.00	0	106	0
DW-001	1,2-Dichloropropane	106	0.00	0	0	0.00	0	106	0
DW-001	Acetone	106	0.00	0	0	0.00	0	106	0
DW-001	Alkalinity	106	148.60	109	189	10.38	106	0	0
DW-001	Ammonia	105	0.01	0	0.27	0.03	18	87	0
DW-001	Arsenic	106	0.00	0	0.0036	0.00	37	69	0
DW-001	Barium	107	0.01	0	0.0432	0.01	102	5	0
DW-001	Benzene	106	0.00	0	0	0.00	0	106	0
DW-001	bis(2-Ethylhexyl)Phthalate	57	1.62	0	17	4.23	14	43	6
DW-001	Chloride	107	3.27	0	17	3.76	105	2	0
DW-001	cis-1,2-dichloroethene	103	0.00	0	0	0.00	0	103	0
DW-001	Ethylbenzene	97	0.00	0	0	0.00	0	97	0
DW-001	Lead	106	0.00	0	0.034	0.00	20	86	0
DW-001	m,p-Xylene	67	0.00	0	0	0.00	0	67	0
DW-001	Manganese	107	0.01	0	0.068	0.01	89	18	0
DW-001	Mercury	104	0.00	0	0	0.00	0	104	0
DW-001	Methylene Chloride	106	0.00	0	0	0.00	0	106	0
DW-001	N-Nitrate	107	0.08	0	0.496	0.09	79	28	0
DW-001	o-Xylene	94	0.00	0	0	0.00	0	94	0
DW-001	Sulfate	76	8.75	0	11.8	1.65	75	1	0
DW-001	Tetrachloroethene	106	0.00	0	0	0.00	0	106	0
DW-001	Toluene	106	0.00	0	0	0.00	0	106	0
DW-001	Total Dissolved Solids	2	189.00	188	190	1.41	2	0	0
DW-001	Total Organic Carbon	105	0.52	0	6.1	1.06	31	74	0
DW-001	Trichloroethene	106	0.00	0	0	0.00	0	106	0
DW-001	Vanadium	105	0.00	0	0.0058	0.00	1	104	0
DW-001	Vinyl Chloride	106	0.00	0	0	0.00	0	106	0
DW-001	Xylene	30	0.00	0	0	0.00	0	30	0
DW-001	Zinc	110	0.76	0.0321	7.18	1.05	110	0	0
DW-002	1,2-Dichloroethane	107	0.00	0	0	0.00	0	107	0
DW-002	1,2-Dichloropropane	107	0.00	0	0	0.00	0	107	0
DW-002	Acetone	108	0.05	0	5.63	0.54	1	107	0
DW-002	Alkalinity	123	155.35	144	180	5.94	123	0	0
DW-002	Ammonia	111	0.01	0	0.28	0.03	19	92	0
DW-002	Arsenic	107	0.00	0	0	0.00	0	107	0
DW-002	Barium	135	0.04	0	0.044	0.00	134	1	0
DW-002	Benzene	107	0.00	0	0	0.00	0	107	0
DW-002	bis(2-Ethylhexyl)Phthalate	38	0.11	0	1.7	0.40	3	35	0
DW-002	Chloride	125	9.53	4.93	14.6	1.96	125	0	0
DW-002	cis-1,2-dichloroethene	104	0.00	0	0	0.00	0	104	0
DW-002	Ethylbenzene	98	0.00	0	0	0.00	0	98	0
DW-002	Lead	108	0.00	0	0.023	0.00	4	104	0
DW-002	m,p-Xylene	69	0.00	0	0.15	0.02	1	68	0
DW-002	Manganese	114	0.00	0	0.0328	0.01	54	60	0
DW-002	Mercury	107	0.00	0	0	0.00	0	107	0
DW-002	Methylene Chloride	108	0.00	0	0.12	0.01	1	107	0
DW-002	N-Nitrate	125	1.32	0.721	2.32	0.26	125	0	0
DW-002	o-Xylene	95	0.00	0	0	0.00	0	95	0
DW-002	Sulfate	100	5.55	0	8.1	0.87	99	1	0
DW-002	Tetrachloroethene	107	0.00	0	0	0.00	0	107	0
DW-002	Toluene	107	0.05	0	5.24	0.51	2	105	0
DW-002	Total Dissolved Solids	4	211.00	200	220	8.41	4	0	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
DW-002	Total Organic Carbon	117	0.55	0	13.1	1.39	39	78	0
DW-002	Trichloroethene	107	0.00	0	0	0.00	0	107	0
DW-002	Vanadium	107	0.00	0	0.0054	0.00	1	106	0
DW-002	Vinyl Chloride	107	0.00	0	0	0.00	0	107	0
DW-002	Xylene	30	0.00	0	0	0.00	0	30	0
DW-002	Zinc	124	0.10	0	1.2	0.22	84	40	0
DW-003	1,2-Dichloroethane	109	0.00	0	0	0.00	0	109	0
DW-003	1,2-Dichloropropane	109	0.00	0	0	0.00	0	109	0
DW-003	Acetone	109	0.00	0	0	0.00	0	109	0
DW-003	Alkalinity	115	184.18	167	207	6.51	115	0	0
DW-003	Ammonia	109	0.02	0	1.94	0.19	22	87	0
DW-003	Arsenic	106	0.00	0	0	0.00	0	106	0
DW-003	Barium	116	0.03	0	0.0321	0.00	115	1	0
DW-003	Benzene	109	0.00	0	0	0.00	0	109	0
DW-003	bis(2-Ethylhexyl)Phthalate	38	0.31	0	8.2	1.39	3	35	1
DW-003	Chloride	114	0.99	0	22	2.07	99	15	0
DW-003	cis-1,2-dichloroethene	106	0.00	0	0	0.00	0	106	0
DW-003	Ethylbenzene	100	0.00	0	0	0.00	0	100	0
DW-003	Lead	107	0.00	0	0.007	0.00	32	75	0
DW-003	m,p-Xylene	69	0.00	0	0	0.00	0	69	0
DW-003	Manganese	108	0.00	0	0.0024	0.00	6	102	0
DW-003	Mercury	106	0.00	0	0	0.00	0	106	0
DW-003	Methylene Chloride	109	0.00	0	0.3	0.03	1	108	0
DW-003	N-Nitrate	114	1.03	0	7.4	1.13	113	1	0
DW-003	o-Xylene	97	0.00	0	0	0.00	0	97	0
DW-003	Sulfate	84	0.85	0	2.38	0.56	78	6	0
DW-003	Tetrachloroethene	109	0.00	0	0	0.00	0	109	0
DW-003	Toluene	109	0.00	0	0	0.00	0	109	0
DW-003	Total Dissolved Solids	4	220.25	200	251	22.07	4	0	0
DW-003	Total Organic Carbon	107	0.22	0	3.3	0.61	15	92	0
DW-003	Trichloroethene	109	0.00	0	0	0.00	0	109	0
DW-003	Vanadium	106	0.00	0	0.002	0.00	2	104	0
DW-003	Vinyl Chloride	109	0.00	0	0	0.00	0	109	0
DW-003	Xylene	31	0.00	0	0	0.00	0	31	0
DW-003	Zinc	118	0.23	0.04	0.774	0.13	118	0	0
MS-004	1,2-Dichloroethane	107	0.00	0	0	0.00	0	107	0
MS-004	1,2-Dichloropropane	107	0.00	0	0	0.00	0	107	0
MS-004	Acetone	107	0.00	0	0	0.00	0	107	0
MS-004	Alkalinity	76	88.14	47	185	36.32	76	0	0
MS-004	Ammonia	106	0.07	0	3.41	0.37	23	83	0
MS-004	Arsenic	106	0.00	0	0.006	0.00	3	103	0
MS-004	Barium	106	0.05	0	0.114	0.02	105	1	0
MS-004	Benzene	107	0.00	0	0	0.00	0	107	0
MS-004	bis(2-Ethylhexyl)Phthalate	56	0.99	0	11.1	2.05	17	39	2
MS-004	Chloride	75	0.96	0	23	2.80	55	20	0
MS-004	cis-1,2-dichloroethene	104	0.00	0	0	0.00	0	104	0
MS-004	Ethylbenzene	98	0.00	0	0	0.00	0	98	0
MS-004	Lead	106	0.00	0	0.028	0.00	12	94	0
MS-004	m,p-Xylene	68	0.00	0	0	0.00	0	68	0
MS-004	Manganese	106	0.02	0	0.234	0.04	82	24	0
MS-004	Mercury	106	0.00	0	0.00115	0.00	1	105	0
MS-004	Methylene Chloride	107	0.00	0	0	0.00	0	107	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MS-004	N-Nitrate	76	4.99	0.911	10.7	2.40	76	0	0
MS-004	o-Xylene	95	0.00	0	0	0.00	0	95	0
MS-004	Sulfate	75	10.71	4.1	20	2.41	75	0	0
MS-004	Tetrachloroethene	107	0.00	0	0	0.00	0	107	0
MS-004	Toluene	107	0.00	0	0	0.00	0	107	0
MS-004	Total Dissolved Solids	74	172.18	78	296	45.12	74	0	0
MS-004	Total Organic Carbon	106	1.13	0	3.7	0.92	75	31	0
MS-004	Trichloroethene	107	0.00	0	0	0.00	0	107	0
MS-004	Vanadium	106	0.00	0	0.004	0.00	5	101	0
MS-004	Vinyl Chloride	107	0.00	0	0	0.00	0	107	0
MS-004	Xylene	30	0.00	0	0	0.00	0	30	0
MS-004	Zinc	106	0.00	0	0.217	0.02	17	89	0
MS-005	1,2-Dichloroethane	107	0.00	0	0	0.00	0	107	0
MS-005	1,2-Dichloropropane	108	0.00	0	0.2	0.02	3	105	0
MS-005	Acetone	107	0.03	0	3.4	0.33	1	106	0
MS-005	Alkalinity	93	135.99	92.6	176	24.09	93	0	0
MS-005	Ammonia	121	0.01	0	0.526	0.05	23	98	0
MS-005	Arsenic	108	0.00	0	0.0012	0.00	2	106	0
MS-005	Barium	132	0.08	0.0378	0.121	0.02	132	0	0
MS-005	Benzene	107	0.00	0	0	0.00	0	107	0
MS-005	bis(2-Ethylhexyl)Phthalate	44	0.38	0	7.3	1.35	5	39	1
MS-005	Chloride	99	43.41	3	86.5	21.36	99	0	0
MS-005	cis-1,2-dichloroethene	106	0.12	0	0.6	0.20	31	75	0
MS-005	Ethylbenzene	98	0.00	0	0	0.00	0	98	0
MS-005	Lead	108	0.00	0	0	0.00	0	108	0
MS-005	m,p-Xylene	68	0.00	0	0	0.00	0	68	0
MS-005	Manganese	118	0.00	0	0.0229	0.00	25	93	0
MS-005	Mercury	108	0.00	0	0	0.00	0	108	0
MS-005	Methylene Chloride	112	0.25	0	1.4	0.42	34	78	0
MS-005	N-Nitrate	93	4.97	0.85	17.1	3.54	93	0	0
MS-005	o-Xylene	95	0.00	0	0	0.00	0	95	0
MS-005	Sulfate	89	27.43	9.8	61.1	13.63	89	0	0
MS-005	Tetrachloroethene	111	0.16	0	0.9	0.24	39	72	1
MS-005	Toluene	107	0.00	0	0	0.00	0	107	0
MS-005	Total Dissolved Solids	96	360.80	103	1000	113.66	96	0	0
MS-005	Total Organic Carbon	138	1.78	0	12.2	1.45	116	22	0
MS-005	Trichloroethene	111	0.40	0	1.6	0.52	46	65	0
MS-005	Vanadium	110	0.00	0	0.0052	0.00	17	93	0
MS-005	Vinyl Chloride	107	0.00	0	0	0.00	0	107	0
MS-005	Xylene	30	0.00	0	0	0.00	0	30	0
MS-005	Zinc	108	0.00	0	0.153	0.02	13	95	0
MS-007	Alkalinity	31	379.77	265	1200	164.79	31	0	0
MS-007	Ammonia	37	1.23	0.5	1.8	0.37	37	0	0
MS-007	Arsenic	31	0.02	0	0.0385	0.01	30	1	0
MS-007	Barium	31	0.14	0.111	0.208	0.02	31	0	0
MS-007	Chloride	37	10.43	3.2	21	5.27	37	0	0
MS-007	Manganese	37	7.73	6.2	10.7	1.04	37	0	0
MS-007	Sulfate	31	2.19	0	7.5	2.54	17	14	0
MS-007	Total Dissolved Solids	31	388.55	280	616	71.27	31	0	0
MS-007	Total Organic Carbon	37	8.50	0	24.3	3.97	35	2	0
MS-007	Vanadium	2	0.00	0	0	0.00	0	2	0
MS-007	Zinc	31	0.00	0	0.018	0.01	9	22	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-009	1,2-Dichloroethane	107	0.02	0	2	0.19	1	106	1
MW-009	1,2-Dichloropropane	107	0.00	0	0	0.00	0	107	0
MW-009	Acetone	107	0.25	0	26.5	2.56	1	106	0
MW-009	Alkalinity	90	263.00	181	440	51.27	90	0	0
MW-009	Ammonia	112	0.01	0	0.64	0.06	25	87	0
MW-009	Arsenic	107	0.00	0	0.0015	0.00	2	105	0
MW-009	Barium	133	0.12	0.079	0.195	0.03	133	0	0
MW-009	Benzene	107	0.02	0	2.1	0.20	1	106	1
MW-009	bis(2-Ethylhexyl)Phthalate	42	0.04	0	0.85	0.17	2	40	0
MW-009	Chloride	99	49.05	7.98	160	40.62	99	0	0
MW-009	cis-1,2-dichloroethene	104	0.08	0	2.6	0.28	17	87	0
MW-009	Ethylbenzene	98	0.02	0	1.9	0.19	1	97	0
MW-009	Lead	106	0.00	0	0.0079	0.00	5	101	0
MW-009	m,p-Xylene	68	0.00	0	0	0.00	0	68	0
MW-009	Manganese	134	0.71	0.139	1.87	0.39	134	0	0
MW-009	Mercury	107	0.00	0	0.00014	0.00	4	103	0
MW-009	Methylene Chloride	109	0.01	0	1	0.10	3	106	0
MW-009	N-Nitrate	89	0.07	0	0.92	0.15	47	42	0
MW-009	o-Xylene	95	0.02	0	2	0.21	1	94	0
MW-009	Sulfate	93	10.22	2	35.5	8.29	93	0	0
MW-009	Tetrachloroethene	107	0.00	0	0	0.00	0	107	0
MW-009	Toluene	107	0.02	0	2	0.19	1	106	0
MW-009	Total Dissolved Solids	100	375.76	207	680	126.77	100	0	0
MW-009	Total Organic Carbon	135	4.05	0	153	12.99	130	5	0
MW-009	Trichloroethene	107	0.03	0	2.2	0.22	4	103	0
MW-009	Vanadium	109	0.00	0	0.0053	0.00	8	101	0
MW-009	Vinyl Chloride	107	0.02	0	1.8	0.17	2	105	2
MW-009	Xylene	30	0.00	0	0	0.00	0	30	0
MW-009	Zinc	111	0.00	0	0.0214	0.00	9	102	0
MW-010	1,2-Dichloroethane	107	0.00	0	0	0.00	0	107	0
MW-010	1,2-Dichloropropane	107	0.00	0	0	0.00	0	107	0
MW-010	Acetone	107	0.03	0	2.8	0.27	1	106	0
MW-010	Alkalinity	80	84.13	62	100	6.35	80	0	0
MW-010	Ammonia	108	0.01	0	0.86	0.08	16	92	0
MW-010	Arsenic	105	0.00	0	0	0.00	0	105	0
MW-010	Barium	111	0.04	0.0188	0.0489	0.00	111	0	0
MW-010	Benzene	107	0.00	0	0.2	0.02	1	106	0
MW-010	bis(2-Ethylhexyl)Phthalate	13	0.00	0	0	0.00	0	13	0
MW-010	Chloride	77	0.57	0	5.8	0.84	56	21	0
MW-010	cis-1,2-dichloroethene	104	0.00	0	0.5	0.05	1	103	0
MW-010	Ethylbenzene	98	0.00	0	0	0.00	0	98	0
MW-010	Lead	107	0.00	0	0.002	0.00	2	105	0
MW-010	m,p-Xylene	68	0.00	0	0	0.00	0	68	0
MW-010	Manganese	105	0.00	0	0.003	0.00	6	99	0
MW-010	Mercury	105	0.00	0	0	0.00	0	105	0
MW-010	Methylene Chloride	107	0.00	0	0	0.00	0	107	0
MW-010	N-Nitrate	77	0.24	0.028	0.365	0.04	77	0	0
MW-010	o-Xylene	96	0.01	0	0.4	0.05	2	94	0
MW-010	Sulfate	76	0.89	0	5.2	1.06	55	21	0
MW-010	Tetrachloroethene	107	0.00	0	0	0.00	0	107	0
MW-010	Toluene	108	0.01	0	0.9	0.10	3	105	0
MW-010	Total Dissolved Solids	81	113.72	69	160	14.18	81	0	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-010	Total Organic Carbon	105	0.13	0	2.8	0.49	8	97	0
MW-010	Trichloroethene	107	0.00	0	0	0.00	0	107	0
MW-010	Vanadium	105	0.00	0	0	0.00	0	105	0
MW-010	Vinyl Chloride	107	0.00	0	0	0.00	0	107	0
MW-010	Xylene	31	0.06	0	1	0.23	2	29	0
MW-010	Zinc	108	0.00	0	0.007	0.00	8	100	0
MW-011	Alkalinity	28	2184.29	1100	4400	792.26	28	0	0
MW-011	Ammonia	34	192.08	51	480	104.94	34	0	0
MW-011	Arsenic	27	0.02	0	0.046	0.01	26	1	0
MW-011	Barium	28	2.66	1.14	4.8	1.04	28	0	0
MW-011	Chloride	34	6209.12	620	12300	2779.12	34	0	0
MW-011	Manganese	34	17.96	1.09	68	17.18	34	0	0
MW-011	Sulfate	27	34.60	0	300	66.19	22	5	0
MW-011	Total Dissolved Solids	28	14513.93	2500	26000	5852.09	28	0	0
MW-011	Total Organic Carbon	34	1284.18	110	6900	1499.33	34	0	0
MW-011	Zinc	28	0.27	0	6.7	1.26	17	11	0
MW-012	Alkalinity	9	140.89	110	170	25.93	9	0	0
MW-012	Ammonia	9	0.02	0	0.084	0.03	3	6	0
MW-012	Arsenic	9	0.00	0	0	0.00	0	9	0
MW-012	Barium	9	0.04	0.0292	0.05	0.01	9	0	0
MW-012	Chloride	9	5.32	4	6.8	0.87	9	0	0
MW-012	Lead	9	0.00	0	0.001	0.00	1	8	0
MW-012	Manganese	9	0.00	0	0.025	0.01	5	4	0
MW-012	Mercury	9	0.00	0	0	0.00	0	9	0
MW-012	N-Nitrate	9	0.71	0.247	1.1	0.24	9	0	0
MW-012	Sulfate	9	10.63	6.3	17	3.53	9	0	0
MW-012	Total Dissolved Solids	9	256.33	167	370	58.66	9	0	0
MW-012	Total Organic Carbon	9	3.35	0	6.4	1.87	8	1	0
MW-012	Vanadium	9	0.00	0	0.003	0.00	1	8	0
MW-012	Zinc	9	0.00	0	0.016	0.01	4	5	0
MW-013	1,2-Dichloroethane	61	0.00	0	0	0.00	0	61	0
MW-013	1,2-Dichloropropane	61	0.00	0	0	0.00	0	61	0
MW-013	Acetone	62	0.33	0	8	1.34	4	58	0
MW-013	Alkalinity	57	192.55	44.6	228	33.00	57	0	0
MW-013	Ammonia	54	0.01	0	0.158	0.02	6	48	0
MW-013	Arsenic	54	0.00	0	0.007	0.00	3	51	0
MW-013	Barium	56	0.06	0.04	0.141	0.02	56	0	0
MW-013	Benzene	61	0.01	0	0.63	0.08	1	60	0
MW-013	bis(2-Ethylhexyl)Phthalate	13	0.00	0	0	0.00	0	13	0
MW-013	Chloride	55	9.69	1.3	14	3.23	55	0	0
MW-013	cis-1,2-dichloroethene	59	0.01	0	0.2	0.04	3	56	0
MW-013	Ethylbenzene	56	0.00	0	0	0.00	0	56	0
MW-013	Lead	54	0.00	0	0.039	0.01	8	46	0
MW-013	m,p-Xylene	41	0.00	0	0	0.00	0	41	0
MW-013	Manganese	54	0.01	0	0.061	0.01	15	39	0
MW-013	Mercury	54	0.00	0	0	0.00	0	54	0
MW-013	Methylene Chloride	61	0.66	0	2.6	0.97	21	40	0
MW-013	N-Nitrate	55	1.85	0.197	6.58	1.72	55	0	0
MW-013	o-Xylene	54	0.00	0	0	0.00	0	54	0
MW-013	Sulfate	55	5.59	0	10.4	1.88	54	1	0
MW-013	Tetrachloroethene	62	0.57	0	1.6	0.48	40	22	21
MW-013	Toluene	62	0.02	0	0.7	0.10	3	59	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-013	Total Dissolved Solids	55	254.27	121	327	41.44	55	0	0
MW-013	Total Organic Carbon	55	1.27	0	4.7	0.97	42	13	0
MW-013	Trichloroethene	61	0.17	0	0.7	0.25	21	40	0
MW-013	Vanadium	54	0.00	0	0	0.00	0	54	0
MW-013	Vinyl Chloride	61	0.00	0	0	0.00	0	61	0
MW-013	Xylene	15	0.00	0	0	0.00	0	15	0
MW-013	Zinc	54	0.00	0	0.08	0.01	11	43	0
MW-014	1,2-Dichloroethane	107	0.00	0	0	0.00	0	107	0
MW-014	1,2-Dichloropropane	107	0.00	0	0	0.00	0	107	0
MW-014	Acetone	107	0.00	0	0	0.00	0	107	0
MW-014	Alkalinity	78	76.30	62	85.2	3.36	78	0	0
MW-014	Ammonia	114	0.01	0	0.58	0.06	23	91	0
MW-014	Arsenic	108	0.00	0	0.006	0.00	12	96	0
MW-014	Barium	107	0.00	0	0.052	0.01	7	100	0
MW-014	Benzene	107	0.01	0	0.7	0.07	2	105	0
MW-014	bis(2-Ethylhexyl)Phthalate	13	0.14	0	1.8	0.50	1	12	0
MW-014	Chloride	83	1.04	0	7.1	1.06	70	13	0
MW-014	cis-1,2-dichloroethene	104	0.00	0	0	0.00	0	104	0
MW-014	Ethylbenzene	98	0.01	0	0.5	0.05	1	97	0
MW-014	Lead	107	0.00	0	0.0127	0.00	9	98	0
MW-014	m,p-Xylene	68	0.00	0	0	0.00	0	68	0
MW-014	Manganese	114	0.20	0.0505	1.78	0.23	114	0	0
MW-014	Mercury	107	0.00	0	0.0002	0.00	1	106	0
MW-014	Methylene Chloride	107	0.00	0	0	0.00	0	107	0
MW-014	N-Nitrate	76	0.00	0	0.059	0.01	12	64	0
MW-014	o-Xylene	95	0.02	0	1.5	0.16	2	93	0
MW-014	Sulfate	77	9.27	5.2	13	1.20	77	0	0
MW-014	Tetrachloroethene	107	0.00	0	0	0.00	0	107	0
MW-014	Toluene	107	0.03	0	1.6	0.20	3	104	0
MW-014	Total Dissolved Solids	76	122.07	72	166	16.13	76	0	0
MW-014	Total Organic Carbon	114	0.21	0	3.5	0.60	15	99	0
MW-014	Trichloroethene	107	0.00	0	0	0.00	0	107	0
MW-014	Vanadium	107	0.00	0	0.00115	0.00	1	106	0
MW-014	Vinyl Chloride	107	0.00	0	0	0.00	0	107	0
MW-014	Xylene	30	0.12	0	2.9	0.54	2	28	0
MW-014	Zinc	108	0.00	0	0.156	0.02	14	94	0
MW-015	1,2-Dichloroethane	27	0.00	0	0	0.00	0	27	0
MW-015	1,2-Dichloropropane	27	0.00	0	0	0.00	0	27	0
MW-015	Acetone	27	0.07	0	1.8	0.35	1	26	0
MW-015	Alkalinity	27	16.83	6.6	39	6.35	27	0	0
MW-015	Ammonia	27	0.03	0	0.56	0.11	9	18	0
MW-015	Arsenic	27	0.00	0	0	0.00	0	27	0
MW-015	Barium	27	0.01	0	0.015	0.00	24	3	0
MW-015	Benzene	27	0.05	0	0.7	0.16	3	24	0
MW-015	bis(2-Ethylhexyl)Phthalate	12	0.00	0	0	0.00	0	12	0
MW-015	Chloride	27	1.88	1	2.9	0.53	27	0	0
MW-015	cis-1,2-dichloroethene	26	0.00	0	0	0.00	0	26	0
MW-015	Ethylbenzene	26	0.02	0	0.5	0.10	1	25	0
MW-015	Lead	27	0.00	0	0.001	0.00	5	22	0
MW-015	Manganese	27	0.00	0	0.012	0.00	21	6	0
MW-015	Mercury	27	0.00	0	0	0.00	0	27	0
MW-015	Methylene Chloride	27	0.00	0	0	0.00	0	27	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-015	N-Nitrate	27	1.37	0.41	2.2	0.43	27	0	0
MW-015	o-Xylene	25	0.04	0	0.7	0.14	2	23	0
MW-015	Sulfate	27	4.60	0	8.7	2.27	24	3	0
MW-015	Tetrachloroethene	27	0.00	0	0	0.00	0	27	0
MW-015	Toluene	27	0.24	0	3.5	0.69	7	20	0
MW-015	Total Dissolved Solids	27	75.89	35	100	15.61	27	0	0
MW-015	Total Organic Carbon	27	2.53	0	8.3	1.70	23	4	0
MW-015	Trichloroethene	27	0.00	0	0	0.00	0	27	0
MW-015	Vanadium	27	0.00	0	0	0.00	0	27	0
MW-015	Vinyl Chloride	27	0.00	0	0	0.00	0	27	0
MW-015	Xylene	26	0.10	0	2	0.40	2	24	0
MW-015	Zinc	27	0.00	0	0.01	0.00	7	20	0
MW-016	1,2-Dichloroethane	135	2.22	0	14.9	1.82	98	37	96
MW-016	1,2-Dichloropropane	136	11.88	0	18.6	4.59	128	8	128
MW-016	Acetone	139	3349.68	0	14300	2274.09	136	3	116
MW-016	Alkalinity	90	1330.73	369	1890	368.59	90	0	0
MW-016	Ammonia	144	0.15	0	0.484	0.13	123	21	0
MW-016	Arsenic	140	0.04	0	0.0723	0.02	137	3	0
MW-016	Barium	140	0.71	0.0928	0.899	0.13	140	0	0
MW-016	Benzene	137	13.12	0	21.3	4.74	131	6	131
MW-016	Chloride	94	94.74	2	169	57.09	94	0	0
MW-016	cis-1,2-dichloroethene	135	67.99	0	148	47.13	132	3	86
MW-016	Ethylbenzene	127	54.66	0	86.4	17.77	125	2	0
MW-016	Lead	93	0.00	0	0.0129	0.00	9	84	0
MW-016	m,p-Xylene	91	43.72	24.4	61.6	7.28	91	0	0
MW-016	Manganese	147	6.78	0.15	17.5	5.46	147	0	0
MW-016	Mercury	92	0.00	0	0.0034	0.00	3	89	0
MW-016	Methylene Chloride	133	89.09	0	560	146.51	70	63	56
MW-016	N-Nitrate	53	0.67	0	22.1	3.08	17	36	0
MW-016	o-Xylene	124	19.51	0	31.6	6.19	122	2	0
MW-016	Sulfate	87	2.87	0	24	4.86	60	27	0
MW-016	Tetrachloroethene	123	0.84	0	17	2.64	22	101	19
MW-016	Toluene	138	67.25	0	160	38.45	136	2	28
MW-016	Total Dissolved Solids	89	1856.27	375	2943	656.10	89	0	0
MW-016	Total Organic Carbon	145	281.10	4.44	770	207.67	145	0	0
MW-016	Trichloroethene	137	16.43	0	96	22.95	110	27	88
MW-016	Vanadium	94	0.00	0	0.0191	0.00	6	88	0
MW-016	Vinyl Chloride	138	7.17	0	17.1	4.96	118	20	118
MW-016	Xylene	36	32.38	0	55.9	15.57	35	1	0
MW-016	Zinc	123	0.00	0	0.11	0.01	13	110	0
MW-018	1,2-Dichloroethane	30	0.00	0	0	0.00	0	30	0
MW-018	1,2-Dichloropropane	30	0.00	0	0	0.00	0	30	0
MW-018	Acetone	30	0.55	0	9	1.86	3	27	0
MW-018	Alkalinity	30	82.66	45	98	8.78	30	0	0
MW-018	Ammonia	30	0.01	0	0.18	0.03	10	20	0
MW-018	Arsenic	30	0.00	0	0.0026	0.00	26	4	0
MW-018	Barium	30	0.01	0	0.016	0.00	26	4	0
MW-018	Benzene	30	0.12	0	1	0.29	6	24	3
MW-018	bis(2-Ethylhexyl)Phthalate	14	0.16	0	1.2	0.42	2	12	0
MW-018	Chloride	30	7.21	3.06	26	5.56	30	0	0
MW-018	cis-1,2-dichloroethene	27	0.00	0	0	0.00	0	27	0
MW-018	Ethylbenzene	28	0.00	0	0	0.00	0	28	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-018	Lead	30	0.00	0	0.001	0.00	1	29	0
MW-018	Manganese	30	0.01	0	0.0257	0.01	26	4	0
MW-018	Mercury	30	0.00	0	0	0.00	0	30	0
MW-018	Methylene Chloride	30	0.00	0	0	0.00	0	30	0
MW-018	N-Nitrate	29	0.02	0	0.064	0.02	15	14	0
MW-018	o-Xylene	25	0.03	0	0.3	0.09	3	22	0
MW-018	Sulfate	30	7.42	3.4	11	1.59	30	0	0
MW-018	Tetrachloroethene	30	0.00	0	0	0.00	0	30	0
MW-018	Toluene	30	0.40	0	5	1.07	7	23	0
MW-018	Total Dissolved Solids	30	125.37	88	176	18.75	30	0	0
MW-018	Total Organic Carbon	30	0.32	0	3	0.86	4	26	0
MW-018	Trichloroethene	30	0.00	0	0	0.00	0	30	0
MW-018	Vanadium	30	0.00	0	0	0.00	0	30	0
MW-018	Vinyl Chloride	30	0.00	0	0	0.00	0	30	0
MW-018	Xylene	28	0.35	0	6	1.18	5	23	0
MW-018	Zinc	30	0.00	0	0.012	0.00	6	24	0
MW-019R	1,2-Dichloroethane	76	0.00	0	0.2	0.03	2	74	0
MW-019R	1,2-Dichloropropane	76	0.00	0	0.1	0.01	1	75	0
MW-019R	Acetone	76	0.00	0	0	0.00	0	76	0
MW-019R	Alkalinity	71	183.11	101	246	50.61	71	0	0
MW-019R	Ammonia	102	0.02	0	1.21	0.12	19	83	0
MW-019R	Arsenic	102	0.00	0	0.005	0.00	3	99	0
MW-019R	Barium	102	0.08	0.0288	0.201	0.03	102	0	0
MW-019R	Benzene	76	0.05	0	3.2	0.37	2	74	1
MW-019R	Chloride	71	32.64	5.13	64	19.99	71	0	0
MW-019R	cis-1,2-dichloroethene	76	0.57	0	3.08	0.88	27	49	0
MW-019R	Ethylbenzene	69	0.00	0	0	0.00	0	69	0
MW-019R	Lead	75	0.00	0	0.0081	0.00	4	71	0
MW-019R	m,p-Xylene	67	0.01	0	0.69	0.08	1	66	0
MW-019R	Manganese	102	0.02	0	0.436	0.06	81	21	0
MW-019R	Mercury	75	0.00	0	0	0.00	0	75	0
MW-019R	Methylene Chloride	76	0.00	0	0.2	0.02	1	75	0
MW-019R	N-Nitrate	45	1.38	0.91	1.68	0.13	45	0	0
MW-019R	o-Xylene	69	0.00	0	0	0.00	0	69	0
MW-019R	Sulfate	71	14.08	4.28	77	15.12	71	0	0
MW-019R	Tetrachloroethene	76	0.05	0	0.52	0.14	8	68	0
MW-019R	Toluene	76	0.06	0	3.34	0.39	3	73	0
MW-019R	Total Dissolved Solids	70	289.73	117	450	93.39	70	0	0
MW-019R	Total Organic Carbon	102	2.59	0	9	1.49	96	6	0
MW-019R	Trichloroethene	76	0.06	0	0.6	0.17	9	67	0
MW-019R	Vanadium	75	0.00	0	0	0.00	0	75	0
MW-019R	Vinyl Chloride	76	0.17	0	2.28	0.42	13	63	13
MW-019R	Xylene	2	0.00	0	0	0.00	0	2	0
MW-019R	Zinc	102	0.01	0	0.147	0.02	28	74	0
MW-020	1,2-Dichloroethane	61	0.00	0	0	0.00	0	61	0
MW-020	1,2-Dichloropropane	61	0.00	0	0	0.00	0	61	0
MW-020	Acetone	61	0.40	0	10	1.78	4	57	0
MW-020	Alkalinity	56	258.00	161	307	32.79	56	0	0
MW-020	Ammonia	54	0.01	0	0.132	0.02	6	48	0
MW-020	Arsenic	56	0.00	0	0.009	0.00	30	26	0
MW-020	Barium	57	0.26	0.0542	0.763	0.14	57	0	0
MW-020	Benzene	61	0.01	0	0.14	0.03	3	58	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-020	Chloride	57	12.69	0	27.5	6.53	56	1	0
MW-020	cis-1,2-dichloroethene	59	0.02	0	0.33	0.08	4	55	0
MW-020	Ethylbenzene	56	0.00	0	0	0.00	0	56	0
MW-020	Lead	56	0.02	0	0.066	0.02	41	15	0
MW-020	m,p-Xylene	41	0.00	0	0	0.00	0	41	0
MW-020	Manganese	57	0.12	0	0.434	0.10	51	6	0
MW-020	Mercury	54	0.00	0	0.00021	0.00	1	53	0
MW-020	Methylene Chloride	61	0.54	0	2.3	0.82	19	42	0
MW-020	N-Nitrate	57	5.59	0.13	8.54	2.38	57	0	0
MW-020	o-Xylene	54	0.01	0	0.34	0.06	2	52	0
MW-020	Sulfate	56	12.80	0	27.8	5.93	55	1	0
MW-020	Tetrachloroethene	61	0.02	0	0.21	0.06	6	55	0
MW-020	Toluene	61	0.02	0	1	0.14	2	59	0
MW-020	Total Dissolved Solids	57	372.30	200	784	94.48	57	0	0
MW-020	Total Organic Carbon	57	2.15	0	6.8	1.30	53	4	0
MW-020	Trichloroethene	61	0.08	0	0.5	0.15	14	47	0
MW-020	Vanadium	54	0.00	0	0.0177	0.00	11	43	0
MW-020	Vinyl Chloride	61	0.01	0	0.5	0.07	3	58	3
MW-020	Xylene	15	0.09	0	1	0.27	2	13	0
MW-020	Zinc	56	0.04	0	0.129	0.03	49	7	0
MW-023	1,2-Dichloroethane	148	1.07	0	2.4	0.69	120	28	65
MW-023	1,2-Dichloropropane	144	0.75	0	1.34	0.39	120	24	97
MW-023	Acetone	117	0.58	0	7.36	1.45	19	98	0
MW-023	Alkalinity	121	501.75	0	757	146.99	120	1	0
MW-023	Ammonia	129	0.01	0	0.177	0.02	28	101	0
MW-023	Arsenic	117	0.00	0	0.00334	0.00	30	87	0
MW-023	Barium	164	0.20	0.0091	0.299	0.05	164	0	0
MW-023	Benzene	148	1.25	0	2.9	0.92	121	27	92
MW-023	bis(2-Ethylhexyl)Phthalate	16	0.51	0	3.7	1.21	3	13	0
MW-023	Chloride	125	86.14	1.38	188	51.66	125	0	0
MW-023	cis-1,2-dichloroethene	156	2.98	0	8.37	2.24	141	15	0
MW-023	Ethylbenzene	99	0.00	0	0	0.00	0	99	0
MW-023	Lead	114	0.00	0	0.023	0.00	12	102	0
MW-023	m,p-Xylene	69	0.02	0	0.68	0.10	2	67	0
MW-023	Manganese	165	0.53	0	1.21	0.49	152	13	0
MW-023	Mercury	111	0.00	0	0.0006	0.00	22	89	0
MW-023	Methylene Chloride	141	6.16	0	18.3	4.55	100	41	92
MW-023	N-Nitrate	103	1.77	0	8.04	1.93	73	30	0
MW-023	o-Xylene	128	3.68	0	13.9	3.98	87	41	0
MW-023	Sulfate	127	5.95	0	11	2.15	125	2	0
MW-023	Tetrachloroethene	130	1.95	0	9	2.52	65	65	62
MW-023	Toluene	109	0.00	0	0.22	0.02	1	108	0
MW-023	Total Dissolved Solids	124	697.70	385	1211	222.17	124	0	0
MW-023	Total Organic Carbon	178	5.00	0	60	6.60	172	6	0
MW-023	Trichloroethene	162	3.32	0	9.7	2.71	144	18	62
MW-023	Vanadium	122	0.00	0	0.00935	0.00	33	89	0
MW-023	Vinyl Chloride	150	1.07	0	3.8	0.88	120	30	120
MW-023	Xylene	35	0.31	0	1	0.36	16	19	0
MW-023	Zinc	114	0.00	0	0.0309	0.00	12	102	0
MW-024	Arsenic	15	0.00	0	0	0.00	0	15	0
MW-024	Barium	15	0.03	0	0.0497	0.01	14	1	0
MW-024	Lead	15	0.00	0	0	0.00	0	15	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-024	Manganese	15	0.00	0	0.0082	0.00	10	5	0
MW-024	Mercury	15	0.00	0	0	0.00	0	15	0
MW-024	Vanadium	15	0.00	0	0.00151	0.00	1	14	0
MW-024	Zinc	15	0.01	0	0.017	0.01	13	2	0
MW-025	Arsenic	15	0.00	0	0.0017	0.00	2	13	0
MW-025	Barium	15	0.06	0.052	0.061	0.00	15	0	0
MW-025	Lead	15	0.00	0	0.0022	0.00	3	12	0
MW-025	Manganese	15	0.00	0	0.005	0.00	4	11	0
MW-025	Mercury	15	0.00	0	0	0.00	0	15	0
MW-025	Vanadium	15	0.00	0	0.004	0.00	8	7	0
MW-025	Zinc	15	0.00	0	0	0.00	0	15	0
MW-026	Arsenic	15	0.00	0	0.001	0.00	1	14	0
MW-026	Barium	17	0.06	0.0513	0.065	0.00	17	0	0
MW-026	Lead	15	0.00	0	0.001	0.00	1	14	0
MW-026	Manganese	15	0.00	0	0.003	0.00	1	14	0
MW-026	Mercury	15	0.00	0	0	0.00	0	15	0
MW-026	Vanadium	16	0.00	0	0.00225	0.00	2	14	0
MW-026	Zinc	15	0.00	0	0.01	0.00	1	14	0
MW-027	Alkalinity	9	157.78	130	210	24.27	9	0	0
MW-027	Ammonia	9	0.00	0	0.029	0.01	1	8	0
MW-027	Arsenic	15	0.00	0	0.0016	0.00	2	13	0
MW-027	Barium	17	0.15	0.128	0.176	0.01	17	0	0
MW-027	Chloride	10	51.83	12	77	20.00	10	0	0
MW-027	Lead	15	0.00	0	0.001	0.00	1	14	0
MW-027	Manganese	15	0.00	0	0.0231	0.01	8	7	0
MW-027	Mercury	15	0.00	0	0	0.00	0	15	0
MW-027	N-Nitrate	10	0.90	0.59	1.9	0.39	10	0	0
MW-027	Sulfate	10	15.34	12	18	1.84	10	0	0
MW-027	Total Dissolved Solids	9	340.56	300	367	23.05	9	0	0
MW-027	Total Organic Carbon	10	1.73	0	3.9	1.45	7	3	0
MW-027	Vanadium	17	0.00	0	0.0045	0.00	8	9	0
MW-027	Zinc	17	0.00	0	0.011	0.00	4	13	0
MW-028	1,2-Dichloroethane	9	0.00	0	0	0.00	0	9	0
MW-028	1,2-Dichloropropane	9	0.00	0	0	0.00	0	9	0
MW-028	Acetone	9	0.00	0	0	0.00	0	9	0
MW-028	Alkalinity	9	181.67	140	240	33.54	9	0	0
MW-028	Ammonia	9	0.01	0	0.035	0.01	2	7	0
MW-028	Arsenic	15	0.00	0	0.0011	0.00	1	14	0
MW-028	Barium	15	0.09	0.0551	0.19	0.04	15	0	0
MW-028	Benzene	9	0.00	0	0	0.00	0	9	0
MW-028	bis(2-Ethylhexyl)Phthalate	8	0.00	0	0	0.00	0	8	0
MW-028	Chloride	9	36.01	1.1	160	55.99	9	0	0
MW-028	cis-1,2-dichloroethene	7	0.00	0	0	0.00	0	7	0
MW-028	Ethylbenzene	9	0.00	0	0	0.00	0	9	0
MW-028	Lead	15	0.00	0	0	0.00	0	15	0
MW-028	Manganese	15	0.00	0	0.003	0.00	2	13	0
MW-028	Mercury	15	0.00	0	0	0.00	0	15	0
MW-028	Methylene Chloride	9	0.00	0	0	0.00	0	9	0
MW-028	N-Nitrate	9	12.22	8.4	14.7	2.48	9	0	0
MW-028	o-Xylene	7	0.00	0	0	0.00	0	7	0
MW-028	Sulfate	9	17.31	14	21	2.52	9	0	0
MW-028	Tetrachloroethene	9	0.00	0	0	0.00	0	9	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-028	Toluene	9	0.00	0	0	0.00	0	9	0
MW-028	Total Dissolved Solids	9	374.33	294	620	121.62	9	0	0
MW-028	Total Organic Carbon	9	1.11	0	3.9	1.46	4	5	0
MW-028	Trichloroethene	9	0.00	0	0	0.00	0	9	0
MW-028	Vanadium	15	0.00	0	0.004	0.00	4	11	0
MW-028	Vinyl Chloride	9	0.00	0	0	0.00	0	9	0
MW-028	Xylene	9	0.00	0	0	0.00	0	9	0
MW-028	Zinc	15	0.00	0	0.007	0.00	2	13	0
MW-029	1,2-Dichloroethane	107	0.00	0	0	0.00	0	107	0
MW-029	1,2-Dichloropropane	107	0.00	0	0	0.00	0	107	0
MW-029	Acetone	107	0.05	0	3.78	0.40	2	105	0
MW-029	Alkalinity	76	58.37	26	311	37.34	76	0	0
MW-029	Ammonia	106	0.01	0	0.08	0.02	18	88	0
MW-029	Arsenic	106	0.00	0	0.001	0.00	1	105	0
MW-029	Barium	106	0.10	0.03	2.51	0.24	106	0	0
MW-029	Benzene	107	0.00	0	0	0.00	0	107	0
MW-029	bis(2-Ethylhexyl)Phthalate	42	1.75	0	71	10.95	3	39	1
MW-029	Chloride	76	110.37	38	176	48.50	76	0	0
MW-029	cis-1,2-dichloroethene	104	0.00	0	0	0.00	0	104	0
MW-029	Ethylbenzene	98	0.00	0	0.3	0.03	1	97	0
MW-029	Lead	106	0.00	0	0	0.00	0	106	0
MW-029	m,p-Xylene	68	0.00	0	0	0.00	0	68	0
MW-029	Manganese	106	0.01	0	1.17	0.11	29	77	0
MW-029	Mercury	106	0.00	0	0	0.00	0	106	0
MW-029	Methylene Chloride	107	0.00	0	0	0.00	0	107	0
MW-029	N-Nitrate	76	0.80	0	2.26	0.31	74	2	0
MW-029	o-Xylene	95	0.01	0	0.5	0.05	1	94	0
MW-029	Sulfate	75	5.27	0	9.9	1.73	72	3	0
MW-029	Tetrachloroethene	107	0.30	0	0.97	0.31	55	52	2
MW-029	Toluene	107	0.04	0	2	0.23	5	102	0
MW-029	Total Dissolved Solids	74	340.99	150	530	117.29	74	0	0
MW-029	Total Organic Carbon	106	0.30	0	5	0.81	18	88	0
MW-029	Trichloroethene	107	0.01	0	0.61	0.06	1	106	0
MW-029	Vanadium	106	0.00	0	0.00108	0.00	1	105	0
MW-029	Vinyl Chloride	107	0.00	0	0	0.00	0	107	0
MW-029	Xylene	30	0.14	0	3	0.59	2	28	0
MW-029	Zinc	106	0.00	0	0.02	0.00	10	96	0
MW-031	1,2-Dichloroethane	70	0.00	0	0	0.00	0	70	0
MW-031	1,2-Dichloropropane	70	0.00	0	0	0.00	0	70	0
MW-031	Acetone	71	0.03	0	1.4	0.20	2	69	0
MW-031	Alkalinity	49	121.74	31	280	87.80	49	0	0
MW-031	Ammonia	73	0.01	0	0.092	0.02	19	54	0
MW-031	Arsenic	71	0.00	0	0.0019	0.00	9	62	0
MW-031	Barium	73	0.08	0.03	0.15	0.03	73	0	0
MW-031	Benzene	70	0.00	0	0	0.00	0	70	0
MW-031	bis(2-Ethylhexyl)Phthalate	8	0.14	0	1.1	0.39	1	7	0
MW-031	Chloride	50	5.97	1	38	6.09	50	0	0
MW-031	cis-1,2-dichloroethene	70	0.00	0	0	0.00	0	70	0
MW-031	Ethylbenzene	65	0.00	0	0	0.00	0	65	0
MW-031	Lead	71	0.00	0	0.002	0.00	5	66	0
MW-031	m,p-Xylene	45	0.00	0	0	0.00	0	45	0
MW-031	Manganese	74	0.08	0	0.963	0.17	57	17	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-031	Mercury	70	0.00	0	0	0.00	0	70	0
MW-031	Methylene Chloride	70	0.00	0	0	0.00	0	70	0
MW-031	N-Nitrate	48	0.37	0	2.44	0.55	41	7	0
MW-031	o-Xylene	65	0.00	0	0	0.00	0	65	0
MW-031	Sulfate	50	5.73	0	17	3.10	49	1	0
MW-031	Tetrachloroethene	70	0.00	0	0	0.00	0	70	0
MW-031	Toluene	70	0.00	0	0.3	0.04	1	69	0
MW-031	Total Dissolved Solids	49	183.63	61	340	79.44	49	0	0
MW-031	Total Organic Carbon	74	4.89	0	15	2.16	73	1	0
MW-031	Trichloroethene	70	0.00	0	0	0.00	0	70	0
MW-031	Vanadium	71	0.00	0	0.0077	0.00	15	56	0
MW-031	Vinyl Chloride	70	0.00	0	0	0.00	0	70	0
MW-031	Xylene	20	0.00	0	0	0.00	0	20	0
MW-031	Zinc	72	0.00	0	0.013	0.00	14	58	0

APPENDIX C - DATA VALIDATION

Analytical data for the September 2024 sample round was reviewed using quality control (QC) criteria documented in the analytical method, *National Functional Guidelines for Organic Data Review and Inorganic Data Review (1994)*, and the *Work Plan for Interim Action Compliance Monitoring Mica Landfill Spokane County, Washington (October 1994)* as amended by the County and Ecology in February 2001.

After collecting the groundwater samples, County personnel packed the samples into coolers with ice and shipped them to their designated laboratories via United Parcel Service (UPS) on 9/10/2024. UPS experienced sortation delays with the coolers, and when the coolers were delivered, the internal temperatures were above the designated 0 – 6 degree C range for sample quality, and it was past the established holding times for the nitrate samples. All of the samples that exceeded the designated temperature range have been “T” qualified, and the nitrate samples that were past holding time upon arrival have been qualified as estimates:

Data Qualifier Summary for September 2024 Sampling Results

StationID	SampleDate	AnalyteAbbrev	AnalyteCat	Units	SampleID	RptLimit	Result	Qualifier
MW-020	3/5/2024	TOC	C	mg/L	GWMW-020-240305	1	1.17	J
MS-005	3/6/2024	N-NO3	C	mg/L	GWMS-005-240306	0.05	1.31	J
MW-016	3/6/2024	N-NO3	C	mg/L	GWMW-016-240306	0.05	0.05	UJ
MW-023	3/6/2024	N-NO3	C	mg/L	MWS-1-1-240306	0.05	0.05	UJ
MW-023	3/6/2024	N-NO3	C	mg/L	GWMW-023-240306	0.05	0.05	UJ
DW-001	9/10/2024	Ba	I	mg/L	GWDW-001-240910	0.004	0.0072	T
DW-001	9/10/2024	As	I	mg/L	GWDW-001-240910	0.001	0.00214	T
DW-001	9/10/2024	Zn	I	mg/L	GWDW-001-240910	0.01	0.0321	T
DW-001	9/10/2024	ALK	C	mg/L as Ca	GWDW-001-240910	1	145	T
DW-001	9/10/2024	N-NO3	C	mg/L	GWDW-001-240910	0.05	0.068	TJ
DW-001	9/10/2024	SO4	C	mg/L	GWDW-001-240910	0.3	11.5	T
DW-001	9/10/2024	Cl	C	mg/L	GWDW-001-240910	0.2	5.35	T
DW-002	9/10/2024	Ba	I	mg/L	GWDW-002-240910	0.004	0.037	T
DW-002	9/10/2024	SO4	C	mg/L	GWDW-002-240910	0.3	4.82	T
DW-002	9/10/2024	Cl	C	mg/L	GWDW-002-240910	0.2	8.78	T
DW-002	9/10/2024	ALK	C	mg/L as Ca	GWDW-002-240910	1	158	T
DW-002	9/10/2024	N-NO3	C	mg/L	GWDW-002-240910	0.05	0.903	TJ
DW-003	9/10/2024	Cl	C	mg/L	GWDW-003-240910	0.2	0.81	T
DW-003	9/10/2024	SO4	C	mg/L	GWDW-003-240910	0.3	1.73	T
DW-003	9/10/2024	Zn	I	mg/L	GWDW-003-240910	0.01	0.04	T
DW-003	9/10/2024	ALK	C	mg/L as Ca	GWDW-003-240910	1	179	T
DW-003	9/10/2024	N-NO3	C	mg/L	GWDW-003-240910	0.05	1.72	TJ
DW-003	9/10/2024	Ba	I	mg/L	GWDW-003-240910	0.004	0.0263	T
MS-004	9/10/2024	SO4	C	mg/L	GWMS-004-240910	0.3	10.4	T
MS-004	9/10/2024	TOC	C	mg/L	GWMS-004-240910	1	1.37	T

StationID	SampleDate	AnalyteAbbrev	AnalyteCat	Units	SampleID	RptLimit	Result	Qualifier
MS-004	9/10/2024	N-NO3	C	mg/L	GWMS-004-240910	0.5	9.66	TJ
MS-004	9/10/2024	Cl	C	mg/L	GWMS-004-240910	0.2	0.63	T
MS-004	9/10/2024	Ba	I	mg/L	GWMS-004-240910	0.004	0.0811	T
MS-004	9/10/2024	Mn	I	mg/L	GWMS-004-240910	0.008	0.0109	T
MS-004	9/10/2024	TDS	C	mg/L	GWMS-004-240910	10	279	T
MS-004	9/10/2024	ALK	C	mg/L as Ca	GWMS-004-240910	1	179	T
MW-009	9/10/2024	TOC	C	mg/L	GWMW-009-240910	1	1.95	T
MW-009	9/10/2024	N-NO3	C	mg/L	GWMW-009-240910	0.05	0.05	UTJ
MW-009	9/10/2024	ALK	C	mg/L as Ca	GWMW-009-240910	1	232	T
MW-009	9/10/2024	Cl	C	mg/L	GWMW-009-240910	2	15.2	T
MW-009	9/10/2024	Mn	I	mg/L	GWMW-009-240910	0.008	0.415	T
MW-009	9/10/2024	SO4	C	mg/L	GWMW-009-240910	0.3	3.1	T
MW-009	9/10/2024	Ba	I	mg/L	GWMW-009-240910	0.004	0.125	T
MW-009	9/10/2024	TDS	C	mg/L	GWMW-009-240910	10	267	T
MW-010	9/10/2024	SO4	C	mg/L	GWMW-010-240910	0.3	1.02	T
MW-010	9/10/2024	Cl	C	mg/L	GWMW-010-240910	0.2	0.5	T
MW-010	9/10/2024	Ba	I	mg/L	GWMW-010-240910	0.004	0.0443	T
MW-010	9/10/2024	N-NO3	C	mg/L	GWMW-010-240910	0.05	0.228	TJ
MW-010	9/10/2024	ALK	C	mg/L as Ca	GWMW-010-240910	1	96.7	T
MW-010	9/10/2024	TDS	C	mg/L	GWMW-010-240910	10	109	T
MW-013	9/10/2024	TDS	C	mg/L	GWMW-013-240910	10	222	T
MW-013	9/10/2024	Cl	C	mg/L	GWMW-013-240910	0.2	7.79	T
MW-013	9/10/2024	SO4	C	mg/L	GWMW-013-240910	0.3	2.97	T
MW-013	9/10/2024	N-NO3	C	mg/L	GWMW-013-240910	0.05	0.479	TJ
MW-013	9/10/2024	Ba	I	mg/L	GWMW-013-240910	0.004	0.0425	T
MW-013	9/10/2024	ALK	C	mg/L as Ca	GWMW-013-240910	1	184	T
MW-014	9/10/2024	Mn	I	mg/L	GWMW-014-240910	0.008	0.173	T
MW-014	9/10/2024	Cl	C	mg/L	GWMW-014-240910	0.2	0.81	T
MW-014	9/10/2024	As	I	mg/L	GWMW-014-240910	0.001	0.00165	T
MW-014	9/10/2024	SO4	C	mg/L	GWMW-014-240910	0.3	9.56	T
MW-014	9/10/2024	N-NO3	C	mg/L	GWMW-014-240910	0.05	0.05	UTJ
MW-014	9/10/2024	TDS	C	mg/L	GWMW-014-240910	10	121	T
MW-014	9/10/2024	ALK	C	mg/L as Ca	GWMW-014-240910	1	81.2	T
MW-019R	9/10/2024	TDS	C	mg/L	GWMW-019R-240910	10	156	T
MW-019R	9/10/2024	N-NO3	C	mg/L	GWMW-019R-240910	0.05	1.2	TJ
MW-019R	9/10/2024	ALK	C	mg/L as Ca	GWMW-019R-240910	1	101	T

StationID	SampleDate	AnalyteAbbrev	AnalyteCat	Units	SampleID	RptLimit	Result	Qualifier
MW-019R	9/10/2024	Cl	C	mg/L	GWMW-019R-240910	0.2	5.13	T
MW-019R	9/10/2024	Ba	I	mg/L	GWMW-019R-240910	0.004	0.0288	T
MW-019R	9/10/2024	TOC	C	mg/L	GWMW-019R-240910	1	1.21	T
MW-019R	9/10/2024	SO4	C	mg/L	GWMW-019R-240910	0.3	4.77	T
MW-020	9/10/2024	N-NO3	C	mg/L	MWS-1-1-240910	0.05	1.73	TJ
MW-020	9/10/2024	Ba	I	mg/L	MWS-1-1-240910	0.004	0.239	T
MW-020	9/10/2024	Mn	I	mg/L	MWS-1-1-240910	0.008	0.0959	T
MW-020	9/10/2024	TDS	C	mg/L	GWMW-020-240910	10	308	T
MW-020	9/10/2024	TOC	C	mg/L	MWS-1-1-240910	1	1.05	T
MW-020	9/10/2024	TOC	C	mg/L	GWMW-020-240910	1	1.15	T
MW-020	9/10/2024	ALK	C	mg/L as Ca	MWS-1-1-240910	1	220	T
MW-020	9/10/2024	ALK	C	mg/L as Ca	GWMW-020-240910	1	220	T
MW-020	9/10/2024	Cl	C	mg/L	MWS-1-1-240910	0.2	6.39	T
MW-020	9/10/2024	Ba	I	mg/L	GWMW-020-240910	0.004	0.237	T
MW-020	9/10/2024	Mn	I	mg/L	GWMW-020-240910	0.008	0.0934	T
MW-020	9/10/2024	Zn	I	mg/L	MWS-1-1-240910	0.01	0.0369	T
MW-020	9/10/2024	TDS	C	mg/L	MWS-1-1-240910	10	299	T
MW-020	9/10/2024	N-NO3	C	mg/L	GWMW-020-240910	0.05	1.84	TJ
MW-020	9/10/2024	Pb	I	mg/L	GWMW-020-240910	0.015	0.0194	T
MW-020	9/10/2024	Zn	I	mg/L	GWMW-020-240910	0.01	0.0357	T
MW-020	9/10/2024	Pb	I	mg/L	MWS-1-1-240910	0.015	0.0174	T
MW-020	9/10/2024	As	I	mg/L	GWMW-020-240910	0.001	0.00448	T
MW-020	9/10/2024	As	I	mg/L	MWS-1-1-240910	0.001	0.0044	T
MW-020	9/10/2024	SO4	C	mg/L	MWS-1-1-240910	0.3	4.75	T
MW-020	9/10/2024	SO4	C	mg/L	GWMW-020-240910	0.3	4.68	T
MW-020	9/10/2024	Cl	C	mg/L	GWMW-020-240910	0.2	6.64	T
MW-029	9/10/2024	TDS	C	mg/L	GWMW-029-240910	10	380	T
MW-029	9/10/2024	Cl	C	mg/L	GWMW-029-240910	5	135	T
MW-029	9/10/2024	Ba	I	mg/L	GWMW-029-240910	0.004	0.093	T
MW-029	9/10/2024	SO4	C	mg/L	GWMW-029-240910	0.3	7.51	T
MW-029	9/10/2024	N-NO3	C	mg/L	GWMW-029-240910	0.05	0.959	TJ
MW-029	9/10/2024	ALK	C	mg/L as Ca	GWMW-029-240910	1	111	T
MS-005	9/11/2024	Cl	C	mg/L	GWMS-005-240911	2	17.8	T
MS-005	9/11/2024	TOC	C	mg/L	GWMS-005-240911	1	1.32	T
MS-005	9/11/2024	ALK	C	mg/L as Ca	GWMS-005-240911	1	94.6	T
MS-005	9/11/2024	N-NO3	C	mg/L	GWMS-005-240911	0.05	1.24	TJ

StationID	SampleDate	AnalyteAbbrev	AnalyteCat	Units	SampleID	RptLimit	Result	Qualifier
MS-005	9/11/2024	TDS	C	mg/L	GWMS-005-240911	10	223	T
MS-005	9/11/2024	SO4	C	mg/L	GWMS-005-240911	0.3	13.1	T
MS-005	9/11/2024	Ba	I	mg/L	GWMS-005-240911	0.004	0.0378	T
MW-016	9/11/2024	As	I	mg/L	GWMW-016-240911	0.001	0.0657	T
MW-016	9/11/2024	ALK	C	mg/L as Ca	GWMW-016-240911	1	1240	T
MW-016	9/11/2024	Mn	I	mg/L	GWMW-016-240911	0.008	0.519	T
MW-016	9/11/2024	Ba	I	mg/L	GWMW-016-240911	0.004	0.535	T
MW-016	9/11/2024	m,p-Xylene	V	ug/L	GWMW-016-240911	5	36	T
MW-016	9/11/2024	TDS	C	mg/L	GWMW-016-240911	40	1340	T
MW-016	9/11/2024	N-NO3	C	mg/L	GWMW-016-240911	0.05	0.194	TJ
MW-016	9/11/2024	VC	V	ug/L	GWMW-016-240911	0.5	0.56	T
MW-016	9/11/2024	Toluene	V	ug/L	GWMW-016-240911	5	12.9	T
MW-016	9/11/2024	1,2-DCA	V	ug/L	GWMW-016-240911	0.5	2.49	T
MW-016	9/11/2024	1,2-DCP	V	ug/L	GWMW-016-240911	0.5	13.5	T
MW-016	9/11/2024	Ethylbenzene	V	ug/L	GWMW-016-240911	5	52	T
MW-016	9/11/2024	N-NH3	C	mg/L	GWMW-016-240911	0.03	0.373	T
MW-016	9/11/2024	Acetone	V	ug/L	GWMW-016-240911	25	152	T
MW-016	9/11/2024	Cl	C	mg/L	GWMW-016-240911	10	154	T
MW-016	9/11/2024	TOC	C	mg/L	GWMW-016-240911	1	30.6	T
MW-016	9/11/2024	Benzene	V	ug/L	GWMW-016-240911	0.5	11.3	T
MW-016	9/11/2024	SO4	C	mg/L	GWMW-016-240911	0.3	0.32	T
MW-016	9/11/2024	o-Xylene	V	ug/L	GWMW-016-240911	5	13.8	T
MW-023	9/11/2024	Ba	I	mg/L	MWS-1-2-240911	0.004	0.103	T
MW-023	9/11/2024	SO4	C	mg/L	GWMW-023-240911	0.3	8.28	T
MW-023	9/11/2024	N-NO3	C	mg/L	GWMW-023-240911	0.05	0.05	UTJ
MW-023	9/11/2024	N-NO3	C	mg/L	MWS-1-2-240911	0.05	0.05	UTJ
MW-023	9/11/2024	SO4	C	mg/L	MWS-1-2-240911	0.3	8.29	T
MW-023	9/11/2024	Ba	I	mg/L	GWMW-023-240911	0.004	0.102	T
MW-023	9/11/2024	Mn	I	mg/L	MWS-1-2-240911	0.008	0.819	T
MW-023	9/11/2024	TOC	C	mg/L	GWMW-023-240911	1	2.72	T
MW-023	9/11/2024	ALK	C	mg/L as Ca	MWS-1-2-240911	1	305	T
MW-023	9/11/2024	N-NH3	C	mg/L	MWS-1-2-240911	0.03	0.177	T
MW-023	9/11/2024	Cl	C	mg/L	MWS-1-2-240911	2	39.3	T
MW-023	9/11/2024	Cl	C	mg/L	GWMW-023-240911	2	39.6	T
MW-023	9/11/2024	TOC	C	mg/L	MWS-1-2-240911	1	2.31	T
MW-023	9/11/2024	Mn	I	mg/L	GWMW-023-240911	0.008	0.807	T

StationID	SampleDate	AnalyteAbbrev	AnalyteCat	Units	SampleID	RptLimit	Result	Qualifier
MW-023	9/11/2024	TDS	C	mg/L	GMMW-023-240911	10	398	T
MW-023	9/11/2024	TDS	C	mg/L	MWS-1-2-240911	10	421	T
MW-023	9/11/2024	ALK	C	mg/L as Ca	GMMW-023-240911	1	312	T

“U” qualifier: the reported value was less than the method detection limit.

“T” qualifier: during storage or transport, the temperature of the sample fell outside specified acceptance limits.

“J” qualifier: indicates that a reported value is an estimate due to an issue with the sample or analytical process.

APPENDIX D - LANDFILL GAS PROBE MEASUREMENTS

Mica Landfill Gas Measurements

Tech: GF

Date: 1/3/2024

Temp: 32-36 deg F

Weather: cldy

Baro. Pres: 29.8 @ 630

Qualifier: Rising

Gas Extraction Monitoring Data

Filename: MP240103.XLXS

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 830

Baro. Pres: 29.82 @ 1127

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Differentia	Temperatu	Reference	Adjusted F	Reference	Adjusted E	Pod Type	Pod Value	Valve Pos	Comments
MGP00012	8:36	1/3/2024	0	1.3	19.5	79.2	0	0.3 >>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			
MGP0002F	9:17	1/3/2024	0	18.4	5	76.6	0	0 >>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			
MGP00007	9:25	1/3/2024	0	4.1	16.8	79.1	0	0 >>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			
MGP00008	9:46	1/3/2024	0	2.9	18.6	78.5	0	-0.08 >>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			
MGP00009	9:56	1/3/2024	0	3.6	17.8	78.6	0	-0.13 >>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			
MGP00001	10:19	1/3/2024						>>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			gw in screen, no sample
MGP00006	10:28	1/3/2024						>>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			gw in screen, no sample
MGP00011	10:39	1/3/2024	0	2	18.9	79.1	0	0 >>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			
MGP00005	10:45	1/3/2024	0	2.3	18.9	78.8	0	0 >>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			
MGP0001C	10:52	1/3/2024	0	5.1	16.3	78.6	0	0 >>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			
MGP00003	11:05	1/3/2024	0	6	1.7	92.3	0	0 >>>	>>>	>>>	>>>	>>>	>>>	NOT FITTE{>>>			

Mica Landfill Gas Measurements

Tech: CC
Date: 2/7/2024
Temp: 37F
Weather: Cloudy
Baro. Pres: 29.46 @ 630
29.46 @ 900
Qualifier: Steady

Filename: MP240207.xlsx
Inst. Used: Landtec Gem 500 # 547
Time Gem Calib: 630
Time Gem Checked: N/A

Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	7:02	2/7/2024	0	2	18.8	79.2	0	-0.95 >>>	>>>	>>>	>>>	
MGP0002R	7:12	2/7/2024	0.4	10.5	11.7	77.4	0	-0.01 >>>	>>>	>>>	>>>	
MGP00007	7:20	2/7/2024	0	3.8	17.2	79	0	-0.15 >>>	>>>	>>>	>>>	
MGP00008	7:27	2/7/2024	0	3.5	17.9	78.6	0	-0.19 >>>	>>>	>>>	>>>	
MGP00009	7:35	2/7/2024	0	3.3	17.2	79.5	0	0.1 >>>	>>>	>>>	>>>	
MGP00001	7:41	2/7/2024						>>>	>>>	>>>		GW in screen, no sample
MGP00006	8:03	2/7/2024						>>>	>>>	>>>		GW in screen, no sample
MGP00011	8:15	2/7/2024	0	2.7	17.5	79.8	0	-1.28 >>>	>>>	>>>	>>>	
MGP00005	8:22	2/7/2024	0	2.5	17.6	79.9	0	0 >>>	>>>	>>>	>>>	
MGP00010	8:27	2/7/2024	0	5.8	15	79.2	0	0 >>>	>>>	>>>	>>>	
MGP00003	8:38	2/7/2024						>>>	>>>	>>>		GW in screen, no sample

Mica Landfill Gas Measurements

Tech: GF

Date: 3/7/2024

Temp: 33 deg to 38 deg F

Weather: ptly cldy

Baro. Pres: 29.94 @ 815

Qualifier: Rising

Gas Extraction Monitoring Data

Filename: MP240307.XLXS

Inst. Used: Landtec Gem 500 # 547

Time Gem Calib: 1005

Baro. Pres: 29.97 @ 1239

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	10:17	3/7/2024	0	1.2	19.2	79.6		-1.68	>>>	>>>	>>>	>>>	
MGP0002R	10:21	3/7/2024	0	12.7	11.8	75.5	0	0	>>>	>>>	>>>	>>>	
MGP00009	10:27	3/7/2024	0	3.1	16.7	80.2	0	-1.35	>>>	>>>	>>>	>>>	
MGP00001	10:37	3/7/2024							>>>	>>>	>>>	>>>	gw in screen, ns
MGP00006	10:45	3/7/2024							>>>	>>>	>>>	>>>	gw in screen, ns
MGP00003	11:10	3/7/2024							>>>	>>>	>>>	>>>	gw in screen, ns
MGP00007	11:36	3/7/2024	0	3.8	17.2	79	0	-0.03	>>>	>>>	>>>	>>>	
MGP00008	11:43	3/7/2024	0	3.4	17.8	78.8	0	-0.3	>>>	>>>	>>>	>>>	
MGP00011	12:00	3/7/2024	0	2.5	17.8	79.7	0	-0.32	>>>	>>>	>>>	>>>	
MGP00005	12:06	3/7/2024							>>>	>>>	>>>	>>>	gw in screen, ns
MGP00010	12:12	3/7/2024	0	6.2	14.2	79.6	0	-0.01	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 4/10/2024

Temp: 45-55 deg F

Weather: clear

Baro. Pres: 30.12 @ 930

Qualifier: Falling

Gas Extraction Monitoring Data

Filename: MP240410.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 945

Baro. Pres: 30.07 @ 1435

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	9:55	4/10/2024	0	1.8	19.5	78.7	0	-1.15	>>>	>>>	>>>	>>>
MGP0002R	10:09	4/10/2024	0	13.3	11.4	75.3	0	0	>>>	>>>	>>>	>>>
MGP00007	10:38	4/10/2024	0	3.8	17.2	79	0	-0.02	>>>	>>>	>>>	>>>
MGP00008	10:45	4/10/2024	0	3.4	17.9	78.7	0	-0.25	>>>	>>>	>>>	>>>
MGP00009	10:54	4/10/2024	0	3.4	17	79.6	0	-0.93	>>>	>>>	>>>	>>>
MGP00001	11:08	4/10/2024							>>>	>>>	>>>	>>>
MGP00006	11:18	4/10/2024							>>>	>>>	>>>	>>>
MGP00011	12:01	4/10/2024	0	2.9	18	79.1	0	-0.15	>>>	>>>	>>>	>>>
MGP00005	12:09	4/10/2024							>>>	>>>	>>>	>>>
MGP00010	12:17	4/10/2024	0	6.2	13.8	80	0	0	>>>	>>>	>>>	>>>
MGP00003	14:11	4/10/2024	0	5.7	2.8	91.5	0	0	>>>	>>>	>>>	>>>

gw in screen, ns

gw in screen, ns

gw in screen, ns

Mica Landfill Gas Measurements

Tech: GF

Date: 5/7/2024

Temp: 37-53 deg F

Weather: mstly cldy

Baro. Pres: 29.82 @ 800

Qualifier: steady

Gas Extraction Monitoring Data

Filename: MP240507.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 755

Time Gem Checked:

Baro. Pres: 29.82 @ 1343

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different Temp	Refere	Adjus	Valve Pos	Comments	
MGP00012	8:05	5/7/2024	0	2.3	18.7	79	0	-1.08	>>>	>>>	>>>	>>>	
MGP0002R	10:35	5/7/2024	0	11.7	13.8	74.5	0	0	>>>	>>>	>>>	>>>	
MGP00007	10:42	5/7/2024	0	3.8	17.3	78.9	0	0	>>>	>>>	>>>	>>>	
MGP00008	10:49	5/7/2024	0	3.5	17.6	78.9	0	-0.16	>>>	>>>	>>>	>>>	
MGP00009	11:00	5/7/2024	0	3.6	16.6	79.8	0	-0.31	>>>	>>>	>>>	>>>	
MGP00001	11:06	5/7/2024							>>>	>>>	>>>	>>>	gw in screens, no sample
MGP00006	11:15	5/7/2024							>>>	>>>	>>>	>>>	gw in screens, no sample
MGP00011	12:53	5/7/2024	0	3	18	79	0	-0.11	>>>	>>>	>>>	>>>	
MGP00005	12:59	5/7/2024							>>>	>>>	>>>	>>>	gw in screens, no sample
MGP00010	13:08	5/7/2024	0	6.9	13	80.1	0	-0.01	>>>	>>>	>>>	>>>	
MGP00003	13:26	5/7/2024	0	6.5	3.7	89.8	0	0	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 6/6/2024

Temp: 58-71 deg F

Weather: clear

Baro. Pres: 29.94 @ 815

Qualifier: Falling

Gas Extraction Monitoring Data

Filename: MP240606.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 830

Baro. Pres: 29.89 @ 1230

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different	Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	8:41	6/6/2024	0	2.7	17.8	79.5	0	0.1	>>>	>>>	>>>	>>>	
MGP0002R	8:51	6/6/2024	0	13.2	13.9	72.9	0	0	>>>	>>>	>>>	>>>	
MGP00007	8:59	6/6/2024	0	3.7	16.8	79.5	0	0.02	>>>	>>>	>>>	>>>	
MGP00008	9:08	6/6/2024	0	3.2	17.8	79	0	0.03	>>>	>>>	>>>	>>>	
MGP00009	9:38	6/6/2024	0	3.8	16.4	79.8	0	0.08	>>>	>>>	>>>	>>>	
MGP00001	9:54	6/6/2024							>>>	>>>	>>>	>>>	gw blocking screen, ns
MGP00006	10:04	6/6/2024	0	4.1	17	78.9	0	0	>>>	>>>	>>>	>>>	
MGP00011	11:43	6/6/2024	0	3.9	16.3	79.8	0	0.1	>>>	>>>	>>>	>>>	
MGP00005	11:49	6/6/2024	0	3.5	15.4	81.1	0	0	>>>	>>>	>>>	>>>	
MGP00010	11:55	6/6/2024	0	7.4	12.1	80.5	0	0	>>>	>>>	>>>	>>>	
MGP00003	12:07	6/6/2024	0	8.3	1.1	90.6	0	0	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 7/1/2024

Temp: 68-77 deg F

Weather: ptly cldy

Baro. Pres: 29.86 @ 900

Qualifier: Falling

Gas Extraction Monitoring Data

Filename: MP240701.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 1125

Baro. Pres: 29.83 @ 1500

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	11:34	7/1/2024	0	3.2	16.9	79.9	0	-0.14	>>>	>>>	>>>	>>>	
MGP0002R	11:49	7/1/2024	0	14.7	13.3	72	0	0	>>>	>>>	>>>	>>>	
MGP00007	12:00	7/1/2024	0	3.8	16	80.2	0	0	>>>	>>>	>>>	>>>	
MGP00008	12:08	7/1/2024	0	3.6	16.9	79.5	0	0	>>>	>>>	>>>	>>>	
MGP00009	12:17	7/1/2024	0	4.3	15.7	80	0	0	>>>	>>>	>>>	>>>	
MGP00001	12:24	7/1/2024	0.1	5	0.3	94.6	0	0	>>>	>>>	>>>	>>>	
MGP00006	12:33	7/1/2024	0	4.9	15.6	79.5	0	0	>>>	>>>	>>>	>>>	
MGP00011	12:46	7/1/2024	0	4.1	16.6	79.3	0	0	>>>	>>>	>>>	>>>	
MGP00005	12:53	7/1/2024	0	4	16.3	79.7	0	0	>>>	>>>	>>>	>>>	
MGP00010	12:58	7/1/2024	0	7.7	12	80.3	0	0	>>>	>>>	>>>	>>>	
MGP00003	13:08	7/1/2024	0	9.1	0.6	90.3	0	0	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 8/5/2024

Temp: 75-83 deg F

Weather: mstly cldy

Baro. Pres: 29.78 @ 915

Qualifier: Falling

Gas Extraction Monitoring Data

Filename: MP240805.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 1000

Baro. Pres: 29.77 @ 1331

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	10:11	8/5/2024	0	1.5	19.5	79	0	-0.13	>>>	>>>	>>>	>>>	
MGP0002R	10:24	8/5/2024	0	16.5	13.2	70.3	0	0	>>>	>>>	>>>	>>>	
MGP00007	10:33	8/5/2024	0	3.7	16.2	80.1	0	-0.03	>>>	>>>	>>>	>>>	
MGP00008	10:40	8/5/2024	0	3.6	17.1	79.3	0	-0.11	>>>	>>>	>>>	>>>	
MGP00009	11:35	8/5/2024	0	4.2	16.4	79.4	0	0	>>>	>>>	>>>	>>>	
MGP00001	11:48	8/5/2024	0.1	5.3	0	94.6	0	0	>>>	>>>	>>>	>>>	
MGP00011	12:31	8/5/2024	0	3.1	18.3	78.6	0	0.04	>>>	>>>	>>>	>>>	
MGP00005	12:39	8/5/2024	0	3.3	18	78.7	0	0.02	>>>	>>>	>>>	>>>	
MGP00010	12:48	8/5/2024	0	5.9	15.6	78.5	0	0.02	>>>	>>>	>>>	>>>	
MGP00006	13:06	8/5/2024	0	1.5	19.7	78.8	0	0	>>>	>>>	>>>	>>>	
MGP00003	13:16	8/5/2024	0	13.5	2	84.5	0	0	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 9/5/2024

Temp: 78 deg F

Weather: clear

Baro. Pres: 30.04 @ 730

Qualifier: Steady

Gas Extraction Monitoring Data

Filename: MP240905.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 830

Baro. Pres: 30.04 @ 1056

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	8:38	9/5/2024	0	1.5	19.3	79.2	0	-0.26	>>>	>>>	>>>	>>>	
MGP0002R	8:50	9/5/2024	0	17.8	12.9	69.3	0	0	>>>	>>>	>>>	>>>	
MGP00007	8:58	9/5/2024	0	3.9	15.9	80.2	0	0	>>>	>>>	>>>	>>>	
MGP00008	9:07	9/5/2024	0	3.8	17.1	79.1	0	-0.04	>>>	>>>	>>>	>>>	
MGP00009	9:17	9/5/2024	0	3.7	17.6	78.7	0	-0.04	>>>	>>>	>>>	>>>	
MGP00001	9:25	9/5/2024	0.1	6.5	0	93.4	0	0	>>>	>>>	>>>	>>>	
MGP00006	9:42	9/5/2024	0	1.4	19.7	78.9	0	0	>>>	>>>	>>>	>>>	
MGP00011	9:53	9/5/2024	0	2.9	18	79.1	0	-0.02	>>>	>>>	>>>	>>>	
MGP00005	10:00	9/5/2024	0	2.5	18.9	78.6	0	0	>>>	>>>	>>>	>>>	
MGP00010	10:08	9/5/2024	0	5.2	16.4	78.4	0	0	>>>	>>>	>>>	>>>	
MGP00003	10:21	9/5/2024	0	12.9	5.8	81.3	0	0	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 10/3/2024

Temp: 58-63 deg F

Weather: ptly cldy

Baro. Pres: 29.98 @ 1000

Qualifier: falling

Gas Extraction Monitoring Data

Filename: MP241003.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 1015

Baro. Pres: 29.9 @ 1318

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Differenti	Temp	Referer	Adjus	Valve Pos	Comments
MGP00012	10:23	10/3/2024	0	1.5	19.4	79.1	0	-0.14	>>>	>>>	>>>	>>>	
MGP0002R	10:33	10/3/2024	0	18.4	11.7	69.9	0	0	>>>	>>>	>>>	>>>	
MGP00007	10:43	10/3/2024	0	3.3	17.2	79.5	0	0	>>>	>>>	>>>	>>>	
MGP00008	10:50	10/3/2024	0	3.9	17.1	79	0	0.04	>>>	>>>	>>>	>>>	
MGP00009	10:57	10/3/2024	0	3.8	17.6	78.6	0	0.02	>>>	>>>	>>>	>>>	
MGP00001	11:02	10/3/2024	0	6.3	0	93.7	0	0	>>>	>>>	>>>	>>>	
MGP00006	12:22	10/3/2024	0	0.8	20.1	79.1	0	0	>>>	>>>	>>>	>>>	
MGP00011	12:36	10/3/2024	0	2.8	18.1	79.1	0	0.2	>>>	>>>	>>>	>>>	
MGP00005	12:42	10/3/2024	0	2.6	18.7	78.7	0	0	>>>	>>>	>>>	>>>	
MGP00010	12:48	10/3/2024	0	5.1	16.5	78.4	0	0	>>>	>>>	>>>	>>>	
MGP00003	13:00	10/3/2024	0	11.1	10	78.9	0	0	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 11/5/2024

Temp: 39-44 deg F

Weather: mstly clear

Baro. Pres: 29.86 @ 935

Qualifier: Rising

Gas Extraction Monitoring Data

Filename: MP241105.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 930

Baro. Pres: 29.91 @ 1337

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Referen	Adjus	Valve Pos	Comments
MGP00012	9:40	11/5/2024	0	1.5	19.4	79.1	0	-1.57	>>>	>>>	>>>	>>>	
MGP0002R	9:48	11/5/2024	0	19.4	10.2	70.4	0	-0.01	>>>	>>>	>>>	>>>	
MGP00007	9:55	11/5/2024	0	4	16.4	79.6	0	-0.01	>>>	>>>	>>>	>>>	
MGP00008	10:03	11/5/2024	0	4	17.3	78.7	0	-0.39	>>>	>>>	>>>	>>>	
MGP00009	11:02	11/5/2024	0	3.1	18.6	78.3	0	-0.07	>>>	>>>	>>>	>>>	
MGP00001	11:19	11/5/2024	0	5.5	0.2	94.3	0	0	>>>	>>>	>>>	>>>	
MGP00006	11:27	11/5/2024	0	0.7	20.1	79.2	0	0	>>>	>>>	>>>	>>>	
MGP00003	11:34	11/5/2024	0	7.4	13.2	79.4	0	0	>>>	>>>	>>>	>>>	
MGP00011	12:57	11/5/2024	0	2.1	19	78.9	0	-0.18	>>>	>>>	>>>	>>>	
MGP00005	13:03	11/5/2024	0	2.5	18.9	78.6	0	0	>>>	>>>	>>>	>>>	
MGP00010	13:13	11/5/2024	0	4.3	17.1	78.6	0	0	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 12/11/2024

Temp: 29-32 deg F

Weather: cldy

Baro. Pres: 29.98 @ 730

Qualifier: Falling

Gas Extraction Monitoring Data

Filename: MP241211.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 745

Baro. Pres: 29.95 @ 1025

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Refere	Adjus	Valve Pos:	Comments
MGP00010	7:52	12/11/2024	0	4.4	17	78.6	0	0	>>>	>>>	>>>	>>>	
MGP00005	7:57	12/11/2024	0	2.4	19	78.6	0	0	>>>	>>>	>>>	>>>	
MGP00011	8:03	12/11/2024	0	2.2	18.8	79	0	0.25	>>>	>>>	>>>	>>>	
MGP00007	8:14	12/11/2024	0	4	16.9	79.1	0	0.02	>>>	>>>	>>>	>>>	
MGP00008	8:21	12/11/2024	0	3.2	18.2	78.6	0	0.29	>>>	>>>	>>>	>>>	
MGP00012	9:17	12/11/2024	0	1.5	19.5	79	0	1.2	>>>	>>>	>>>	>>>	
MGP0002R	9:28	12/11/2024	0	17.5	9.6	72.9	0	0	>>>	>>>	>>>	>>>	
MGP00009	9:34	12/11/2024	0	3.8	17.8	78.4	0	0.02	>>>	>>>	>>>	>>>	
MGP00001	9:48	12/11/2024							>>>	>>>	>>>	>>>	ns, gw in screens
MGP00006	10:01	12/11/2024							>>>	>>>	>>>	>>>	ns, gw in screens
MGP00003	10:10	12/11/2024	0	6.8	5.3	87.9	0	0	>>>	>>>	>>>	>>>	