



Spokane County

Environmental Services
Kevin R. Cooke, P.E., Director

December 8, 2021

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

RE: Mica Landfill Annual Progress Report 2021

Dear Sandra,

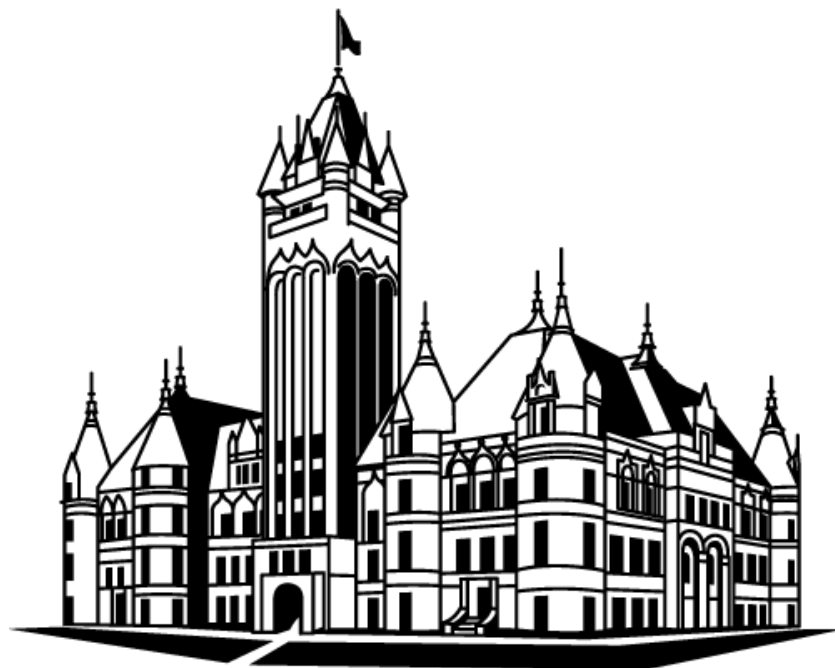
Enclosed you will find one copy of the Mica Landfill September 2021 Annual Progress Report.

If you have comments or questions, please call me at (509) 238-6607.

Sincerely,

Austin Stewart
Water Resources Specialist

Mica Landfill Annual Remedial Action Performance Report
September 2021



Spokane County
WASHINGTON

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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 2020 through September 2021
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		

LEACHATE		
Parameter	Units	Daily Maximum
Benzene*	mg/L	0.5 mg/L

*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). This will be reflected in all future reports.

Mica Landfill Site Map

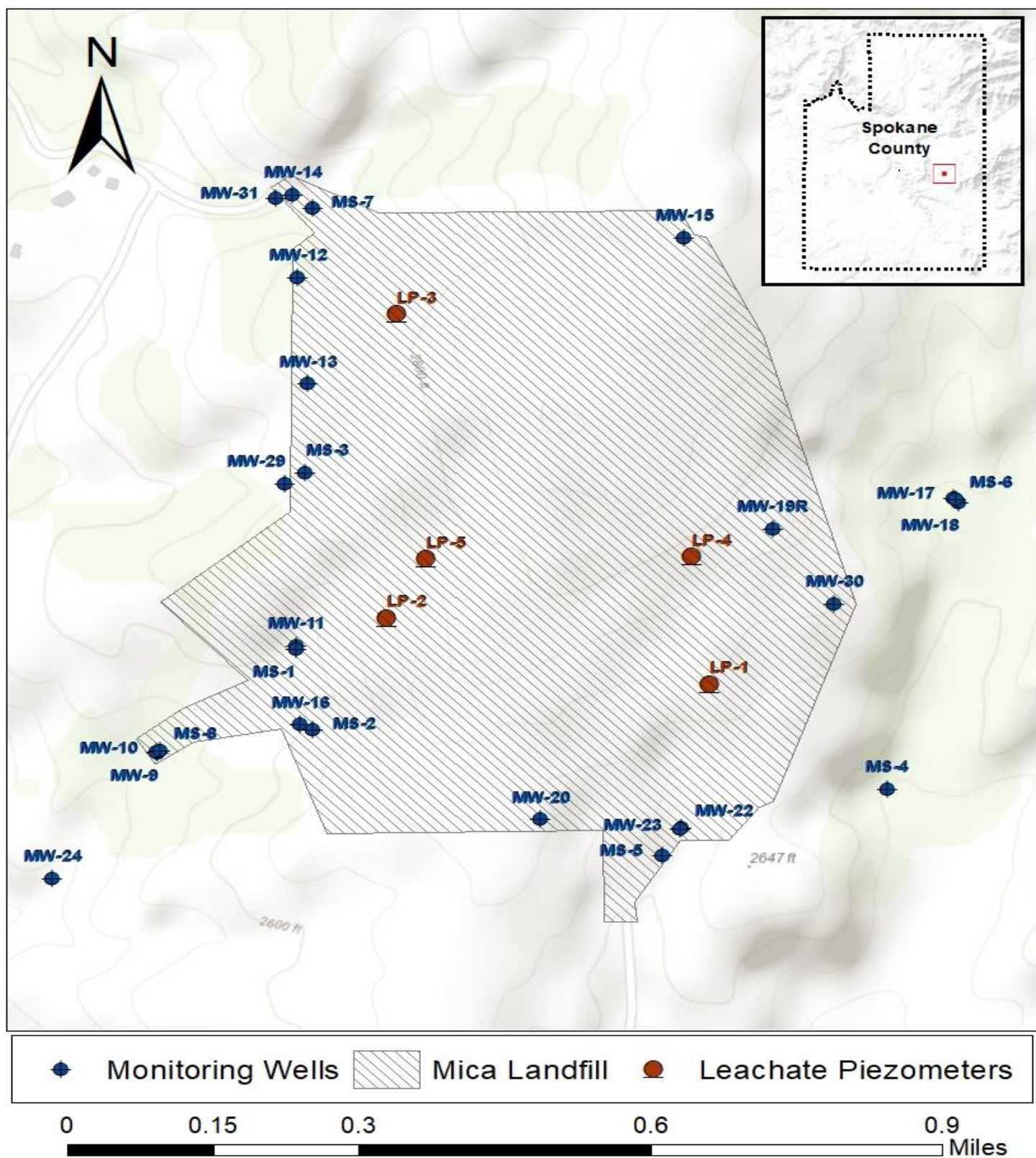


Figure 1-1: Mica Landfill Site Map

Mica Landfill RA Compliance Monitoring Wells

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

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

During the annual sampling event, the pumps for both DW-1 and DW-3 malfunctioned after collecting samples. 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 pump intakes during September and a sample was unobtainable in that well.

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 exceeded the regulatory criteria during this annual reporting period.

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

Concentrations in samples collected from monitoring well MW-16 exceeded the criteria for several VOCs, including 1,2-Dichloroethane (1,2-DCA), 1,2-Dichloropropane (1,2-DCP), benzene, Vinyl chloride, and acetone. 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 levels at DW-2 and DW-3 exceeded the clean-up criteria during this reporting period. Zinc levels were above clean-up criteria for DW-2 during the March sampling event but dropped below the criteria during the September sampling event.

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 conventional detected concentrations are 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 plots for northwest area analyte concentrations are presented in Figure 2-16 through Figure 2-22. Statistically significant trends for the northwest area 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 for nitrate and increasing trends in concentrations from trend analysis, the last 5 years have shown decreases in overall nitrate concentrations. MW-31 indicates decreasing trends for alkalinity, chloride, sulfate, TDS, and barium. MW-13 indicates an increasing trend for alkalinity, but the increasing trend appears to be plateauing. MW-13 shows decreasing trends for nitrate, sulfate, barium, and PCE.

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

Time-series plots for southwest area monitoring well 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 shows decreasing trends for a majority of conventionals/manganese, and an increasing trend for barium. 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 exhibits increasing trends for alkalinity, ammonia, chloride, arsenic, and benzene. In previous years, MW-16 exhibited increasing trends for 1,2-DCP, which is currently plateauing. MW-16 also indicates decreasing trends for sulfate, manganese, MC, TCE, and toluene. As of the trend analysis completed during this reporting period, TOC and barium also have statistically significant decreasing trends. Although MW-16 continues to exhibit a high level of constituent detections and cleanup-criteria exceedances, several constituent concentrations have plateaued/started exhibiting downward 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 plots for the south area monitoring well 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. Increasing trends for MW-23 include chloride and manganese for this reporting period. Increasing trends for alkalinity and TDS in previous reporting periods have plateaued. Monitoring well MS-5 exhibits increasing trends for chloride and sulfate, and decreasing trends for nitrate and barium. Although MS-5 is exhibiting increasing trends for chloride and sulfate, concentrations for both constituents appear to be plateauing/decreasing. Statistical analysis shows decreasing trends for chloride, nitrate, sulfate, and TOC in MW-20.

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

Time-series plots for the south area monitoring well 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 shows increasing trends for alkalinity, nitrate, sulfate, TDS, and barium. Monitoring well MW-19R indicates decreasing trends for most conventionals and barium. MW-19R also indicates a decreasing trend for cis-1,2-DCE. 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 plots 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. Chloride, nitrate, and barium laboratory results from DW-1 were flagged as estimates due to abnormally high variability that is inconsistent with current trends, despite adequate quality control values at the laboratory and known seasonal variability with concentrations. Data from DW-1 show overall increasing trends for nitrate, chloride, and barium. While these constituents exhibit increasing concentration trends, they are currently plateauing/decreasing. DW-3 shows increasing trends for nitrate, sulfate, and barium. DW-2 indicates a decreasing trend for nitrate.

CONTINGENCY RESPONSE ACTIONS

During the annual sampling event, the pumps at both DW-1 and DW-3 domestic wells malfunctioned after collecting the annual samples. While DW-3 is currently in working condition, DW-1 will need to be repaired in the Spring of 2022. A sample at DW-1 during the Spring 2022 sampling event is unlikely at this time.

Nitrate levels at domestic well DW-2 were over the clean-up criteria during the September and March sampling event. The statistical analysis for nitrate at this well indicates a decreasing trend in concentrations. As stated in previous reports, these concentrations of nitrate are historically found in this well and further confirmation of the analyte presence is unnecessary. Nitrate levels at domestic well DW-3 were over the clean-up criteria for each sampling event during this annual reporting period. This well has exhibited an increasing trend for nitrate since 2006, but concentrations appear to be plateauing.

The zinc concentrations found at DW-1 were above the clean-up criteria during the March sampling event but dropped below the clean-up criteria during the September sampling event. The zinc concentrations in this well continue to exhibit a decreasing trend. The zinc concentrations found at DW-2 were above the clean-up criteria for the March sampling event, but dropped below the clean-up criteria during the September sampling event, continuing its current decreasing trend. The increase in zinc concentrations for DW-2 occurred due to a replacement of 160' of 1-1/4" galvanized pipe on 3/29/2019. The replacement of the galvanized pipe was performed by Fogle Pump, and the replacement was due to a pump failure in the well.

Mica Landfill Field Parameters

Table 2-1: Mica Landfill Field Parameters Summary

StationID	SampleDate	Temp	PH	Conductivity	Turbidity	WElev
DW-001	3/9/2021	11	6.97	349	3.79	
DW-001	9/7/2021	14.5	6.99	178	0.31	
DW-002	3/9/2021	10.9	7.01	305	0.18	
DW-002	9/7/2021	11.3	6.97	314	0.48	
DW-003	3/9/2021	10.8	7.23	346	0.52	2395.49
DW-003	9/7/2021	11.5	7.45	340	0.18	2389.95
MS-004	3/9/2021	10.4	7.07	291	1.29	2514.94
MS-004	9/7/2021	10.4	7.04	427	1.31	2512.04
MS-005	3/10/2021	10.6	6.56	314	0.43	2559.46
MS-005	9/8/2021	11.1	6.84	330	0.71	2556.26
MW-009	3/9/2021	5.6	7.18	397	1.36	2494.22
MW-009	9/7/2021	10.7	7.04	573	7.49	2487.33
MW-010	3/9/2021	8.5	7.37	170	0.46	2493.88
MW-010	9/7/2021	10.1	7.47	178	0.2	2488.57
MW-013	3/9/2021	9.5	6.8	382	0.72	2668.72
MW-013	9/7/2021	12	6.9	381	0.81	2666.01
MW-014	3/9/2021	9.1	7.1	141	2.54	2591.06
MW-014	9/7/2021	12	7.25	133	1.49	2584.55
MW-016	12/1/2020	9.9	6.98	1680	1.11	2539.63
MW-016	3/10/2021	10.7	6.88	1576	0.95	2537.52
MW-016	6/8/2021	10.8	7	2010	0.5	2537.32
MW-016	9/8/2021	11.2	6.92	1980	2.03	2536.42
MW-019R	3/9/2021	10.1	6.8	236	7.2	2685.86
MW-019R	9/7/2021	11.8	7.17	242		2680.09
MW-020	3/9/2021	10.2	7.31	500	9.99	2589.05
MW-020	9/7/2021	13.6	7.11	462	22.21	2587.55
MW-023	3/10/2021	10.6	6.99	732		2560.96
MW-023	9/8/2021	11	7.22	753	4.47	2558.36
MW-029	3/9/2021	9.2	6.3	632	0.8	2591.51
MW-029	9/7/2021	10.1	6.39	659	0.34	2590.39
MW-031	3/9/2021	6	6.69	114	5.45	2589.44

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

Hydrographs/Groundwater Flow Contours

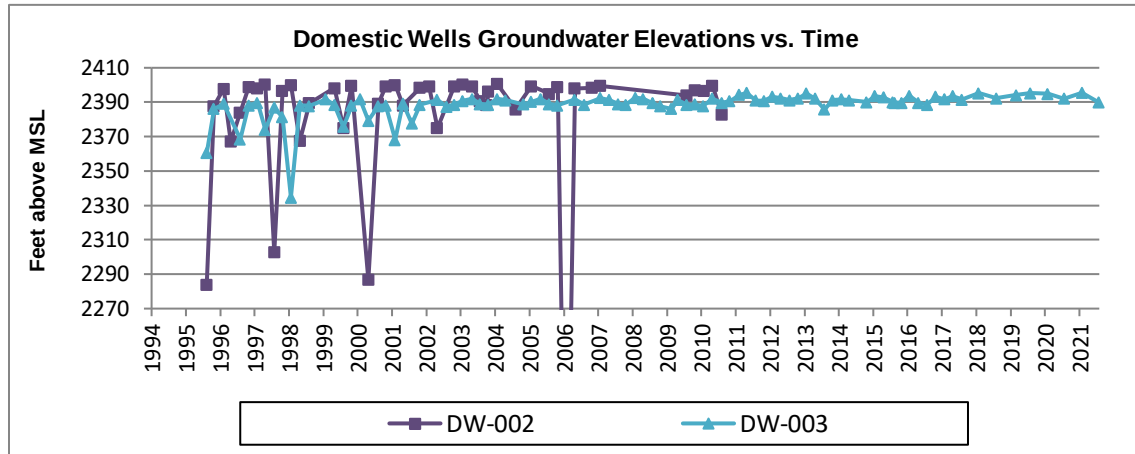


Figure 2-1: Domestic Wells Groundwater Elevation vs. Time

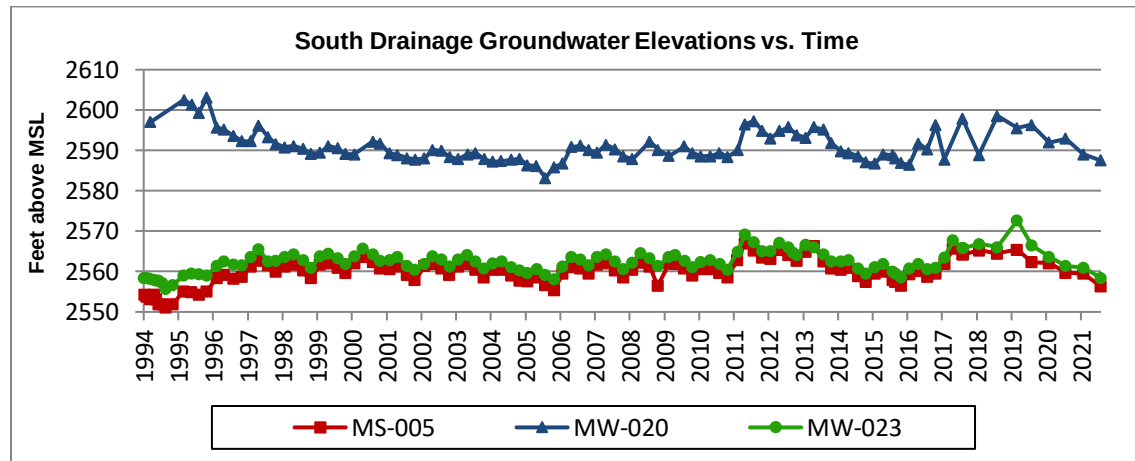


Figure 2-2: South Drainage Groundwater Elevations vs. Time

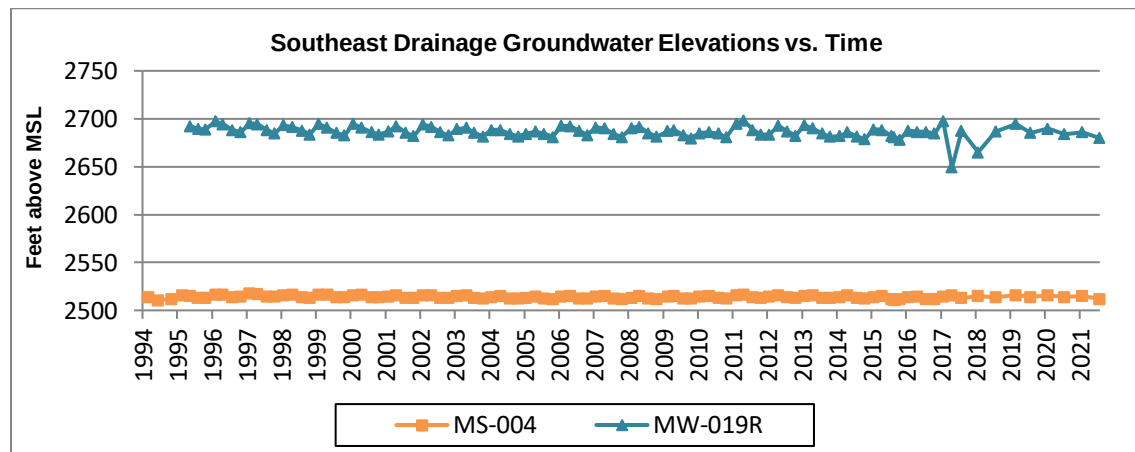


Figure 2-3: Southeast Drainage Groundwater Elevations vs. Time

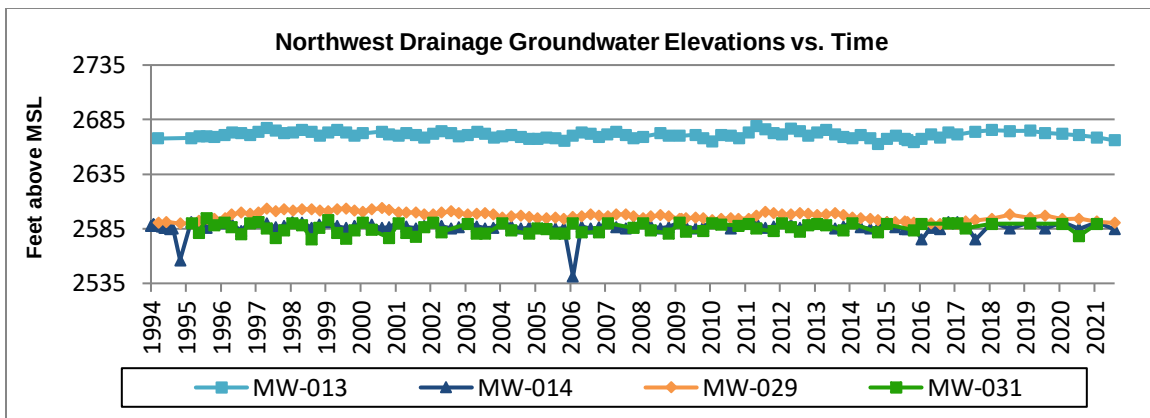


Figure 2-4: Northwest Drainage Groundwater Elevations vs. Time

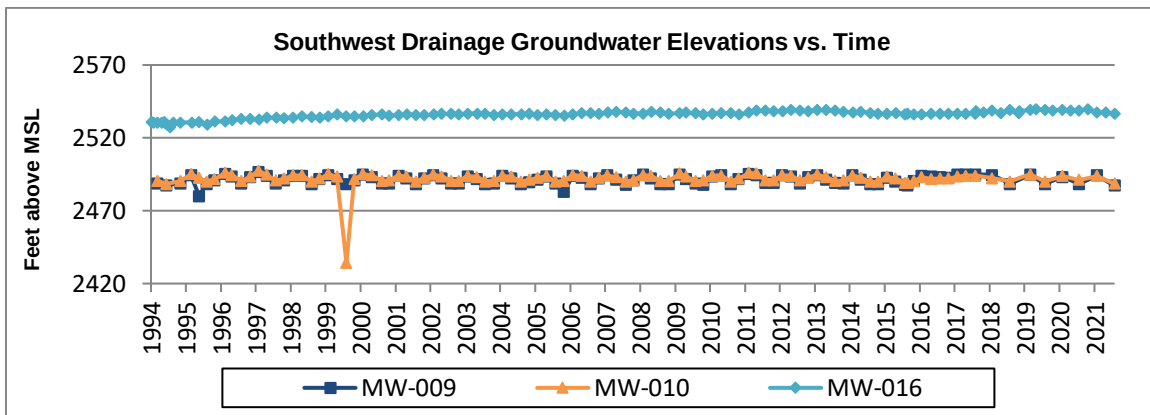


Figure 2-5: Southwest Drainage Groundwater Elevations vs. Time

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	GW Elevations	0.00047	2380.3	-0.000505	0.00312	no trend
DW-003	GW Elevations	0.000752	2360.7	0.000507	0.001045	increasing
Southeast Drainage						
MS-004	GW Elevations	-0.0001656	2520.7	-0.000303	-0.0000235	decreasing
MW-019R	GW Elevations	-0.00067	2712.2	-0.001068	-0.000194	decreasing
South Drainage						
MS-005	GW Elevations	0.000513	2540.1	0.000235	0.000778	increasing
MW-020	GW Elevations	-0.000168	2596.9	-0.000559	0.000246	no trend
MW-023	GW Elevations	0.000367	2547.9	0.0001407	0.000574	increasing
Southwest Drainage						
MW-009	GW Elevations	0.0000205	2489.9	-0.0001354	0.0002167	no trend
MW-010	GW Elevations	-0.000065	2494.9	-0.000228	0.0000816	no trend
MW-016	GW Elevations	0.00063	2511.5	0.000517	0.00075	increasing
Northwest Drainage						
MW-013	GW Elevations	-0.000099	2675.1	-0.000487	0.000229	no trend
MW-014	GW Elevations	0	2591.1	-0.000212	0.0000636	no trend
MW-029	GW Elevations	-0.000953	2634.8	-0.00126	-0.000645	decreasing
MW-031	GW Elevations	0.0000506	2585.5	-0.0001583	0.000538	no trend

Groundwater Elevation Contours

Mica Landfill - September 2021

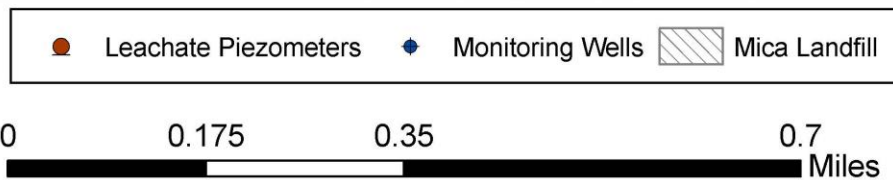
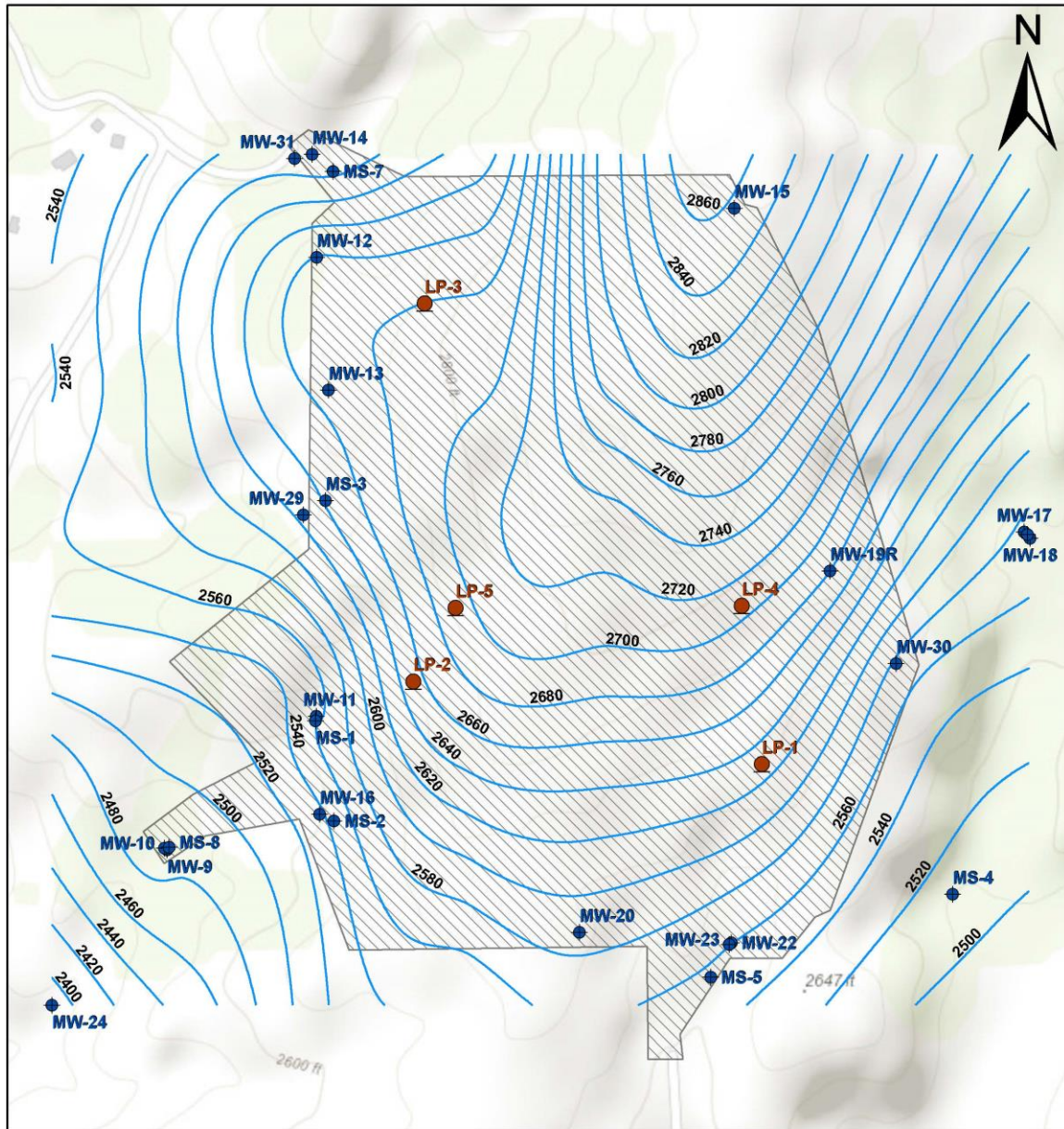


Figure 2-6: Mica Landfill Groundwater Elevation Contours

Criteria Exceedances

Table 2-3: Mica Landfill Analyte Criteria Exceedances

StationID	SampleDate	Analyte	MTCAB	Result	Detect Limit	Qualifier	Units	Type	DrainageArea
DW-002	3/9/2021	N-Nitrate	0.8	1.23	0.05		mg/L	C	Domestic
DW-002	9/7/2021	N-Nitrate	0.8	1.02	0.05		mg/L	C	Domestic
DW-002	3/9/2021	Zinc	0.4	0.401	0.01		mg/L	I	Domestic
DW-003	3/9/2021	N-Nitrate	0.8	1.33	0.05		mg/L	C	Domestic
DW-003	9/7/2021	N-Nitrate	0.8	2.21	0.05		mg/L	C	Domestic
MW-029	3/9/2021	N-Nitrate	0.8	1.18	0.05		mg/L	C	Northwest
MS-005	3/10/2021	N-Nitrate	0.8	1.68	0.05		mg/L	C	South
MS-005	3/10/2021	N-Nitrate	0.8	1.56	0.05		mg/L	C	South
MS-005	9/8/2021	N-Nitrate	0.8	1.44	0.05		mg/L	C	South
MW-020	3/9/2021	N-Nitrate	0.8	5.52	0.05		mg/L	C	South
MW-020	9/7/2021	N-Nitrate	0.8	1.8	0.05		mg/L	C	South
MW-020	9/7/2021	Lead	0.015	0.0261	0.015		mg/L	I	South
MS-004	3/9/2021	N-Nitrate	0.8	9.06	0.5	D	mg/L	C	Southeast
MS-004	9/7/2021	N-Nitrate	0.8	10.2	0.5	D	mg/L	C	Southeast
MW-019R	3/9/2021	N-Nitrate	0.8	1.41	0.05		mg/L	C	Southeast
MW-019R	9/7/2021	N-Nitrate	0.8	1.22	0.05		mg/L	C	Southeast
MW-016	12/1/2020	Arsenic	0.005	0.0551	0.003		mg/L	I	Southwest
MW-016	3/10/2021	Arsenic	0.005	0.0567	0.003		mg/L	I	Southwest
MW-016	6/8/2021	Arsenic	0.005	0.0636	0.003		mg/L	I	Southwest
MW-016	9/8/2021	Arsenic	0.005	0.0581	0.003		mg/L	I	Southwest
MW-016	12/1/2020	Barium	0.56	0.621	0.004		mg/L	I	Southwest
MW-016	3/10/2021	Barium	0.56	0.624	0.004		mg/L	I	Southwest
MW-016	6/8/2021	Barium	0.56	0.681	0.004		mg/L	I	Southwest
MW-016	9/8/2021	Barium	0.56	0.629	0.004		mg/L	I	Southwest
MW-016	12/1/2020	1,2-Dichloroethane	1.2	1.75	0.5		ug/L	V	Southwest
MW-016	3/10/2021	1,2-Dichloroethane	1.2	2.88	0.5		ug/L	V	Southwest
MW-016	9/8/2021	1,2-Dichloroethane	1.2	2.53	0.5		ug/L	V	Southwest
MW-016	12/1/2020	1,2-Dichloropropane	0.643	8.93	0.5		ug/L	V	Southwest
MW-016	3/10/2021	1,2-Dichloropropane	0.643	12.4	0.5		ug/L	V	Southwest
MW-016	9/8/2021	1,2-Dichloropropane	0.643	13.2	0.5		ug/L	V	Southwest
MW-016	6/8/2021	Acetone	688	972	125	D	ug/L	V	Southwest
MW-016	12/1/2020	Benzene	0.795	8.37	0.5		ug/L	V	Southwest
MW-016	3/10/2021	Benzene	0.795	11.2	0.5		ug/L	V	Southwest
MW-016	6/8/2021	Benzene	0.795	14.6	5		ug/L	V	Southwest
MW-016	9/8/2021	Benzene	0.795	11.2	0.5		ug/L	V	Southwest
MW-016	12/1/2020	Vinyl Chloride	0.023	0.91	0.5		ug/L	V	Southwest
MW-016	3/10/2021	Vinyl Chloride	0.023	1.01	0.5		ug/L	V	Southwest
MW-016	9/8/2021	Vinyl Chloride	0.023	1.22	0.5		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 2020 to 2021:

StationID	Drainage	Analyte	Summary of change
DW-001	Domestic	Zinc	Decreased from exceedance in 2020 to no exceedance in 2021
MW-020	South	Arsenic	Decreased from exceedance in 2020 to no exceedance in 2021
MW-020	South	Barium	Decreased from exceedance in 2020 to no exceedance in 2021

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	12/1/2020	1.75	8.93	296	8.37	2.47	47	27.4	12.2	5.7	0.91	
MW-016	3/10/2021	2.88	12.4	605	11.2	3.23	49	38.8	17	7.27	1.01	0.58
MW-016	6/8/2021		12.9	972	14.6	7.9	67.8	42.7	19.2	17.7		
MW-016	9/8/2021	2.53	13.2	460	11.2	3.92	49	31.8	16.9	9.26	1.22	0.61

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	3/9/2021	0.5	ug/L	U
DW-002	3/9/2021	0.5	ug/L	U
DW-003	3/9/2021	0.5	ug/L	U
MS-004	3/9/2021	0.5	ug/L	U
MW-009	3/9/2021	0.5	ug/L	U
MW-029	3/9/2021	0.5	ug/L	U
MS-005	3/10/2021	0.5	ug/L	U
MS-004	9/7/2021	0.556	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	Vanadium	Zinc
DW-001	3/9/2021		0.0184		0.0171		0.169
DW-001	9/7/2021				0.0098		0.0465
DW-002	3/9/2021		0.0366		0.0083		0.401
DW-002	9/7/2021		0.0397				0.353
DW-003	3/9/2021		0.0296				0.0713
DW-003	9/7/2021		0.0294				0.0756
MS-004	3/9/2021		0.0944		0.054		
MS-004	9/7/2021		0.114		0.0168		
MS-005	3/10/2021		0.0535				
MS-005	9/8/2021		0.0508				
MW-009	3/9/2021		0.117		0.149		
MW-009	9/7/2021		0.167		0.668		
MW-010	3/9/2021		0.0471				
MW-010	9/7/2021		0.0479				
MW-013	3/9/2021		0.0522				
MW-013	9/7/2021		0.0532				
MW-014	3/9/2021				0.205		
MW-014	9/7/2021				0.32		
MW-016	12/1/2020	0.0551	0.621		0.41		
MW-016	3/10/2021	0.0567	0.624		0.411		
MW-016	6/8/2021	0.0636	0.681		0.571		
MW-016	9/8/2021	0.0581	0.629		0.478		
MW-019R	3/9/2021		0.035				
MW-019R	9/7/2021		0.0354				
MW-020	3/9/2021		0.246		0.0917	0.0053	0.0311
MW-020	9/7/2021	0.00335	0.299	0.0261	0.124		0.0455
MW-023	3/10/2021		0.141		0.906		
MW-023	9/8/2021		0.135		0.933		
MW-029	3/9/2021		0.103				
MW-029	9/7/2021		0.107				
MW-031	3/9/2021		0.0473				

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	3/9/2021	155	11.8		0.2	9.58		1.04
DW-001	9/7/2021	109	1.71		0.05	9.66		
DW-002	3/9/2021	159	7.49		1.23	5.58		
DW-002	9/7/2021	160	7.96		1.02	5.63		
DW-003	3/9/2021	171	0.71		1.33	1.14		
DW-003	9/7/2021	184	0.83		2.21	1.69		
MS-004	3/9/2021	162	0.64	0.054	9.06	10.4	259	1.51
MS-004	9/7/2021	181	1.15	3.41	10.2	11.9	296	1.99
MS-005	3/10/2021	103	22.5		1.68	17.8	233	1.38
MS-005	9/8/2021	107	24.5		1.44	18.2	241	1.32
MW-009	3/9/2021	198	10.9		0.168	2.99	230	2.49
MW-009	9/7/2021	269	27.7			3.63	340	2.47
MW-010	3/9/2021	94	0.43		0.277	0.92	125	
MW-010	9/7/2021	93.8	0.41		0.24	1.02	120	
MW-013	3/9/2021	195	8.98		0.704	3.72	242	1.25
MW-013	9/7/2021	197	8.77		0.495	3.74	229	1.27
MW-014	3/9/2021	80.3	0.79			9.39	127	
MW-014	9/7/2021	80.7	0.73			9.28	133	
MW-016	12/1/2020			0.357				32.7
MW-016	3/10/2021	1290	154	0.465		0.35	1540	34.7
MW-016	6/8/2021			0.404				54.4
MW-016	9/8/2021	1320	166	0.43	0.77	0.44	1480	33.8
MW-019R	3/9/2021	106	6.78		1.41	5.1	156	1.29
MW-019R	9/7/2021	106	6.22		1.22	5.02	172	1.2
MW-020	3/9/2021	202	6.24		5.52	9.24	297	1.26
MW-020	9/7/2021	239	7.36		1.8	6.39	333	1.23
MW-023	3/10/2021	343	49.8		0.348	8.89	460	3.82
MW-023	9/8/2021	338	49.7			8.42	443	3.13
MW-029	3/9/2021	95.8	143		1.18	7.2	408	
MW-029	9/7/2021	104	137			7.35	417	
MW-031	3/9/2021	62.9	2.07		0.143	4.57	130	4.54

Clean-up level exceedances are in red

VOC detections/exceedance maps – 1,2-Dichloroethane

Mica Landfill - September 2021

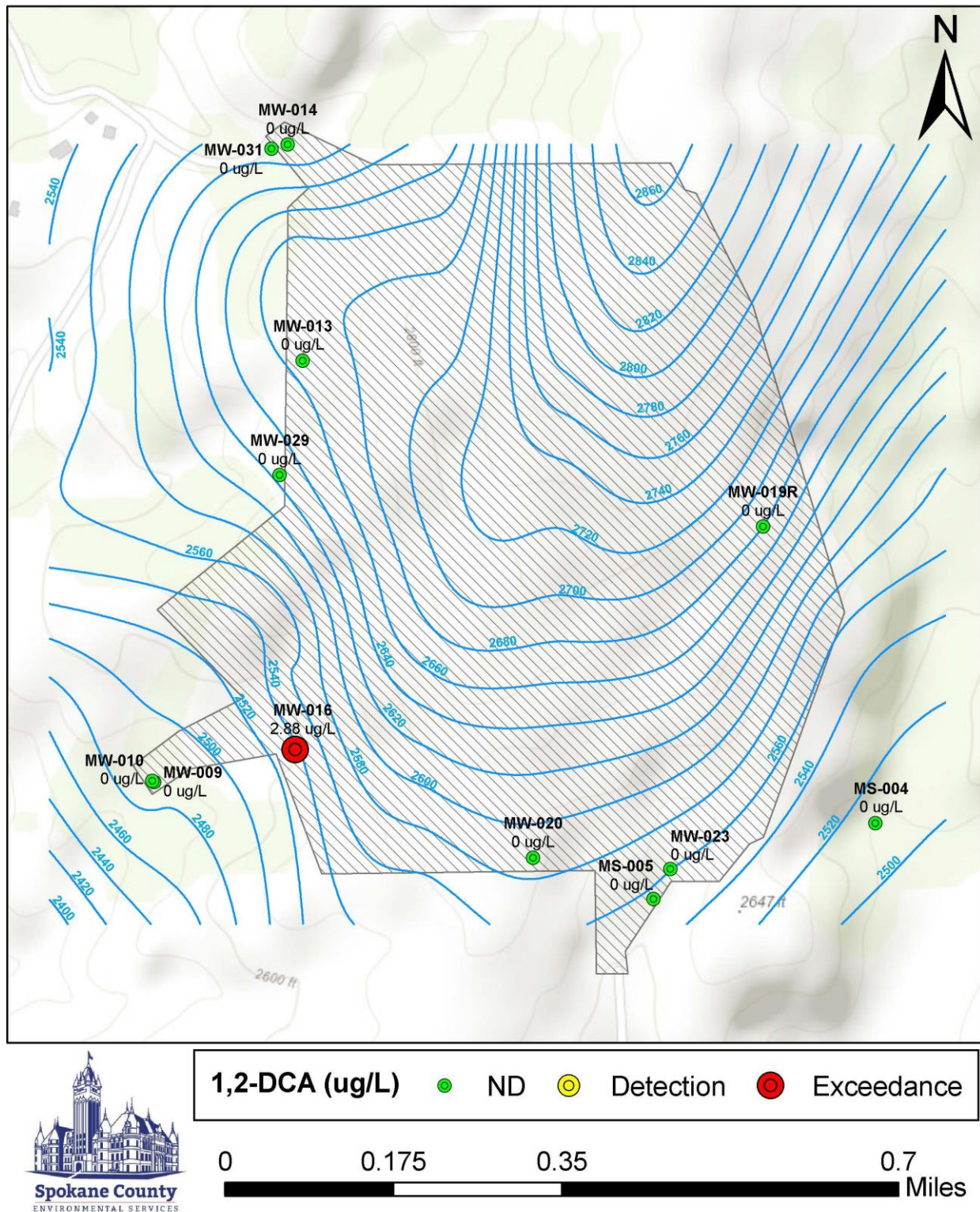
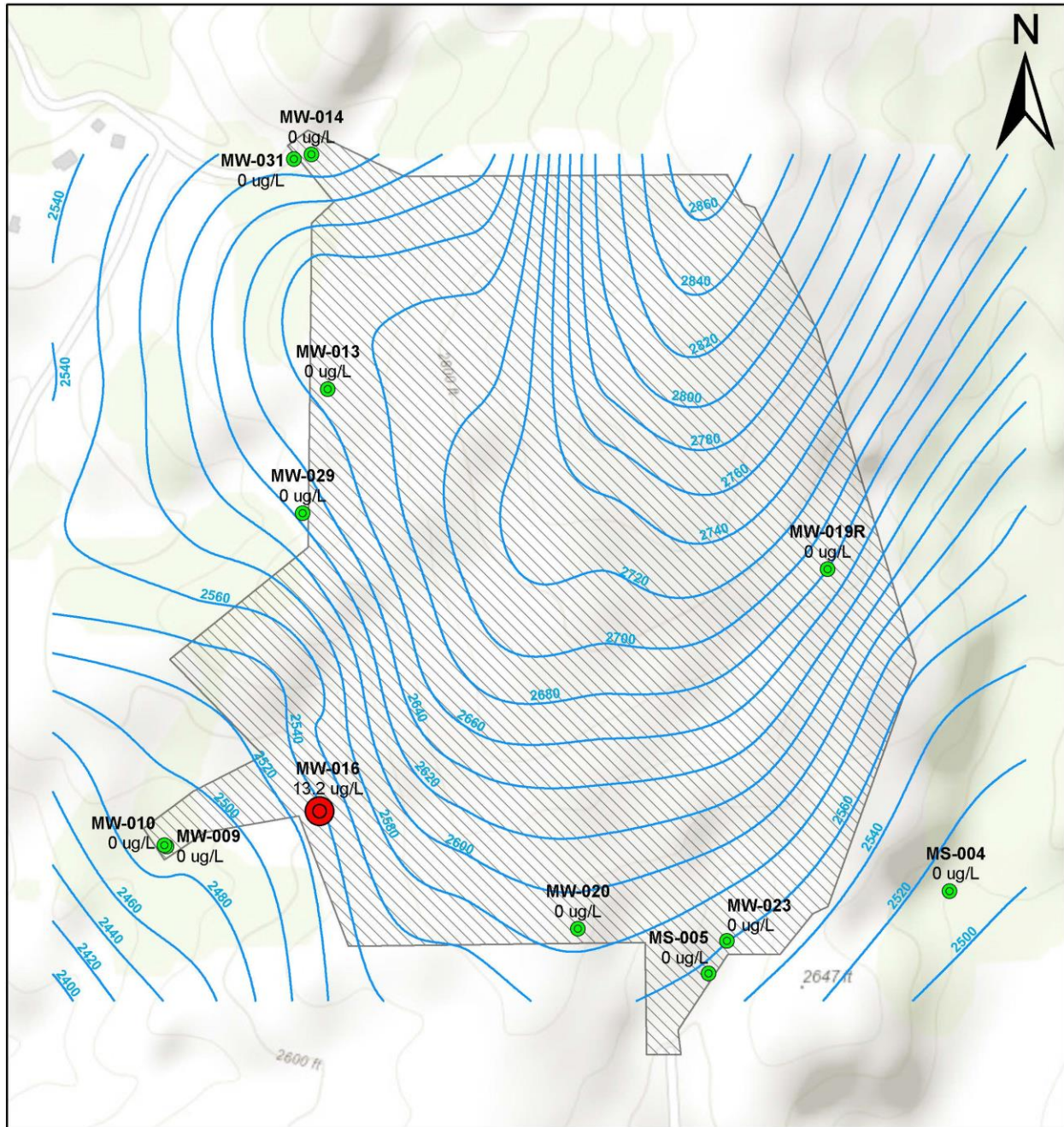


Figure 2-7: 1,2-Dichloroethane detections/exceedance map

VOC detections/exceedance maps – 1,2-Dichloropropane

Mica Landfill - September 2021



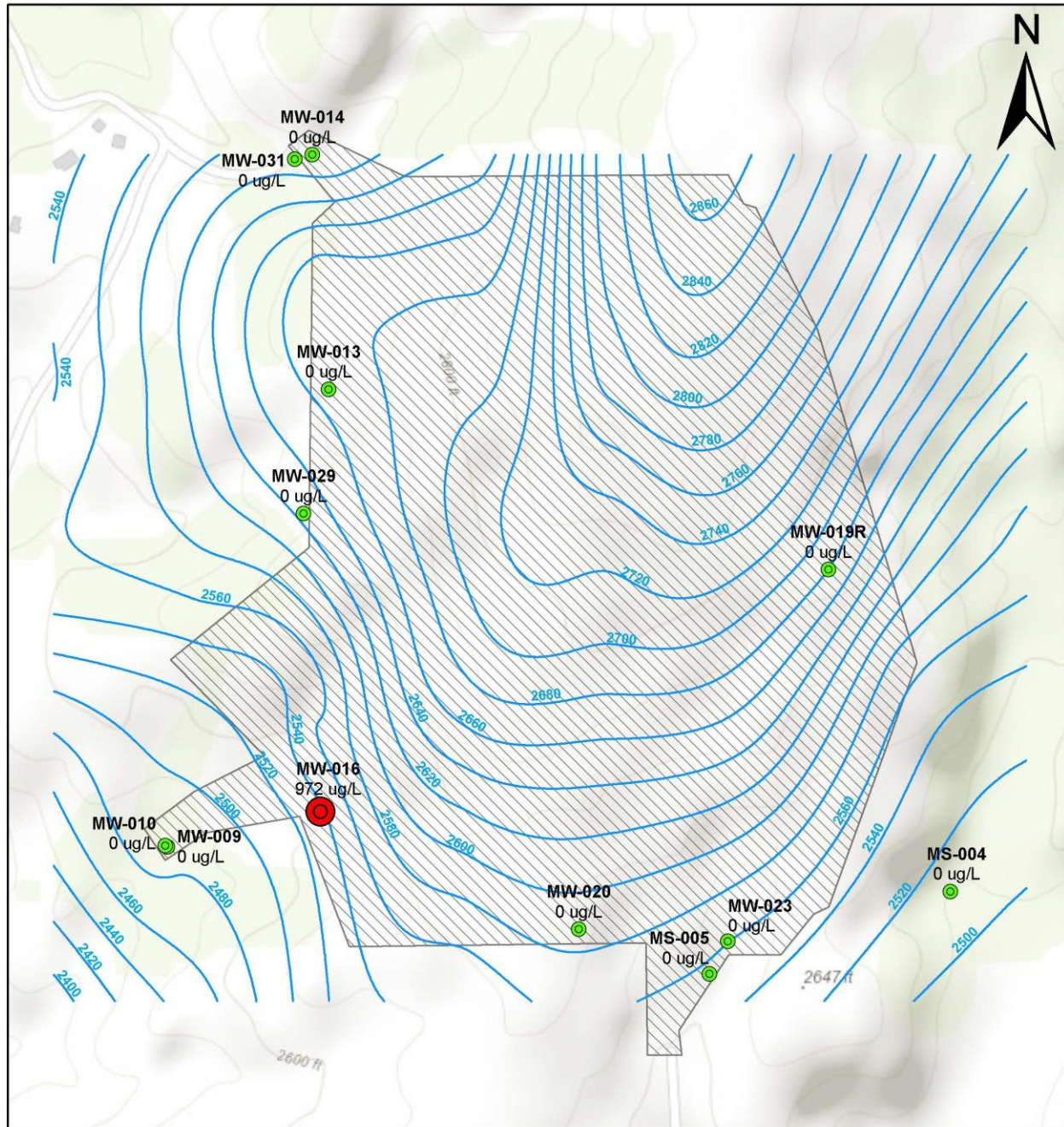
1,2-DCP (ug/L) ● ND ● Detection ● Exceedance

0 0.175 0.35 0.7 Miles

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

VOC detections/exceedance maps - Acetone

Mica Landfill - September 2021



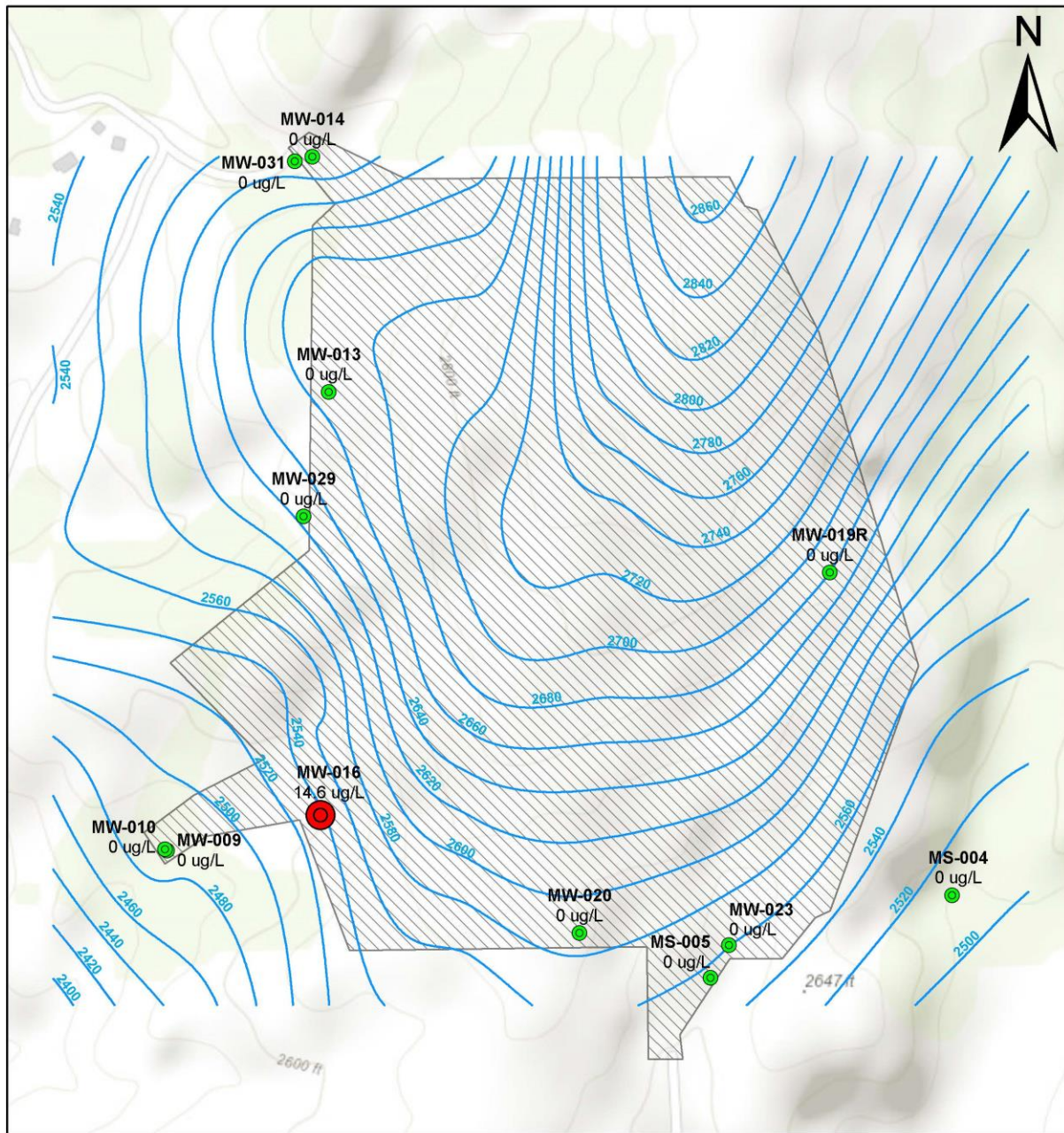
Acetone (ug/L) ● ND ● Detection ● Exceedance

0 0.175 0.35 0.7 Miles

Figure 2-9: Acetone detections/exceedance map

VOC detections/exceedance maps – Benzene

Mica Landfill - September 2021



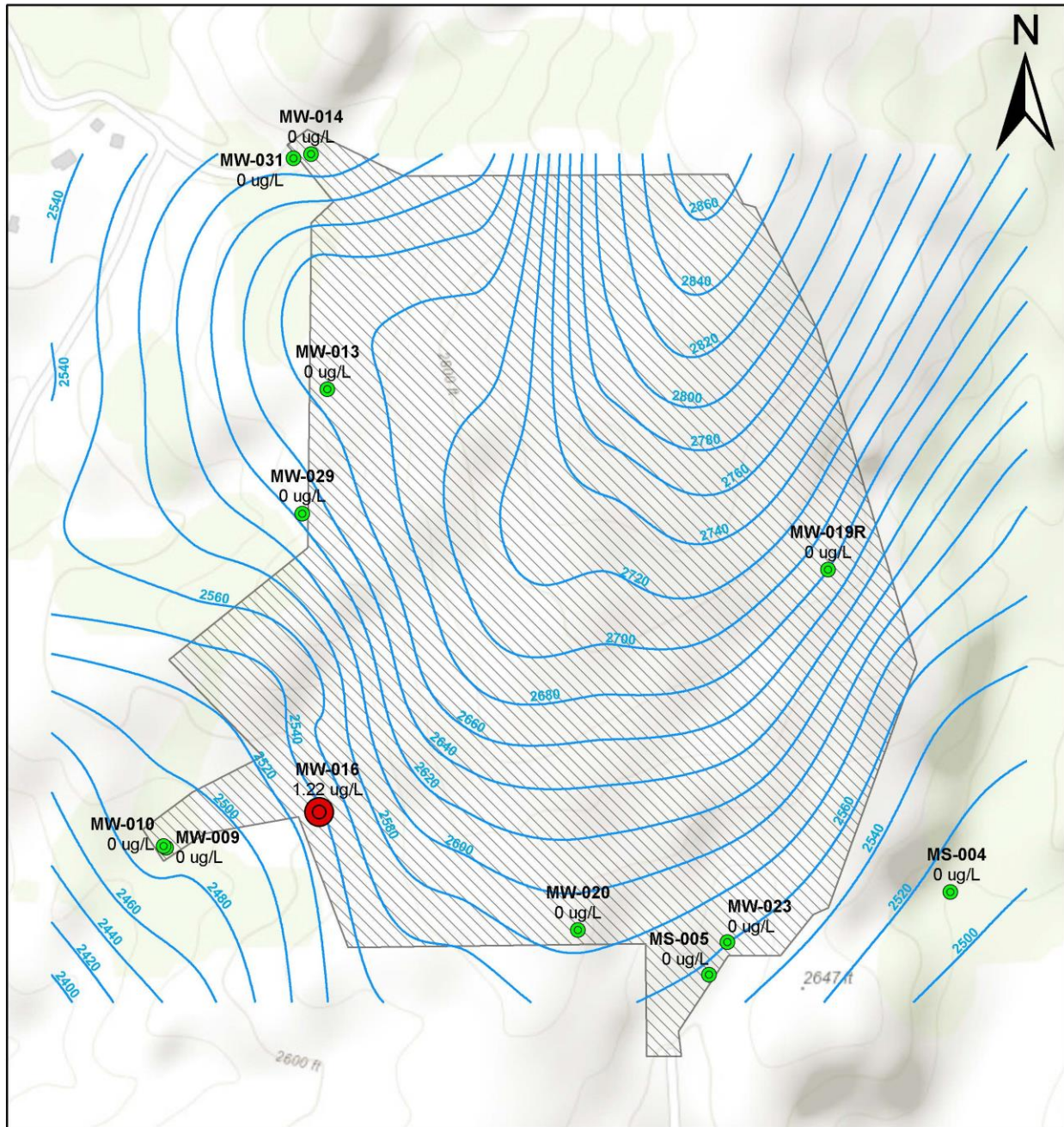
Benzene (ug/L) ● ND ● Detection ● Exceedance

0 0.175 0.35 0.7
Miles

Figure 2-10: Benzene detections/exceedance map

VOC detections/exceedance maps – Vinyl chloride

Mica Landfill - September 2021



VC (ug/L) ● ND ● Detection ● Exceedance

0 0.175 0.35 0.7 Miles

Figure 2-11: Vinyl chloride detections/exceedance map

Inorganics detections/exceedance maps – Arsenic

Mica Landfill - September 2021

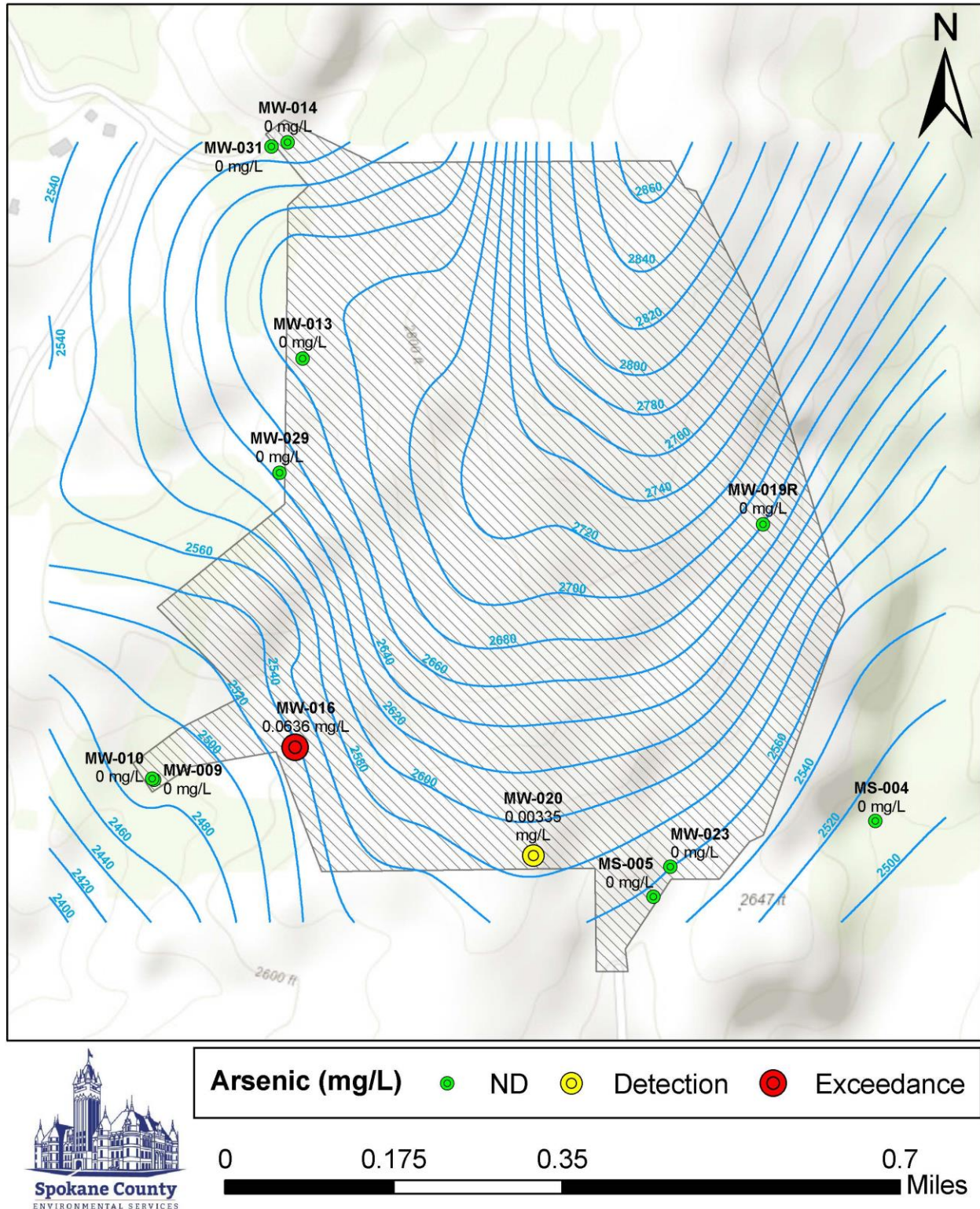


Figure 2-12: Arsenic detections/exceedance map

Inorganics detections/exceedance maps – Barium
Mica Landfill - September 2021

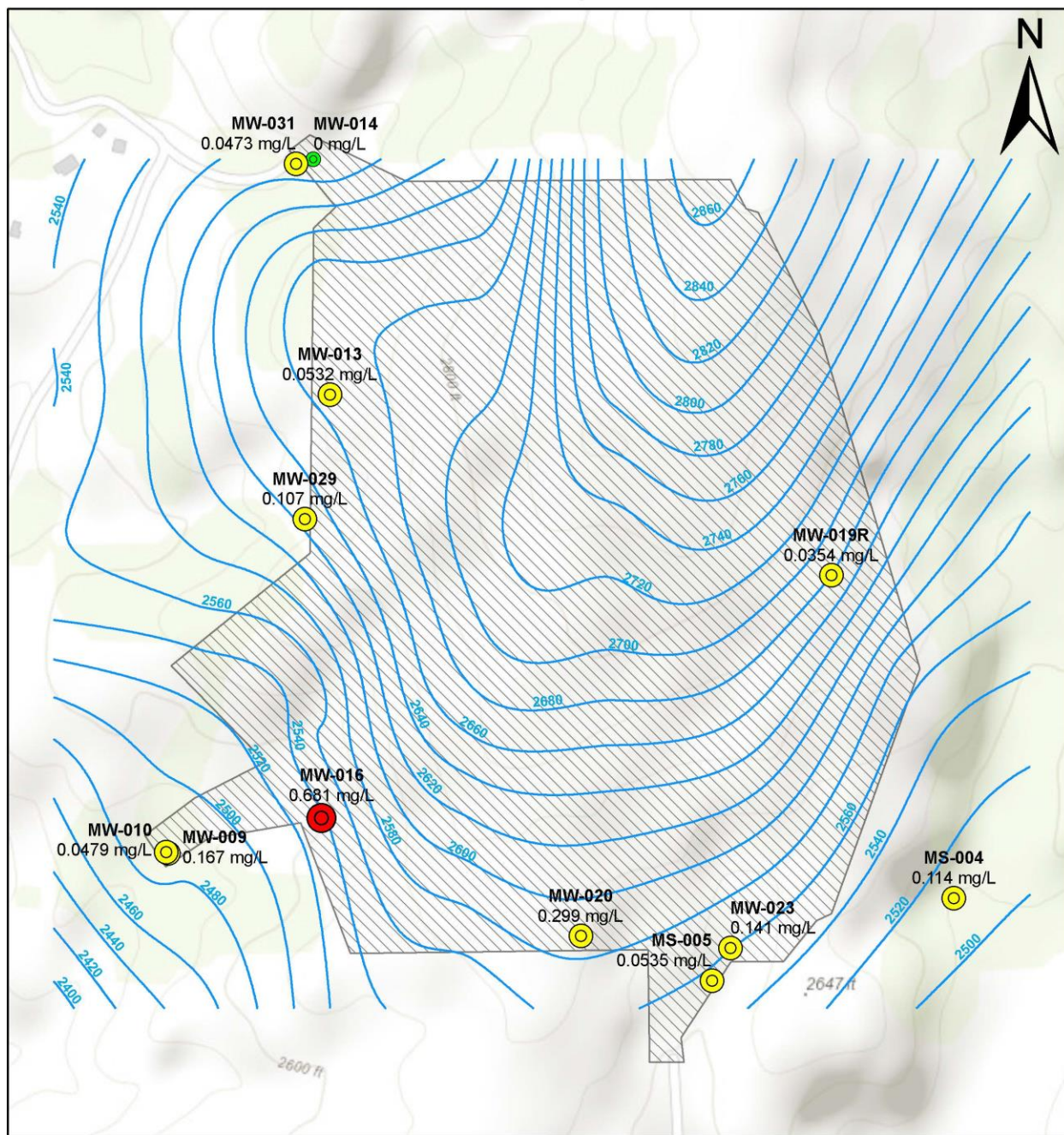


Figure 2-13: Barium detections/exceedance map

Inorganics detections/exceedance maps – Lead

Mica Landfill - September 2021

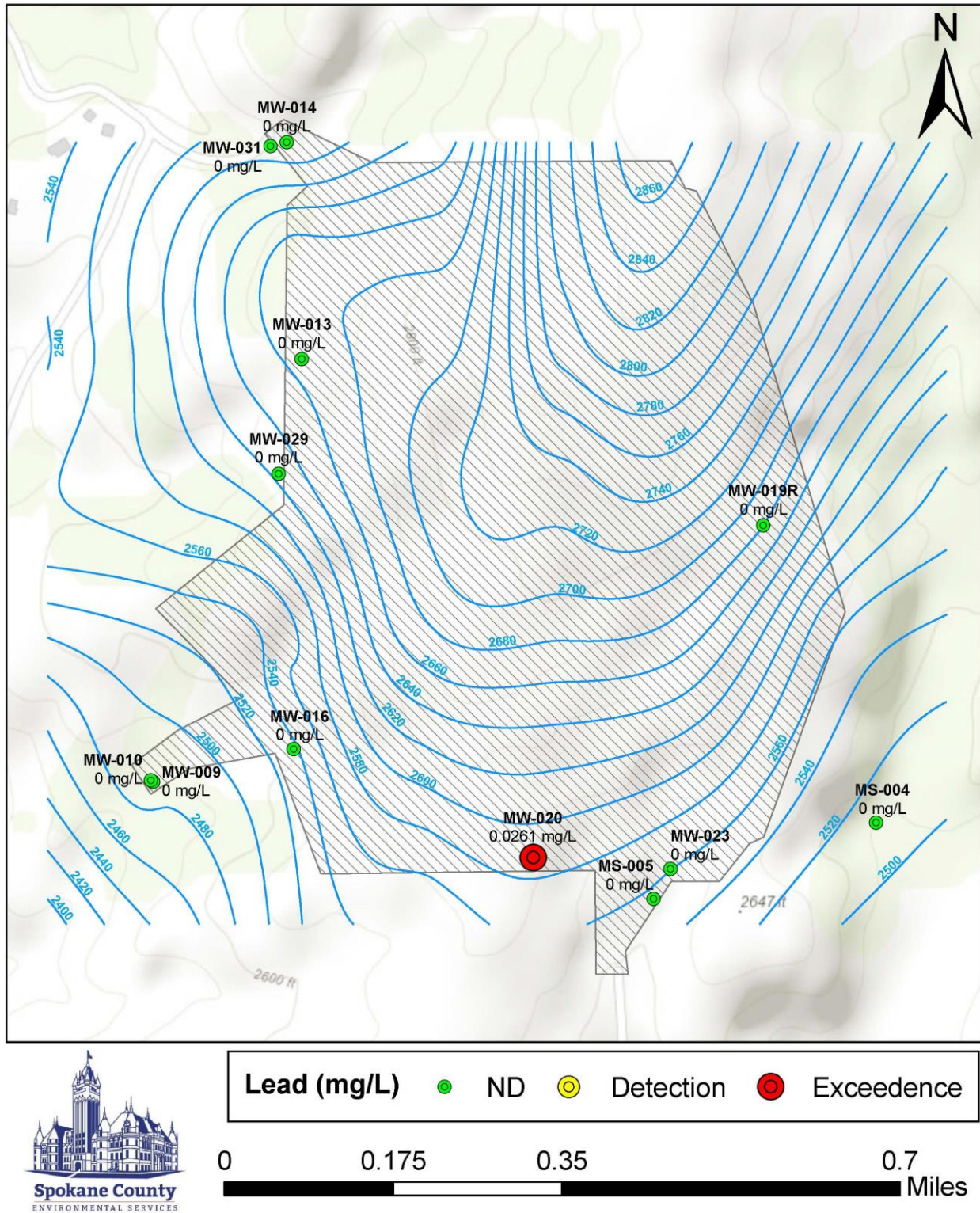


Figure 2-14: Lead detections/exceedance map

Conventional detections/exceedance maps – Nitrate

Mica Landfill - September 2021

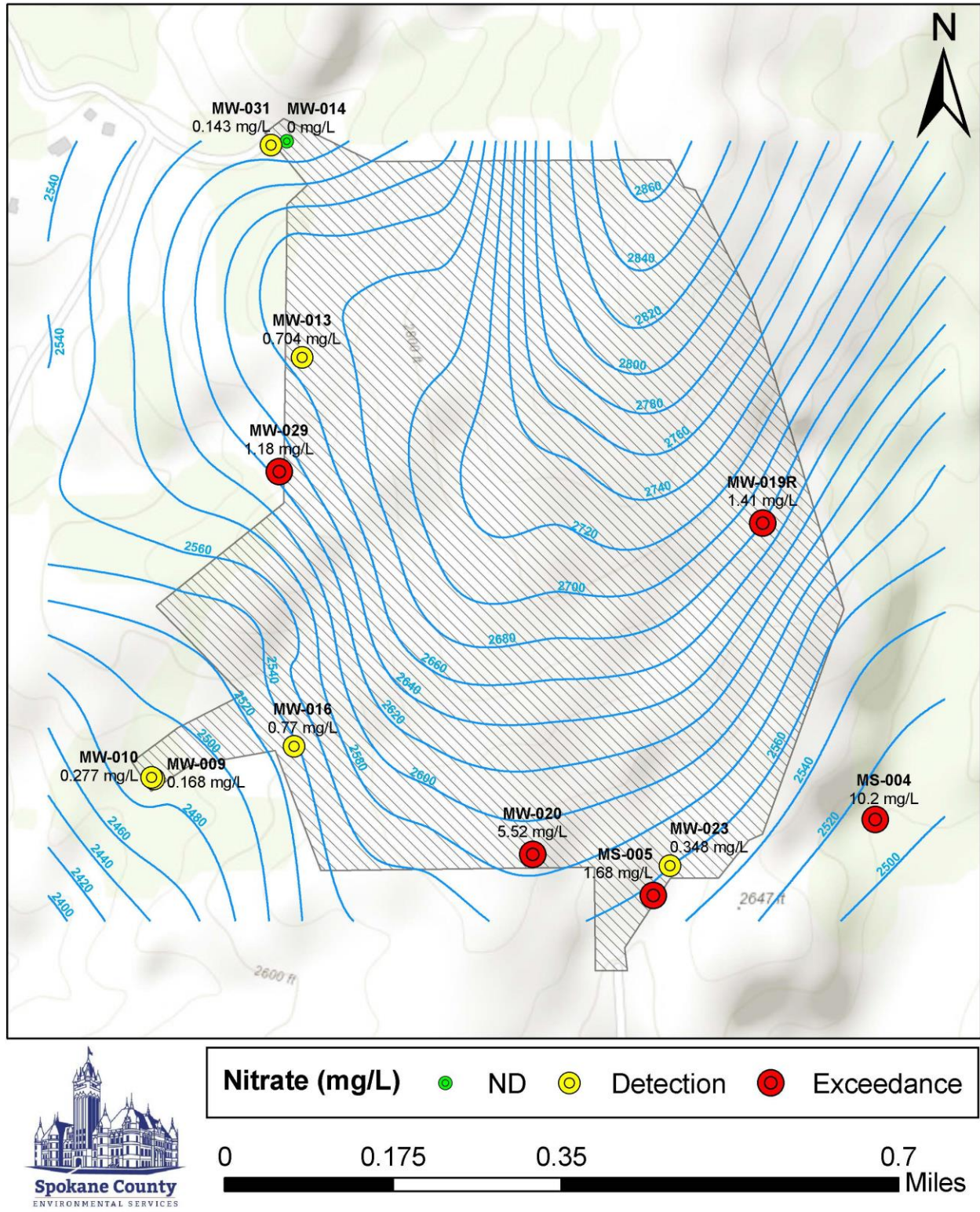


Figure 2-15: Nitrate detections/exceedance map

Mica Landfill Trend Analysis - 2021

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 2020 to 2021:

StationID	Drainage	Analyte	Summary of change
MW-031	Northwest	Barium	Decreased: no statistically significant trend to a statistically significant decreasing trend
MW-016	Southwest	TOC	Decreased: no statistically significant trend to a statistically significant decreasing trend
MW-016	Southwest	Barium	Decreased: no statistically significant trend to a statistically significant decreasing trend
MW-016	Southwest	1,2-DCP	Decreased: statistically significant increasing trend to no statistically significant trend.
MS-005	South	Alkalinity	Decreased: statistically significant increasing trend to no statistically significant trend.
MW-023	South	Alkalinity	Decreased: statistically significant increasing trend to no statistically significant trend.
MW-023	South	TDS	Decreased: statistically significant increasing trend to no statistically significant trend.
DW-003	Residential	Alkalinity	Decreased: no statistically significant trend to a statistically significant decreasing trend

NW Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

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

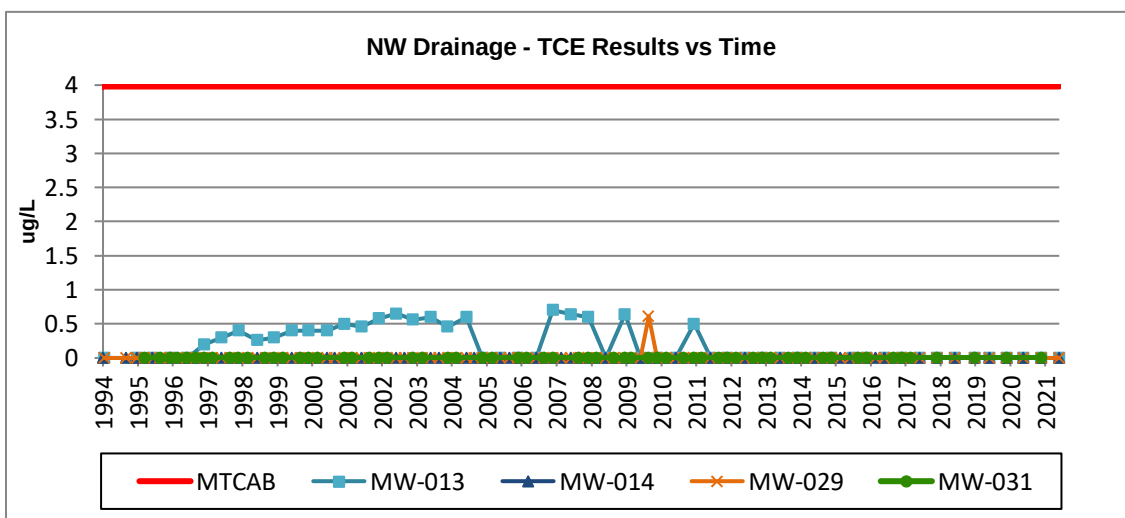
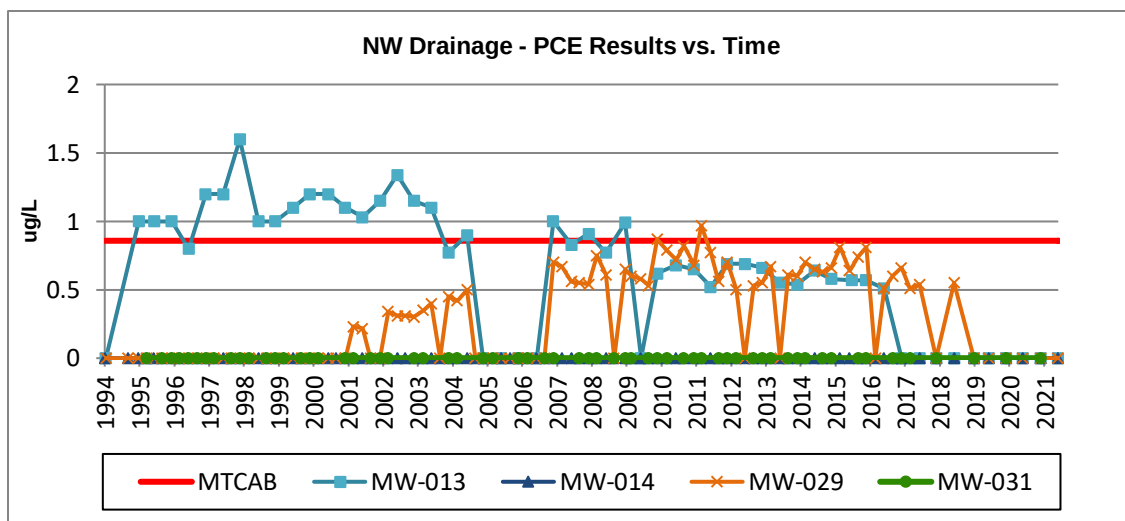
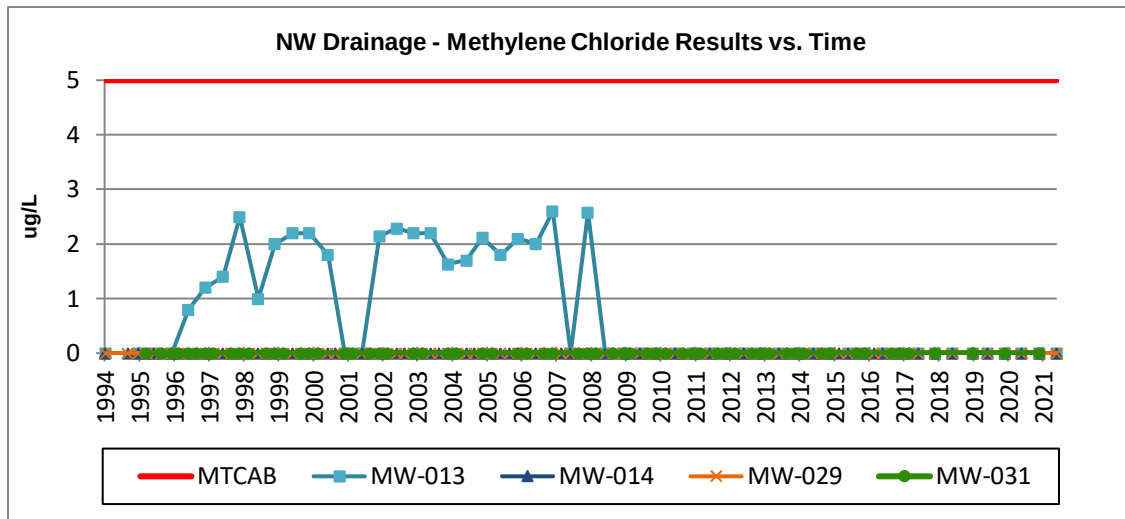
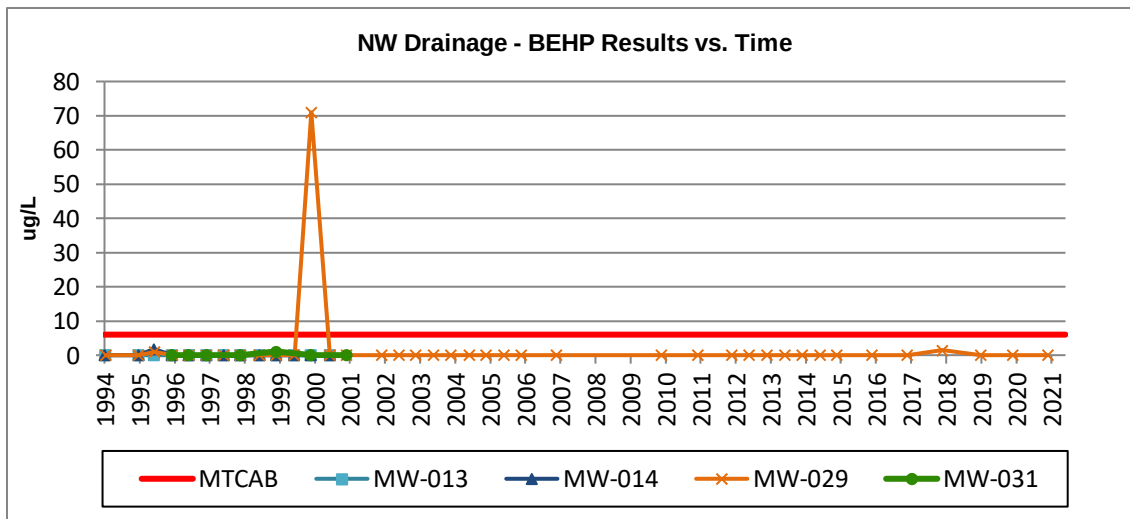
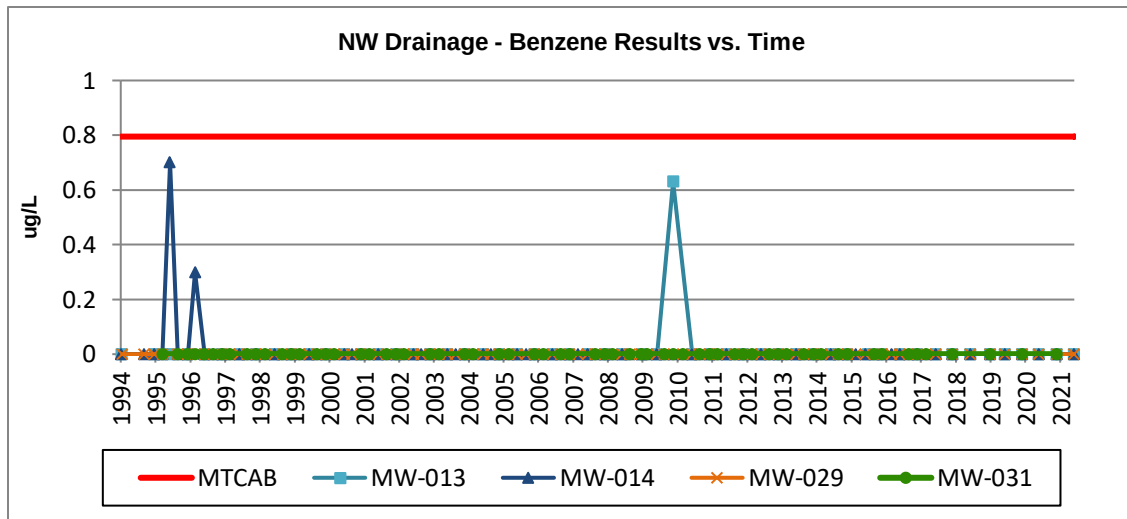
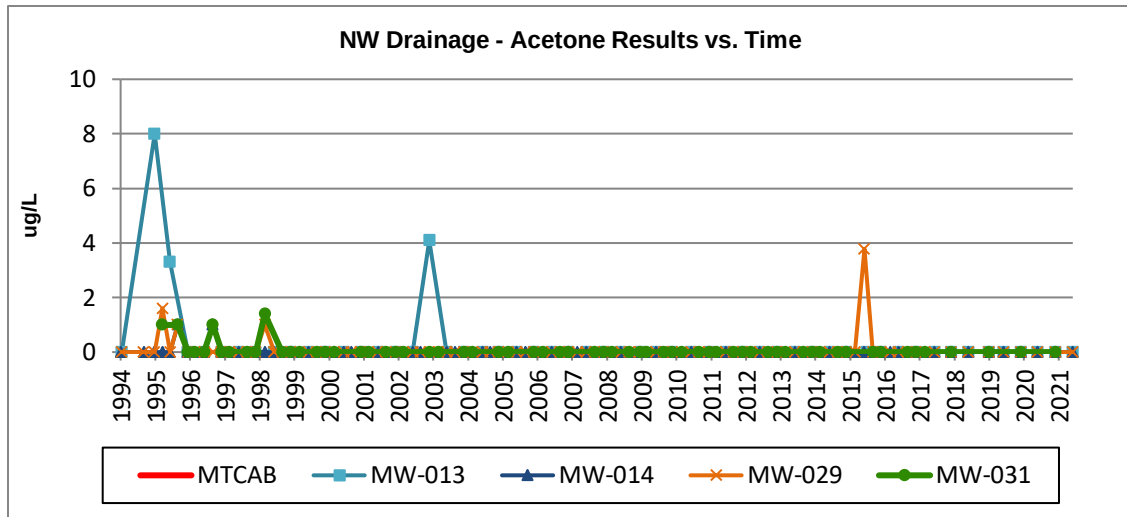


Figure 2-17: NW Wells – VOCs / SVOCs Concentration Graphs (cont.)



NW Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-18: NW Wells – Inorganics Concentration Graphs

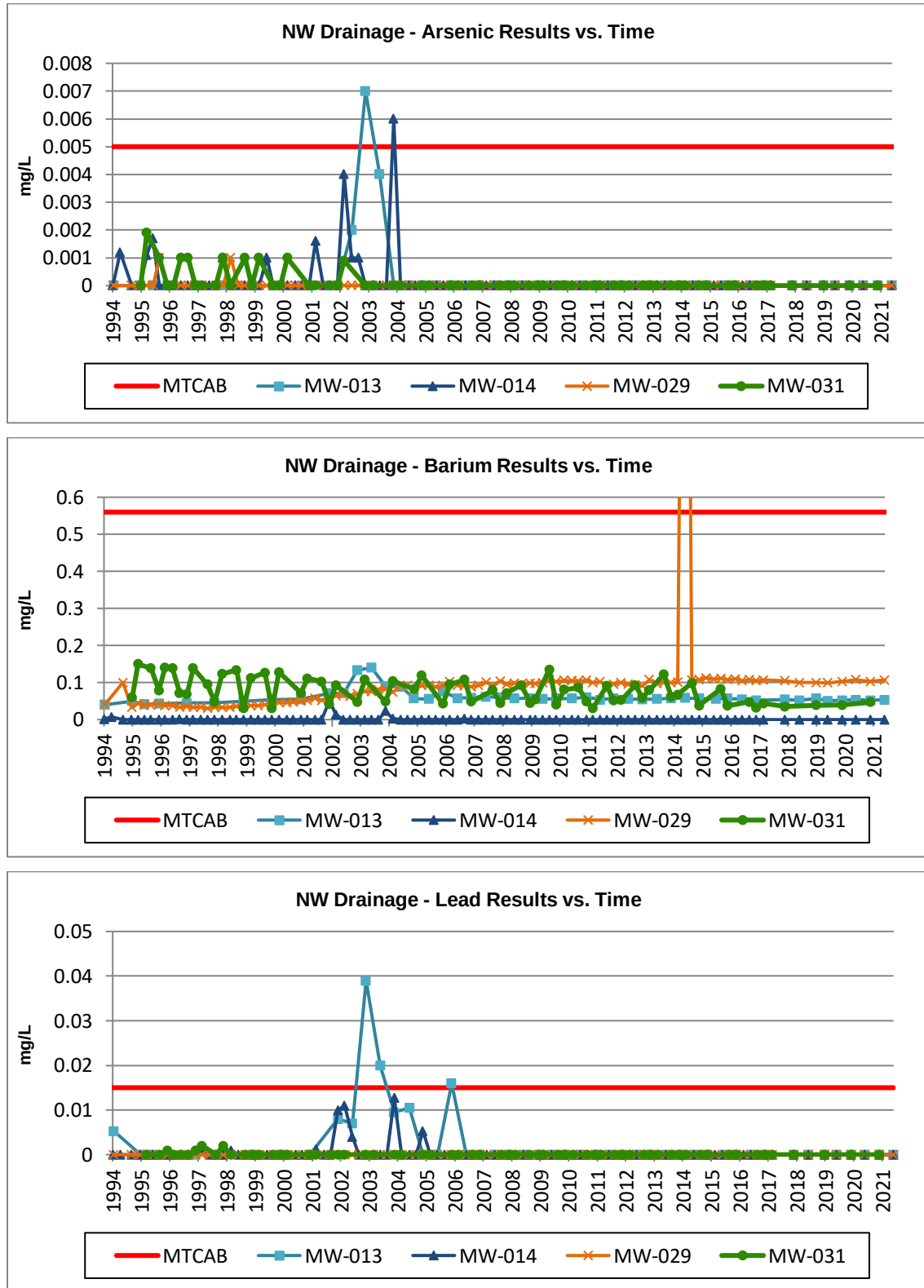
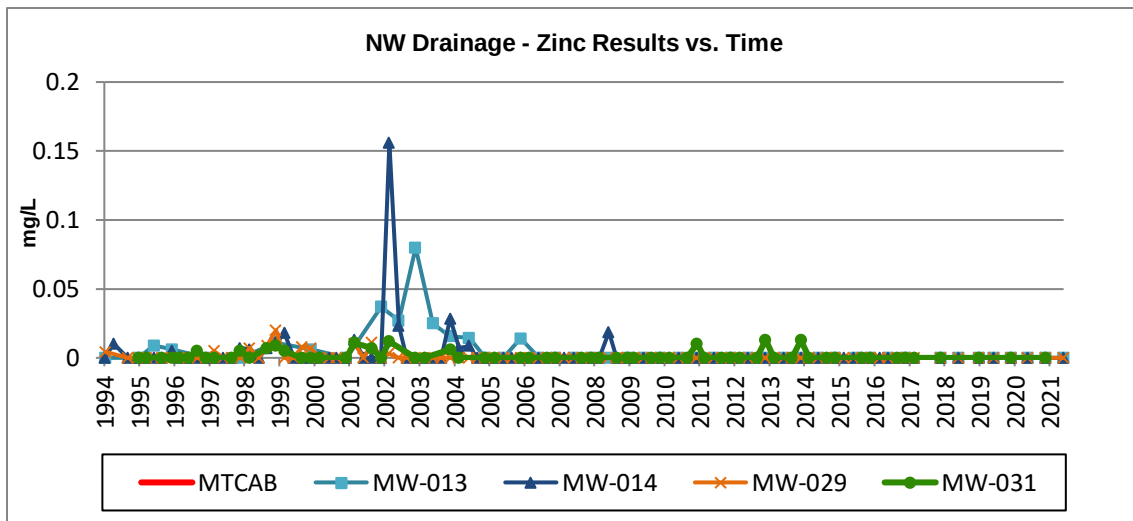
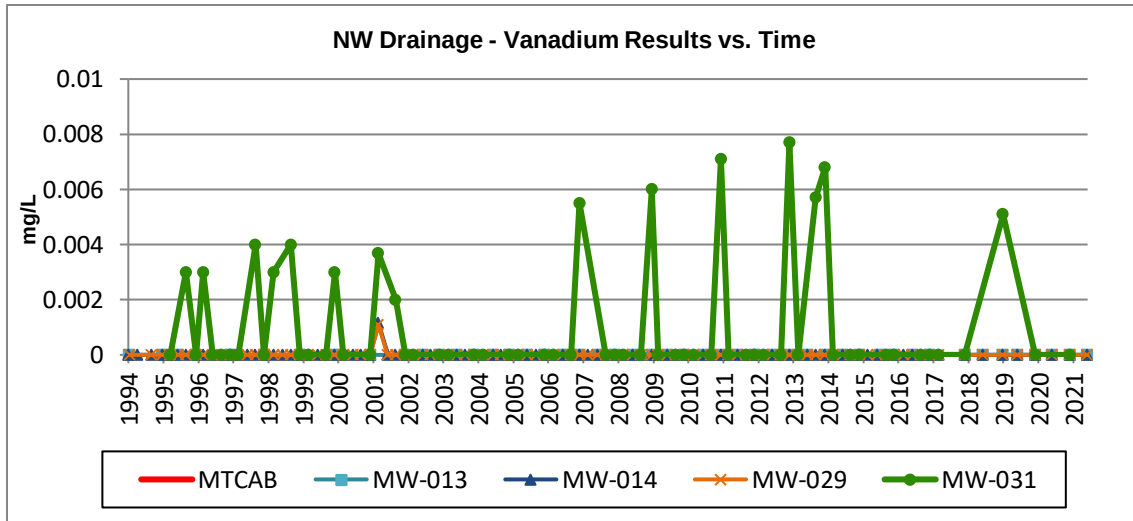
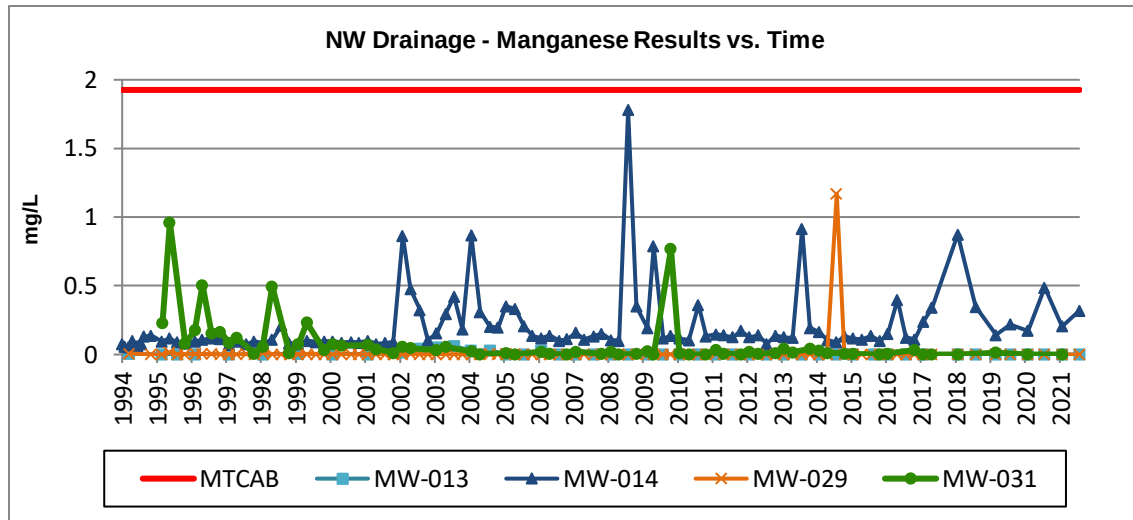


Figure 2-19: NW Wells – Inorganics Concentration Graphs (cont.)



NW Drainage Monitoring Wells: Conventional Time Series Graphs

Figure 2-20: NW Wells – Conventional Concentration Graphs

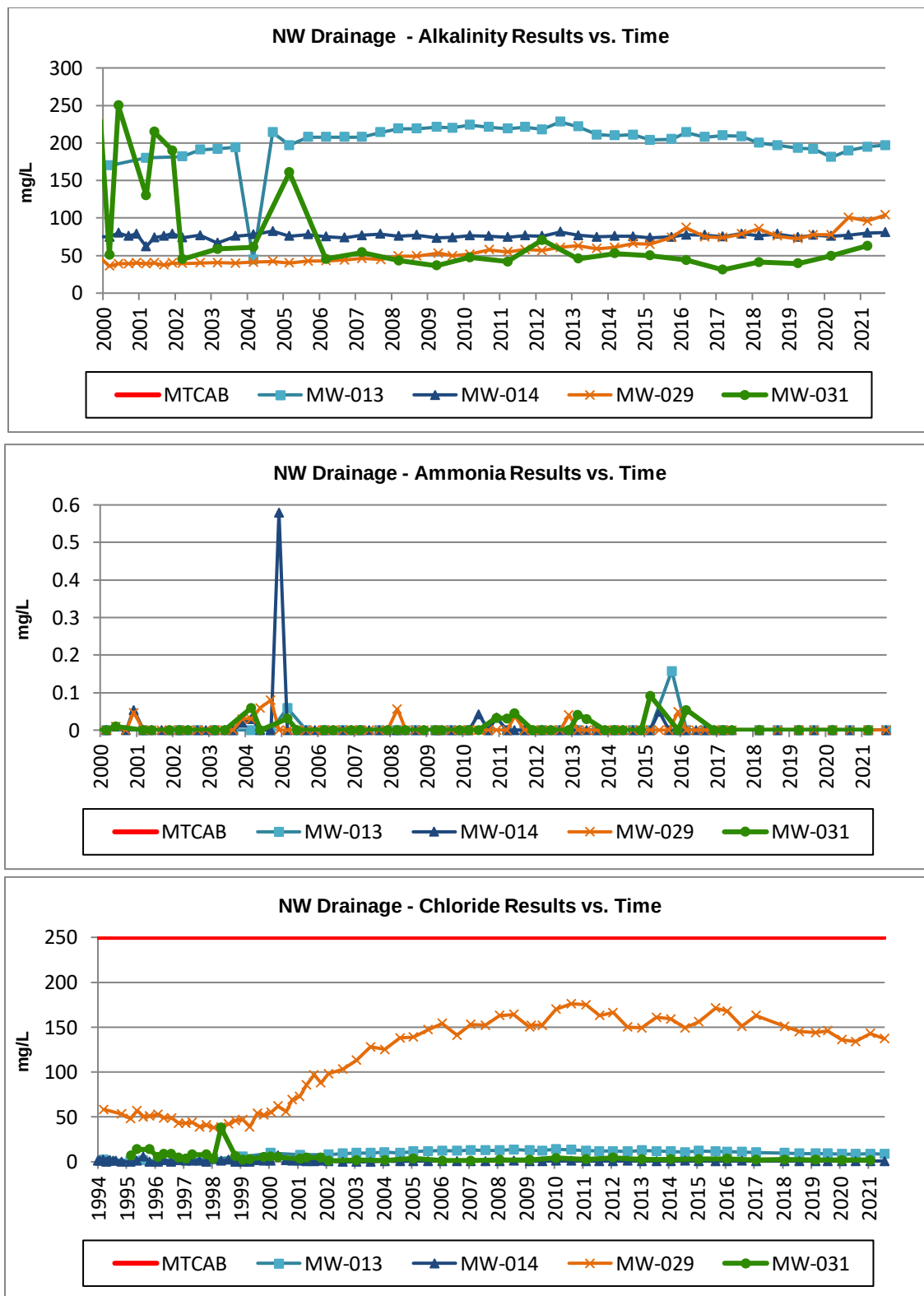


Figure 2-21: NW Wells – Conventional Concentration Graphs (cont.)

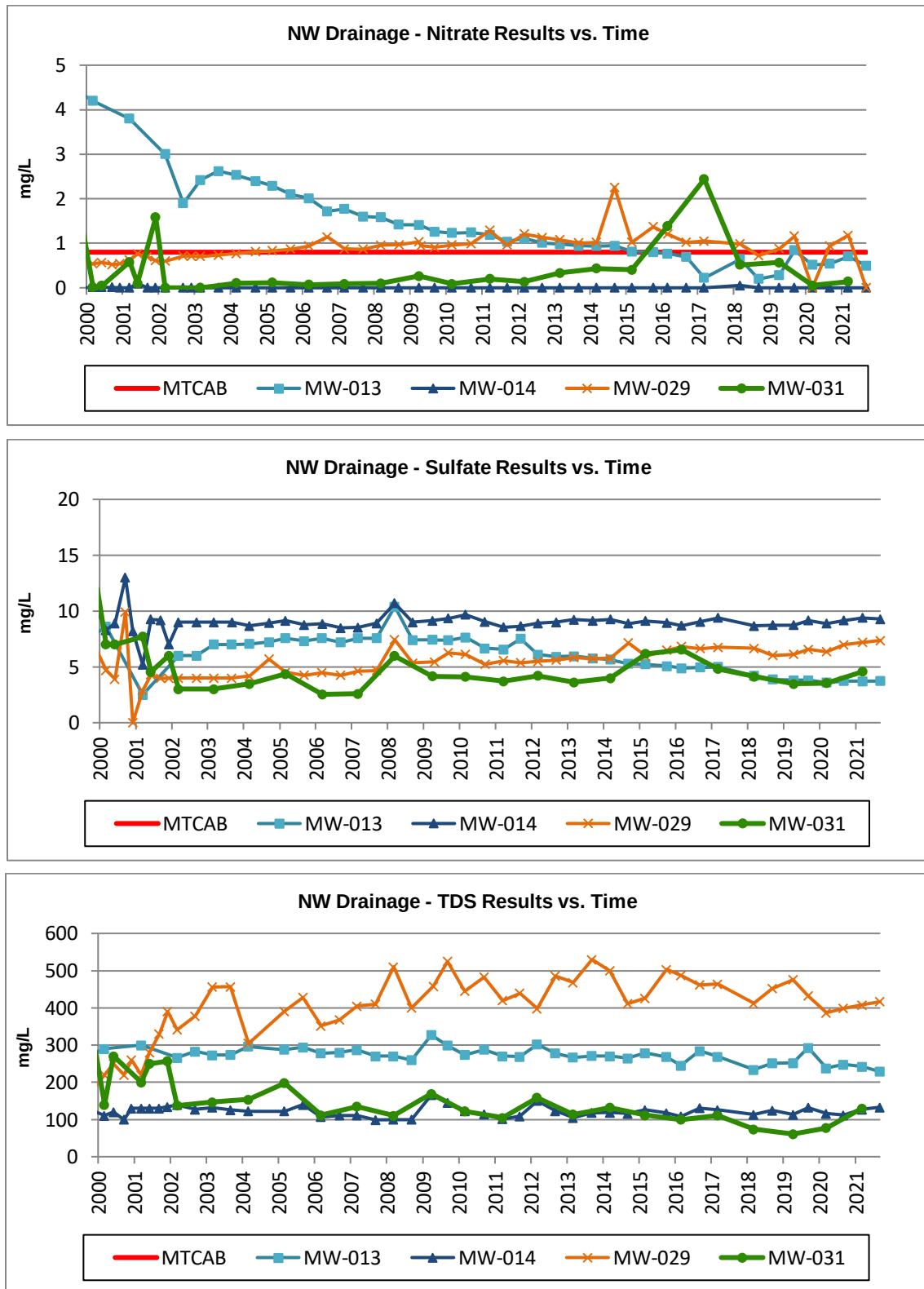
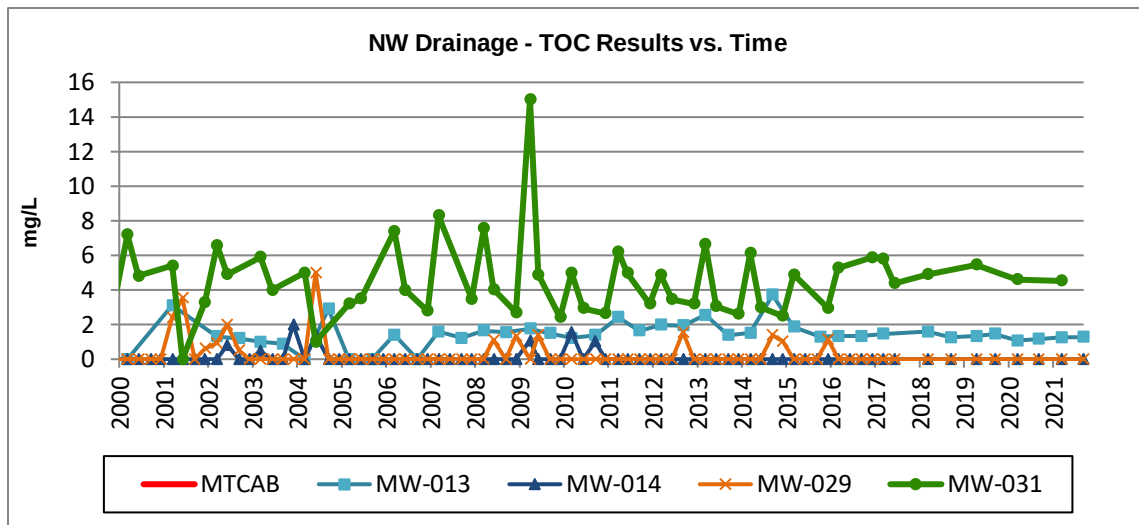


Figure 2-22: NW Wells – Conventional Concentration Graphs (cont.)



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

StationID	DrainageArea	Analyte	- 5 Year Results	- 1 Year Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MW-013	Northwest	1,2-DCP	0	0	0	0	0	ug/L
MW-013	Northwest	Acetone	0	0	0	0	0	ug/L
MW-013	Northwest	ALK	208	190	197	-11	7	mg/L as Ca
MW-013	Northwest	As	0	0	0	0	0	mg/L
MW-013	Northwest	Ba	0.0547	0.0537	0.0532	-0.0015	-0.0005	mg/L
MW-013	Northwest	Benzene	0	0	0	0	0	ug/L
MW-013	Northwest	Cl	11.1	8.82	8.77	-2.33	-0.05	mg/L
MW-013	Northwest	DCA	1.37	1.15	0.85	-0.52	-0.3	ug/L
MW-013	Northwest	MC	0	0	0	0	0	ug/L
MW-013	Northwest	Mn	0	0	0	0	0	mg/L
MW-013	Northwest	N-NH3	0	0	0	0	0	mg/L
MW-013	Northwest	N-NO3	0.689	0.536	0.495	-0.194	-0.041	mg/L
MW-013	Northwest	Pb	0	0	0	0	0	mg/L
MW-013	Northwest	PCE	0.51	0	0	-0.51	0	ug/L
MW-013	Northwest	SO4	4.95	3.73	3.74	-1.21	0.01	mg/L
MW-013	Northwest	TCE	0	0	0	0	0	ug/L
MW-013	Northwest	TDS	284	248	229	-55	-19	mg/L
MW-013	Northwest	TOC	1.33	1.17	1.27	-0.06	0.1	mg/L
MW-013	Northwest	Toluene	0	0	0	0	0	ug/L
MW-013	Northwest	VC	0	0	0	0	0	ug/L
MW-013	Northwest	Zn	0	0	0	0	0	mg/L
MW-014	Northwest	1,2-DCP	0	0	0	0	0	ug/L
MW-014	Northwest	Acetone	0	0	0	0	0	ug/L
MW-014	Northwest	ALK	77.2	77.5	80.7	3.5	3.2	mg/L as Ca
MW-014	Northwest	As	0	0	0	0	0	mg/L
MW-014	Northwest	Ba	0	0	0	0	0	mg/L
MW-014	Northwest	Benzene	0	0	0	0	0	ug/L
MW-014	Northwest	Cl	1.15	0.72	0.73	-0.42	0.01	mg/L
MW-014	Northwest	DCA	0	0	0	0	0	ug/L
MW-014	Northwest	MC	0	0	0	0	0	ug/L
MW-014	Northwest	Mn	0.124	0.488	0.32	0.196	-0.168	mg/L
MW-014	Northwest	N-NH3	0	0	0	0	0	mg/L
MW-014	Northwest	N-NO3	0	0	0	0	0	mg/L
MW-014	Northwest	Pb	0	0	0	0	0	mg/L
MW-014	Northwest	PCE	0	0	0	0	0	ug/L
MW-014	Northwest	SO4	9.04	9.17	9.28	0.24	0.11	mg/L
MW-014	Northwest	TCE	0	0	0	0	0	ug/L
MW-014	Northwest	TDS	131	112	133	2	21	mg/L
MW-014	Northwest	TOC	0	0	0	0	0	mg/L
MW-014	Northwest	Toluene	0	0	0	0	0	ug/L
MW-014	Northwest	VC	0	0	0	0	0	ug/L
MW-014	Northwest	Zn	0	0	0	0	0	mg/L
MW-029	Northwest	1,2-DCP	0	0	0	0	0	ug/L
MW-029	Northwest	Acetone	0	0	0	0	0	ug/L
MW-029	Northwest	ALK	74.9	101	104	29.1	3	mg/L as Ca
MW-029	Northwest	As	0	0	0	0	0	mg/L
MW-029	Northwest	Ba	0.105	0.108	0.107	0.002	-0.001	mg/L
MW-029	Northwest	Benzene	0	0	0	0	0	ug/L
MW-029	Northwest	Cl	151	134	137	-14	3	mg/L
MW-029	Northwest	DCA	0	0	0	0	0	ug/L

MW-029	Northwest	MC	0	0	0	0	0	ug/L
MW-029	Northwest	Mn	0	0	0	0	0	mg/L
MW-029	Northwest	N-NH3	0	0	0	0	0	mg/L
MW-029	Northwest	N-NO3	1.02	0.937	0	-1.02	-0.937	mg/L
MW-029	Northwest	Pb	0	0	0	0	0	mg/L
MW-029	Northwest	PCE	0.51	0	0	-0.51	0	ug/L
MW-029	Northwest	SO4	6.63	6.98	7.35	0.72	0.37	mg/L
MW-029	Northwest	TCE	0	0	0	0	0	ug/L
MW-029	Northwest	TDS	462	399	417	-45	18	mg/L
MW-029	Northwest	TOC	0	0	0	0	0	mg/L
MW-029	Northwest	Toluene	0	0	0	0	0	ug/L
MW-029	Northwest	VC	0	0	0	0	0	ug/L
MW-029	Northwest	Zn	0	0	0	0	0	mg/L

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

SW Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

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

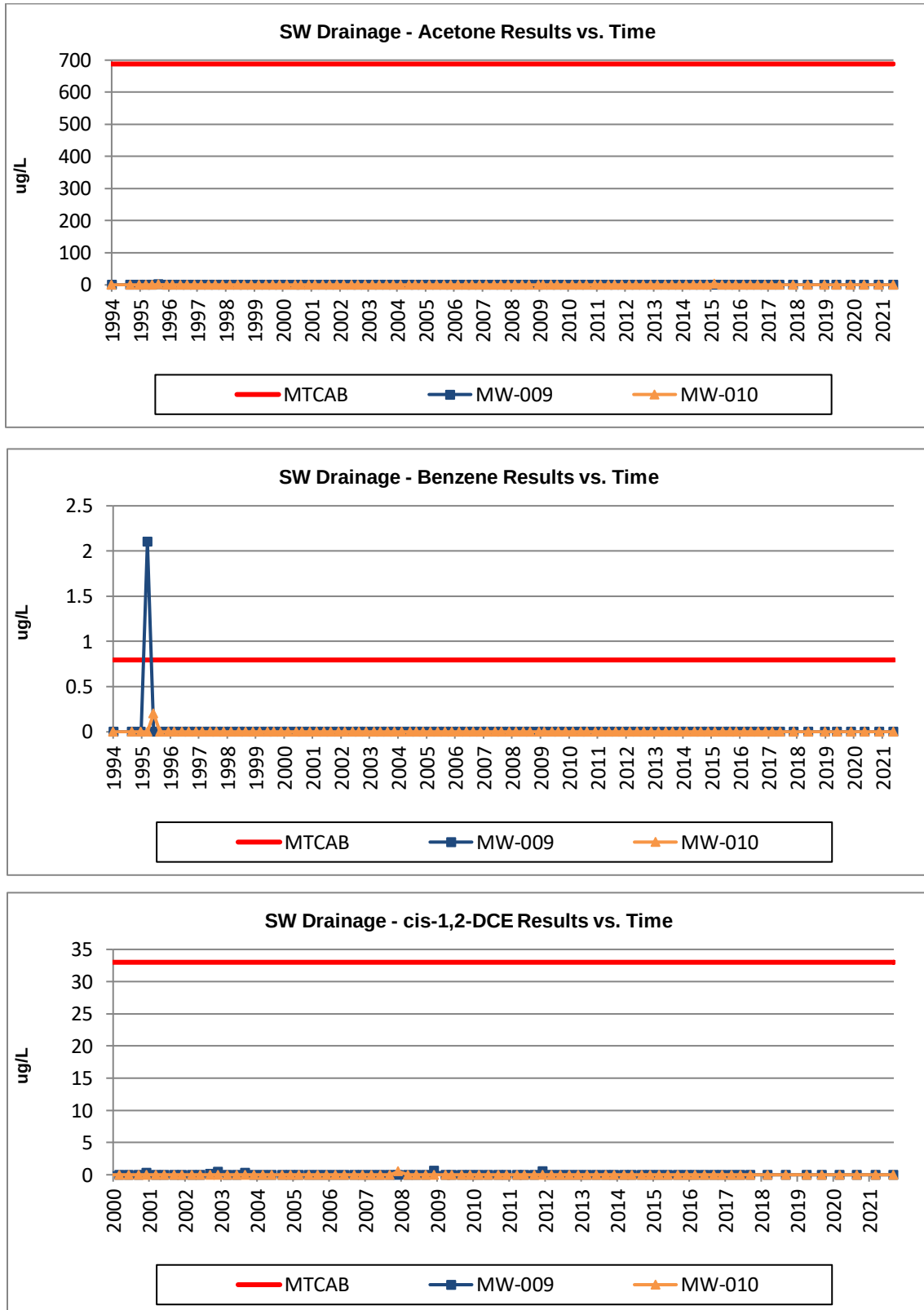


Figure 2-24: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)

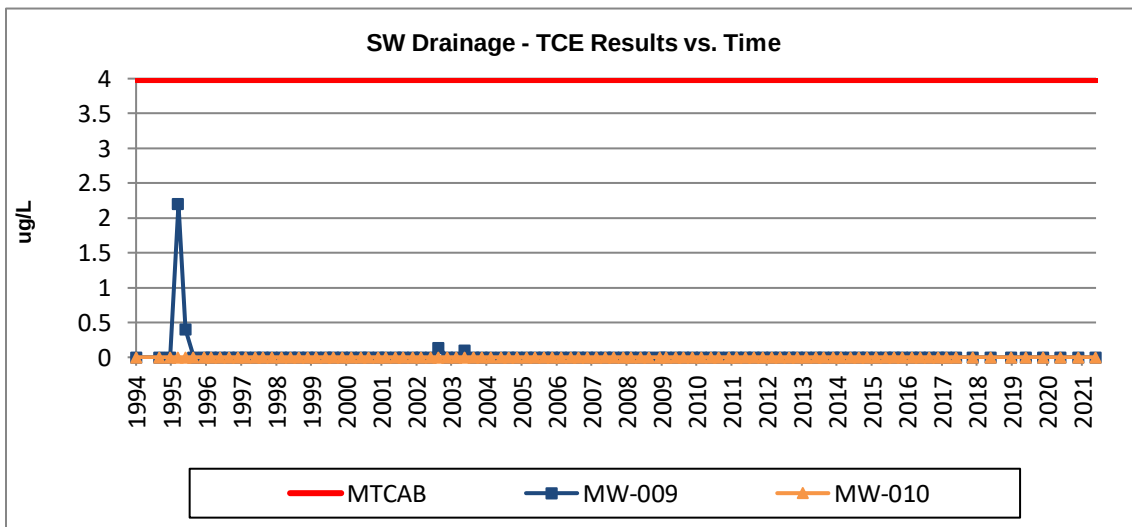
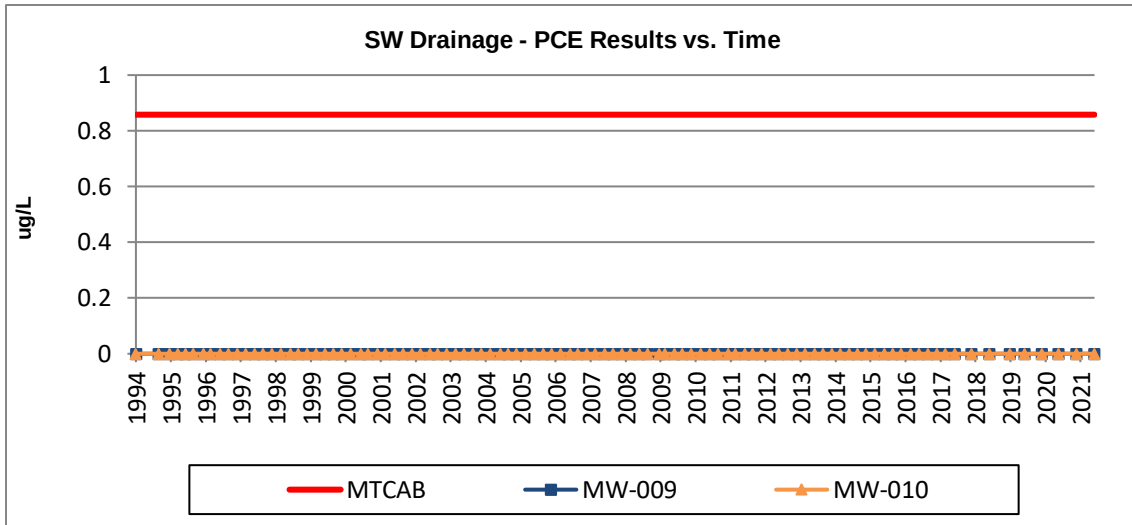
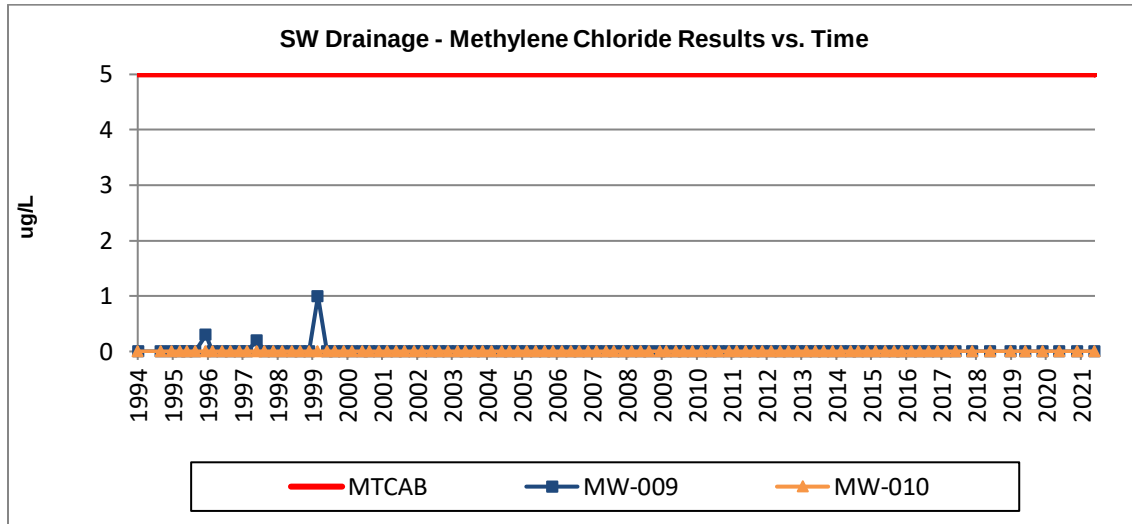


Figure 2-25: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)

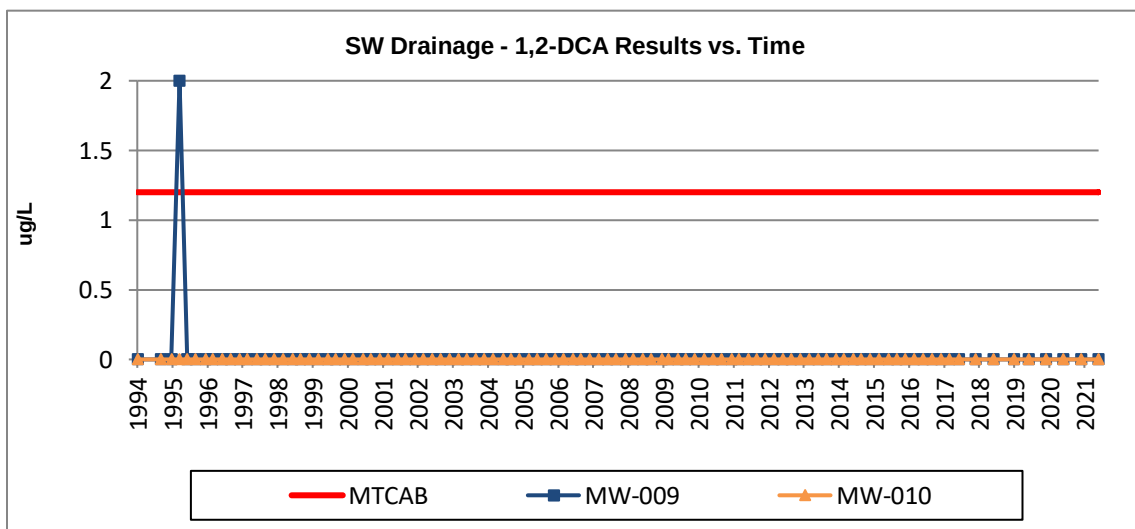
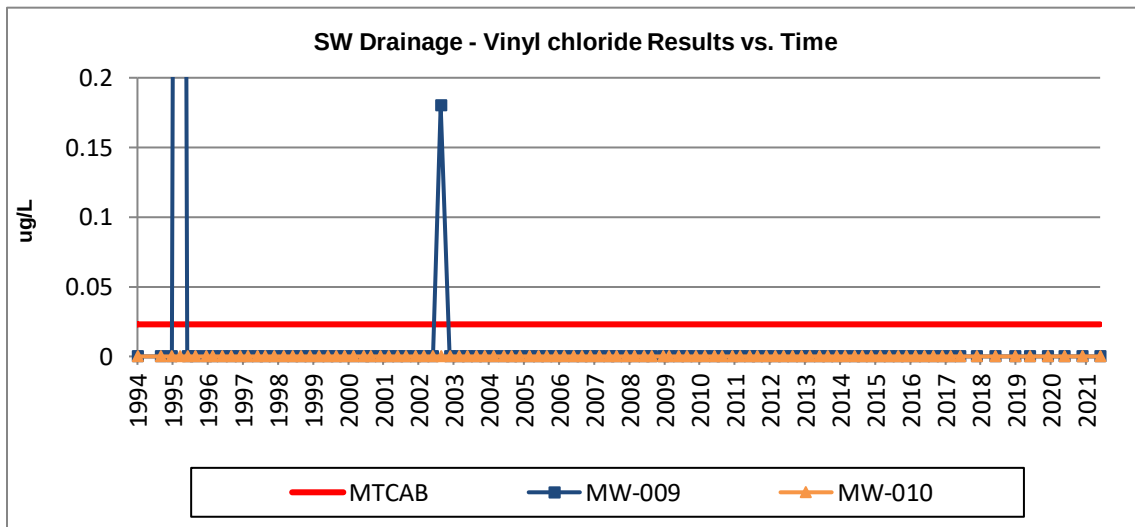
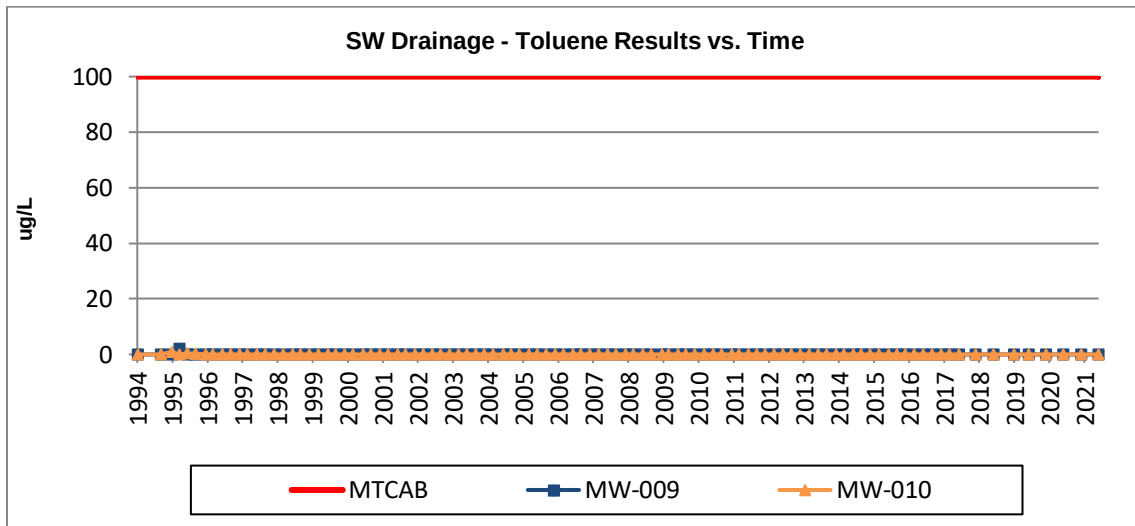
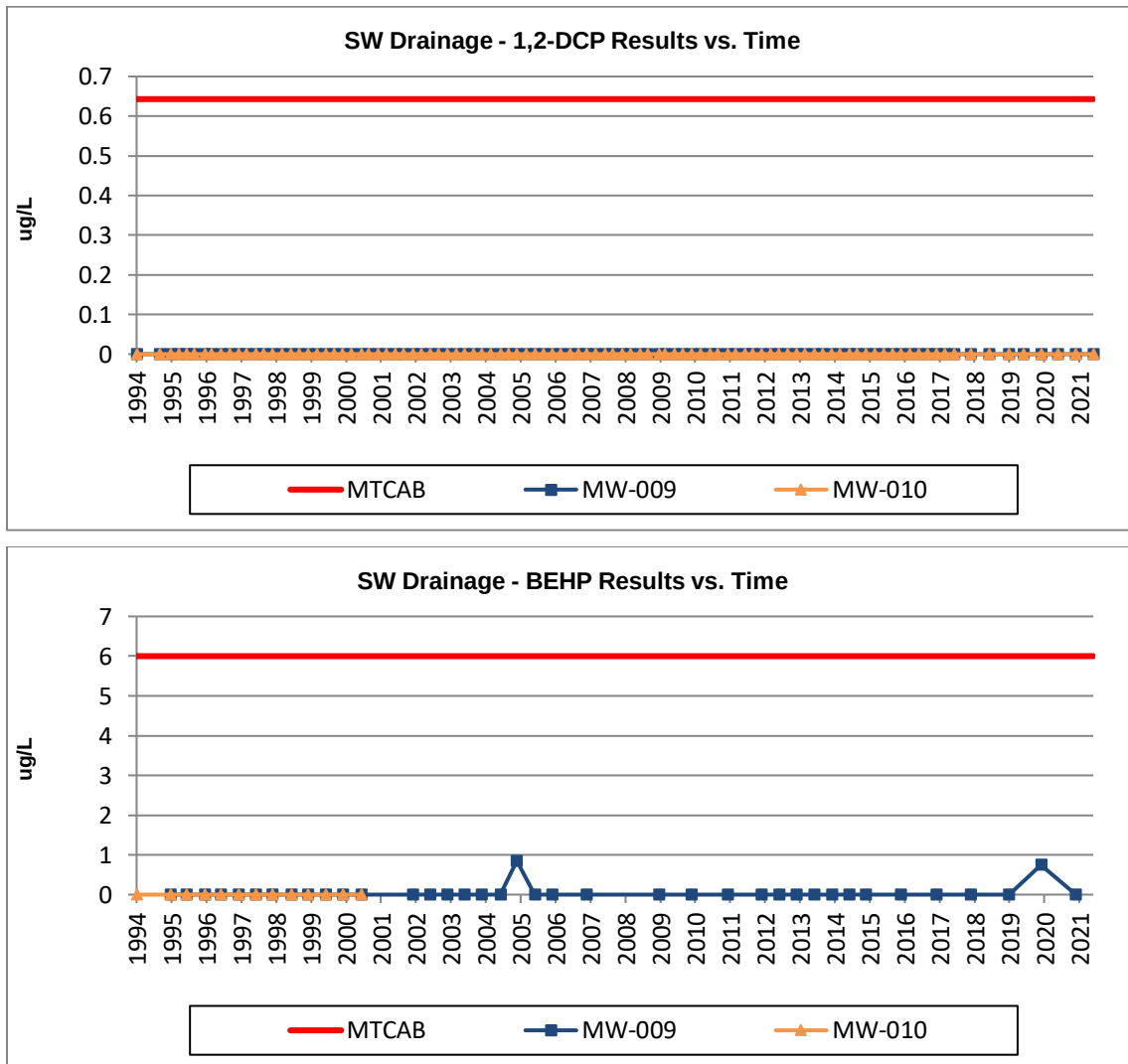


Figure 2-26: SW Wells – VOCs / SVOCs Concentration Graphs (cont.)



SW Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-27: SW Wells – Inorganics Concentration Graphs

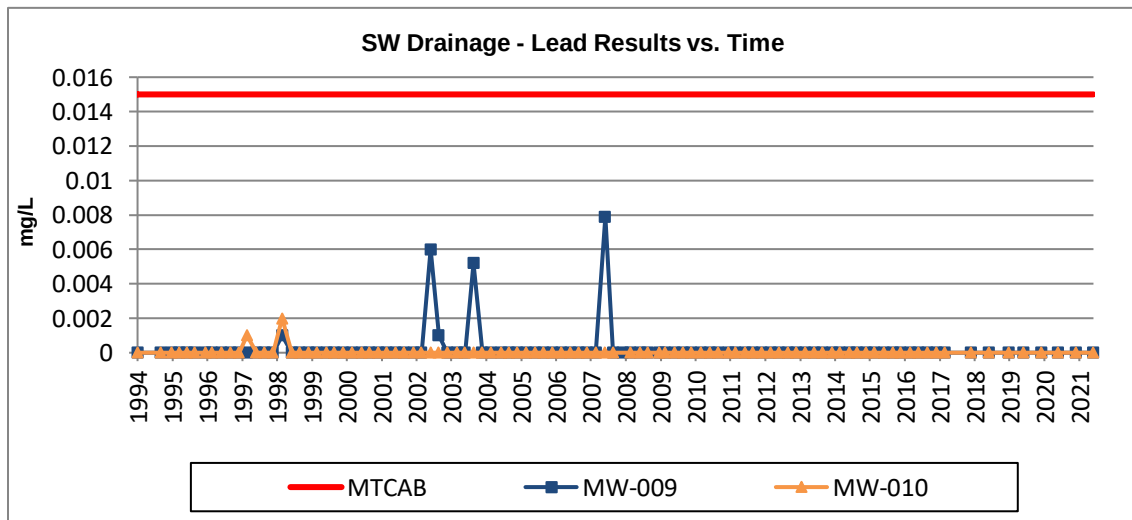
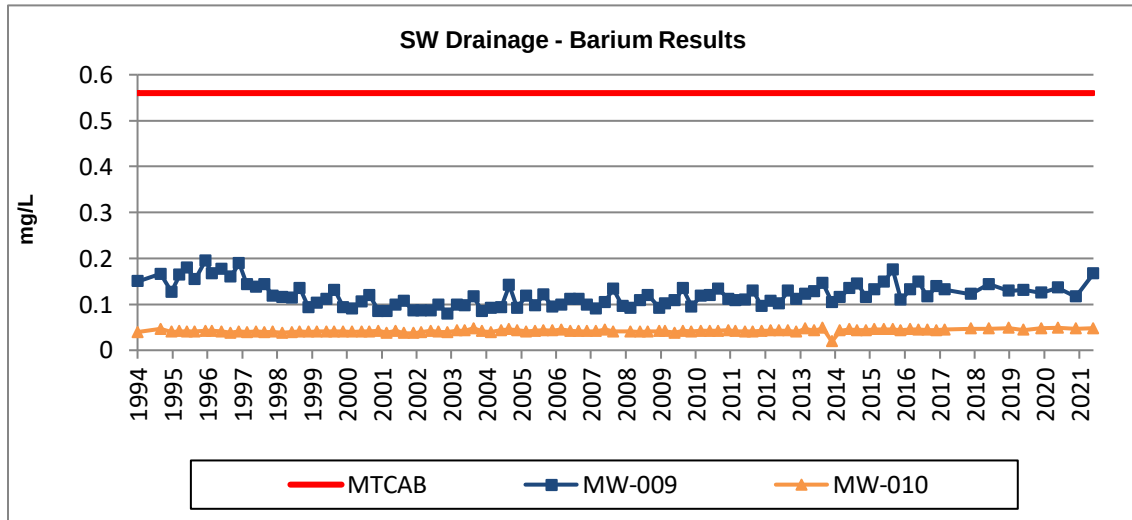
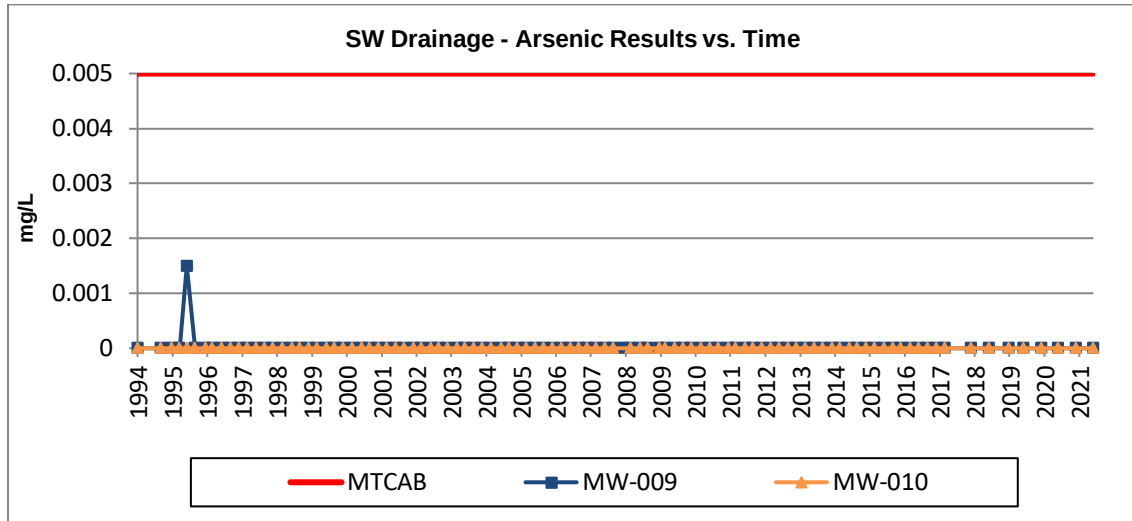
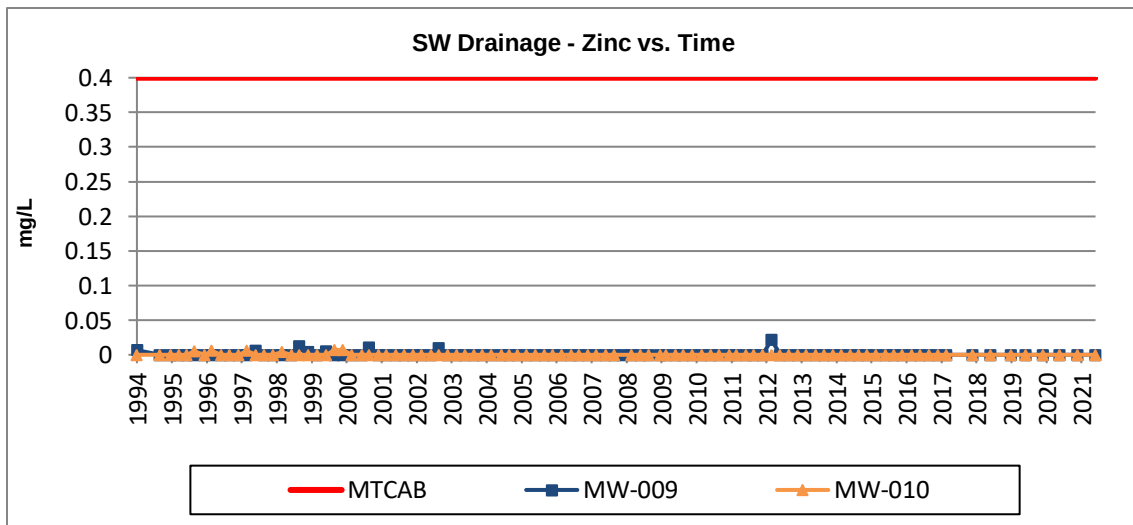
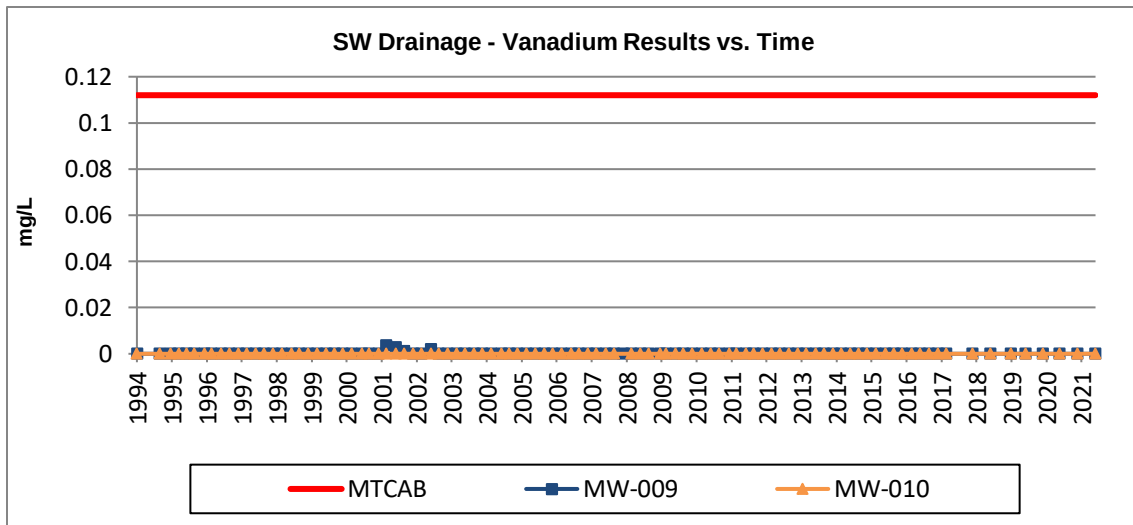
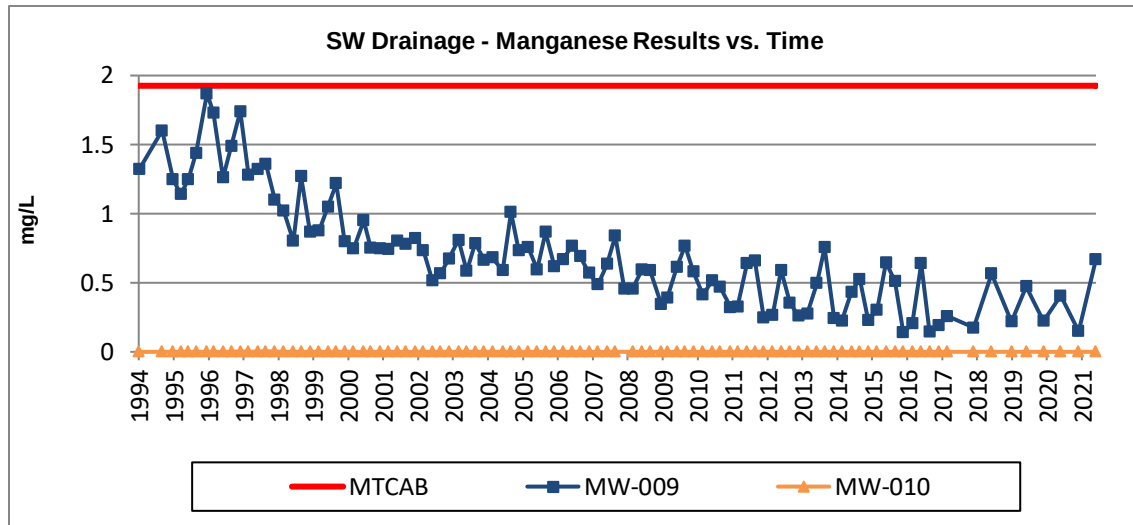


Figure 2-28: SW Wells – Inorganics Concentration Graphs (cont.)



SW Drainage Monitoring Wells: Conventional Time Series Graphs

Figure 2-29: SW Wells – Conventional Concentration Graphs

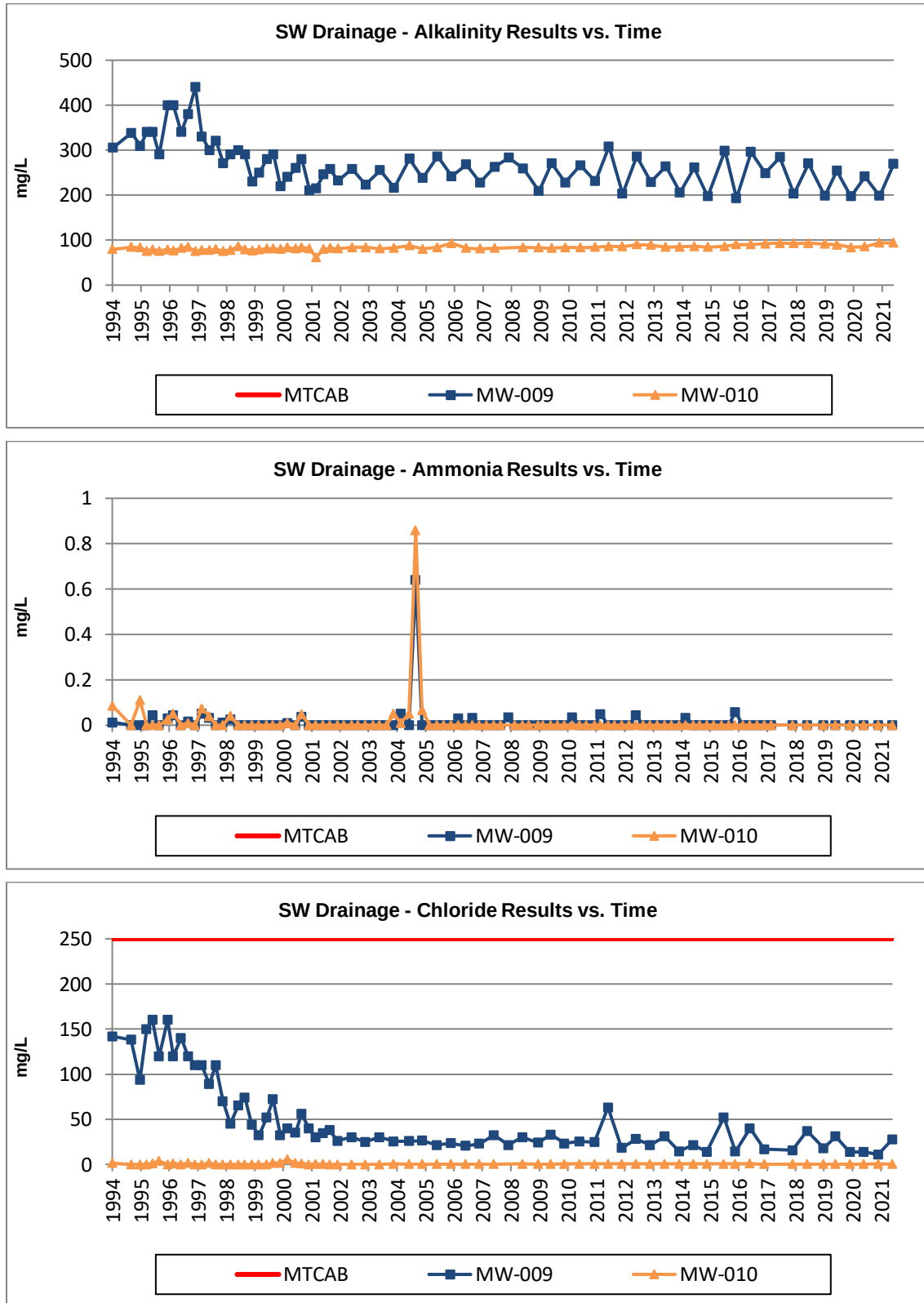


Figure 2-30: SW Wells – Conventional Concentration Graphs (cont.)

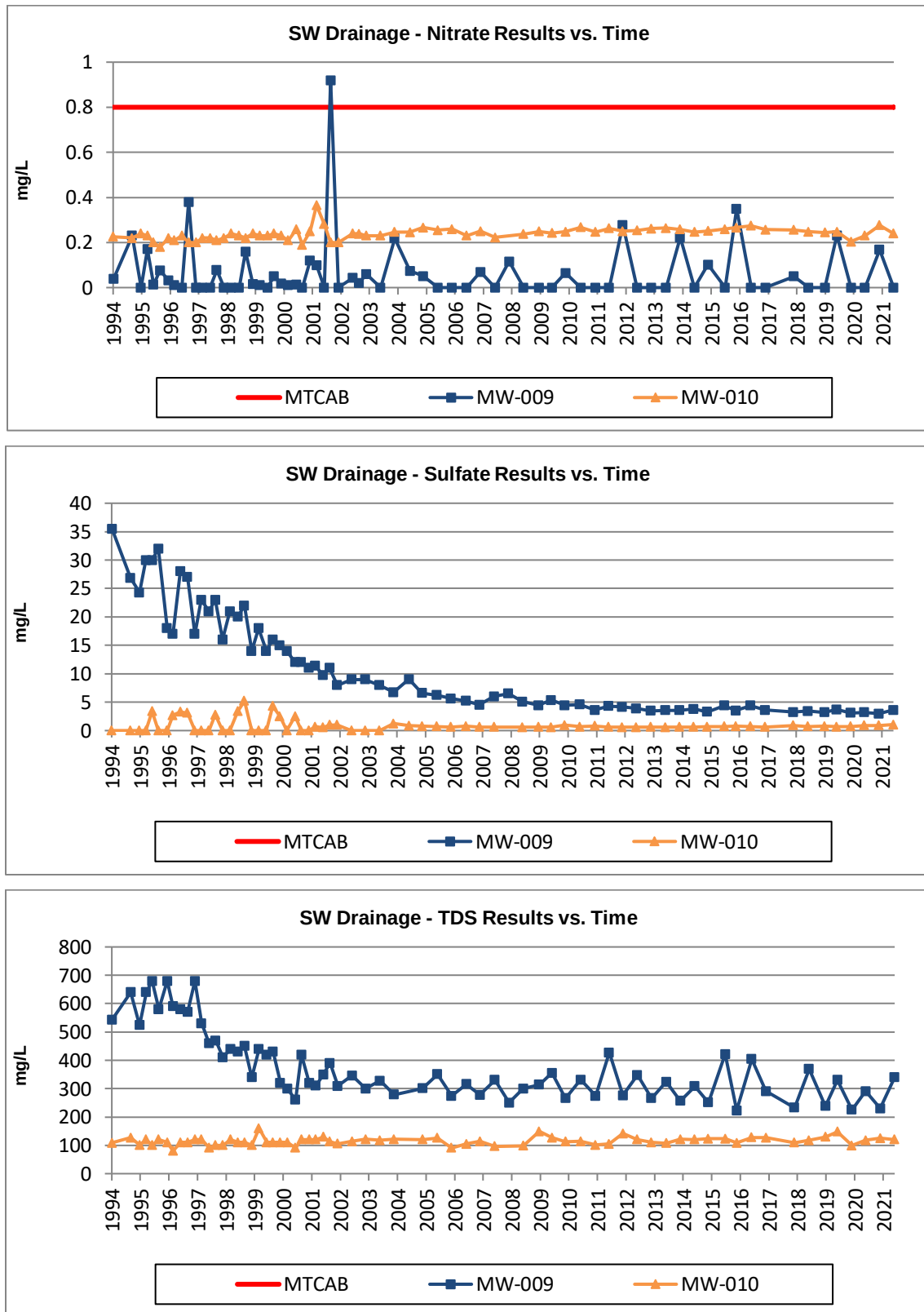
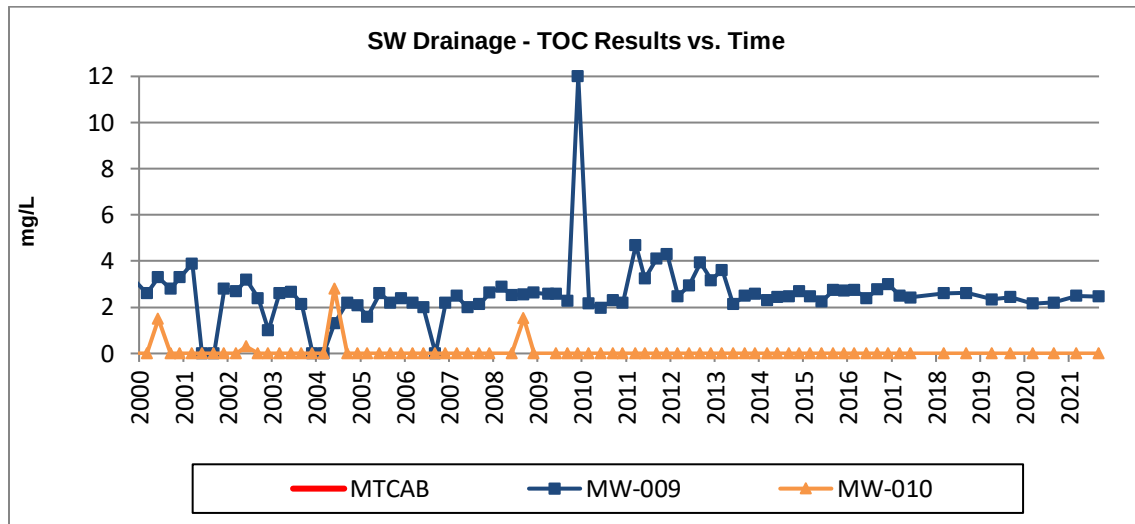


Figure 2-31: SW Wells – Conventional Concentration Graphs (cont.)



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

StationID	DrainageArea	Analyte	- 5 Year Results	- 1 Year Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MW-009	Southwest	1,2-DCP	0	0	0	0	0	ug/L
MW-009	Southwest	Acetone	0	0	0	0	0	ug/L
MW-009	Southwest	ALK	296	241	268	-28	27	mg/L as Ca
MW-009	Southwest	As	0	0	0	0	0	mg/L
MW-009	Southwest	Ba	0.149	0.136	0.167	0.018	0.031	mg/L
MW-009	Southwest	Benzene	0	0	0	0	0	ug/L
MW-009	Southwest	Cl	40	13.9	27.7	-12.3	13.8	mg/L
MW-009	Southwest	DCA	0	0	0	0	0	ug/L
MW-009	Southwest	MC	0	0	0	0	0	ug/L
MW-009	Southwest	Mn	0.64	0.405	0.668	0.028	0.263	mg/L
MW-009	Southwest	N-NH3	0	0	0	0	0	mg/L
MW-009	Southwest	N-NO3	0	0	0	0	0	mg/L
MW-009	Southwest	Pb	0	0	0	0	0	mg/L
MW-009	Southwest	PCE	0	0	0	0	0	ug/L
MW-009	Southwest	SO4	4.41	3.2	3.6	-0.81	0.4	mg/L
MW-009	Southwest	TCE	0	0	0	0	0	ug/L
MW-009	Southwest	TDS	404	291	339	-65	48	mg/L
MW-009	Southwest	TOC	2.77	2.21	2.47	-0.3	0.26	mg/L
MW-009	Southwest	Toluene	0	0	0	0	0	ug/L
MW-009	Southwest	VC	0	0	0	0	0	ug/L
MW-009	Southwest	Zn	0	0	0	0	0	mg/L
MW-010	Southwest	1,2-DCP	0	0	0	0	0	ug/L
MW-010	Southwest	Acetone	0	0	0	0	0	ug/L
MW-010	Southwest	ALK	90.2	85.7	93.8	3.6	8.1	mg/L as Ca
MW-010	Southwest	As	0	0	0	0	0	mg/L
MW-010	Southwest	Ba	0.0452	0.0489	0.0479	0.0027	-0.001	mg/L
MW-010	Southwest	Benzene	0	0	0	0	0	ug/L
MW-010	Southwest	Cl	0.77	0.4	0.41	-0.36	0.01	mg/L
MW-010	Southwest	DCA	0	0	0	0	0	ug/L
MW-010	Southwest	MC	0	0	0	0	0	ug/L
MW-010	Southwest	Mn	0	0	0	0	0	mg/L
MW-010	Southwest	N-NH3	0	0	0	0	0	mg/L
MW-010	Southwest	N-NO3	0.274	0.23	0.24	-0.034	0.01	mg/L
MW-010	Southwest	Pb	0	0	0	0	0	mg/L
MW-010	Southwest	PCE	0	0	0	0	0	ug/L
MW-010	Southwest	SO4	0.72	0.92	1.02	0.3	0.1	mg/L
MW-010	Southwest	TCE	0	0	0	0	0	ug/L
MW-010	Southwest	TDS	128	118	120	-8	2	mg/L
MW-010	Southwest	TOC	0	0	0	0	0	mg/L
MW-010	Southwest	Toluene	0	0	0	0	0	ug/L
MW-010	Southwest	VC	0	0	0	0	0	ug/L
MW-010	Southwest	Zn	0	0	0	0	0	mg/L

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

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

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

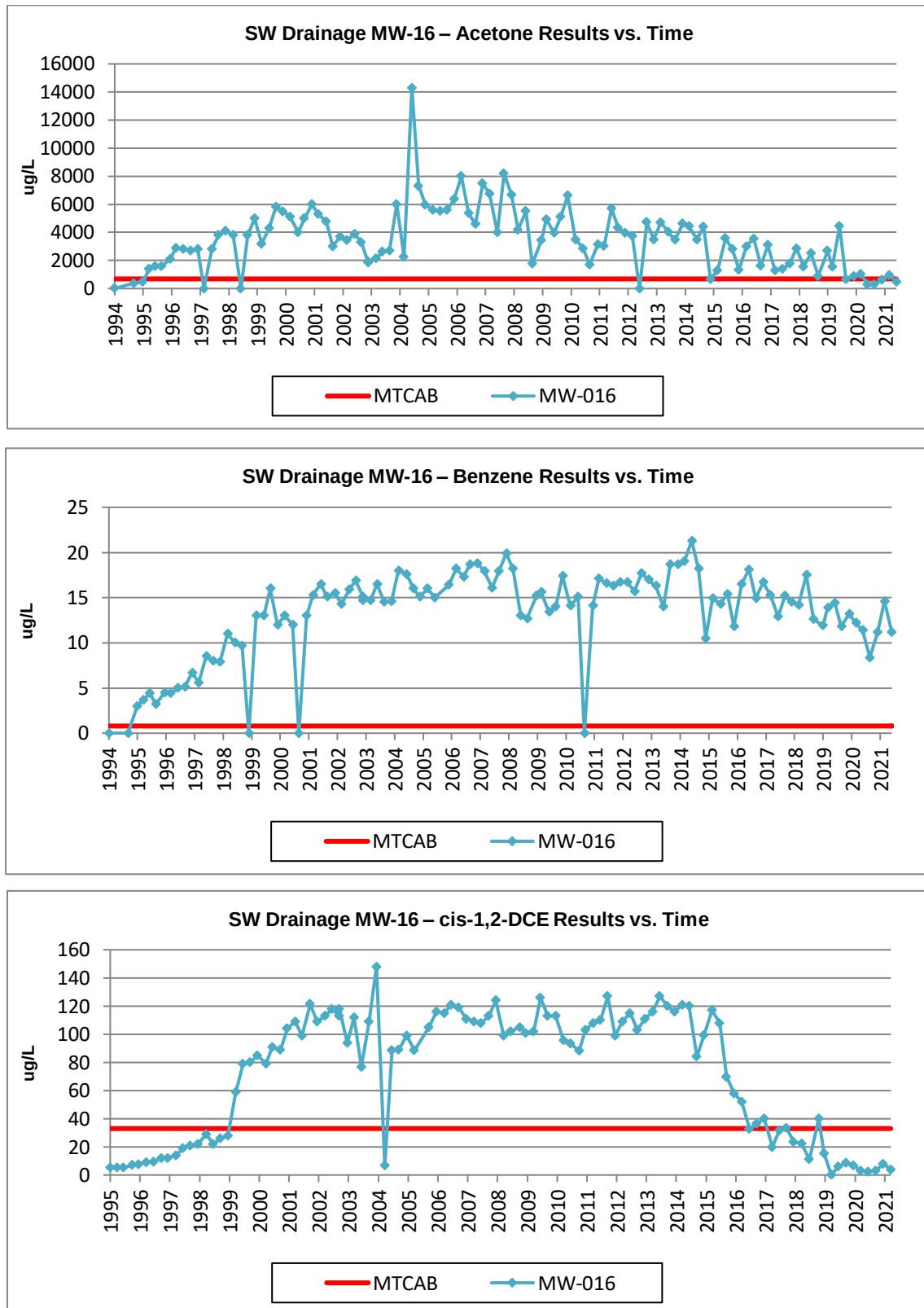


Figure 2-33: MW-016 VOCs / SVOCs Concentration Graphs (cont.)

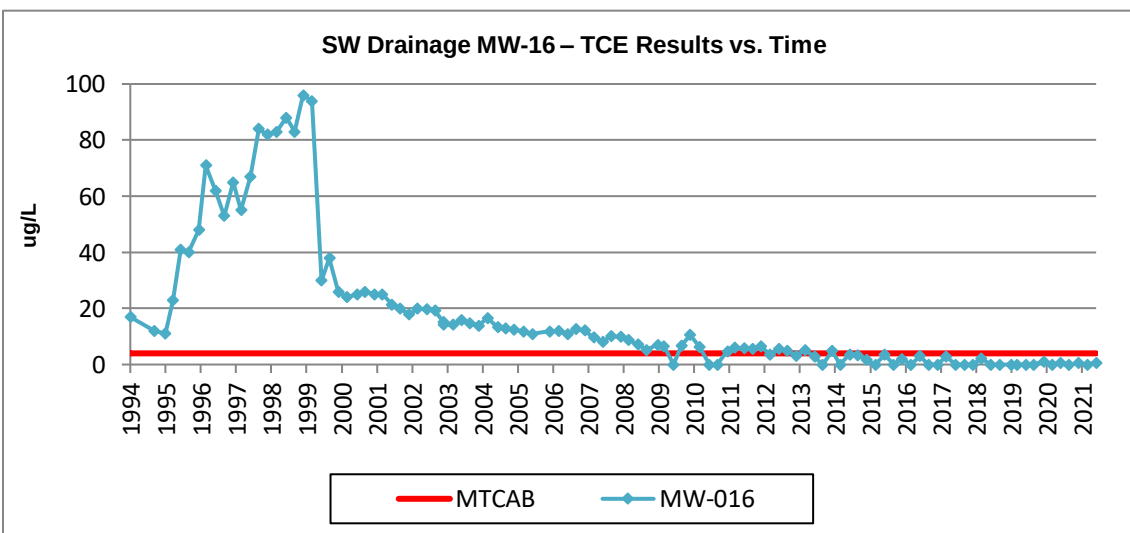
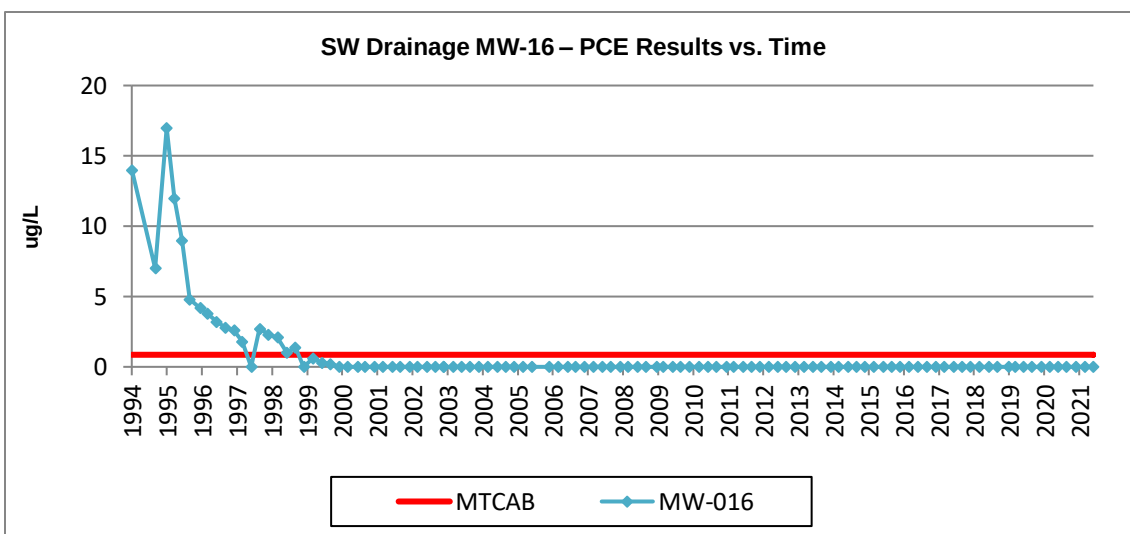
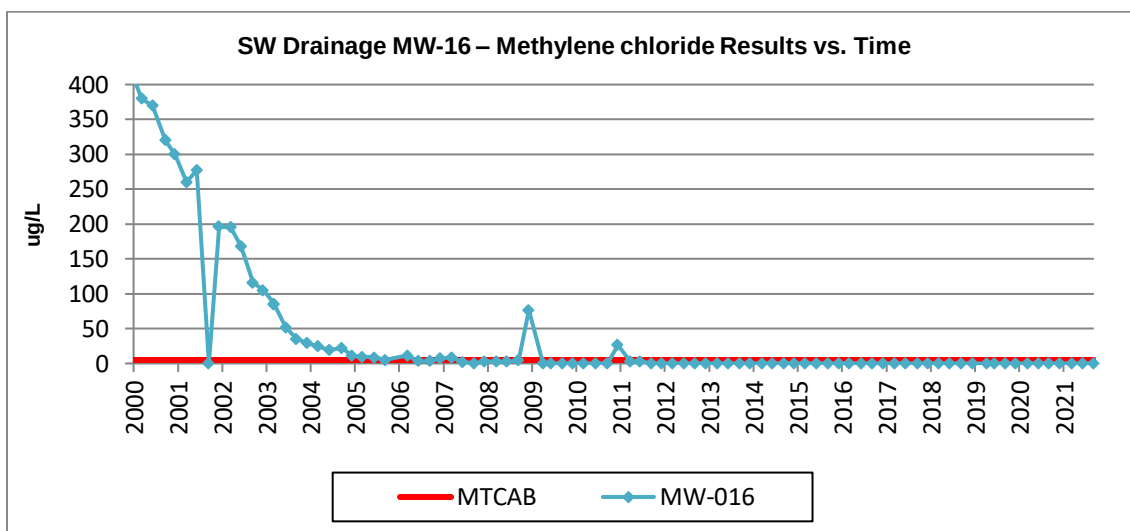


Figure 2-34: MW-016 VOCs / SVOCs Concentration Graphs (cont.)

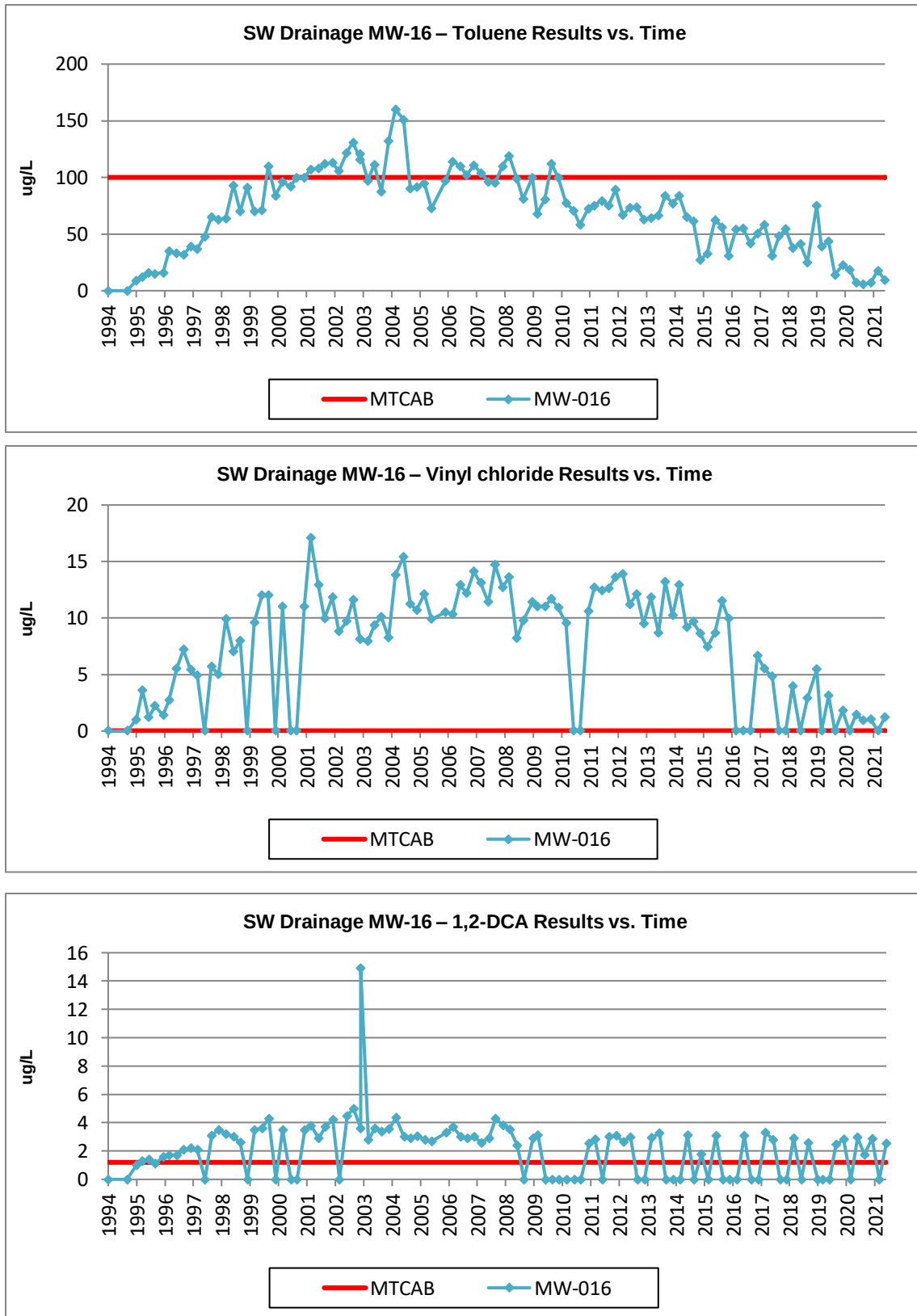
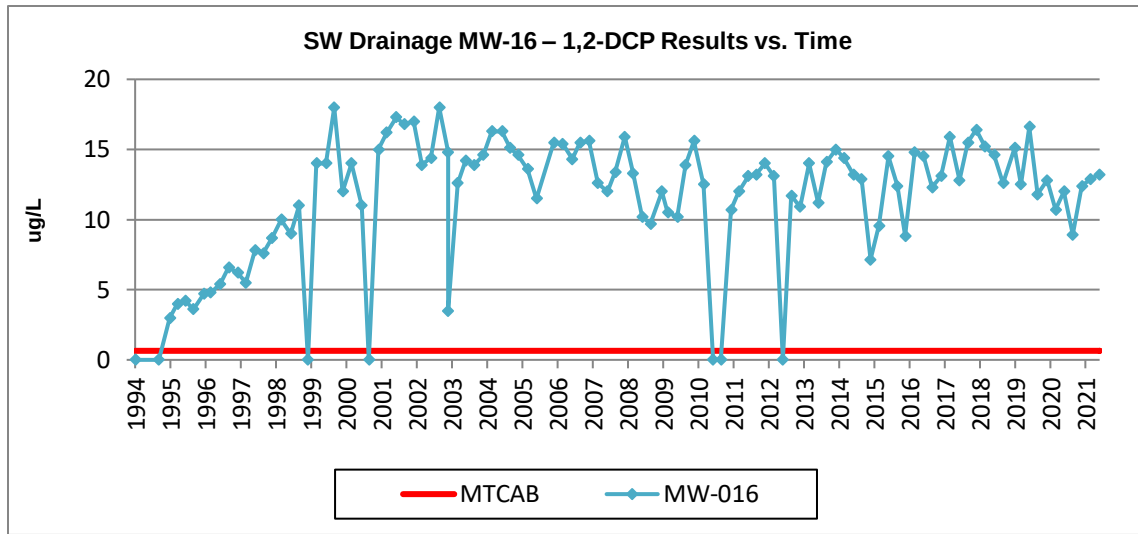


Figure 2-35: MW-016 VOCs / SVOCs Concentration Graphs (cont.)



SW MW-16 Monitoring Wells: Inorganics Time Series Graphs

Figure 2-36: MW-016 Inorganics Concentration Graphs

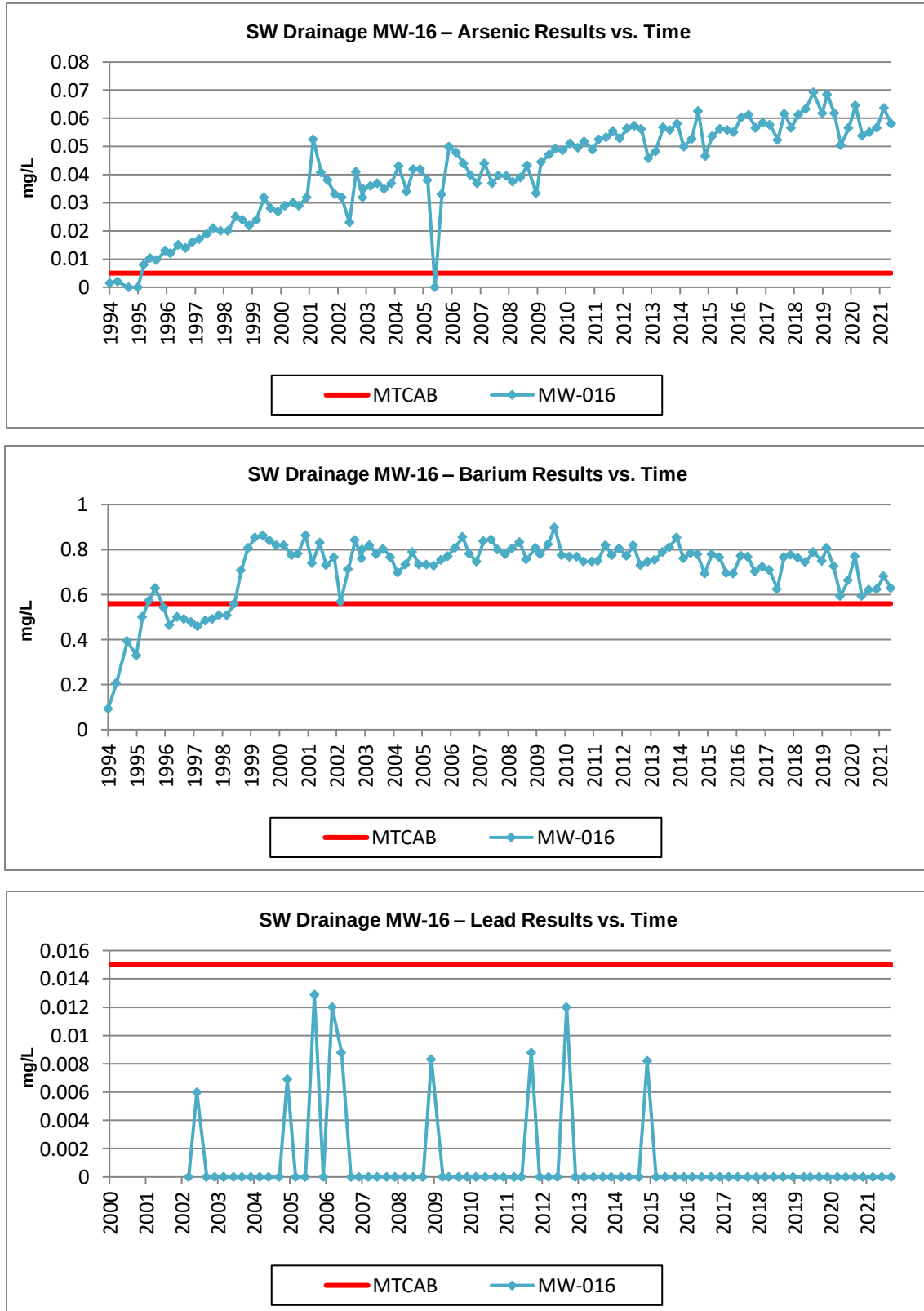
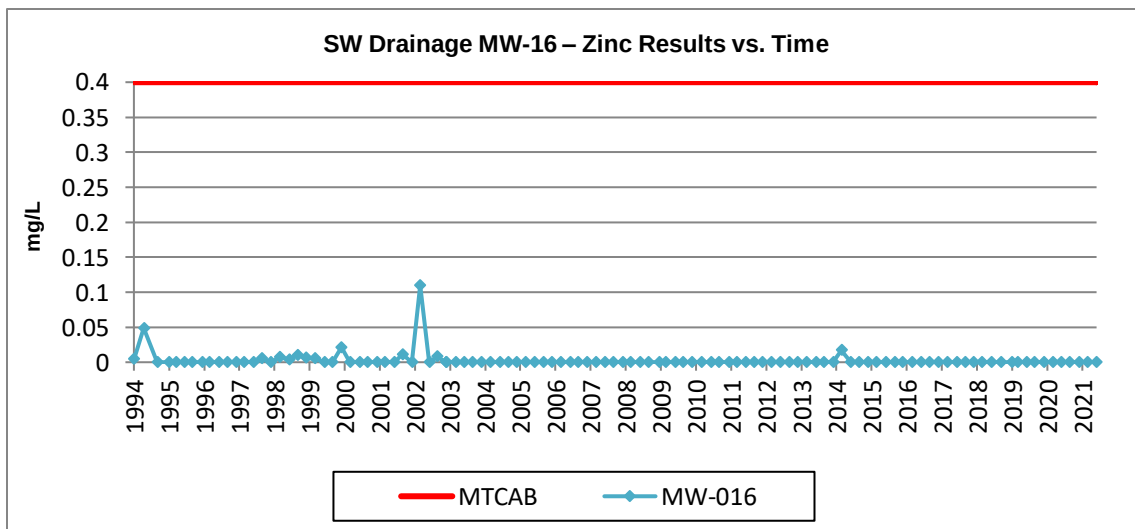
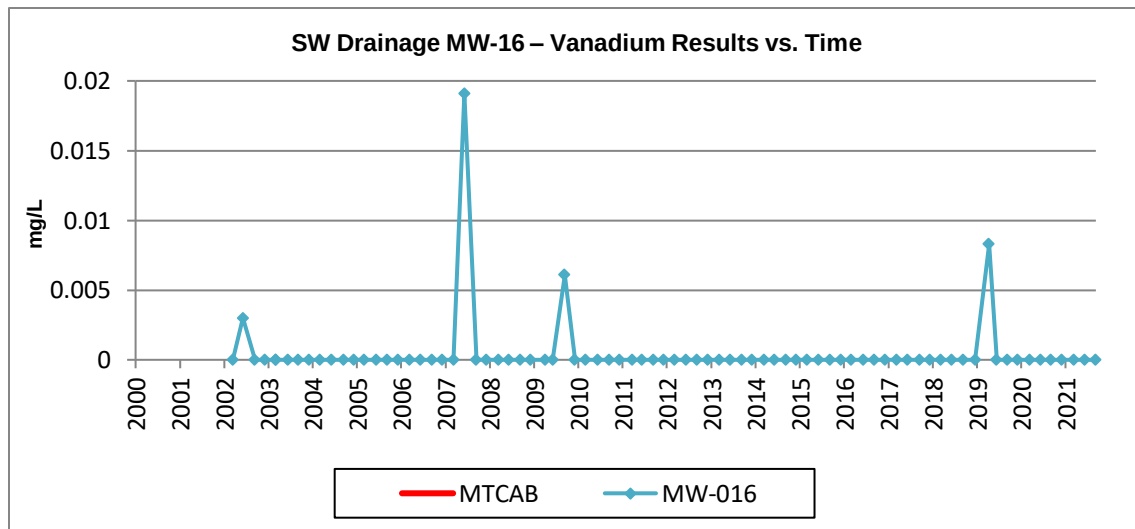
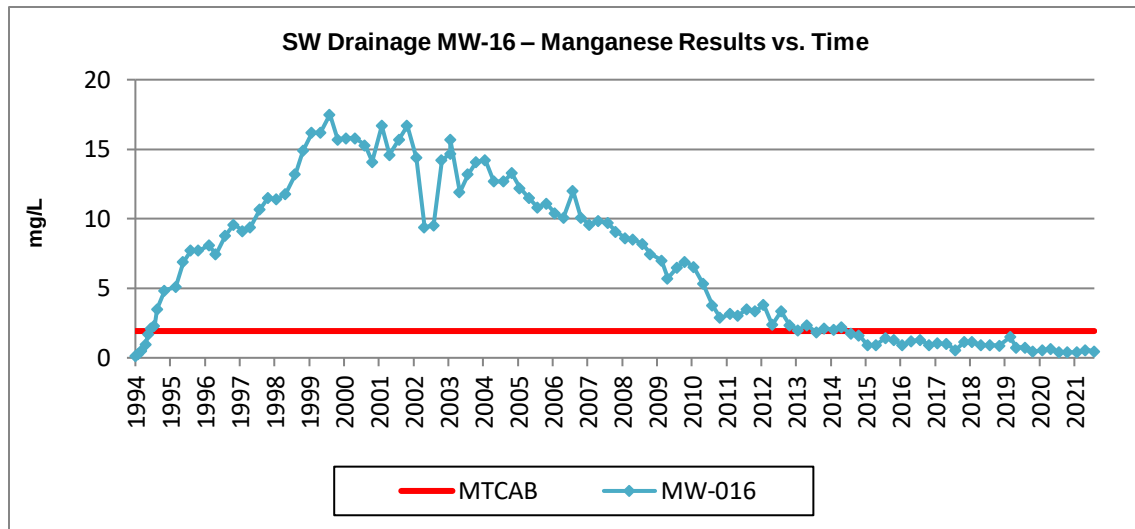


Figure 2-37: MW-016 Inorganics Concentration Graphs (cont.)



SW MW-16 Monitoring Wells: Conventional Time Series Graphs

Figure 2-38: MW-016 Conventional Concentration Graphs

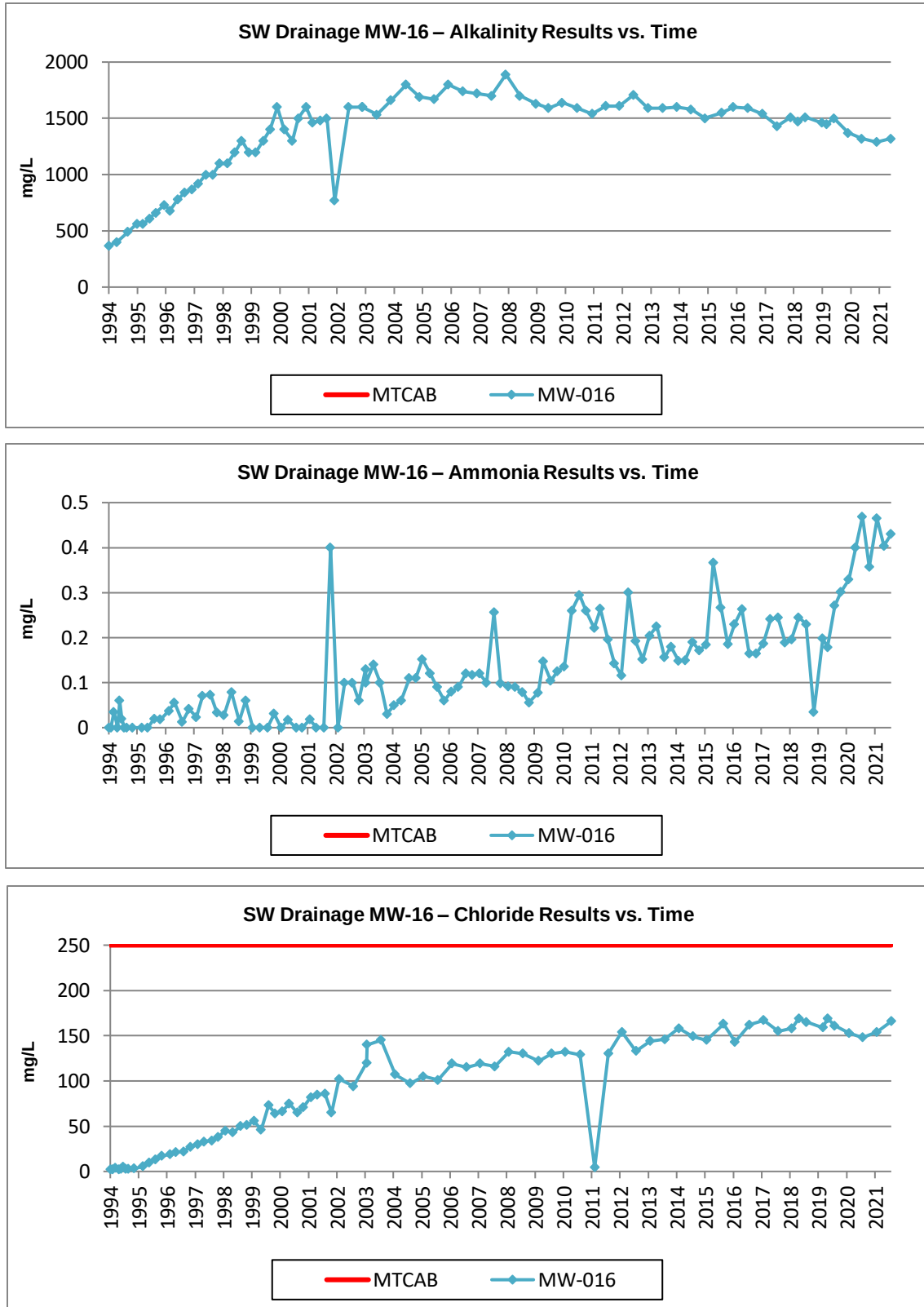


Figure 2-39: MW-016 Conventional Concentration Graphs (cont.)

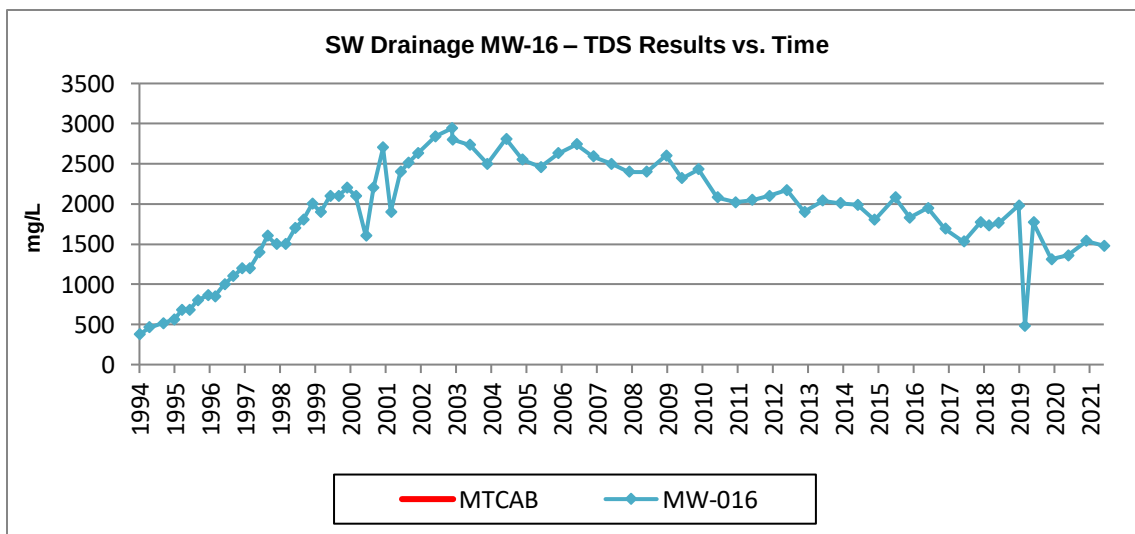
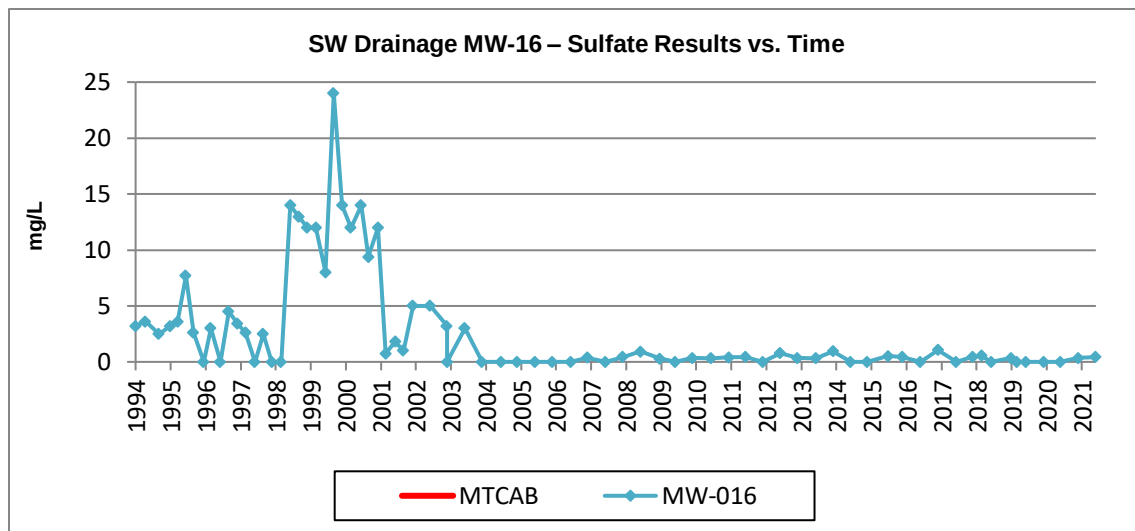
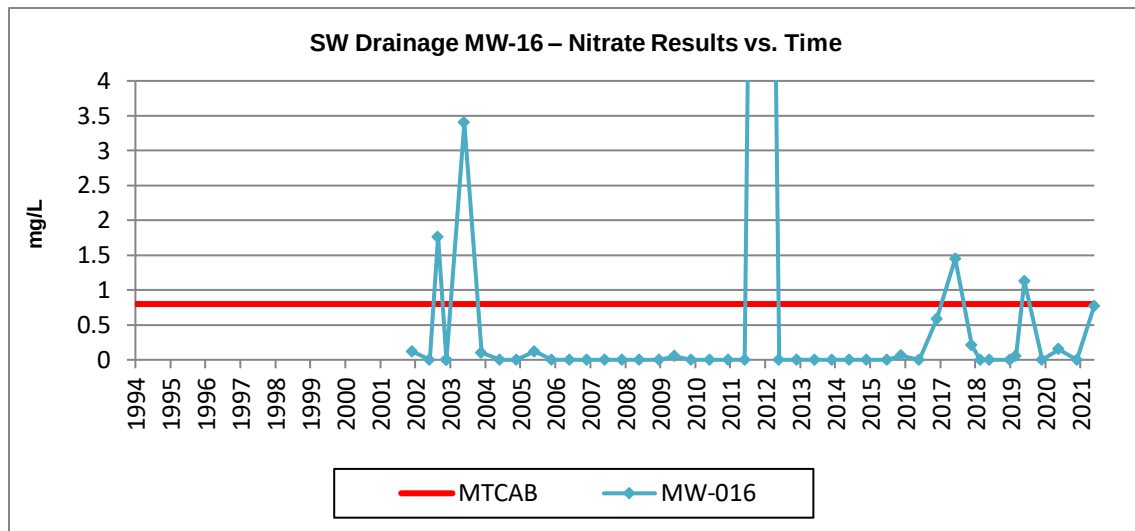
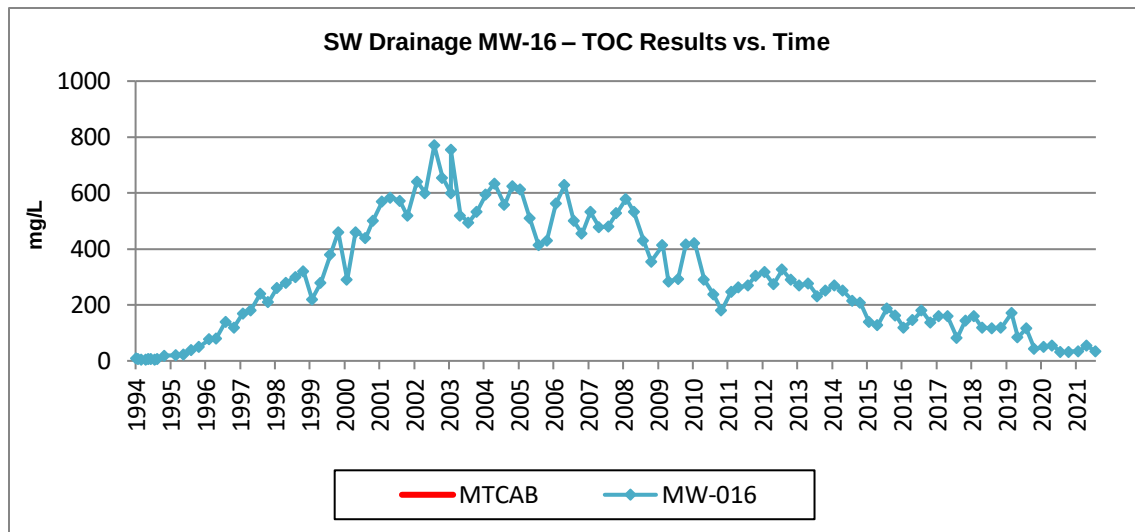


Figure 2-40: MW-016 Conventional Concentration Graphs



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

StationID	DrainageArea	Analyte	- 5 Year Results	- 1 Year Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MW-016	Southwest	1,2-DCP	14.5	12	13.2	-1.3	1.2	ug/L
MW-016	Southwest	Acetone	3560	286	460	-3100	174	ug/L
MW-016	Southwest	ALK	1590	1320	1320	-270	0	mg/L as Ca
MW-016	Southwest	As	0.0612	0.0538	0.0581	-0.0031	0.0043	mg/L
MW-016	Southwest	Ba	0.769	0.593	0.629	-0.14	0.036	mg/L
MW-016	Southwest	Benzene	18.1	11.4	11.2	-6.9	-0.2	ug/L
MW-016	Southwest	Cl	162	148	166	4	18	mg/L
MW-016	Southwest	DCA	8.21	4.84	5.94	-2.27	1.1	ug/L
MW-016	Southwest	MC	0	0	0	0	0	ug/L
MW-016	Southwest	Mn	1.29	0.432	0.478	-0.812	0.046	mg/L
MW-016	Southwest	N-NH3	0.164	0.469	0.43	0.266	-0.039	mg/L
MW-016	Southwest	N-NO3	0	0.149	0.77	0.77	0.621	mg/L
MW-016	Southwest	Pb	0	0	0	0	0	mg/L
MW-016	Southwest	PCE	0	0	0	0	0	ug/L
MW-016	Southwest	SO4	0	0	0.44	0.44	0.44	mg/L
MW-016	Southwest	TCE	2.99	0.62	0.61	-2.38	-0.01	ug/L
MW-016	Southwest	TDS	1950	1360	1480	-470	120	mg/L
MW-016	Southwest	TOC	180	31.5	33.8	-146.2	2.3	mg/L
MW-016	Southwest	Toluene	55	7.06	9.26	-45.74	2.2	ug/L
MW-016	Southwest	VC	0	1.44	1.22	1.22	-0.22	ug/L
MW-016	Southwest	Zn	0	0	0	0	0	mg/L

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

South Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

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

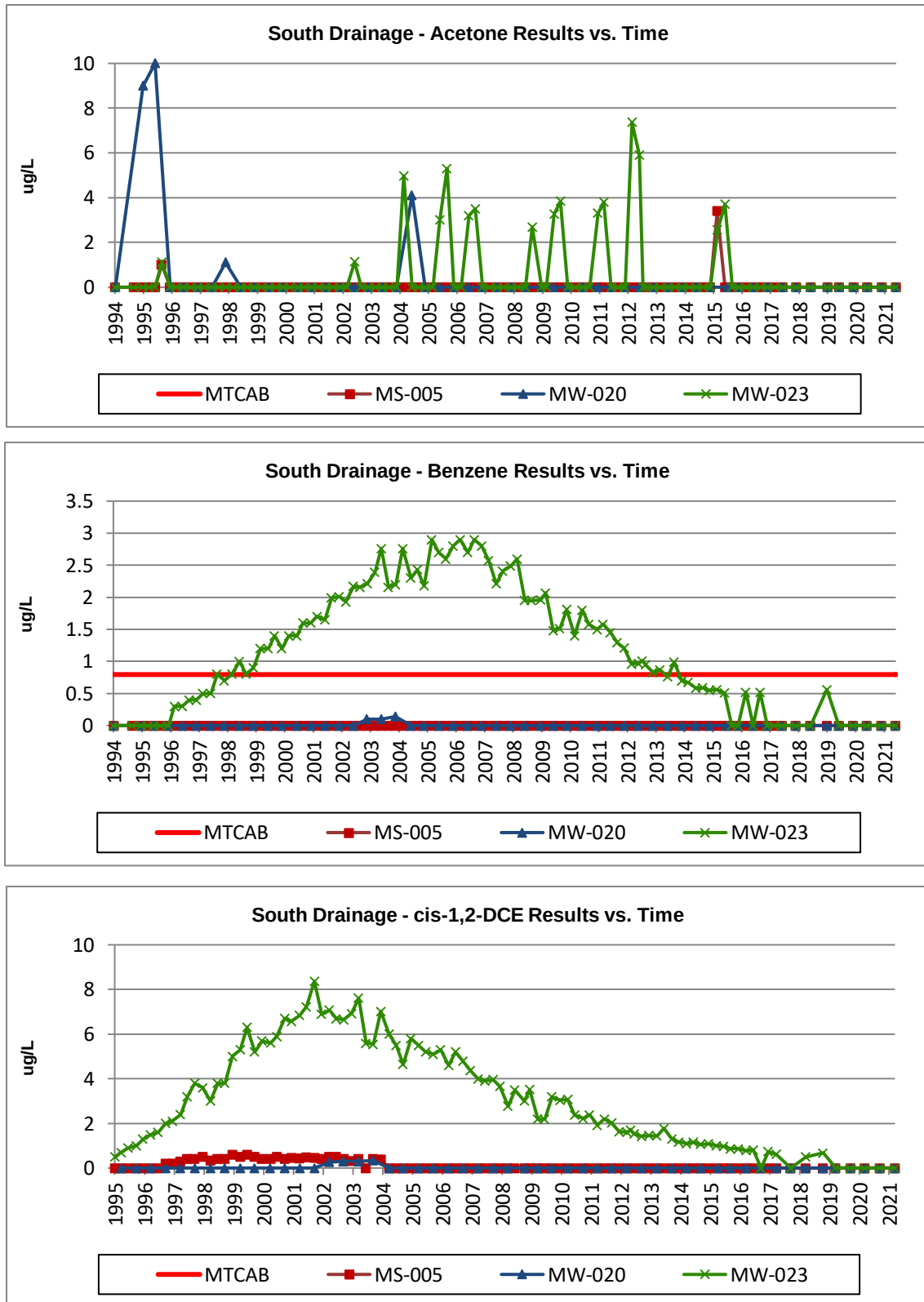


Figure 2-42: South Wells VOCs / SVOCs Concentration Graphs

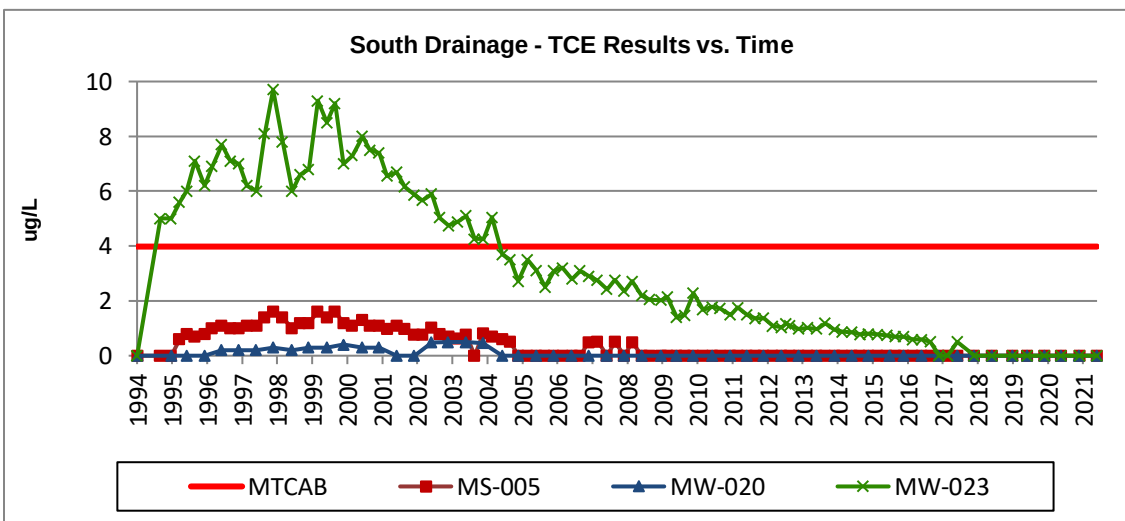
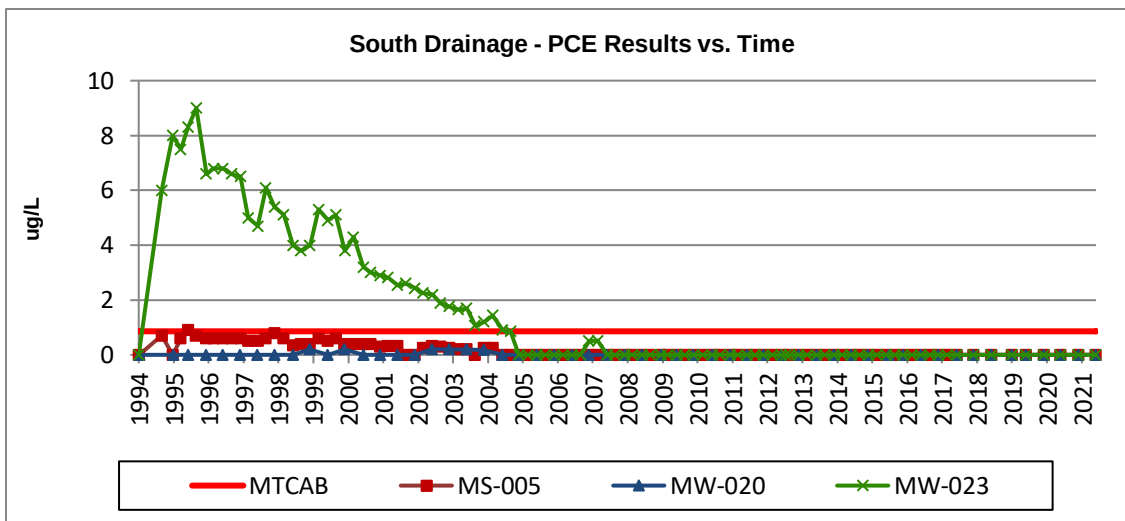
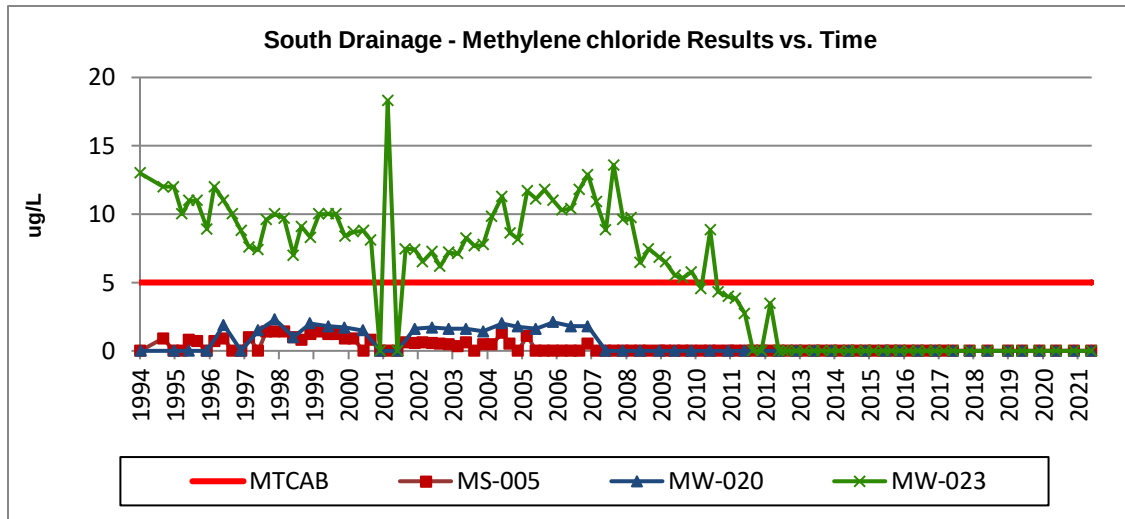


Figure 2-43: South Wells VOCs / SVOCs Concentration Graphs (cont.)

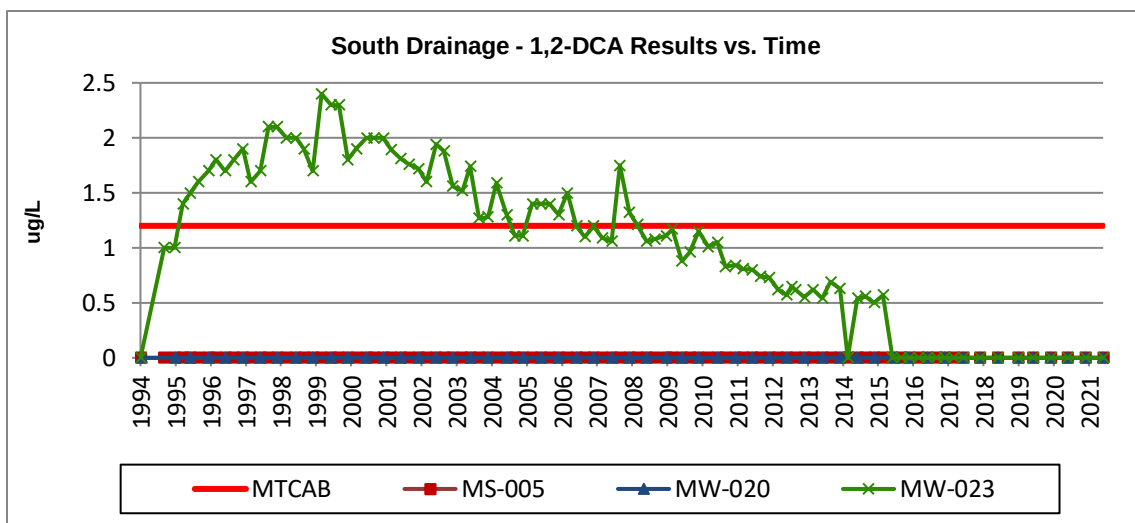
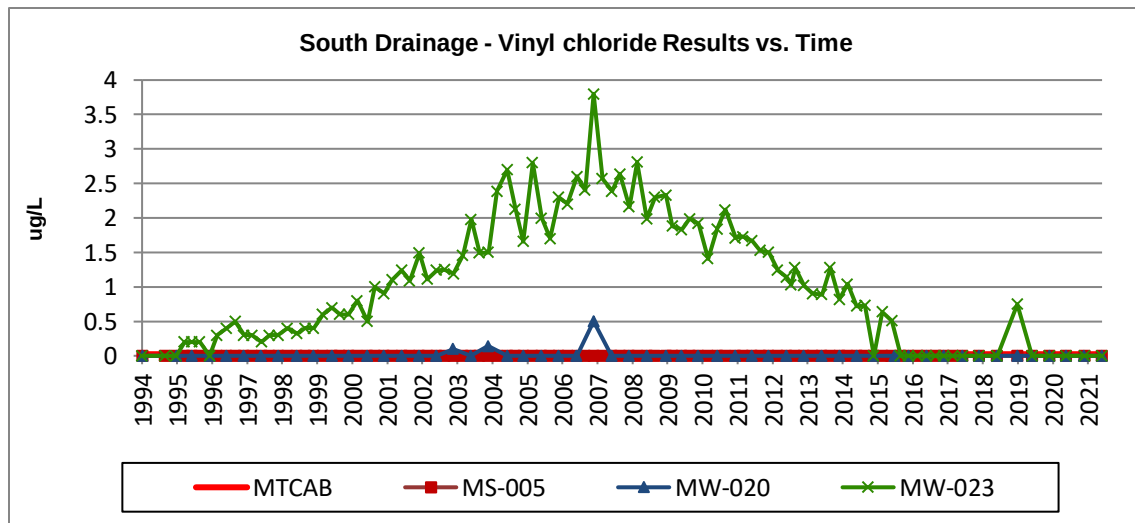
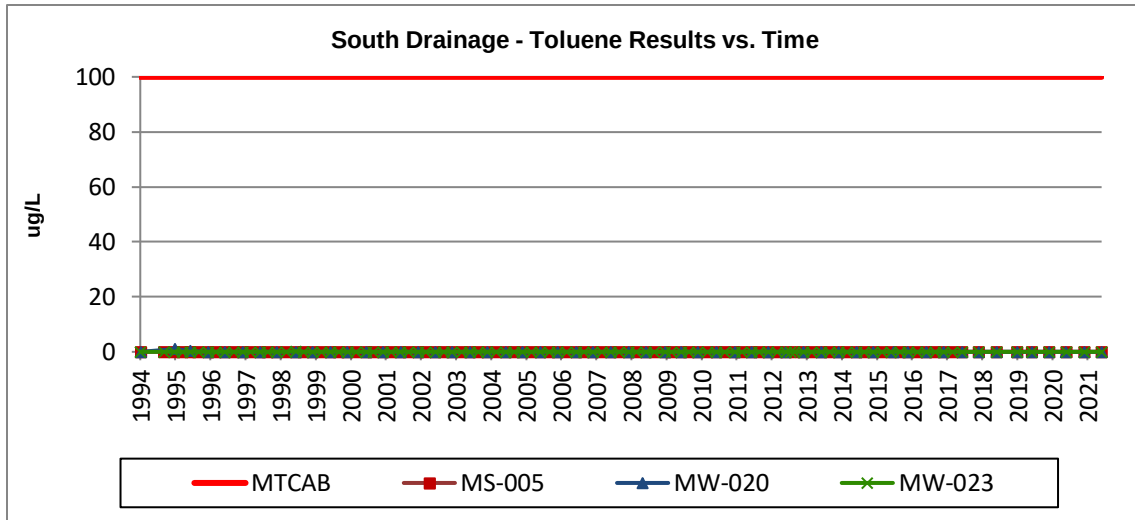
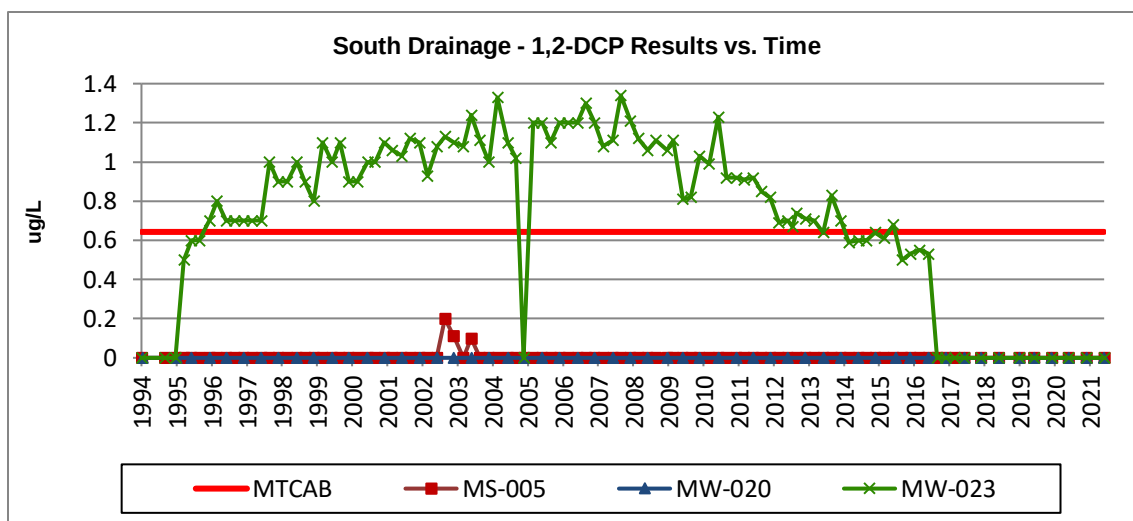


Figure 2-44: South Wells VOCs / SVOCs Concentration Graphs (cont.)



South Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-45: South Wells Inorganics Concentration Graphs

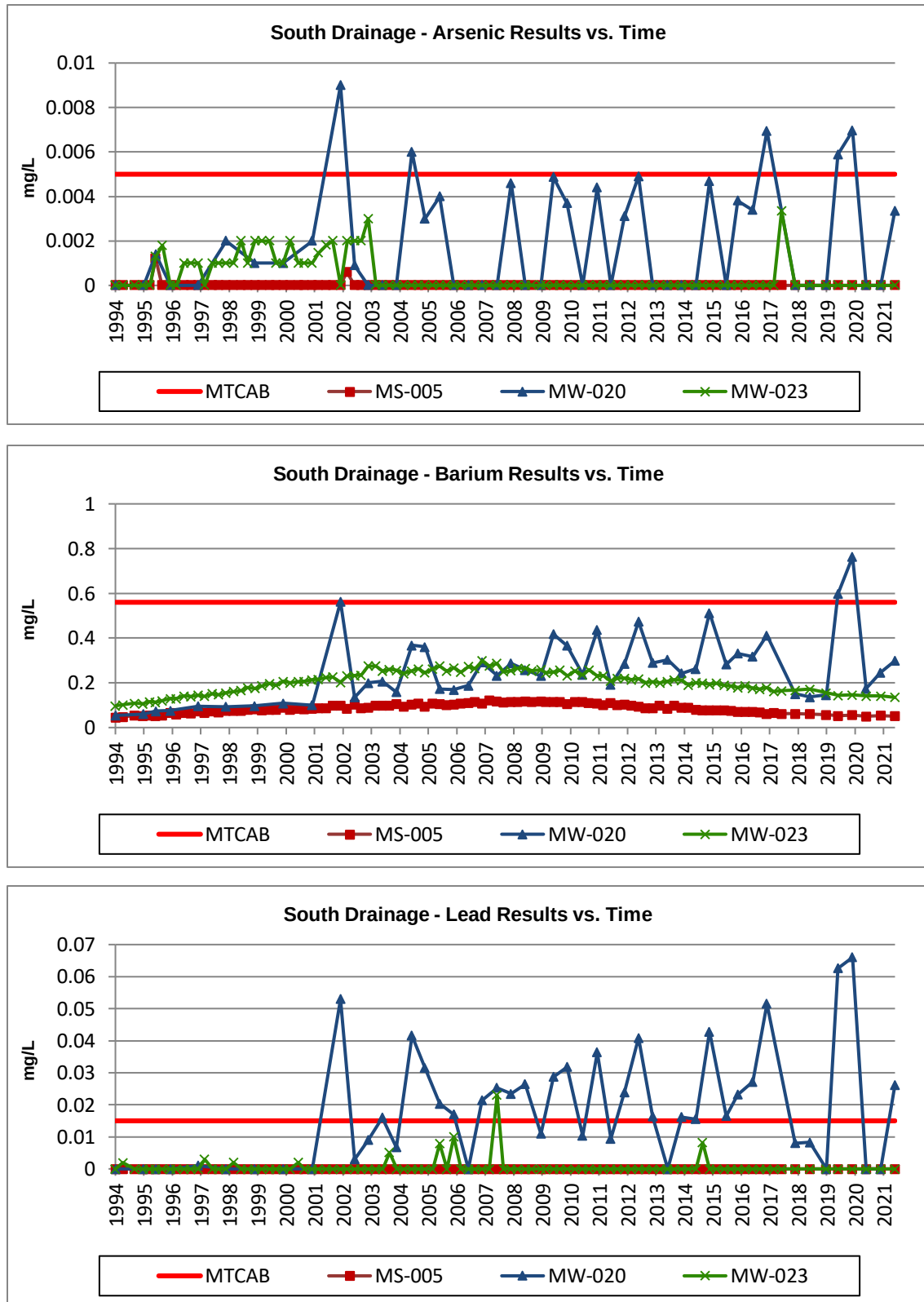
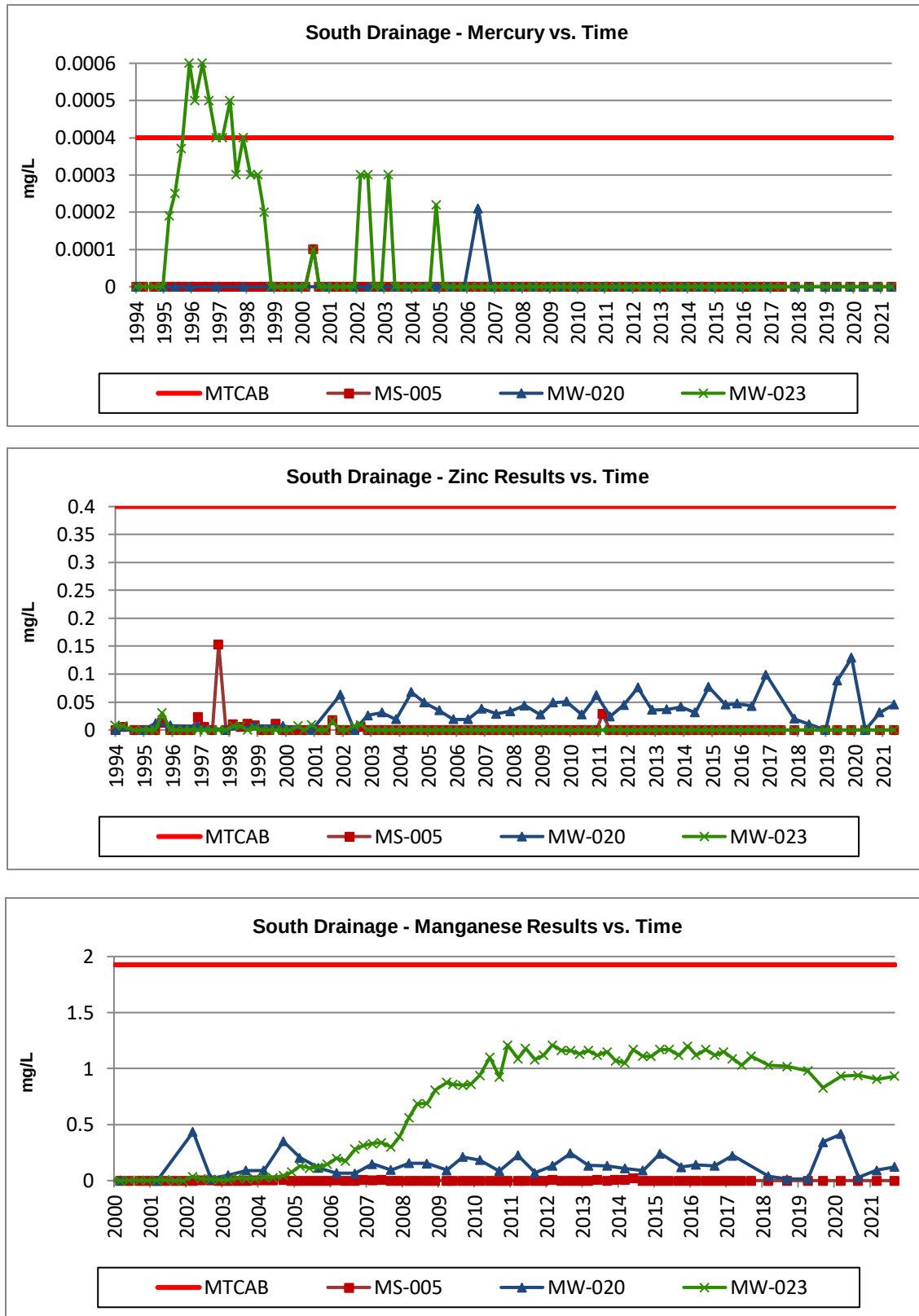


Figure 2-46: South Wells Inorganics Concentration Graphs (cont.)



South Drainage Monitoring Wells: Conventional Time Series Graphs

Figure 2-47: South Wells Conventional Concentration Graphs

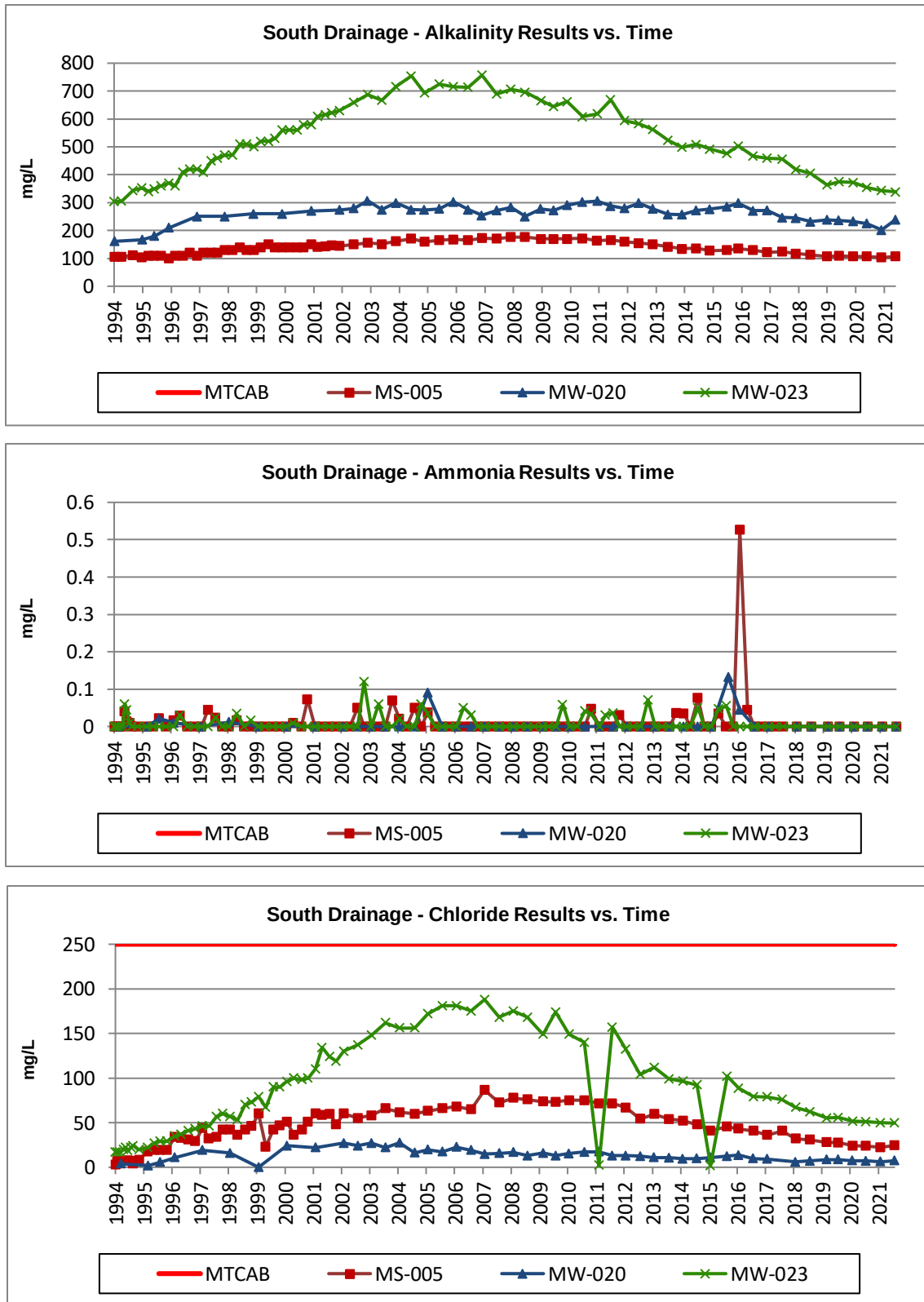


Figure 2-48: South Wells Conventional Concentration Graphs (cont.)

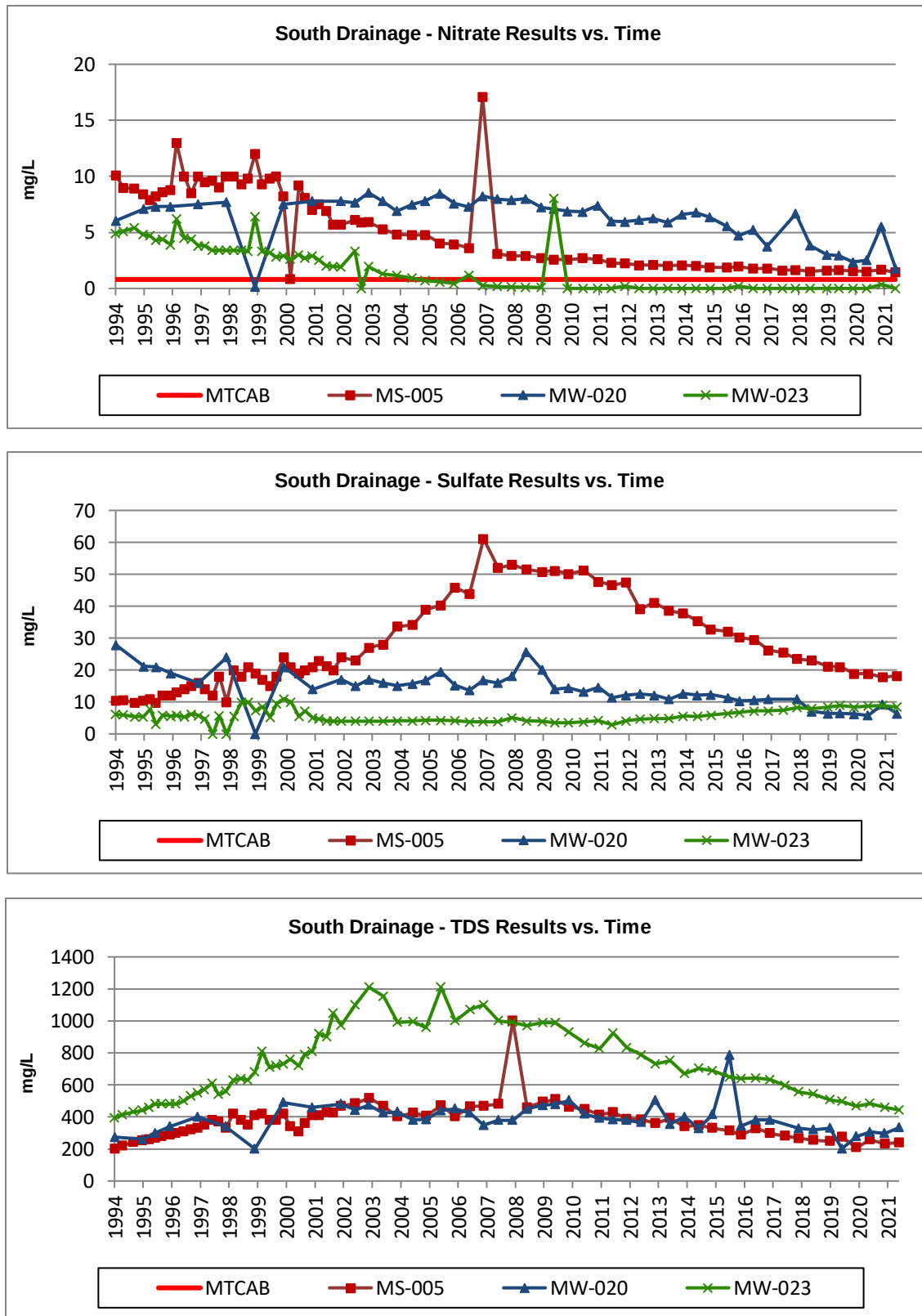
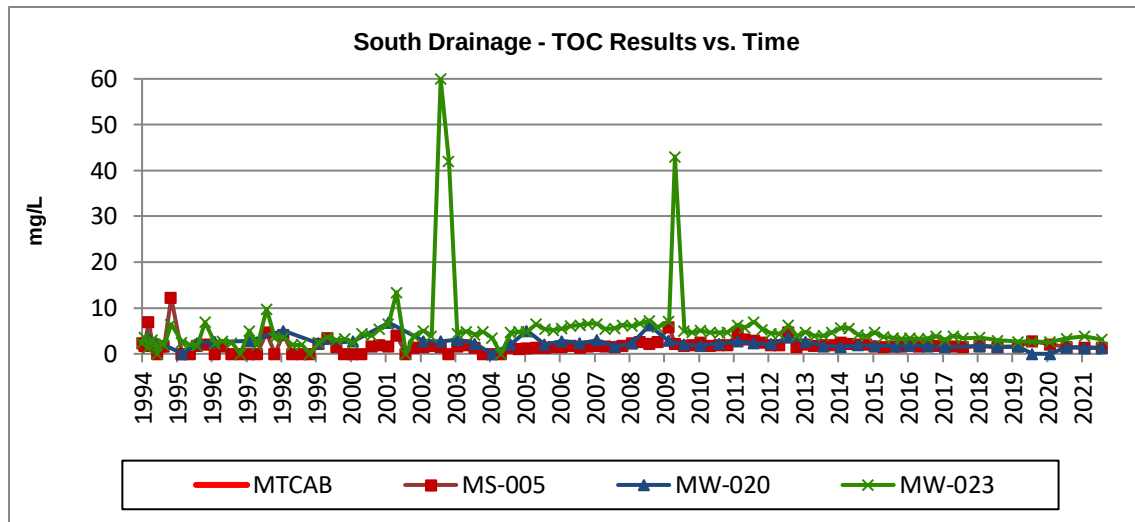


Figure 2-49: South Wells – Conventional Concentration Graphs (cont.)



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

StationID	DrainageArea	Analyte	- 5 Year Results	- 1 Year Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MS-005	South	1,2-DCP	0	0	0	0	0	ug/L
MS-005	South	Acetone	0	0	0	0	0	ug/L
MS-005	South	ALK	129	107	107	-22	0	mg/L as Ca
MS-005	South	As	0	0	0	0	0	mg/L
MS-005	South	Ba	0.0702	0.0505	0.0508	-0.0194	0.0003	mg/L
MS-005	South	Benzene	0	0	0	0	0	ug/L
MS-005	South	Cl	40.5	23.8	24.5	-16	0.7	mg/L
MS-005	South	DCA	0.61	0	0	-0.61	0	ug/L
MS-005	South	MC	0	0	0	0	0	ug/L
MS-005	South	Mn	0	0	0	0	0	mg/L
MS-005	South	N-NH3	0	0	0	0	0	mg/L
MS-005	South	N-NO3	1.69	1.51	1.44	-0.25	-0.07	mg/L
MS-005	South	Pb	0	0	0	0	0	mg/L
MS-005	South	PCE	0	0	0	0	0	ug/L
MS-005	South	SO4	29.5	18.8	18.2	-11.3	-0.6	mg/L
MS-005	South	TCE	0	0	0	0	0	ug/L
MS-005	South	TDS	316	259	241	-75	-18	mg/L
MS-005	South	TOC	1.75	1.49	1.32	-0.43	-0.17	mg/L
MS-005	South	Toluene	0	0	0	0	0	ug/L
MS-005	South	VC	0	0	0	0	0	ug/L
MS-005	South	Zn	0	0	0	0	0	mg/L
MW-020	South	1,2-DCP	0	0	0	0	0	ug/L
MW-020	South	Acetone	0	0	0	0	0	ug/L
MW-020	South	ALK	271	225	239	-32	14	mg/L as Ca
MW-020	South	As	0.00339	0	0.00335	-4E-05	0.00335	mg/L
MW-020	South	Ba	0.317	0.163	0.299	-0.018	0.136	mg/L
MW-020	South	Benzene	0	0	0	0	0	ug/L
MW-020	South	Cl	9.71	7.1	7.36	-2.35	0.26	mg/L
MW-020	South	DCA	1.15	0.69	0.6	-0.55	-0.09	ug/L
MW-020	South	MC	0	0	0	0	0	ug/L
MW-020	South	Mn	0.132	0.0264	0.124	-0.008	0.0976	mg/L
MW-020	South	N-NH3	0	0	0	0	0	mg/L
MW-020	South	N-NO3	5.23	2.48	1.8	-3.43	-0.68	mg/L
MW-020	South	Pb	0.0272	0	0.0261	-0.0011	0.0261	mg/L
MW-020	South	PCE	0	0	0	0	0	ug/L
MW-020	South	SO4	10.6	5.85	6.39	-4.21	0.54	mg/L
MW-020	South	TCE	0	0	0	0	0	ug/L
MW-020	South	TDS	381	273	333	-48	60	mg/L
MW-020	South	TOC	1.59	1.38	1.23	-0.36	-0.15	mg/L
MW-020	South	Toluene	0	0	0	0	0	ug/L
MW-020	South	VC	0	0	0	0	0	ug/L
MW-020	South	Zn	0.043	0	0.0455	0.0025	0.0455	mg/L
MW-023	South	1,2-DCP	0.52	0	0	-0.52	0	ug/L
MW-023	South	Acetone	0	0	0	0	0	ug/L
MW-023	South	ALK	467	350	338	-129	-12	mg/L as Ca
MW-023	South	As	0	0	0	0	0	mg/L
MW-023	South	Ba	0.176	0.141	0.135	-0.041	-0.006	mg/L
MW-023	South	Benzene	0	0	0	0	0	ug/L
MW-023	South	Cl	79.1	50.6	49.7	-29.4	-0.9	mg/L
MW-023	South	DCA	4.6	2.59	1.94	-2.66	-0.65	ug/L

MW-023	South	MC	0	0	0	0	0	ug/L
MW-023	South	Mn	1.11	0.94	0.933	-0.177	-0.007	mg/L
MW-023	South	N-NH3	0	0	0	0	0	mg/L
MW-023	South	N-NO3	0	0	0	0	0	mg/L
MW-023	South	Pb	0	0	0	0	0	mg/L
MW-023	South	PCE	0	0	0	0	0	ug/L
MW-023	South	SO4	7.19	8.77	8.42	1.23	-0.35	mg/L
MW-023	South	TCE	0.57	0	0	-0.57	0	ug/L
MW-023	South	TDS	642	468	443	-199	-25	mg/L
MW-023	South	TOC	3.3	3.33	3.13	-0.17	-0.2	mg/L
MW-023	South	Toluene	0	0	0	0	0	ug/L
MW-023	South	VC	0	0	0	0	0	ug/L
MW-023	South	Zn	0	0	0	0	0	mg/L

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

SE Drainage Monitoring Wells: VOCs/SVOCs Time Series Graphs

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

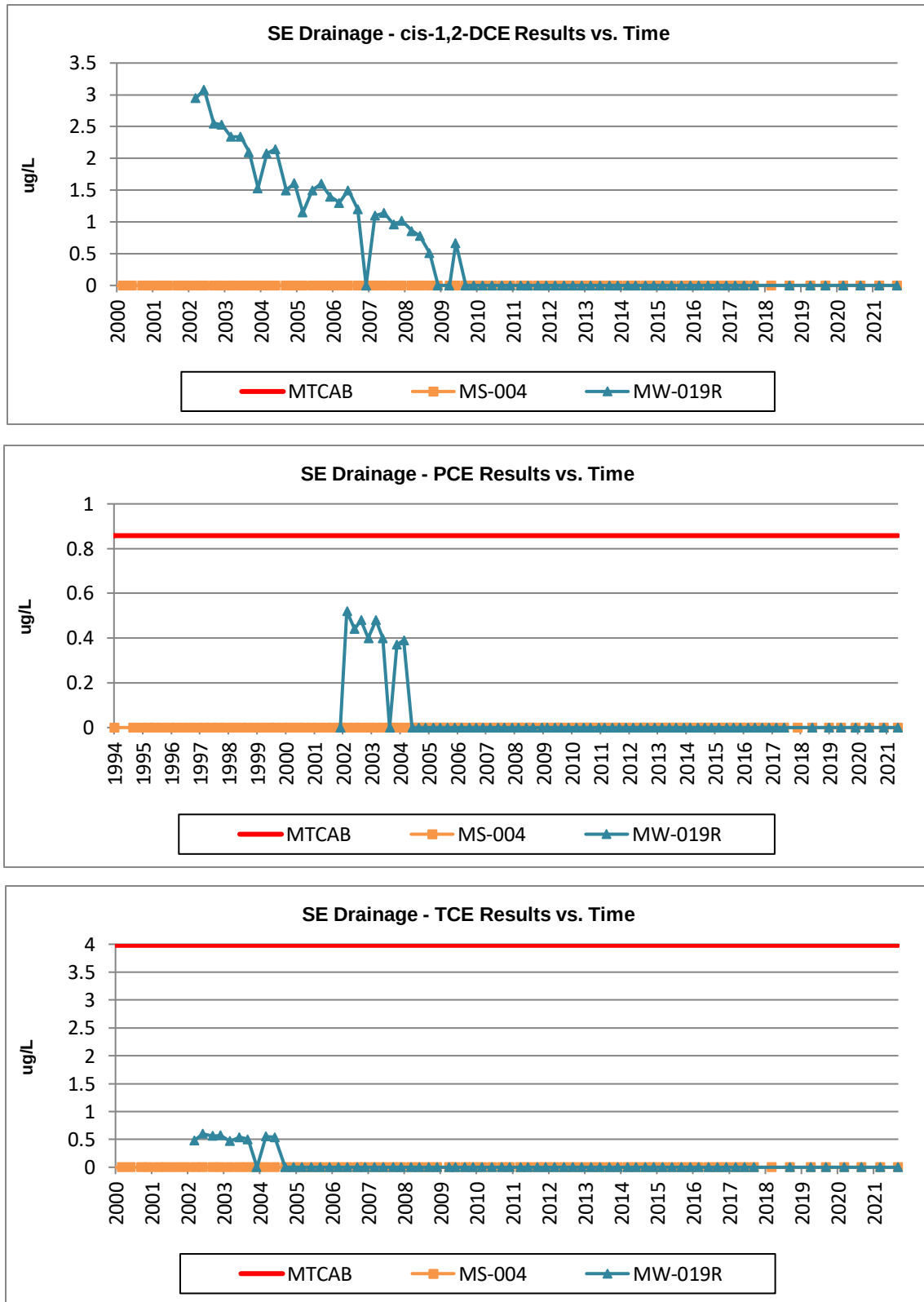
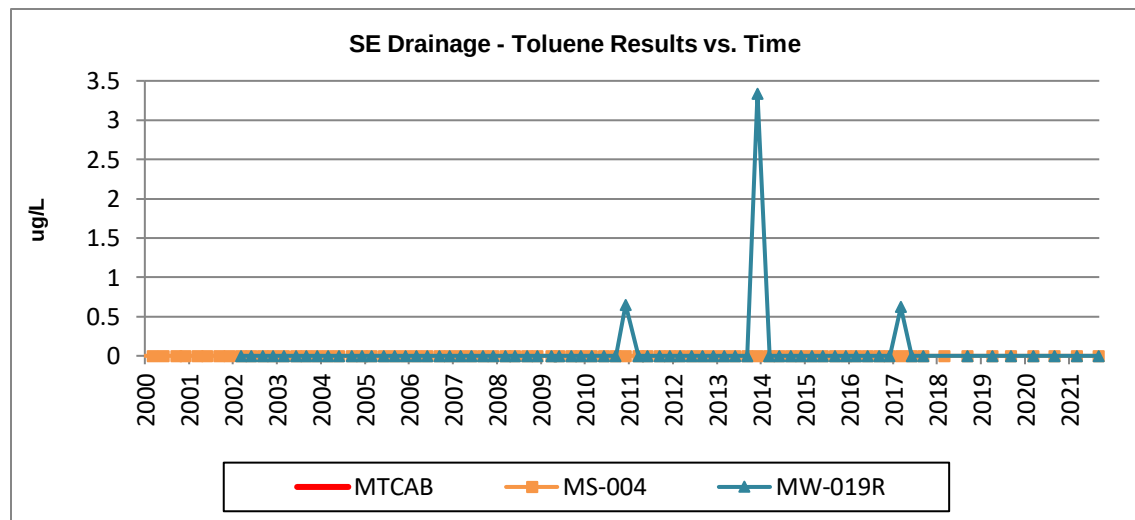
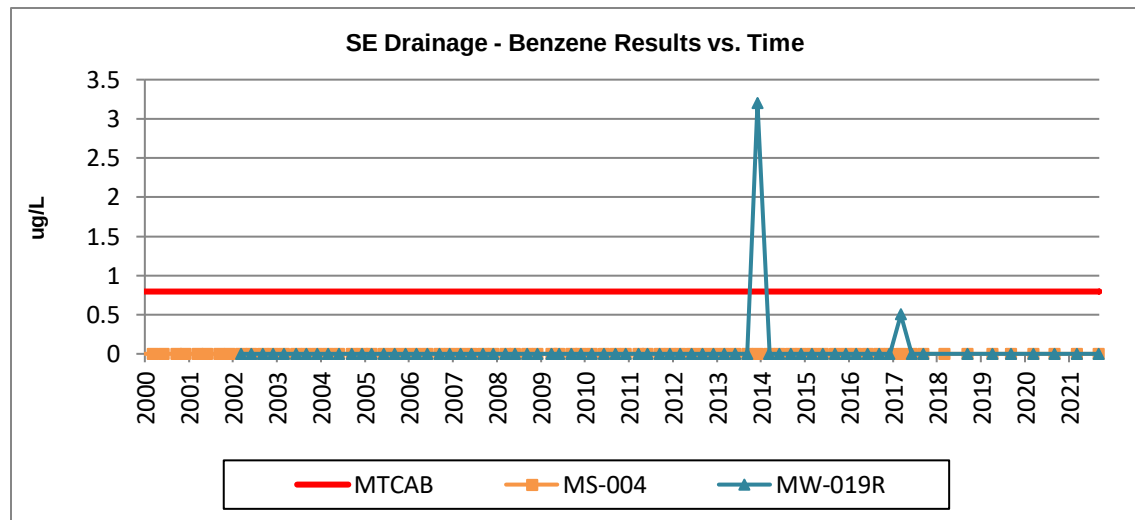
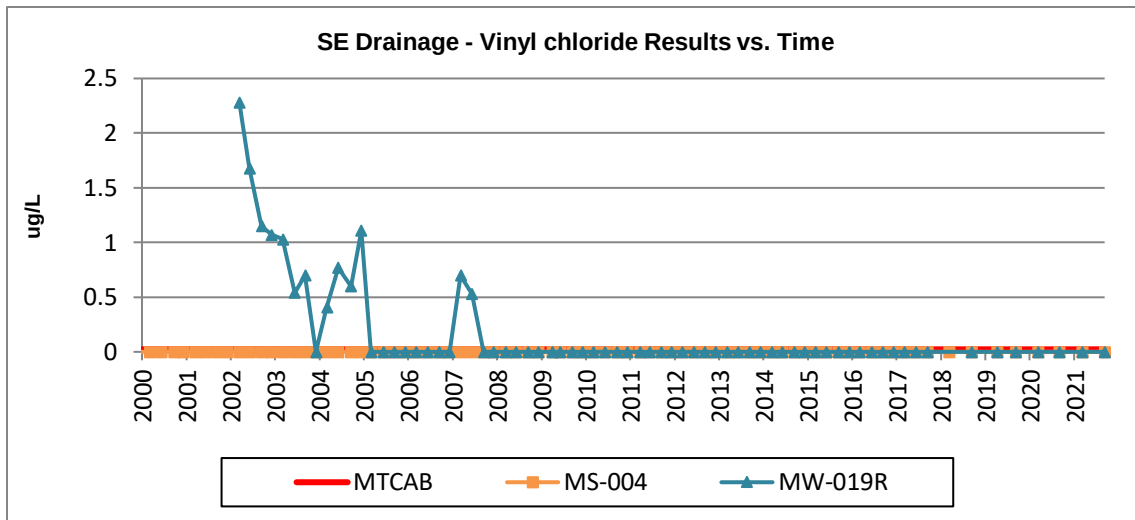


Figure 2-51: Southeast Wells VOCs / SVOCs Concentration Graphs



SE Drainage Monitoring Wells: Inorganics Time Series Graphs

Figure 2-52: SE Wells Inorganics Concentration Graphs

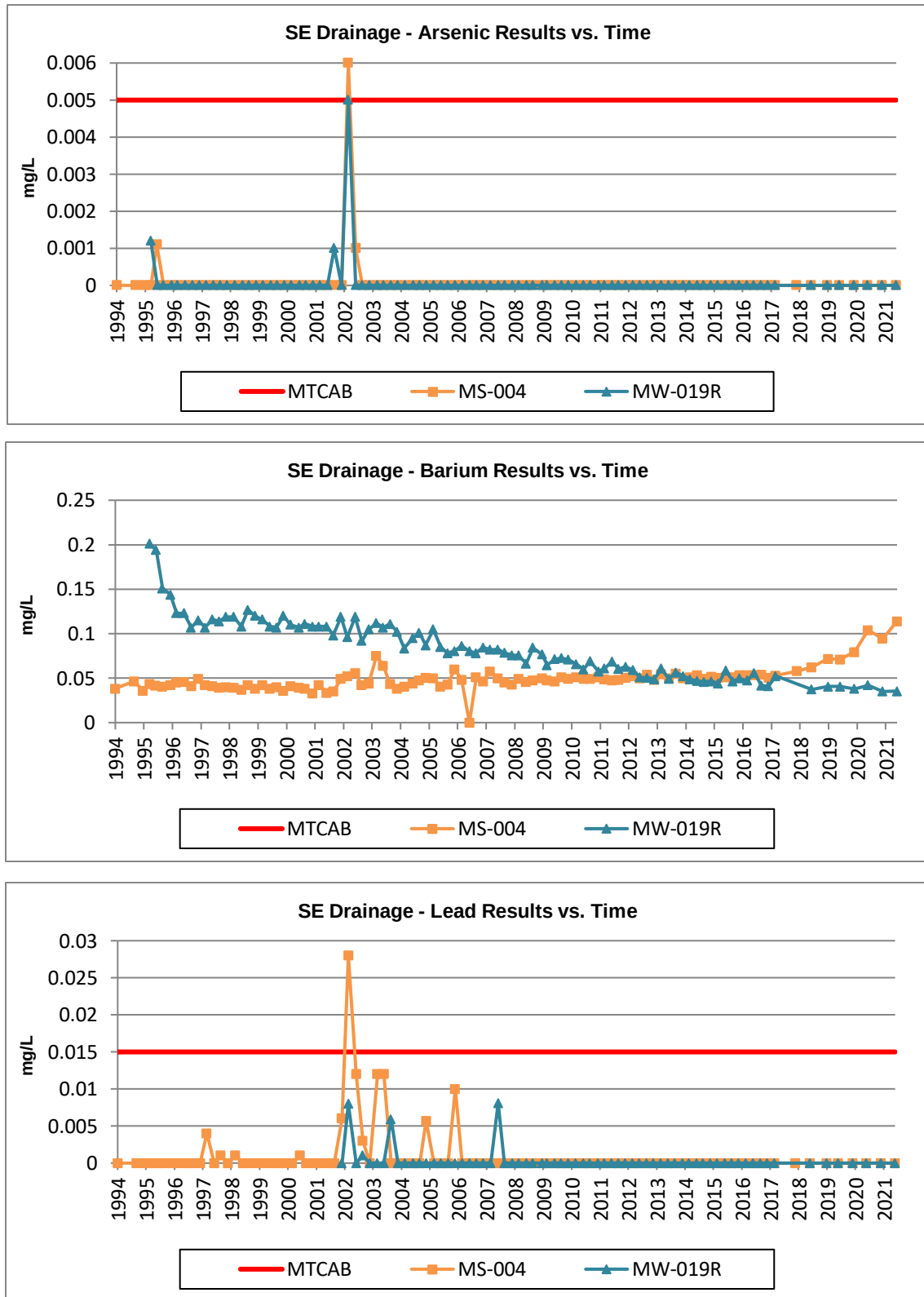
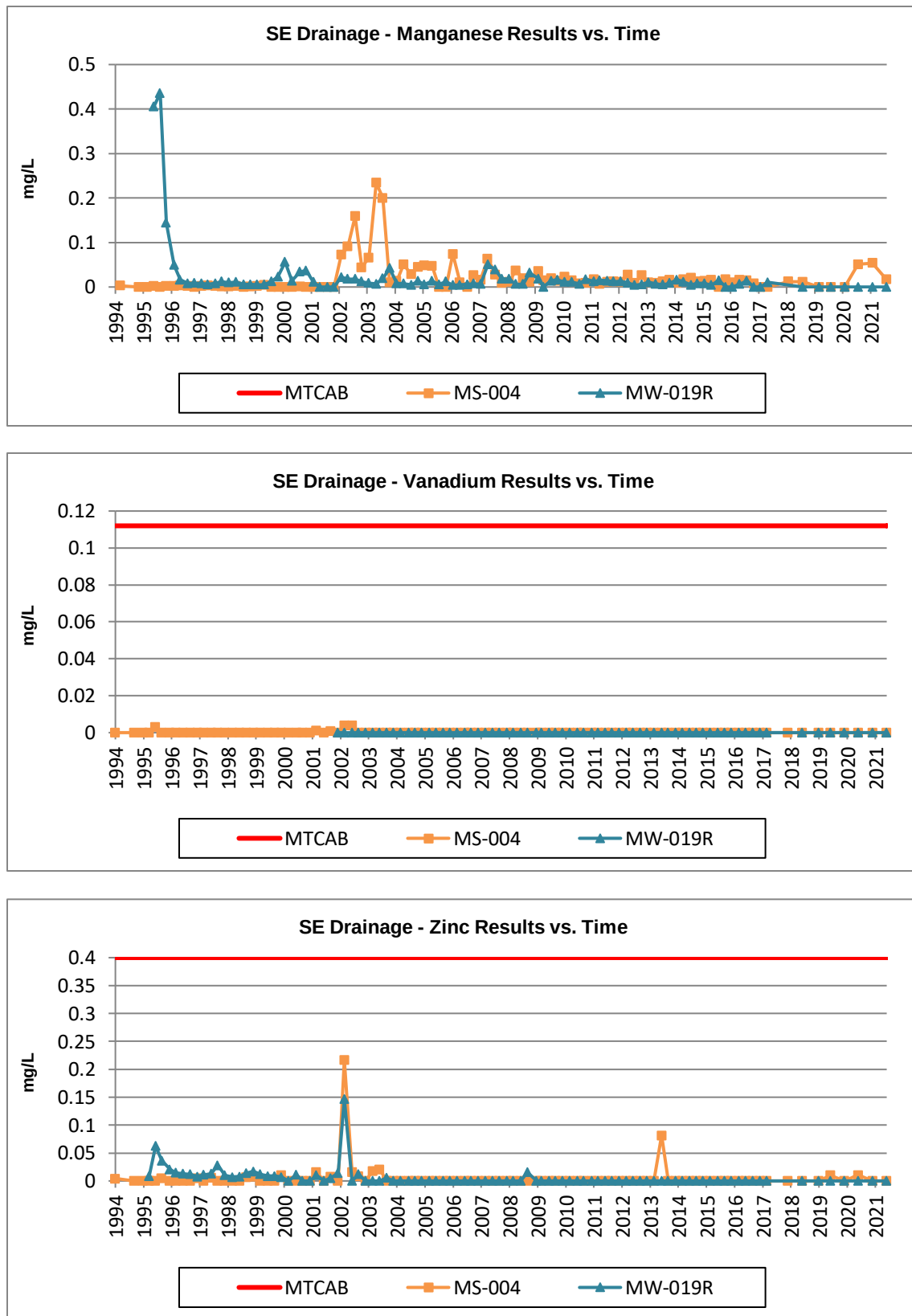


Figure 2-53: SE Wells Inorganics Concentration Graphs (cont.)



SE Drainage Monitoring Wells: Conventional Time Series Graphs

Figure 2-54: SE Wells Conventional Concentration Graphs

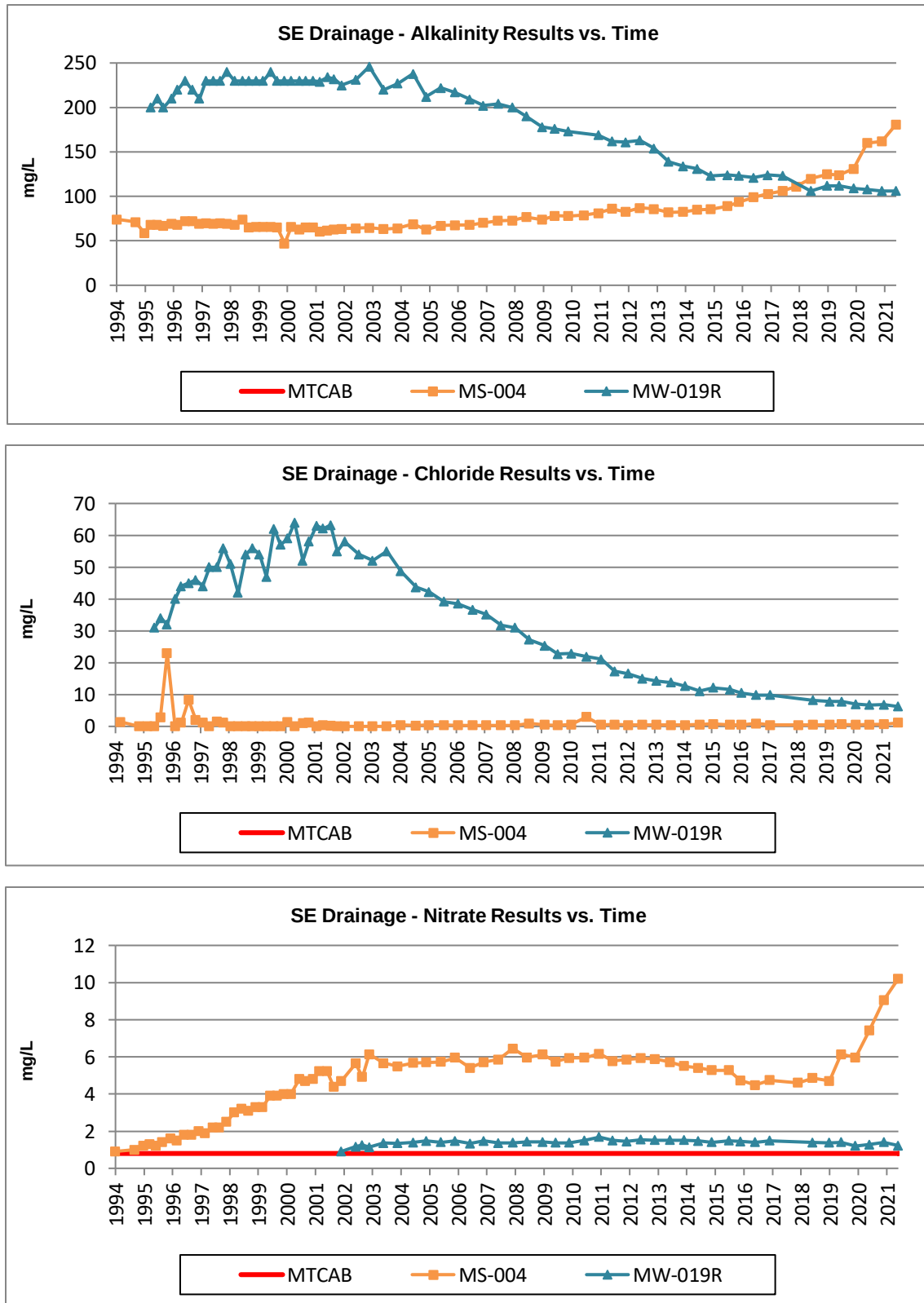
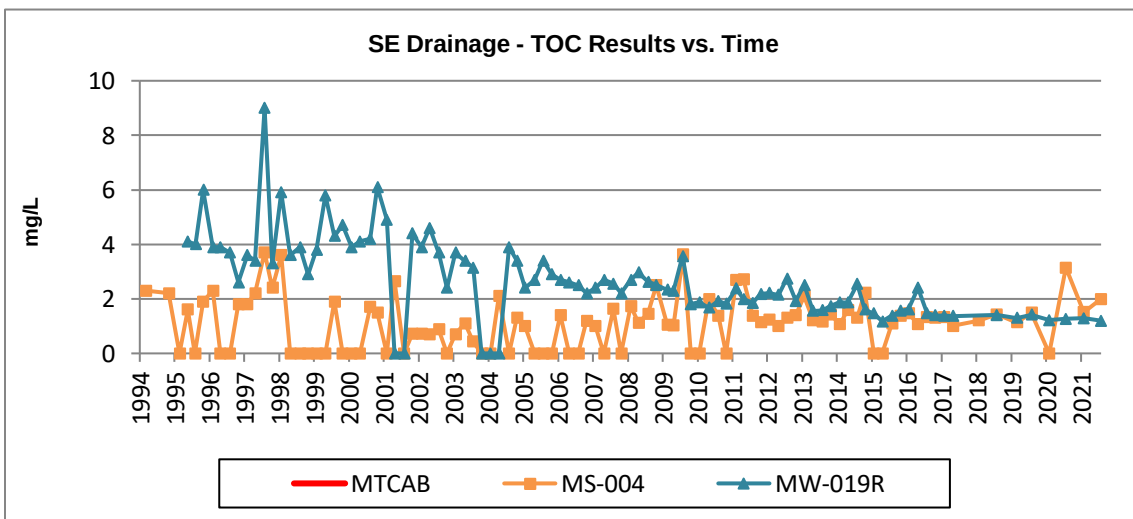
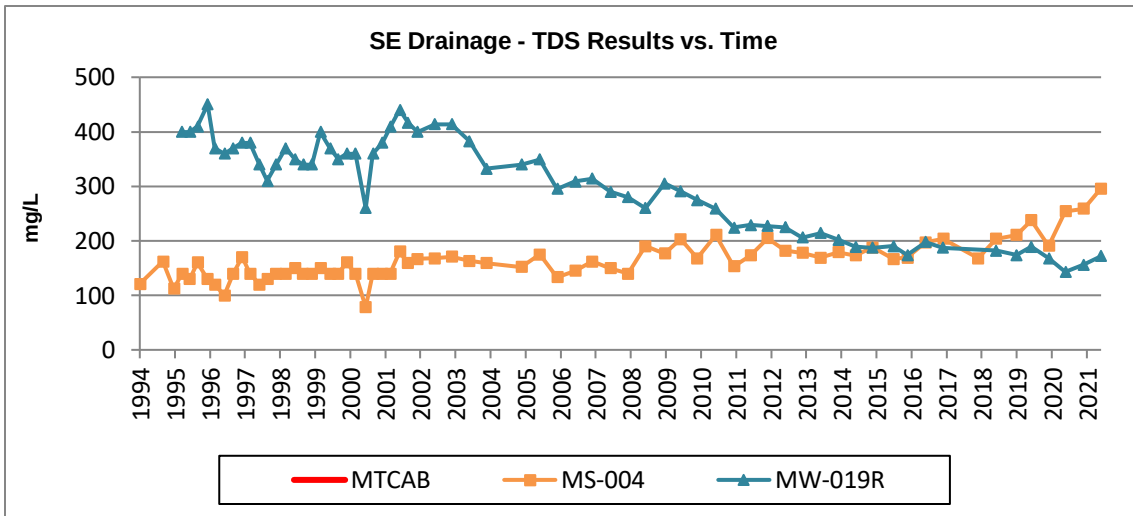
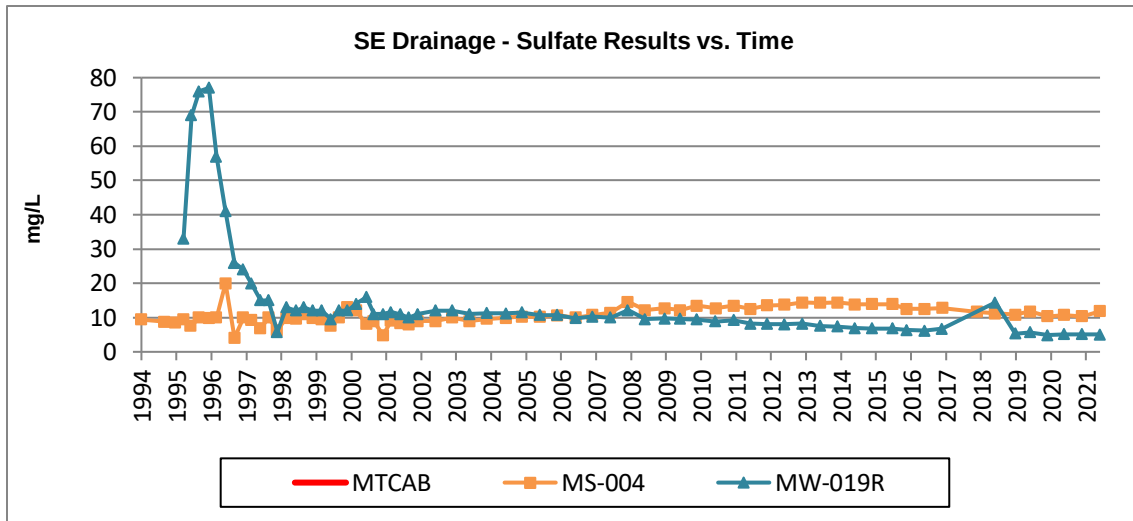


Figure 2-55: SE Wells Conventional Concentration Graphs (cont.)



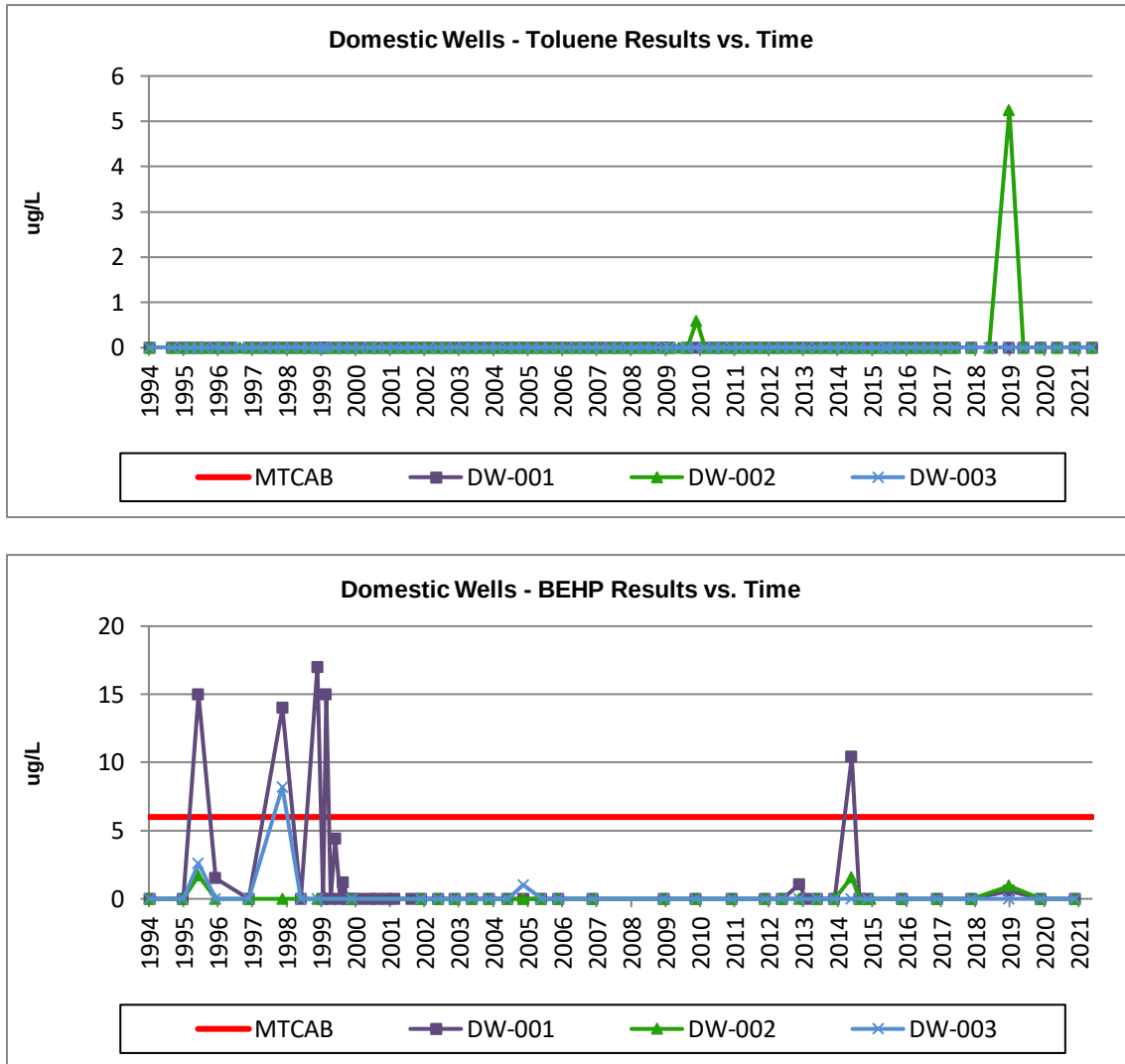
SE Analyte Concentrations: Summary of 5-year and 1-year differences:

StationID	DrainageArea	Analyte	- 5 Year Results	- 1 Year Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MS-004	Southeast	1,2-DCP	0	0	0	0	0	ug/L
MS-004	Southeast	Acetone	0	0	0	0	0	ug/L
MS-004	Southeast	ALK	99.1	160	181	81.9	21	mg/L as Ca
MS-004	Southeast	As	0	0	0	0	0	mg/L
MS-004	Southeast	Ba	0.0533	0.104	0.114	0.0607	0.01	mg/L
MS-004	Southeast	Benzene	0	0	0	0	0	ug/L
MS-004	Southeast	Cl	0.89	0.62	1.15	0.26	0.53	mg/L
MS-004	Southeast	DCA	0.83	1.58	1.15	0.32	-0.43	ug/L
MS-004	Southeast	MC	0	0	0	0	0	ug/L
MS-004	Southeast	Mn	0.0152	0.051	0.0168	0.0016	-0.0342	mg/L
MS-004	Southeast	N-NH3	0	1.34	3.41	3.41	2.07	mg/L
MS-004	Southeast	N-NO3	4.48	7.42	10.2	5.72	2.78	mg/L
MS-004	Southeast	Pb	0	0	0	0	0	mg/L
MS-004	Southeast	PCE	0	0	0	0	0	ug/L
MS-004	Southeast	SO4	12.5	10.7	11.9	-0.6	1.2	mg/L
MS-004	Southeast	TCE	0	0	0	0	0	ug/L
MS-004	Southeast	TDS	197	254	296	99	42	mg/L
MS-004	Southeast	TOC	1.32	3.14	1.99	0.67	-1.15	mg/L
MS-004	Southeast	Toluene	0	0	0	0	0	ug/L
MS-004	Southeast	VC	0	0	0	0	0	ug/L
MS-004	Southeast	Zn	0	0.0107	0	0	-0.0107	mg/L
MW-019R	Southeast	1,2-DCP	0	0	0	0	0	ug/L
MW-019R	Southeast	Acetone	0	0	0	0	0	ug/L
MW-019R	Southeast	ALK	121	108	106	-15	-2	mg/L as Ca
MW-019R	Southeast	As	0	0	0	0	0	mg/L
MW-019R	Southeast	Ba	0.056	0.0422	0.0354	-0.0206	-0.0068	mg/L
MW-019R	Southeast	Benzene	0	0	0	0	0	ug/L
MW-019R	Southeast	Cl	9.86	6.7	6.22	-3.64	-0.48	mg/L
MW-019R	Southeast	DCA	0	0	0	0	0	ug/L
MW-019R	Southeast	MC	0	0	0	0	0	ug/L
MW-019R	Southeast	Mn	0.0139	0	0	-0.0139	0	mg/L
MW-019R	Southeast	N-NH3	0	0	0	0	0	mg/L
MW-019R	Southeast	N-NO3	1.41	1.27	1.22	-0.19	-0.05	mg/L
MW-019R	Southeast	Pb	0	0	0	0	0	mg/L
MW-019R	Southeast	PCE	0	0	0	0	0	ug/L
MW-019R	Southeast	SO4	6.12	5.16	5.02	-1.1	-0.14	mg/L
MW-019R	Southeast	TCE	0	0	0	0	0	ug/L
MW-019R	Southeast	TDS	198	143	172	-26	29	mg/L
MW-019R	Southeast	TOC	1.48	1.27	1.2	-0.28	-0.07	mg/L
MW-019R	Southeast	Toluene	0	0	0	0	0	ug/L
MW-019R	Southeast	VC	0	0	0	0	0	ug/L
MW-019R	Southeast	Zn	0	0	0	0	0	mg/L

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

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.)

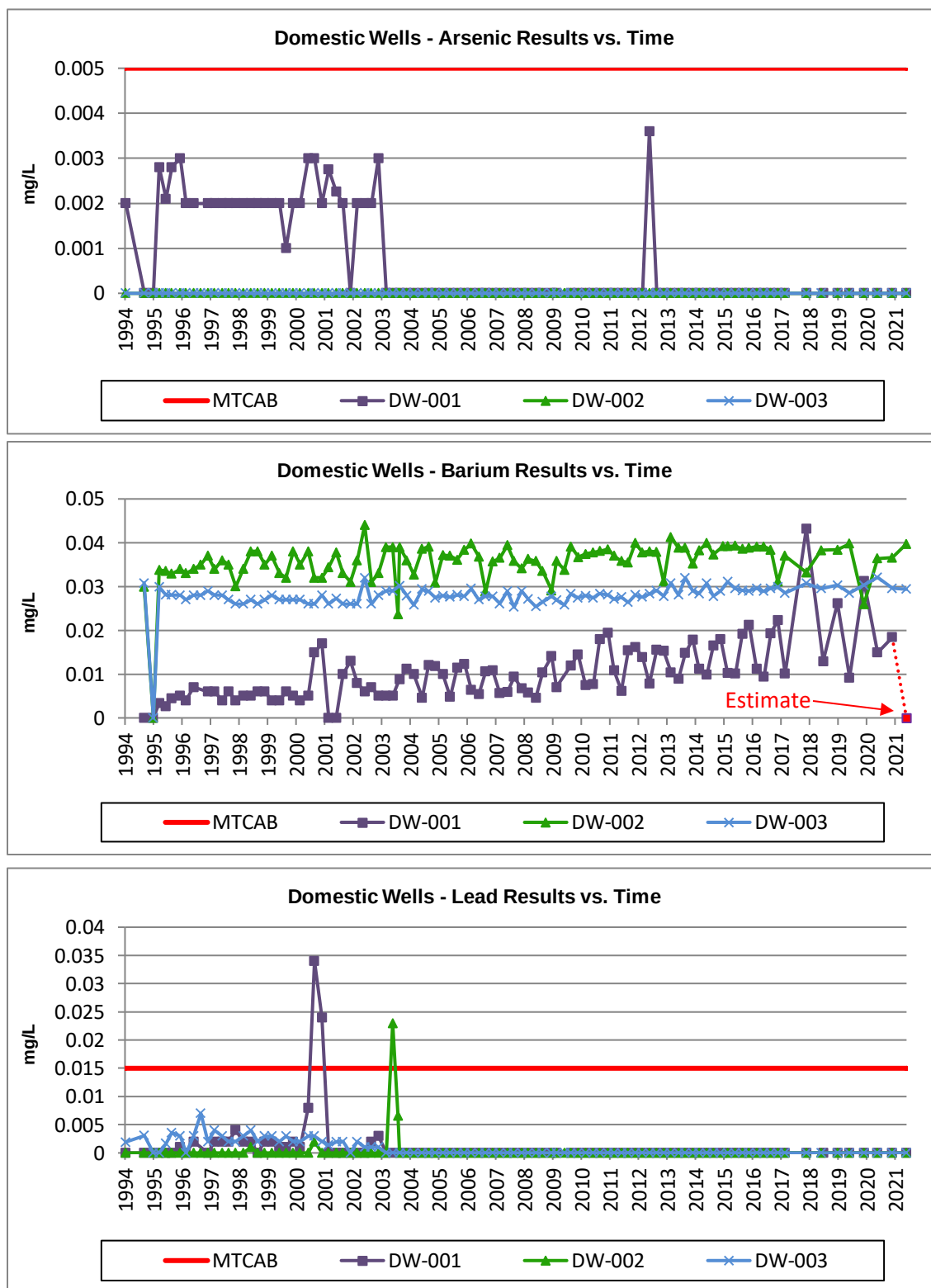
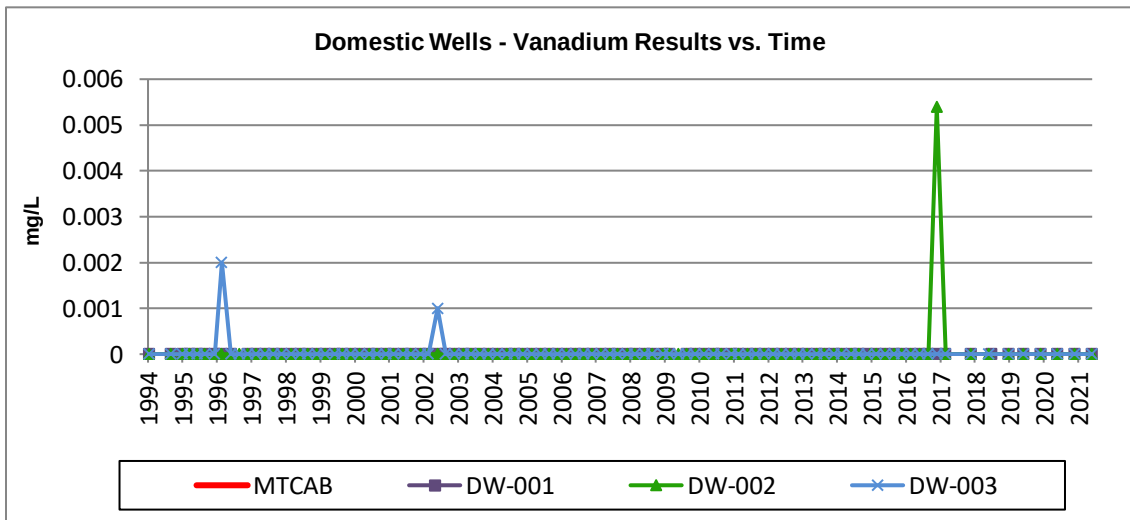
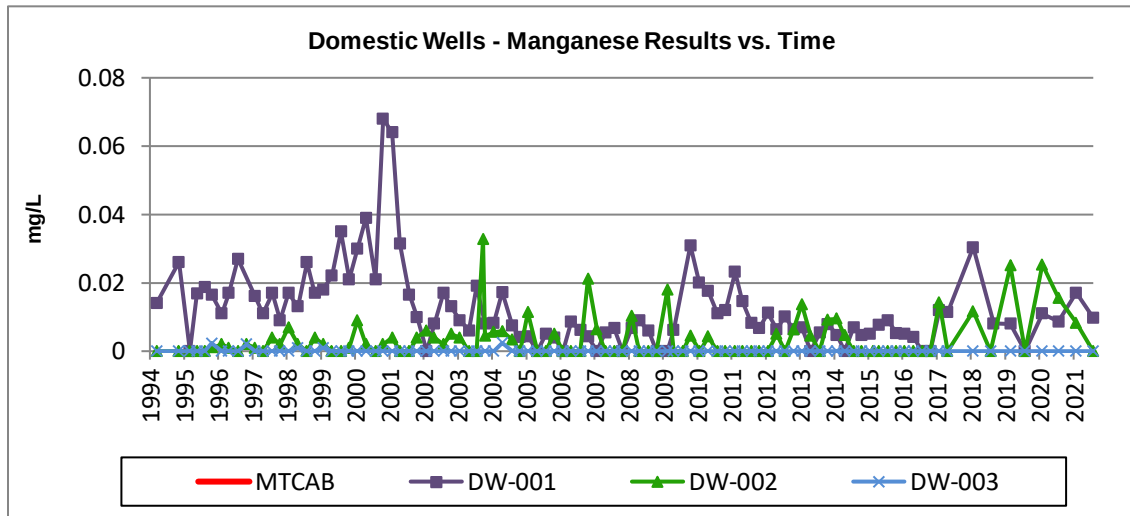
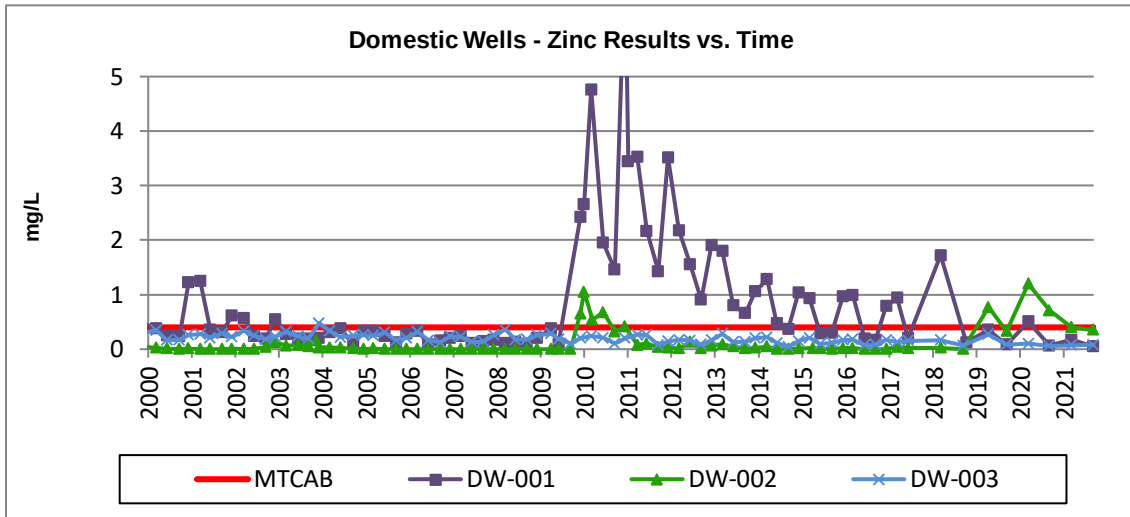


Figure 2-58: Domestic Wells Inorganics Concentration Graphs (cont.)



Domestic Wells: Conventional Time Series Graphs

Figure 2-59: Domestic Wells Conventional Concentration Graphs

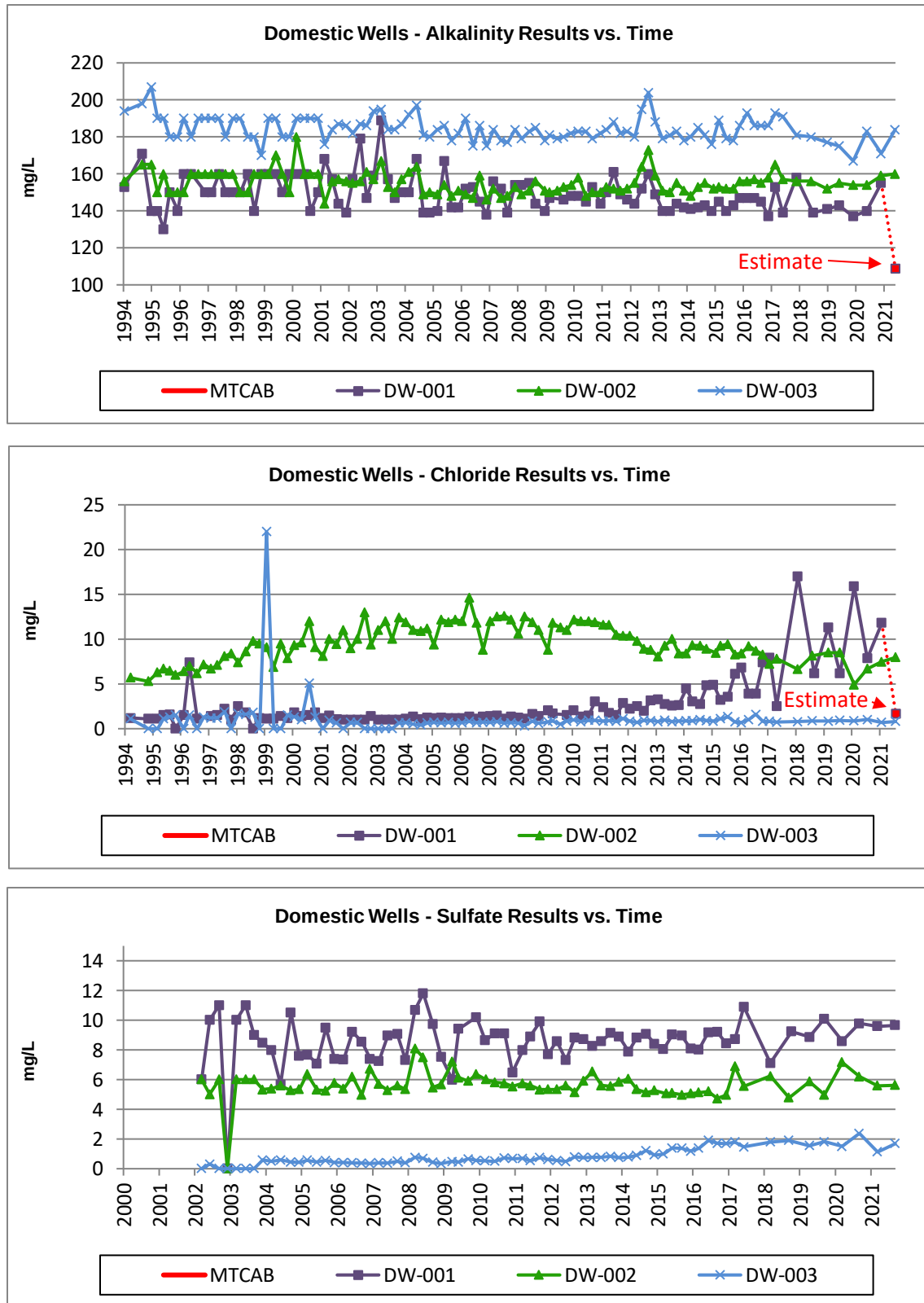
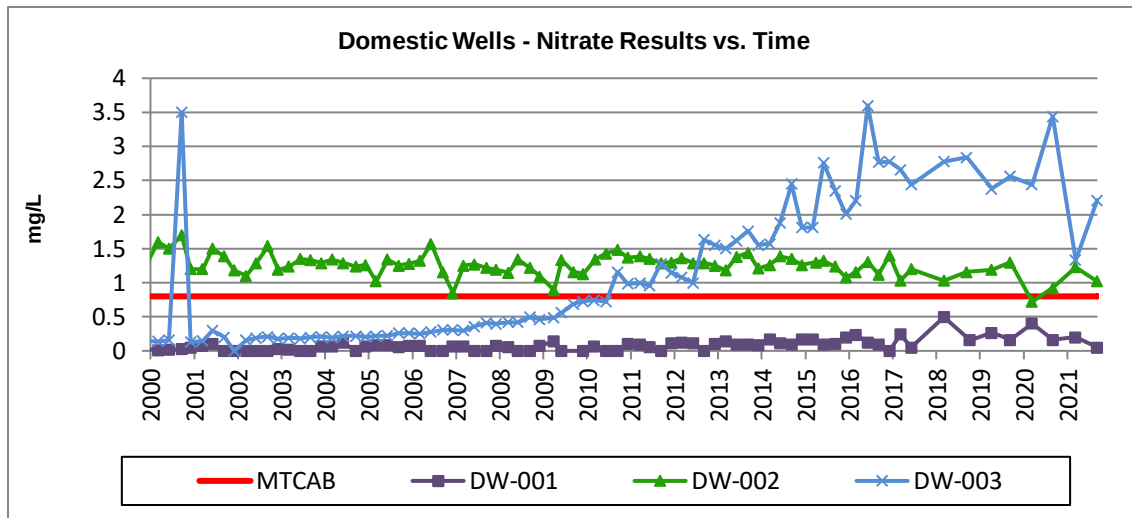


Figure 2-60: Domestic Wells Conventional Concentration Graphs (cont.)



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

StationID	DrainageArea	Analyte	- 5 Year Results	- 1 Year Results	Current Year Results	5-Year Difference	1-Year Difference	Units
DW-001	Domestic	1,2-DCP	0	0	0	0	0	ug/L
DW-001	Domestic	Acetone	0	0	0	0	0	ug/L
DW-001	Domestic	ALK	147	140	109	-38	-31	mg/L as Ca
DW-001	Domestic	As	0	0	0	0	0	mg/L
DW-001	Domestic	Ba	0.0094	0.0149	0	-0.0094	-0.0149	mg/L
DW-001	Domestic	Benzene	0	0	0	0	0	ug/L
DW-001	Domestic	Cl	3.93	7.85	1.71	-2.22	-6.14	mg/L
DW-001	Domestic	DCA	0	0	0	0	0	ug/L
DW-001	Domestic	MC	0	0	0	0	0	ug/L
DW-001	Domestic	Mn	0	0.0086	0.0098	0.0098	0.0012	mg/L
DW-001	Domestic	N-NH3	0	0	0	0	0	mg/L
DW-001	Domestic	N-NO3	0.097	0.161	0.05	-0.047	-0.111	mg/L
DW-001	Domestic	Pb	0	0	0	0	0	mg/L
DW-001	Domestic	PCE	0	0	0	0	0	ug/L
DW-001	Domestic	SO4	9.21	9.78	9.66	0.45	-0.12	mg/L
DW-001	Domestic	TCE	0	0	0	0	0	ug/L
DW-001	Domestic	TOC	0	0	0	0	0	mg/L
DW-001	Domestic	Toluene	0	0	0	0	0	ug/L
DW-001	Domestic	VC	0	0	0	0	0	ug/L
DW-001	Domestic	Zn	0.165	0.0634	0.0465	-0.1185	-0.0169	mg/L
DW-002	Domestic	1,2-DCP	0	0	0	0	0	ug/L
DW-002	Domestic	Acetone	0	0	0	0	0	ug/L
DW-002	Domestic	ALK	157	154	160	3	6	mg/L as Ca
DW-002	Domestic	As	0	0	0	0	0	mg/L
DW-002	Domestic	Ba	0.0391	0.0364	0.0397	0.0006	0.0033	mg/L
DW-002	Domestic	Benzene	0	0	0	0	0	ug/L
DW-002	Domestic	Cl	8.69	6.7	7.96	-0.73	1.26	mg/L
DW-002	Domestic	DCA	0	0	0	0	0	ug/L
DW-002	Domestic	MC	0	0	0	0	0	ug/L
DW-002	Domestic	Mn	0	0.0156	0	0	-0.0156	mg/L
DW-002	Domestic	N-NH3	0	0	0	0	0	mg/L
DW-002	Domestic	N-NO3	1.12	0.921	1.02	-0.1	0.099	mg/L
DW-002	Domestic	Pb	0	0	0	0	0	mg/L
DW-002	Domestic	PCE	0	0	0	0	0	ug/L
DW-002	Domestic	SO4	4.72	6.21	5.63	0.91	-0.58	mg/L
DW-002	Domestic	TCE	0	0	0	0	0	ug/L
DW-002	Domestic	TOC	1.04	0	0	-1.04	0	mg/L
DW-002	Domestic	Toluene	0	0	0	0	0	ug/L
DW-002	Domestic	VC	0	0	0	0	0	ug/L
DW-002	Domestic	Zn	0	0.712	0.353	0.353	-0.359	mg/L
DW-003	Domestic	1,2-DCP	0	0	0	0	0	ug/L
DW-003	Domestic	Acetone	0	0	0	0	0	ug/L
DW-003	Domestic	ALK	186	183	184	-2	1	mg/L as Ca
DW-003	Domestic	As	0	0	0	0	0	mg/L
DW-003	Domestic	Ba	0.0289	0.0321	0.0294	0.0005	-0.0027	mg/L
DW-003	Domestic	Benzene	0	0	0	0	0	ug/L
DW-003	Domestic	Cl	1.59	1.01	0.83	-0.76	-0.18	mg/L
DW-003	Domestic	DCA	0	0	0	0	0	ug/L
DW-003	Domestic	MC	0	0	0	0	0	ug/L
DW-003	Domestic	Mn	0	0	0	0	0	mg/L

DW-003	Domestic	N-NH3	0	0	0	0	0	mg/L
DW-003	Domestic	N-NO3	2.77	3.44	2.21	-0.56	-1.23	mg/L
DW-003	Domestic	Pb	0	0	0	0	0	mg/L
DW-003	Domestic	PCE	0	0	0	0	0	ug/L
DW-003	Domestic	SO4	1.71	2.38	1.69	-0.02	-0.69	mg/L
DW-003	Domestic	TCE	0	0	0	0	0	ug/L
DW-003	Domestic	TOC	0	0	0	0	0	mg/L
DW-003	Domestic	Toluene	0	0	0	0	0	ug/L
DW-003	Domestic	VC	0	0	0	0	0	ug/L
DW-003	Domestic	Zn	0.086	0.0602	0.0756	-0.0104	0.0154	mg/L

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

3 LEACHATE

3.1 LEACHATE DATA

As previously required by the wastewater discharge permit (issued by Spokane County), a grab sample was collected twice a year at the gravity line conveying leachate to the local sewer system. Grab samples were collected in November 2020 and April 2021. 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).

FIELD DATA

Field parameters were collected at the gravity line during the above sampling rounds. Results are shown in Table 3-1. Hydrographs created using levels taken at landfill leachate piezometers are presented in Figure 3-1 through Figure 3-5.

CRITERIA EXCEEDANCES

There were no exceedances of daily maximum criteria set forth for the leachate gravity line samples during this annual reporting period.

CHEMICAL DATA

Results from the analyses of the November 2020 and April 2021 leachate samples are presented in Table 3-2.

LEACHATE PRODUCTION

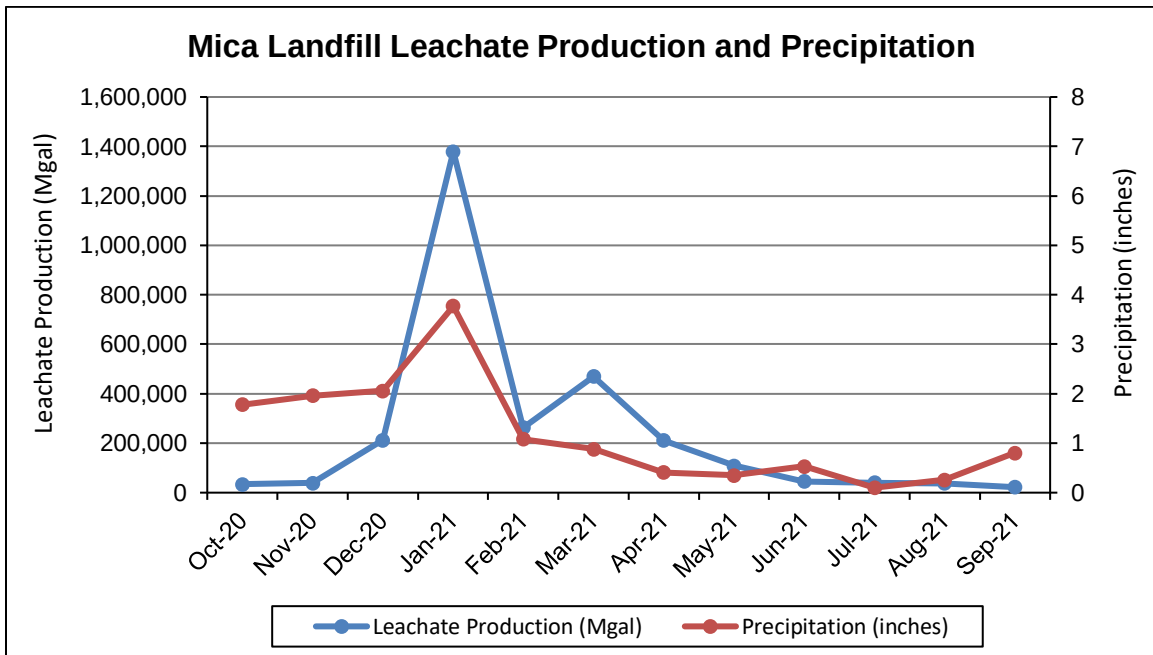
Monthly and quarterly leachate production rates are presented in Table 3-3 along with local precipitation amounts. Total annual production rates and precipitation totals versus time are shown in Figure 3-6. The total amount of leachate generated at the Mica Landfill from October 2020 through September 2021 was approximately 2,863,836 gallons.

Leachate Field Parameters

Table 3-1: Leachate Field Parameters for the Reporting Period

StationID	SampleID	SampleDate	FieldTemp	FieldPH	FieldConductivity	FieldTurbidity
LS-GL	GWLS-GL-201104-A	11/4/2020	7.2	8.14	462	4.65
LS-GL	GWLS-GL-201104-C	11/4/2020	7.7	8.22	455	4.42
LS-GL	GWLS-GL-201104-B	11/4/2020	7.7	8.2	460	4.64
LS-GL	GWLS-GL-201104-D	11/4/2020	7.9	8.18	454	4.63
LS-GL	GWLS-GL-210414-A	4/14/2021	7.2	7.77	357	3.17
LS-GL	GWLS-GL-210414-C	4/14/2021	7.3	7.78	363	3.19
LS-GL	GWLS-GL-210414-B	4/14/2021	7.3	7.8	350	3.14
LS-GL	GWLS-GL-210414-D	4/14/2021	7.3	7.78	363	3.19

Temp: Degrees C, Conductivity: umhos/cm, Turbidity: NTU



Leachate Hydrographs

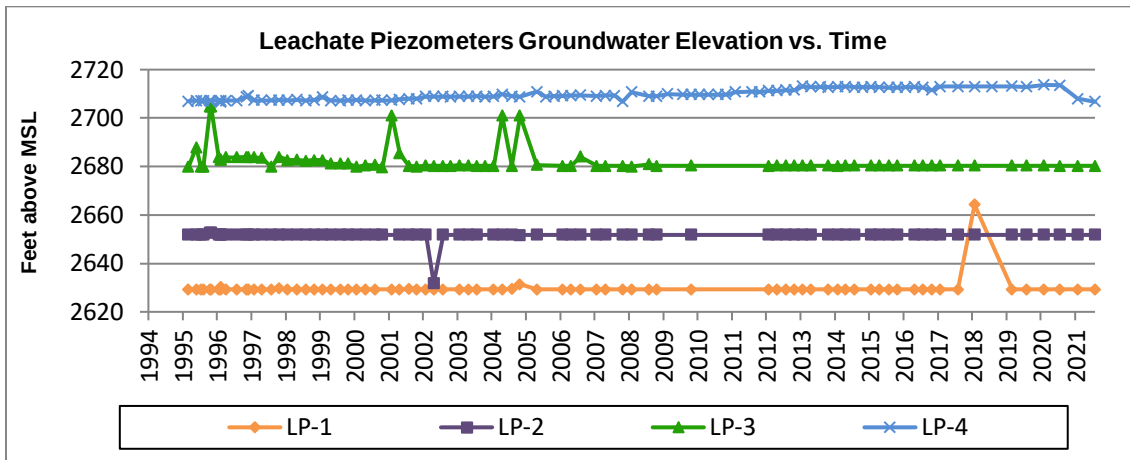


Figure 3-1: Leachate Piezometers Groundwater Elevations vs. Time

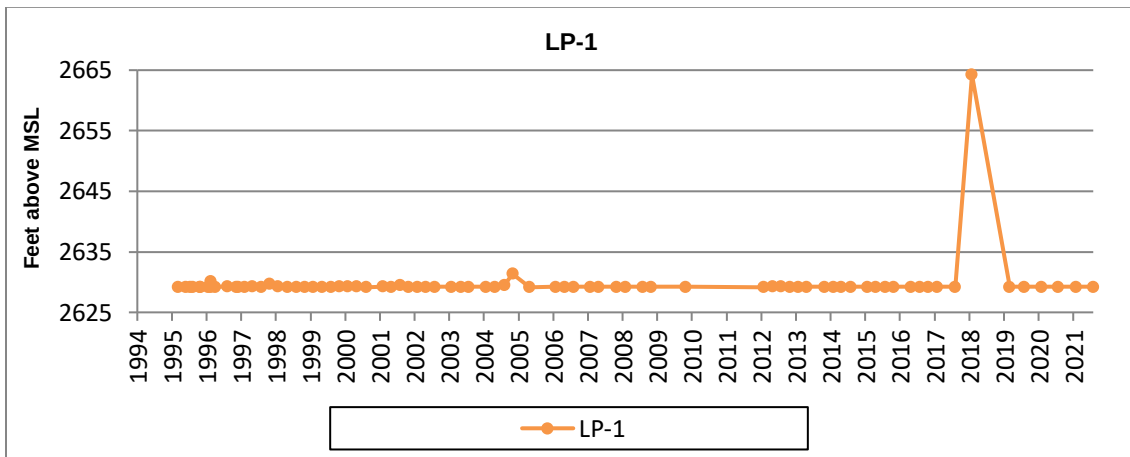


Figure 3-2: LP-1 Groundwater Elevations vs. Time

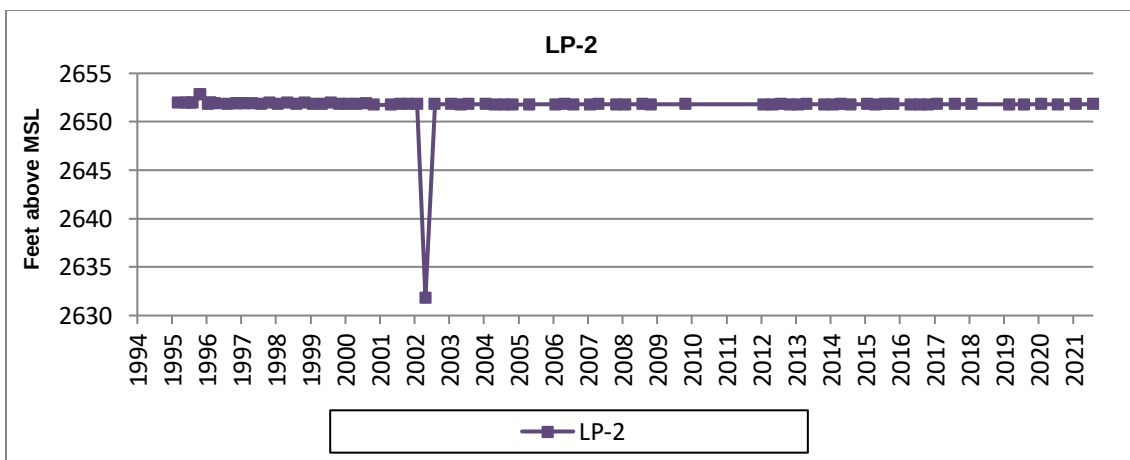


Figure 3-3: LP-2 Groundwater Elevations vs. Time

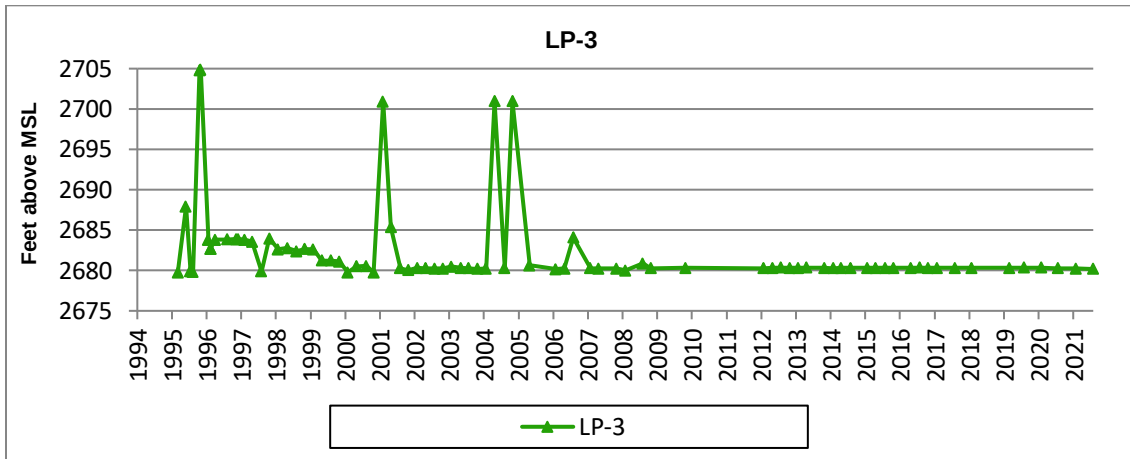


Figure 3-4: LP-3 Groundwater Elevations vs. Time

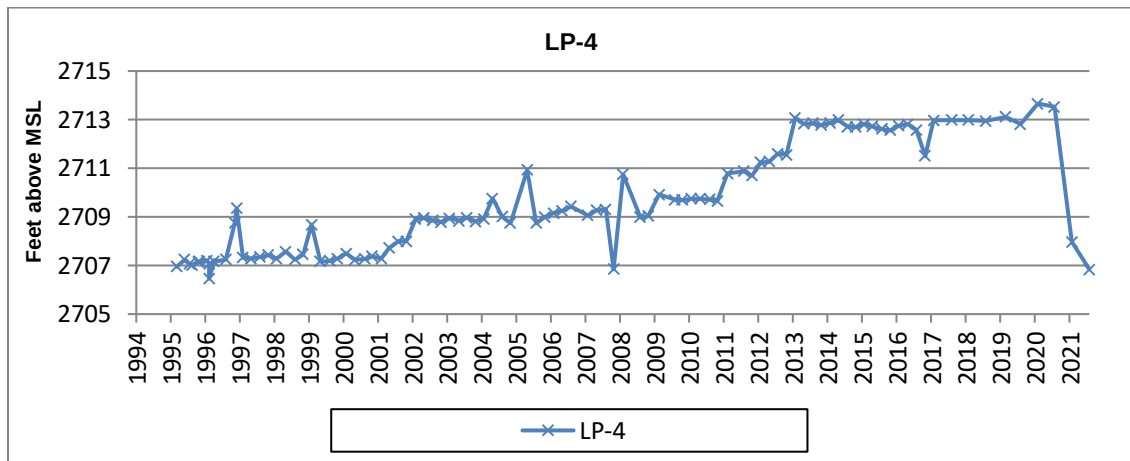


Figure 3-5: LP-4 Groundwater Elevations vs. Time

Leachate Analytical Results

Table 3-2: Leachate Analytical Results for the Reporting Period

StationID	Analyte	11/10/2020	4/14/2021
LS-GL	1,2-Dichloroethane		0.5U
LS-GL	1,2-Dichloropropane		0.5U
LS-GL	Acetone		2.5U
LS-GL	Arsenic		0.003U
LS-GL	Benzene	0.5U	0.5U
LS-GL	bis(2-Ethylhexyl)Phthalate		0.5U
LS-GL	Cadmium		0.002U
LS-GL	cis-1,2-dichloroethene		0.5U
LS-GL	Copper		0.01U
LS-GL	Ethylbenzene		0.5U
LS-GL	Lead		0.003U
LS-GL	m,p-Xylene		0.5U
LS-GL	Mercury		0.0002U
LS-GL	Methylene Chloride		2.5U
LS-GL	Nickel		0.01U
LS-GL	o-Xylene		0.5U
LS-GL	Silver		0.005U
LS-GL	Tetrachloroethene		0.5U
LS-GL	Toluene		0.5U
LS-GL	total cyanide		0.005U
LS-GL	Trichloroethene		0.5U
LS-GL	Vinyl Chloride		0.5U
LS-GL	Zinc		0.01U

Laboratory detections are highlighted in **Orange**.

Leachate Production Summary

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

Month	Leachate Volume (gal)	Precipitation (inches)
Oct-20	34,329	1.78
Nov-20	38,390	1.96
Dec-20	213,033	2.06
Jan-21	1,379,884	3.77
Feb-21	262,376	1.08
Mar-21	470,206	0.88
Apr-21	211,678	0.41
May-21	108,978	0.35
Jun-21	45,262	0.53
Jul-21	39,741	0.1
Aug-21	37,852	0.26
Sep-21	22,107	0.8
Total - Annual	2,863,836	13.98

Annual Leachate Production Rates and Precipitation Data vs. Time

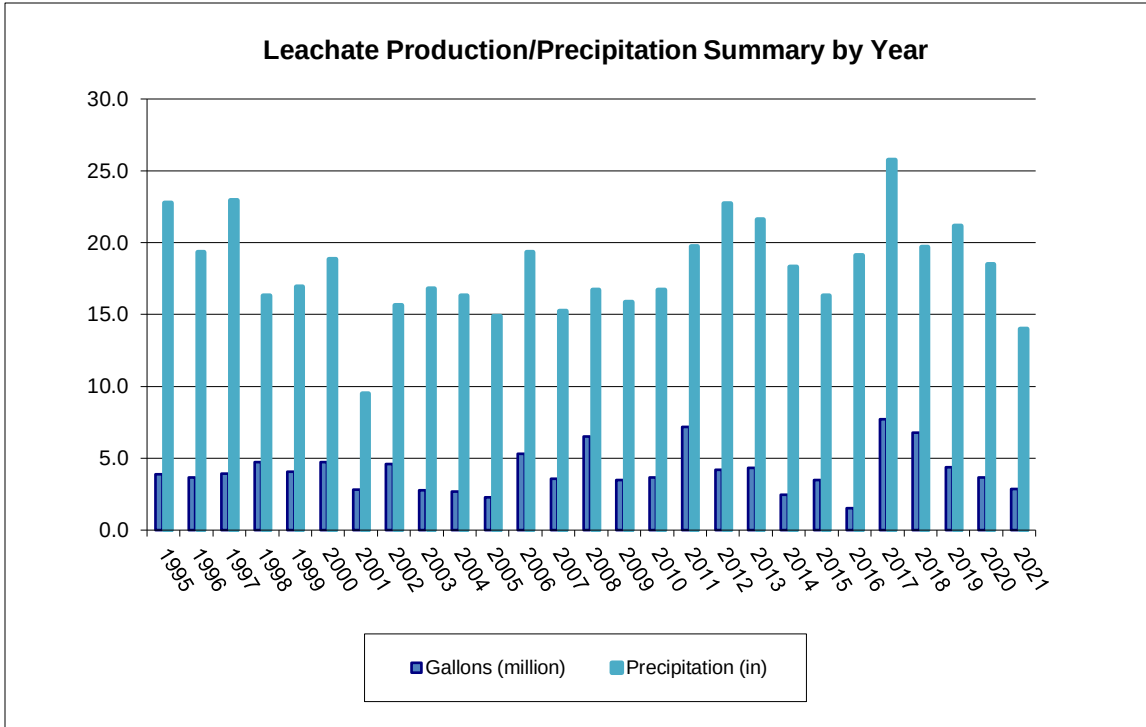


Figure 3-6: Leachate Production/Precip Summary by Year

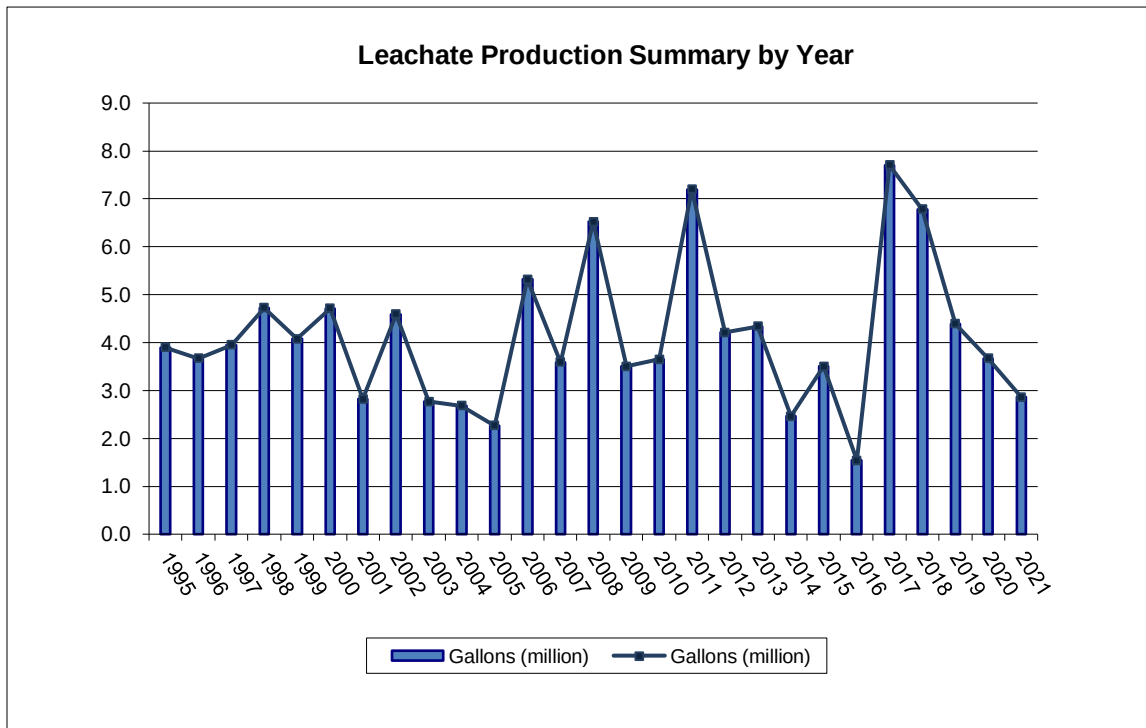


Figure 3-7: Leachate Production Summary by Year

4 LANDFILL GAS

Mica Landfill Flare and Gas Probe Locations

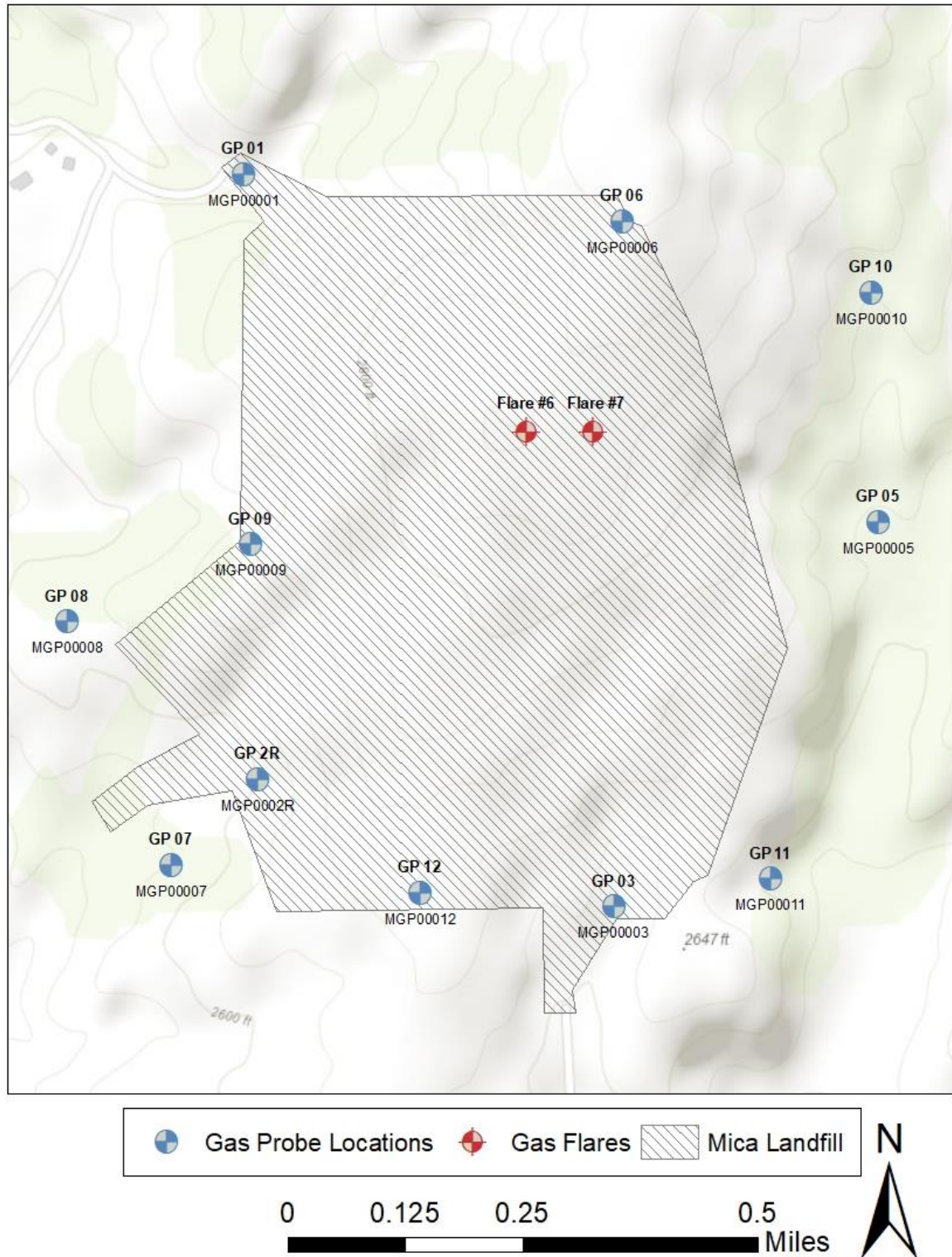


Figure 4-1: Flare and perimeter gas probe locations

FLARE STATIONS

A summary of monitoring results from the operational flare stations is presented in Table 4-1. The Mica Landfill produced an estimated 22.02 million cubic feet of landfill gas in 2021. The average methane concentration was approximately 35.6%.

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.

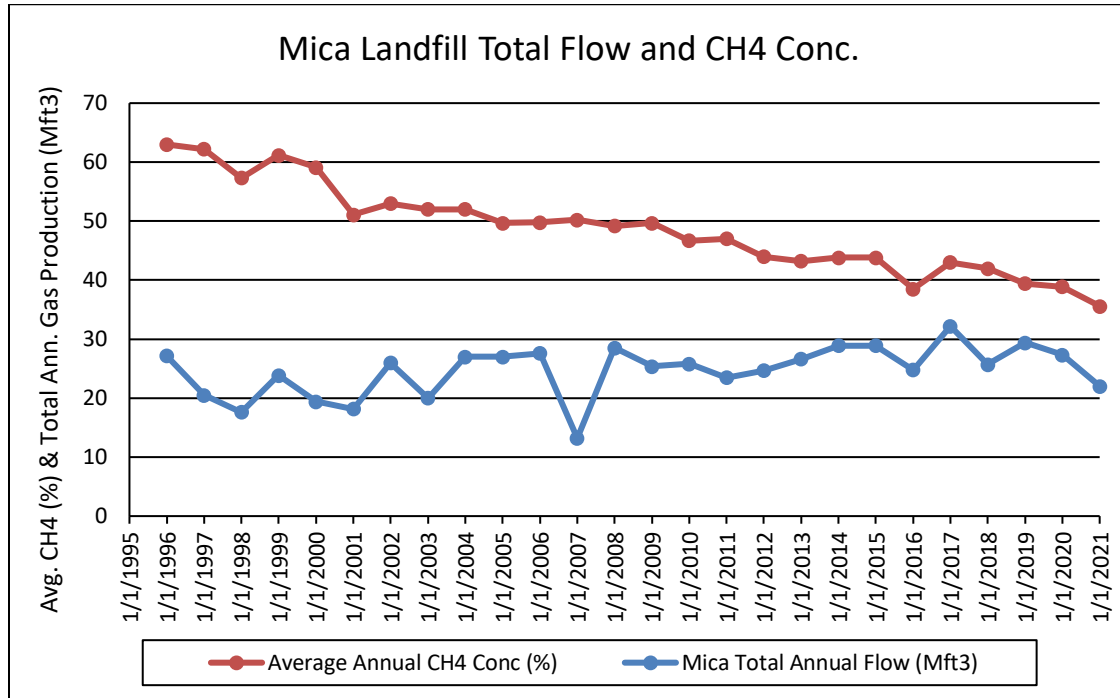


Figure 4-2: Total Annual Gas Production (Mft3) and Avg. Annual CH₄ Conc. (%)

MICA FLARE STATION SUMMARY

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

Mica Landfill Emission Point Summary for 2021				
	Flare 6		Flare 7	
DATE	flow	%CH4	flow	%CH4
Jan-21	325	45.4	250	46
Feb-21	300	44.4	250	40.3
Mar-21	340	36.5	300	34.5
Apr-21	600	37.6	530	33.2
May-21	220	28.9	215	28.6
Jun-21	350	24.25	280	23.6
Jul-21	325	40.1	315	32
Aug-21	400	36.9	340	29.8
Sep-21	250	40.8	200	41.2
Oct-21	355	28.3	280	23.7
Nov-21	600	38.1	600	35.6
Dec-21	610	43.6	500	41.2
Total	4675	444.85	4060	409.7
Average	389.6	37.1	338.3	34.1

Flare 6:	389.6	* 0.66 * 0.0872	= 22.4213	* 525,600/10 ⁶ =	11.78
Flare 7:	338.3	* 0.66 * 0.0872	= 19.47176	* 525,600/10 ⁶ =	10.23
Total=					22.02 Mft3

APPENDIX A - LABORATORY RESULTS

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

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

Work Order: MBF0363
Project: X1F0245
Reported: 12/8/2021 14:39

Analytical Results Report

Sample Location: X1F0245-01 (GWMW-016-210608)
Lab/Sample Number: MBF0363-01 **Collect Date:** 06/08/21 08:47
Date Received: 06/09/21 09:44 **Collected By:** GF
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,1-Dichloroethane	8.30	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	9.60	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,2-Dichloropropane	12.9	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
2-hexanone	ND	ug/L	25.0	6/15/21 13:59	TEC	EPA 8260D	
Acetone	972	ug/L	125	6/15/21 14:58	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Benzene	14.6	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Bromoform	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Bromomethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Chloroethane	10.0	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Chloroform	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Chloromethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	7.90	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	

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Analytical Results Report (Continued)

Sample Location: X1F0245-01 (GWMW-016-210608)
Lab/Sample Number: MBF0363-01 Collect Date: 06/08/21 08:47
Date Received: 06/09/21 09:44 Collected By: GF
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Dibromomethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Ethylbenzene	67.8	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	42.7	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Methyl ethyl ketone (MEK)	350	ug/L	125	6/15/21 14:58	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	37.6	ug/L	25.0	6/15/21 13:59	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	25.0	6/15/21 13:59	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Naphthalene	18.8	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
o-Xylene (MCL for total)	19.2	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Styrene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Toluene	17.7	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	5.00	6/15/21 13:59	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	75.9%		70-130	6/15/21 13:59	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	99.0%		70-130	6/15/21 13:59	TEC	EPA 8260D	
Surrogate: Toluene-d8	101%		70-130	6/15/21 13:59	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X1F0245-02 (MWS-2-1-210608)
Lab/Sample Number: MBF0363-02 Collect Date: 06/08/21 00:00
Date Received: 06/09/21 09:44 Collected By: GF
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	6/15/21 13:29	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	6/15/21 13:29	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	

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Analytical Results Report (Continued)

Sample Location: X1F0245-02 (MWS-2-1-210608)
Lab/Sample Number: MBF0363-02 Collect Date: 06/08/21 00:00
Date Received: 06/09/21 09:44 Collected By: GF
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	6/15/21 13:29	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	6/15/21 13:29	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	6/15/21 13:29	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	6/15/21 13:29	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	74.0%		70-130	6/15/21 13:29	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	95.2%		70-130	6/15/21 13:29	TEC	EPA 8260D	
Surrogate: Toluene-d8	101%		70-130	6/15/21 13:29	TEC	EPA 8260D	

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

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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: BBF0490 - VOC

Blank (BBF0490-BLK1)

Prepared & Analyzed: 6/15/2021

cis-1,2-Dichloroethylene	ND		0.500	ug/L
Bromomethane	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
Dibromomethane	ND		0.500	ug/L
Methyl ethyl ketone (MEK)	ND		2.50	ug/L
cis-1,3-Dichloropropene	ND		0.500	ug/L
Methyl isobutyl ketone (MIBK)	ND		2.50	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
Vinyl Chloride	ND		0.500	ug/L
Dibromochloromethane	ND		0.500	ug/L
p-isopropyltoluene	ND		0.500	ug/L
Trichloroethene	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
m/p Xylenes (MCL for total)	ND		0.500	ug/L
sec-Butylbenzene	ND		0.500	ug/L
Bromoform	ND		0.500	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
Methylene Chloride (Dichloromethane)	ND		2.50	ug/L
Styrene	ND		0.500	ug/L
1,1-Dichloropropene	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
1,2,4-Trichlorobenzene	ND		0.500	ug/L
1,2-Dichloroethane	ND		0.500	ug/L
1,2,3-Trichlorobenzene	ND		0.500	ug/L
1,2-Dichloropropane	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
1,1,1-Trichloroethane	ND		0.500	ug/L
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L
1,2,3-Trichloropropane	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
Batch: BBF0490 - VOC (Continued)										
Blank (BBF0490-BLK1)					Prepared & Analyzed: 6/15/2021					
2-hexanone	ND		2.50	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						
Acetone	ND		2.50	ug/L						
Trichlorofluoromethane	ND		0.500	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						
1,3,5-Trimethylbenzene	ND		0.500	ug/L						
p-Chlorotoluene	ND		0.500	ug/L						
trans-1,3-Dichloropropene	ND		0.500	ug/L						
Surrogate: Toluene-d8			24.8	ug/L	25.0		99.0	70-130		
Surrogate: 4-Bromofluorobenzene			24.2	ug/L	25.0		96.7	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			14.2	ug/L	19.0		74.6	70-130		

LCS (BBF0490-BS1)

					Prepared & Analyzed: 6/15/2021					
o-Chlorotoluene	9.40		0.500	ug/L	10.0		94.0	80-120		
1,2-Dichloroethane	10.1		0.500	ug/L	10.0		101	80-120		
1,2-Dichloropropane	9.60		0.500	ug/L	10.0		96.0	80-120		
1,3,5-Trimethylbenzene	9.93		0.500	ug/L	10.0		99.3	80-121		
m-Dichlorobenzene	9.35		0.500	ug/L	10.0		93.5	80-120		
1,3-Dichloropropane	9.26		0.500	ug/L	10.0		92.6	80-120		
Bromobenzene	10.8		0.500	ug/L	10.0		108	80-120		
2,2-Dichloropropane	9.31		0.500	ug/L	10.0		93.1	80-120		
trans-1,3-Dichloropropene	9.53		0.500	ug/L	10.0		95.3	69-130		
2-hexanone	8.62		2.50	ug/L	10.0		86.2	65-140		
p-Chlorotoluene	9.36		0.500	ug/L	10.0		93.6	80-124		
Acrylonitrile	10.1		0.500	ug/L	10.0		101	73-131		
Benzene	9.73		0.500	ug/L	10.0		97.3	80-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	10.1		0.500	ug/L	10.0		101	80-120		
1,1-Dichloroethylene	10.1		0.500	ug/L	10.0		101	70-129		
Trichlorofluoromethane	10.4		0.500	ug/L	10.0		104	61-140		
Trichloroethene	10.4		0.500	ug/L	10.0		104	80-120		
1,1,1,2-Tetrachloroethane	9.95		0.500	ug/L	10.0		99.5	80-120		
1,1,1-Trichloroethane	9.53		0.500	ug/L	10.0		95.3	80-120		
1,1,2,2-Tetrachloroethane	9.03		0.500	ug/L	10.0		90.3	77-123		
Vinyl Chloride	9.57		0.500	ug/L	10.0		95.7	75-120		
1,1-Dichloroethane	10.0		0.500	ug/L	10.0		100	80-120		
EDB (screening)	9.51		0.500	ug/L	10.0		95.1	70-130		
1,1-Dichloropropene	9.81		0.500	ug/L	10.0		98.1	80-120		
1,2,3-Trichlorobenzene	9.05		0.500	ug/L	10.0		90.5	78-120		
1,2,3-Trichloropropane	9.93		0.500	ug/L	10.0		99.3	80-120		
1,2,4-Trichlorobenzene	9.18		0.500	ug/L	10.0		91.8	80-120		
1,2,4-Trimethylbenzene	9.70		0.500	ug/L	10.0		97.0	80-120		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.86		0.500	ug/L	10.0		98.6	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: BBF0490 - VOC (Continued)										
LCS (BBF0490-BS1)					Prepared & Analyzed: 6/15/2021					
1,1,2-Trichlorethane	9.16		0.500	ug/L	10.0		91.6	80-120		
Styrene	9.59		0.500	ug/L	10.0		95.9	80-120		
Methyl isobutyl ketone (MIBK)	8.85		2.50	ug/L	10.0		88.5	70-136		
methyl-t-butyl ether (MTBE)	9.30		0.500	ug/L	10.0		93.0	71-130		
Naphthalene	8.40		0.500	ug/L	10.0		84.0	66-133		
n-Butylbenzene	9.11		0.500	ug/L	10.0		91.1	74-122		
n-Propylbenzene	9.50		0.500	ug/L	10.0		95.0	80-120		
Methyl ethyl ketone (MEK)	9.48		2.50	ug/L	10.0		94.8	55-154		
p-isopropyltoluene	9.72		0.500	ug/L	10.0		97.2	80-120		
o-Xylene (MCL for total)	9.40		0.500	ug/L	10.0		94.0	80-120		
tert-Butylbenzene	9.54		0.500	ug/L	10.0		95.4	80-120		
Tetrachloroethylene	10.1		0.500	ug/L	10.0		101	80-120		
Toluene	9.59		0.500	ug/L	10.0		95.9	80-120		
Bromochloromethane	10.5		0.500	ug/L	10.0		105	80-120		
trans-1,2 Dichloroethylene	10.0		0.500	ug/L	10.0		100	80-120		
DBCP (screening)	8.46		0.500	ug/L	10.0		84.6	71-128		
Carbon disulfide	9.98		0.500	ug/L	10.0		99.8	80-120		
sec-Butylbenzene	9.46		0.500	ug/L	10.0		94.6	80-120		
Bromoform	10.4		0.500	ug/L	10.0		104	68-133		
m/p Xylenes (MCL for total)	19.5		0.500	ug/L	20.0		97.6	80-120		
Carbon Tetrachloride	10.5		0.500	ug/L	10.0		105	80-120		
Chlorobenzene (Monochlorobenzene)	9.63		0.500	ug/L	10.0		96.3	80-120		
Chloroethane	9.44		0.500	ug/L	10.0		94.4	78-120		
Chloroform	9.26		0.500	ug/L	10.0		92.6	80-120		
Ethylbenzene	9.56		0.500	ug/L	10.0		95.6	80-120		
Bromodichloromethane	9.59		0.500	ug/L	10.0		95.9	80-120		
cis-1,2-Dichloroethylene	9.31		0.500	ug/L	10.0		93.1	80-120		
Hexachlorobutadiene	9.93		0.500	ug/L	10.0		99.3	80-120		
Dichlorodifluoromethane	8.15		0.500	ug/L	10.0		81.5	57-130		
Dibromomethane	10.3		0.500	ug/L	10.0		103	80-120		
Dibromochloromethane	10.2		0.500	ug/L	10.0		102	80-121		
cis-1,3-Dichloropropene	9.96		0.500	ug/L	10.0		99.6	79-123		
Isopropylbenzene	9.94		0.500	ug/L	10.0		99.4	80-120		
Surrogate: 4-Bromofluorobenzene			24.5	ug/L	25.0		97.8	70-130		
Surrogate: Toluene-d8			25.0	ug/L	25.0		100	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			16.4	ug/L	19.0		86.4	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
Batch: BBF0490 - VOC (Continued)										
Matrix Spike (BBF0490-MS1)			Source: MBF0363-01		Prepared & Analyzed: 6/15/2021					
Isopropylbenzene	108		5.00	ug/L	100	ND	108	70-130		
Chlorobenzene (Monochlorobenzene)	103		5.00	ug/L	100	ND	103	70-130		
Dibromomethane	106		5.00	ug/L	100	ND	106	70-130		
Hexachlorobutadiene	104		5.00	ug/L	100	ND	104	70-130		
Ethylbenzene	160		5.00	ug/L	100	67.8	92.6	70-130		
m/p Xylenes (MCL for total)	239		5.00	ug/L	200	42.7	97.9	57-130		
Dichlorodifluoromethane	102		5.00	ug/L	100	ND	102	57-136		
Dibromochloromethane	102		5.00	ug/L	100	ND	102	70-130		
cis-1,3-Dichloropropene	108		5.00	ug/L	100	ND	108	74-124		
cis-1,2-Dichloroethylene	102		5.00	ug/L	100	7.90	94.4	70-130		
Chloroethane	101		5.00	ug/L	100	10.0	91.4	68-138		
Carbon Tetrachloride	108		5.00	ug/L	100	ND	108	70-130		
Carbon disulfide	125		5.00	ug/L	100	ND	125	70-130		
Methyl ethyl ketone (MEK)	476		25.0	ug/L	100	350	126	47-165		
Chloroform	99.7		5.00	ug/L	100	ND	99.7	70-130		
sec-Butylbenzene	98.3		5.00	ug/L	100	ND	98.3	70-130		
Trichlorofluoromethane	109		5.00	ug/L	100	ND	109	50-154		
Trichloroethene	109		5.00	ug/L	100	ND	109	70-130		
trans-1,2 Dichloroethylene	106		5.00	ug/L	100	ND	106	70-130		
Toluene	117		5.00	ug/L	100	17.7	99.4	70-130		
Tetrachloroethylene	108		5.00	ug/L	100	ND	108	70-130		
trans-1,3-Dichloropropene	99.4		5.00	ug/L	100	ND	99.4	61-131		
Styrene	95.5		5.00	ug/L	100	ND	95.5	30-130		
Methyl isobutyl ketone (MIBK)	153		25.0	ug/L	100	37.6	115	53-167		
p-isopropyltoluene	104		5.00	ug/L	100	ND	104	70-130		
o-Xylene (MCL for total)	115		5.00	ug/L	100	19.2	96.2	62-127		
n-Propylbenzene	99.2		5.00	ug/L	100	ND	99.2	70-130		
n-Butylbenzene	94.2		5.00	ug/L	100	ND	94.2	67-130		
Naphthalene	105		5.00	ug/L	100	18.8	85.8	56-147		
methyl-t-butyl ether (MTBE)	96.8		5.00	ug/L	100	ND	96.8	57-138		
tert-Butylbenzene	100		5.00	ug/L	100	ND	100	70-130		
1,1-Dichloropropene	108		5.00	ug/L	100	ND	108	70-130		
1,1,2,2-Tetrachloroethane	102		5.00	ug/L	100	ND	102	67-136		
EDB (screening)	104		5.00	ug/L	100	ND	104	70-130		
DBCP (screening)	99.9		5.00	ug/L	100	ND	99.9	55-146		
1,2,4-Trimethylbenzene	116		5.00	ug/L	100	9.60	106	40-140		
1,2,4-Trichlorobenzene	98.9		5.00	ug/L	100	ND	98.9	70-130		
1,2,3-Trichlorobenzene	100		5.00	ug/L	100	ND	100	67-134		
1,2-Dichloroethane	108		5.00	ug/L	100	ND	108	70-130		
1,1-Dichloroethylene	104		5.00	ug/L	100	ND	104	70-130		
1,1-Dichloroethane	106		5.00	ug/L	100	8.30	97.5	70-130		
1,1,2-Trichloroethane	102		5.00	ug/L	100	ND	102	70-130		
Vinyl Chloride	94.6		5.00	ug/L	100	ND	94.6	70-130		
1,1,1,2-Tetrachloroethane	106		5.00	ug/L	100	ND	106	70-130		
1,1,1-Trichloroethane	96.4		5.00	ug/L	100	ND	96.4	70-130		
1,2,3-Trichloropropane	108		5.00	ug/L	100	ND	108	69-137		
2-hexanone	104		25.0	ug/L	100	ND	104	43-175		
Bromodichloromethane	97.8		5.00	ug/L	100	ND	97.8	70-130		
Bromochloromethane	104		5.00	ug/L	100	ND	104	70-130		
Bromobenzene	110		5.00	ug/L	100	ND	110	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
Batch: BBF0490 - VOC (Continued)										
Matrix Spike (BBF0490-MS1)			Source: MBF0363-01		Prepared & Analyzed: 6/15/2021					
Benzene	112		5.00	ug/L	100	14.6	97.6	70-130		
Acrylonitrile	106		5.00	ug/L	100	ND	106	65-137		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	97.4		5.00	ug/L	100	ND	97.4	70-130		
Bromoform	105		5.00	ug/L	100	ND	105	59-140		
o-Chlorotoluene	96.9		5.00	ug/L	100	ND	96.9	70-130		
2,2-Dichloropropane	96.4		5.00	ug/L	100	ND	96.4	70-130		
1,4-Dichlorobenzene (para-Dichlorobenzene)	109		5.00	ug/L	100	ND	109	70-130		
1,3-Dichloropropane	96.5		5.00	ug/L	100	ND	96.5	70-130		
m-Dichlorobenzene	99.0		5.00	ug/L	100	ND	99.0	70-130		
1,3,5-Trimethylbenzene	105		5.00	ug/L	100	ND	105	40-140		
1,2-Dichloropropane	114		5.00	ug/L	100	12.9	101	70-130		
p-Chlorotoluene	97.0		5.00	ug/L	100	ND	97.0	70-130		
Surrogate: Toluene-d8			25.3	ug/L	25.0		101	70-130		
Surrogate: 4-Bromofluorobenzene			24.6	ug/L	25.0		98.6	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			16.2	ug/L	19.0		85.3	70-130		

Matrix Spike Dup (BBF0490-MSD1)			Source: MBF0363-01		Prepared & Analyzed: 6/15/2021					
Bromodichloromethane	97.8		5.00	ug/L	100	ND	97.8	70-130	0.00	25
o-Chlorotoluene	100		5.00	ug/L	100	ND	100	70-130	3.25	25
Bromochloromethane	110		5.00	ug/L	100	ND	110	70-130	6.07	25
1,2-Dichloropropane	118		5.00	ug/L	100	12.9	106	70-130	4.23	25
1,3,5-Trimethylbenzene	108		5.00	ug/L	100	ND	108	40-140	3.38	25
m-Dichlorobenzene	103		5.00	ug/L	100	ND	103	70-130	3.67	25
1,3-Dichloropropane	96.1		5.00	ug/L	100	ND	96.1	70-130	0.415	25
2,2-Dichloropropane	96.0		5.00	ug/L	100	ND	96.0	70-130	0.416	25
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	108		5.00	ug/L	100	ND	108	70-130	10.6	25
2-hexanone	90.8		25.0	ug/L	100	ND	90.8	43-175	13.7	25
p-Chlorotoluene	99.2		5.00	ug/L	100	ND	99.2	70-130	2.24	25
Acrylonitrile	110		5.00	ug/L	100	ND	110	65-137	3.05	25
Benzene	114		5.00	ug/L	100	14.6	99.7	70-130	1.85	25
Carbon disulfide	111		5.00	ug/L	100	ND	111	70-130	11.6	25
1,4-Dichlorobenzene (para-Dichlorobenzene)	115		5.00	ug/L	100	ND	115	70-130	6.16	25
1,1-Dichloropropene	105		5.00	ug/L	100	ND	105	70-130	3.00	25
Vinyl Chloride	103		5.00	ug/L	100	ND	103	70-130	8.11	25
1,1,1,2-Tetrachloroethane	104		5.00	ug/L	100	ND	104	70-130	2.28	25
1,1,1-Trichloroethane	102		5.00	ug/L	100	ND	102	70-130	5.94	25
1,1,2,2-Tetrachloroethane	98.4		5.00	ug/L	100	ND	98.4	67-136	3.79	25
1,1,2-Trichloroethane	97.1		5.00	ug/L	100	ND	97.1	70-130	4.82	25
1,2-Dichloroethane	106		5.00	ug/L	100	ND	106	70-130	2.06	25
1,1-Dichloroethylene	103		5.00	ug/L	100	ND	103	70-130	0.968	25
Bromoform	101		5.00	ug/L	100	ND	101	59-140	3.70	25
1,2,3-Trichlorobenzene	104		5.00	ug/L	100	ND	104	67-134	3.83	25
1,2,3-Trichloropropane	99.3		5.00	ug/L	100	ND	99.3	69-137	7.93	25
1,2,4-Trichlorobenzene	103		5.00	ug/L	100	ND	103	70-130	4.35	25
1,2,4-Trimethylbenzene	116		5.00	ug/L	100	9.60	106	40-140	0.0865	25
DBCP (screening)	97.8		5.00	ug/L	100	ND	97.8	55-146	2.12	25
EDB (screening)	102		5.00	ug/L	100	ND	102	70-130	1.85	25
1,1-Dichloroethane	112		5.00	ug/L	100	8.30	104	70-130	5.96	25
tert-Butylbenzene	100		5.00	ug/L	100	ND	100	70-130	0.00	25
Bromobenzene	109		5.00	ug/L	100	ND	109	70-130	0.274	25

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - 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: BBF0490 - VOC (Continued)										
Matrix Spike Dup (BBF0490-MSD1)			Source: MBF0363-01		Prepared & Analyzed: 6/15/2021					
n-Butylbenzene	105		5.00	ug/L	100	ND	105	67-130	11.1	25
n-Propylbenzene	101		5.00	ug/L	100	ND	101	70-130	2.19	25
o-Xylene (MCL for total)	116		5.00	ug/L	100	19.2	96.6	62-127	0.346	25
p-isopropyltoluene	103		5.00	ug/L	100	ND	103	70-130	0.963	25
methyl-t-butyl ether (MTBE)	99.7		5.00	ug/L	100	ND	99.7	57-138	2.95	25
Styrene	94.0		5.00	ug/L	100	ND	94.0	30-130	1.58	25
Methyl isobutyl ketone (MIBK)	144		25.0	ug/L	100	37.6	107	53-167	5.80	25
Tetrachloroethylene	107		5.00	ug/L	100	ND	107	70-130	0.653	25
Toluene	117		5.00	ug/L	100	17.7	98.9	70-130	0.428	25
trans-1,2 Dichloroethylene	107		5.00	ug/L	100	ND	107	70-130	1.03	25
trans-1,3-Dichloropropene	98.8		5.00	ug/L	100	ND	98.8	61-131	0.605	25
Trichloroethene	110		5.00	ug/L	100	ND	110	70-130	1.19	25
sec-Butylbenzene	102		5.00	ug/L	100	ND	102	70-130	3.99	25
Dibromomethane	107		5.00	ug/L	100	ND	107	70-130	1.41	25
Carbon Tetrachloride	110		5.00	ug/L	100	ND	110	70-130	2.39	25
Chlorobenzene (Monochlorobenzene)	103		5.00	ug/L	100	ND	103	70-130	0.487	25
Chloroethane	108		5.00	ug/L	100	10.0	98.0	68-138	6.30	25
Chloroform	100		5.00	ug/L	100	ND	100	70-130	0.400	25
cis-1,2-Dichloroethylene	106		5.00	ug/L	100	7.90	97.8	70-130	3.27	25
Naphthalene	111		5.00	ug/L	100	18.8	92.3	56-147	6.03	25
Dibromochloromethane	98.4		5.00	ug/L	100	ND	98.4	70-130	3.40	25
Trichlorofluoromethane	106		5.00	ug/L	100	ND	106	50-154	2.61	25
Dichlorodifluoromethane	95.0		5.00	ug/L	100	ND	95.0	57-136	7.50	25
Ethylbenzene	165		5.00	ug/L	100	67.8	96.7	70-130	2.52	25
Hexachlorobutadiene	110		5.00	ug/L	100	ND	110	70-130	5.50	25
Isopropylbenzene	108		5.00	ug/L	100	ND	108	70-130	0.186	25
m/p Xylenes (MCL for total)	243		5.00	ug/L	200	42.7	100	57-130	1.95	25
Methyl ethyl ketone (MEK)	449		25.0	ug/L	100	350	99.2	47-165	5.86	25
cis-1,3-Dichloropropene	106		5.00	ug/L	100	ND	106	74-124	1.68	25
Surrogate: 4-Bromofluorobenzene			23.7	ug/L	25.0		94.8	70-130		
Surrogate: Toluene-d8			24.9	ug/L	25.0		99.4	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			17.1	ug/L	19.0		89.7	70-130		

SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2021

MBF0363

Due: 06/23/21

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 # K2735218821
OF COOLERS: 1

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PAGE 1 OF 1

PARAMETERS: METHOD: BOTTLES: LAB: PRESERVATION:			VOLATILES	SEMI VOLATILES BEHP	SAMPLERS:		
			8260C	8270D			
			3-40 ml. VOA'S	1 LITER AMBER GLASS			
			ANATEK LAB	ANATEK LAB			
			HCl pH<2	UNPRESERVED	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME					
GWMW-016-210608	6/8/21	0847	3		3	1A	
MWS-2-1-210608	TRIP Blank		2		2	1A	

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

RELINQUISHED BY:

SIGNATURE: *Jordan Fiset*
PRINT NAME: Gordon Fiset

DATE: 6/8/2021
TIME: 1300

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY: *Hannah Sullivan*

SIGNATURE: *HS*
PRINT NAME:

DATE: 6/9/21
TIME: 9:44

COMPANY: Anatek



Anatek Labs, Inc.

Sample Receipt and Preservation Form

MBF0363



Due: 06/23/21

Client Name: Spokane County Utilities Project:

TAT: Normal RUSH: _____ days

Samples Received From: FedEx UPS USPS Client Courier Other: _____

Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/A

Number of Coolers/Boxes: 1 Type of Ice: Ice/Ice Packs Blue Ice Dry Ice None

Packing Material: Bubble Wrap Bags Foam/Peanuts None Other: _____

Cooler Temp As Read (°C): 3.9 Cooler Temp Corrected (°C): — Thermometer Used: IR-S

Samples Received Intact?	<u>Yes</u>	No	N/A
Chain of Custody Present?	<u>Yes</u>	No	N/A
Samples Received Within Hold Time?	<u>Yes</u>	No	N/A
Samples Properly Preserved?	<u>Yes</u>	No	N/A
VOC Vials Free of Headspace (<6mm)?	<u>Yes</u>	No	N/A
VOC Trip Blanks Present?	<u>Yes</u>	No	N/A
Labels and Chains Agree?	<u>Yes</u>	No	N/A
Total Number of Sample Bottles Received:	<u>5</u>		

Comments:

Chain of Custody Fully Completed?	<u>Yes</u>	No	N/A
Correct Containers Received?	<u>Yes</u>	No	N/A
Anatek Bottles Used?	Yes	<u>No</u>	Unknown

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

<u>HCl → 8260 VOC</u>

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

--

Received/Inspected By: [Signature] Date/Time: 6/9/21 9:44

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2021**

MBF0363

Due: 06/23/21

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 # K2735218821
OF COOLERS: 1

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PAGE 1 OF 1

PARAMETERS: METHOD: BOTTLES: LAB: PRESERVATION:			VOLATILES	SEMI VOLATILES BEHP	SAMPLERS:		
			8260C	8270D			
			3-40 ml. VOA'S	1 LITER AMBER GLASS			
			ANATEK LAB	ANATEK LAB			
			HCl pH<2	UNPRESERVED	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME					
GWMW-016-210608	6/8/21	0847	3		3	1A	
MWS-2-1-210608	TRIP Blank		2		2	1A	

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

RELINQUISHED BY:

SIGNATURE: *Jordan Fiset*
PRINT NAME: Gordon Fiset

DATE: 6/8/2021
TIME: 1300

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY: *Hannah Sullivan*

SIGNATURE: *HS*
PRINT NAME:

DATE: 6/9/21
TIME: 9:44

COMPANY: Anatek



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: **X1F0221**
Reported: 28-Jun-21 16:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWMW-016-210608	X1F0221-01	Ground Water	08-Jun-21 08:47	GF	09-Jun-2021	Q5

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.

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.

Case Narrative: X1F0221

SVL is not accredited by the state of Washington for 7470 Hg, 6020 As or 6010 Ba, Mn, Pb V, and Zn.



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

Work Order: **X1F0221**
Reported: 28-Jun-21 16:30

Client Sample ID: **GWMW-016-210608**

Sampled: 08-Jun-21 08:47

Received: 09-Jun-21

Sampled By: GF

SVL Sample ID: **X1F0221-01 (Ground Water)**

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X125250	AM	06/22/21 11:49	M2
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Metals (Total Recoverable)

EPA 6010D	Barium	0.681	mg/L	0.0040	0.0019		X124249	AS	06/22/21 14:52	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X124249	AS	06/22/21 14:52	
EPA 6010D	Manganese	0.571	mg/L	0.0080	0.0034		X124249	AS	06/22/21 14:52	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X124249	AS	06/22/21 14:52	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X124249	AS	06/22/21 14:52	
EPA 6020B	Arsenic	0.0636	mg/L	0.00300	0.00021		X124254	JFB	06/21/21 18:19	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	0.404	mg/L	0.030	0.013		X126182	KJR	06/24/21 21:11	M2
SM 5310B	Total Organic Carbon	54.4	mg/L	3.00	1.15	3	X125278	SM	06/23/21 18:17	D1

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Herman J. Haring
Project Manager



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

Work Order: **X1F0221**
Reported: 28-Jun-21 16:30

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	<0.000200	0.000093	0.000200	X125250	22-Jun-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X124249	22-Jun-21	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X124249	22-Jun-21	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X124249	22-Jun-21	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X124249	22-Jun-21	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X124249	22-Jun-21	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X124254	21-Jun-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X126182	24-Jun-21	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X125278	20-Jun-21	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X125278	20-Jun-21	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	0.00500	0.00500	100	80 - 120	X125250	22-Jun-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	0.983	1.00	98.3	80 - 120	X124249	22-Jun-21	
EPA 6010D	Lead	mg/L	0.947	1.00	94.7	80 - 120	X124249	22-Jun-21	
EPA 6010D	Manganese	mg/L	0.973	1.00	97.3	80 - 120	X124249	22-Jun-21	
EPA 6010D	Vanadium	mg/L	0.978	1.00	97.8	80 - 120	X124249	22-Jun-21	
EPA 6010D	Zinc	mg/L	0.939	1.00	93.9	80 - 120	X124249	22-Jun-21	
EPA 6020B	Arsenic	mg/L	0.0230	0.0250	92.0	80 - 120	X124254	21-Jun-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.03	1.00	103	90 - 110	X126182	24-Jun-21	
SM 5310B	Total Organic Carbon	mg/L	34.2	34.3	99.8	90 - 110	X125278	20-Jun-21	
SM 5310B	Total Organic Carbon	mg/L	34.5	34.3	101	90 - 110	X125278	20-Jun-21	

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	0.000749	<0.000200	0.00100	74.9	75 - 125	X125250 - X1F0221-01	22-Jun-21	M2
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.73	0.681	1.00	105	75 - 125	X124249 - X1F0221-01	22-Jun-21	
EPA 6010D	Lead	mg/L	0.939	<0.0150	1.00	93.9	75 - 125	X124249 - X1F0221-01	22-Jun-21	
EPA 6010D	Manganese	mg/L	1.58	0.571	1.00	101	75 - 125	X124249 - X1F0221-01	22-Jun-21	
EPA 6010D	Vanadium	mg/L	1.01	<0.0050	1.00	101	75 - 125	X124249 - X1F0221-01	22-Jun-21	
EPA 6010D	Zinc	mg/L	0.930	<0.0100	1.00	93.0	75 - 125	X124249 - X1F0221-01	22-Jun-21	

SVL holds the following certifications:

AZ:0538, ID:ID00019 & ID00965 (Microbiology), NV:ID000192007A, SC:58004001, UT(TNI):ID000192015-1, WA:C573



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

Work Order: **X1F0221**
Reported: 28-Jun-21 16:30

Quality Control - MATRIX SPIKE Data (Continued)

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 Recoverable) (Continued)

EPA 6020B	Arsenic	mg/L	0.0857	0.0636	0.0250	88.3	75 - 125	X124254 - X1F0221-01	21-Jun-21	
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Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.26	0.404	1.00	85.3	90 - 110	X126182 - X1F0221-01	24-Jun-21	M2
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X126182 - X1F0159-01	24-Jun-21	
SM 5310B	Total Organic Carbon	mg/L	65.0	54.4	10.0	107	80 - 120	X125278 - X1F0221-01	23-Jun-21	D1

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	0.000669	0.000749	0.00100	11.4	20	66.9	X125250 - X1F0221-01	M2
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.72	1.73	1.00	0.6	20	104	X124249 - X1F0221-01	
EPA 6010D	Lead	mg/L	0.955	0.939	1.00	1.7	20	95.5	X124249 - X1F0221-01	
EPA 6010D	Manganese	mg/L	1.58	1.58	1.00	0.4	20	100	X124249 - X1F0221-01	
EPA 6010D	Vanadium	mg/L	1.01	1.01	1.00	0.1	20	101	X124249 - X1F0221-01	
EPA 6010D	Zinc	mg/L	0.948	0.930	1.00	1.9	20	94.8	X124249 - X1F0221-01	
EPA 6020B	Arsenic	mg/L	0.0854	0.0857	0.0250	0.4	20	87.0	X124254 - X1F0221-01	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.27	1.26	1.00	0.9	20	86.4	X126182 - X1F0221-01	M2
SM 5310B	Total Organic Carbon	mg/L	64.9	65.0	10.0	0.2	20	105	X125278 - X1F0221-01	D1



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

Work Order: **X1F0221**
Reported: 28-Jun-21 16:30

Notes and Definitions

D1	Sample required dilution due to matrix.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
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



Anatek Labs, Inc.

Sample Receipt and Preservation Form

MBF0363



Due: 06/23/21

Client Name: Spokane County Utilities Project:

TAT: Normal RUSH: _____ days

Samples Received From: FedEx UPS USPS Client Courier Other: _____

Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/A

Number of Coolers/Boxes: 1 Type of Ice: Ice/Ice Packs Blue Ice Dry Ice None

Packing Material: Bubble Wrap Bags Foam/Peanuts None Other: _____

Cooler Temp As Read (°C): 3.9 Cooler Temp Corrected (°C): — Thermometer Used: IR-S

Comments:

Samples Received Intact?	<u>Yes</u>	No	N/A
Chain of Custody Present?	<u>Yes</u>	No	N/A
Samples Received Within Hold Time?	<u>Yes</u>	No	N/A
Samples Properly Preserved?	<u>Yes</u>	No	N/A
VOC Vials Free of Headspace (<6mm)?	<u>Yes</u>	No	N/A
VOC Trip Blanks Present?	<u>Yes</u>	No	N/A
Labels and Chains Agree?	<u>Yes</u>	No	N/A
Total Number of Sample Bottles Received:	<u>5</u>		

Chain of Custody Fully Completed?	<u>Yes</u>	No	N/A
Correct Containers Received?	<u>Yes</u>	No	N/A
Anatek Bottles Used?	Yes	<u>No</u>	Unknown

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

<u>HCl → 8260 VOC</u>

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

--

Received/Inspected By: [Signature] Date/Time: 6/9/21 9:44



1

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

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 #: 9x39
NUMBER OF COOLERS

DATE: 6/8/21
52430
PAGE 1 OF

52430 PAGE 1 OF 1

		MONITORING				RESIDENTIAL		SAMPLERS:		
PARAMETERS:	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					
BOTTLES:	1-40 ml. VOC	1-500 ml POLY BOTTLE	1-500 ml POLY BOTTLE	1-500 ml. POLY BOTTLE	1-500 ml. POLY BOTTLE					
LAB:	SVL	SVL	SVL	SVL	SVL					
PRESERVATION:	H2SO4 pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph< 2 (NOT FILTERED)	COOLER NUMBER	NUMBER BOTTLES	COMMENTS		
SAMPLE IDENTIFICATION	DATE	TIME								
GW-MW-016-210608	6/8/21	0847	1	1	1	110	3			

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

RELINQUISHED BY

SIGNATURE: *x Gordon Fissette*
PRINT NAME: *Gordon Fissette*

PRINT NAME:

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY

SIGNATURE: *Steph Kader*

PRINT NAME: _____

COMPANY:

DATE: 6/8/21

TIME: 1300

DATE: 06/09/21

TIME: 0910
1.7°C

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: 06/09/21 By: MB

SVL Work No: X1F0221

Item	Description	V	NA	Comments
1	Client or project name	✓		Spokane County
2	Date and time of receipt at lab	✓		06/09/21 0910
3	Received by	✓		MB
4	Temperature blank or cooler temperature	✓		Temp. 1.7°C
5	Were the sample(s) received on ice	✓		
6	Custody tape/bottle seals	✓		
7	Shipper's air bill	✓		UPS K2672252430
8	Condition of samples upon receipt (leaking; bubbles in VOA vials)	✓		
9	Analysis requested for each sample	✓		
10	Sample matrix description		✓	Not listed - Water
11	The correct preservative for the analysis requested	✓		
12	Did an SVL employee preserve sample(s) upon receipt	✓		SVL preserved HNO ₃ bottle 06/09/21 MB
13	Additional Information			

V- Verified NA- Not Applicable

Comments:

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

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

Work Order: MBI0354
Project: X110169
Reported: 9/23/2021 13:40

Analytical Results Report

Sample Location: X110169-01 (GWDW-001-210907)
Lab/Sample Number: MBI0354-01 **Collect Date:** 09/07/21 08:37
Date Received: 09/09/21 10:11 **Collected By:** KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
(ortho-Dichlorobenzene)							
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
(para-Dichlorobenzene)							
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 14:36	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 14:36	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-01 (GWDW-001-210907)
Lab/Sample Number: MBI0354-01 Collect Date: 09/07/21 08:37
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Dibromomethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 14:36	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 14:36	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 14:36	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 14:36	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	110%		70-130	9/16/21 14:36	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	92.6%		70-130	9/16/21 14:36	TEC	EPA 8260D	
Surrogate: Toluene-d8	99.0%		70-130	9/16/21 14:36	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-02 (GWDW-002-210907)
Lab/Sample Number: MBI0354-02 Collect Date: 09/07/21 11:27
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 15:06	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 15:06	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-02 (GWDW-002-210907)
Lab/Sample Number: MBI0354-02 Collect Date: 09/07/21 11:27
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 15:06	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 15:06	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 15:06	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 15:06	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	110%		70-130	9/16/21 15:06	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	93.4%		70-130	9/16/21 15:06	TEC	EPA 8260D	
Surrogate: Toluene-d8	98.8%		70-130	9/16/21 15:06	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-03 (GWDW-003-210907)
Lab/Sample Number: MBI0354-03 Collect Date: 09/07/21 10:07
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 15:35	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 15:35	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-03 (GWDW-003-210907)
Lab/Sample Number: MBI0354-03 Collect Date: 09/07/21 10:07
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 15:35	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 15:35	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 15:35	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 15:35	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	109%		70-130	9/16/21 15:35	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	93.7%		70-130	9/16/21 15:35	TEC	EPA 8260D	
Surrogate: Toluene-d8	99.0%		70-130	9/16/21 15:35	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-04 (GWMS-004-210907)
Lab/Sample Number: MBI0354-04 Collect Date: 09/07/21 13:53
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.556	9/21/21 11:30	MAH	EPA 8270D	
Surrogate: 2,4,6-Tribromophenol	80.8%		48-120	9/21/21 11:30	MAH	EPA 8270D	
Surrogate: 2-Fluorobiphenyl	90.9%		57-113	9/21/21 11:30	MAH	EPA 8270D	
Surrogate: 2-Fluorophenol	84.5%		37-110	9/21/21 11:30	MAH	EPA 8270D	
Surrogate: Nitrobenzene-d5	89.4%		65-110	9/21/21 11:30	MAH	EPA 8270D	
Surrogate: Phenol-2,3,4,5,6-d5	84.7%		51-112	9/21/21 11:30	MAH	EPA 8270D	
Surrogate: Terphenyl-d14	83.6%		57-133	9/21/21 11:30	MAH	EPA 8270D	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,1-Dichloroethane	1.15	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 16:05	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 16:05	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-04 (GWMS-004-210907)
Lab/Sample Number: MBI0354-04 Collect Date: 09/07/21 13:53
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Dichlorodifluoromethane	1.30	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 16:05	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 16:05	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 16:05	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 16:05	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	109%		70-130	9/16/21 16:05	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	93.9%		70-130	9/16/21 16:05	TEC	EPA 8260D	
Surrogate: Toluene-d8	98.4%		70-130	9/16/21 16:05	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-05 (GWMW-009-210907)
Lab/Sample Number: MBI0354-05 Collect Date: 09/07/21 10:23
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 16:35	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 16:35	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-05 (GWMW-009-210907)
Lab/Sample Number: MBI0354-05 Collect Date: 09/07/21 10:23
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 16:35	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 16:35	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 16:35	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 16:35	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	108%		70-130	9/16/21 16:35	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	92.6%		70-130	9/16/21 16:35	TEC	EPA 8260D	
Surrogate: Toluene-d8	98.3%		70-130	9/16/21 16:35	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-06 (GWMW-010-210907)
Lab/Sample Number: MBI0354-06 Collect Date: 09/07/21 11:43
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 17:04	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 17:04	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-06 (GWMW-010-210907)
Lab/Sample Number: MBI0354-06 Collect Date: 09/07/21 11:43
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 17:04	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 17:04	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 17:04	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 17:04	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	110%		70-130	9/16/21 17:04	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	91.9%		70-130	9/16/21 17:04	TEC	EPA 8260D	
Surrogate: Toluene-d8	98.8%		70-130	9/16/21 17:04	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-07 (GWMW-013-210907)
Lab/Sample Number: MBI0354-07 Collect Date: 09/07/21 11:30
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,1-Dichloroethane	0.850	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 17:34	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 17:34	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Dichlorodifluoromethane	1.22	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-07 (GWMW-013-210907)
Lab/Sample Number: MBI0354-07 Collect Date: 09/07/21 11:30
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 17:34	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 17:34	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 17:34	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 17:34	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	111%		70-130	9/16/21 17:34	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	92.5%		70-130	9/16/21 17:34	TEC	EPA 8260D	
Surrogate: Toluene-d8	99.9%		70-130	9/16/21 17:34	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-08 (GWMW-014-210907)
Lab/Sample Number: MBI0354-08 Collect Date: 09/07/21 10:00
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 14:07	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 14:07	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-08 (GWMW-014-210907)
Lab/Sample Number: MBI0354-08 Collect Date: 09/07/21 10:00
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 14:07	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 14:07	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 14:07	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 14:07	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	110%		70-130	9/16/21 14:07	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	93.2%		70-130	9/16/21 14:07	TEC	EPA 8260D	
Surrogate: Toluene-d8	98.8%		70-130	9/16/21 14:07	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-09 (GWMW-019R-210907)
Lab/Sample Number: MBI0354-09 Collect Date: 09/07/21 13:47
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 18:04	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 18:04	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-09 (GWMW-019R-210907)
Lab/Sample Number: MBI0354-09 Collect Date: 09/07/21 13:47
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 18:04	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 18:04	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 18:04	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 18:04	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	110%		70-130	9/16/21 18:04	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	92.5%		70-130	9/16/21 18:04	TEC	EPA 8260D	
Surrogate: Toluene-d8	99.3%		70-130	9/16/21 18:04	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-10 (GWMW-020-210907)
Lab/Sample Number: MBI0354-10 Collect Date: 09/07/21 13:15
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,1-Dichloroethane	0.600	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 18:34	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 18:34	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Dichlorodifluoromethane	1.15	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-10 (GWMW-020-210907)
Lab/Sample Number: MBI0354-10 Collect Date: 09/07/21 13:15
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 18:34	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 18:34	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 18:34	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 18:34	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	110%		70-130	9/16/21 18:34	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	91.0%		70-130	9/16/21 18:34	TEC	EPA 8260D	
Surrogate: Toluene-d8	99.1%		70-130	9/16/21 18:34	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X1I0169-11 (GWMW-029-210907)
Lab/Sample Number: MBI0354-11 Collect Date: 09/07/21 12:46
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 19:03	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 19:03	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Dichlorodifluoromethane	1.02	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-11 (GWMW-029-210907)
Lab/Sample Number: MBI0354-11 Collect Date: 09/07/21 12:46
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 19:03	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 19:03	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 19:03	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 19:03	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	110%		70-130	9/16/21 19:03	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	91.8%		70-130	9/16/21 19:03	TEC	EPA 8260D	
Surrogate: Toluene-d8	99.1%		70-130	9/16/21 19:03	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X1I0169-12 (MWS-1-2-210907)
Lab/Sample Number: MBI0354-12 Collect Date: 09/07/21 10:07
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 19:33	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 19:33	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-12 (MWS-1-2-210907)
Lab/Sample Number: MBI0354-12 Collect Date: 09/07/21 10:07
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 19:33	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 19:33	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 19:33	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 19:33	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	111%		70-130	9/16/21 19:33	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	92.4%		70-130	9/16/21 19:33	TEC	EPA 8260D	
Surrogate: Toluene-d8	99.1%		70-130	9/16/21 19:33	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-13 (GWMS-005-210908)
Lab/Sample Number: MBI0354-13 Collect Date: 09/08/21 08:55
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 20:02	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 20:02	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	

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Analytical Results Report (Continued)

Sample Location: X110169-13 (GWMS-005-210908)
Lab/Sample Number: MBI0354-13 Collect Date: 09/08/21 08:55
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 20:02	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 20:02	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 20:02	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 20:02	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	112%		70-130	9/16/21 20:02	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	92.2%		70-130	9/16/21 20:02	TEC	EPA 8260D	
Surrogate: Toluene-d8	99.0%		70-130	9/16/21 20:02	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-14 (GWMW-016-210908)
Lab/Sample Number: MBI0354-14 Collect Date: 09/08/21 09:19
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,1-Dichloroethane	5.94	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	8.93	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,2-Dichloroethane	2.53	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,2-Dichloropropane	13.2	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	2.89	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	1.54	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
2-hexanone	3.28	ug/L	2.50	9/16/21 21:59	TEC	EPA 8260D	
Acetone	460	ug/L	50.0	9/16/21 21:30	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Benzene	11.2	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	1.16	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Chloroethane	9.57	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	3.92	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Dichlorodifluoromethane	3.00	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Ethylbenzene	49.0	ug/L	10.0	9/16/21 21:30	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Isopropylbenzene	4.49	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	31.8	ug/L	10.0	9/16/21 21:30	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-14 (GWMW-016-210908)
Lab/Sample Number: MBI0354-14 Collect Date: 09/08/21 09:19
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	179	ug/L	50.0	9/16/21 21:30	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	20.8	ug/L	2.50	9/16/21 21:59	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 21:59	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Naphthalene	18.0	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
n-Propylbenzene	0.950	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
o-Xylene (MCL for total)	16.9	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
p-isopropyltoluene	3.70	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Toluene	9.26	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	1.46	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Trichloroethene	0.610	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Vinyl Chloride	1.22	ug/L	0.500	9/16/21 21:59	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	101%		70-130	9/16/21 21:59	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	100%		70-130	9/16/21 21:59	TEC	EPA 8260D	
Surrogate: Toluene-d8	101%		70-130	9/16/21 21:59	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-15 (GWMW-023-210908)
Lab/Sample Number: MBI0354-15 Collect Date: 09/08/21 10:01
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,1-Dichloroethane	1.94	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 20:31	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 20:31	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Dichlorodifluoromethane	1.11	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-15 (GWMW-023-210908)
Lab/Sample Number: MBI0354-15 Collect Date: 09/08/21 10:01
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 20:31	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 20:31	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 20:31	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 20:31	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	112%		70-130	9/16/21 20:31	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	92.4%		70-130	9/16/21 20:31	TEC	EPA 8260D	
Surrogate: Toluene-d8	98.4%		70-130	9/16/21 20:31	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X1I0169-16 (MWS-1-1-210908)
Lab/Sample Number: MBI0354-16 Collect Date: 09/08/21 09:47
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,1-Dichloroethane	1.92	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 21:00	TEC	EPA 8260D	
Acetone	ND	ug/L	2.50	9/16/21 21:00	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Dichlorodifluoromethane	1.06	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-16 (MWS-1-1-210908)
Lab/Sample Number: MBI0354-16 Collect Date: 09/08/21 09:47
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 21:00	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 21:00	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 21:00	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 21:00	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	112%		70-130	9/16/21 21:00	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	92.7%		70-130	9/16/21 21:00	TEC	EPA 8260D	
Surrogate: Toluene-d8	97.9%		70-130	9/16/21 21:00	TEC	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X110169-17 (MWS-2-1-210908)
Lab/Sample Number: MBI0354-17 Collect Date: 09/08/21 00:00
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,1-Dichloroethylene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,1-Dichloropropene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
2-hexanone	ND	ug/L	2.50	9/16/21 12:09	TEC	EPA 8260D	
Acetone	2.97	ug/L	2.50	9/16/21 12:09	TEC	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Benzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Bromoform	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Bromomethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Chloroethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Chloroform	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Chloromethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
DBCP (screening)	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
EDB (screening)	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
m/p Xylenes (MCL for total)	1.99	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
m-Dichlorobenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	

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Analytical Results Report (Continued)

Sample Location: X1I0169-17 (MWS-2-1-210908)
Lab/Sample Number: MBI0354-17 Collect Date: 09/08/21 00:00
Date Received: 09/09/21 10:11 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	9/16/21 12:09	TEC	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	9/16/21 12:09	TEC	EPA 8260D	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	9/16/21 12:09	TEC	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Naphthalene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
o-Chlorotoluene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
o-Xylene (MCL for total)	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
p-Chlorotoluene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Styrene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Tetrachloroethylene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Toluene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	9/16/21 12:09	TEC	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	109%		70-130	9/16/21 12:09	TEC	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	95.9%		70-130	9/16/21 12:09	TEC	EPA 8260D	
Surrogate: Toluene-d8	98.2%		70-130	9/16/21 12:09	TEC	EPA 8260D	

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

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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
Batch: BBI0423 - SVOC Water										
Blank (BBI0423-BLK1)										
					Prepared: 9/14/2021 Analyzed: 9/21/2021					
Di (2-ethylhexyl) phthalate	ND		0.500	ug/L						
Surrogate: Phenol-2,3,4,5,6-d5			37.4	ug/L	50.5		74.1	51-112		
Surrogate: Nitrobenzene-d5			19.6	ug/L	25.0		78.3	65-110		
Surrogate: Terphenyl-d14			17.6	ug/L	25.8		68.5	57-133		
Surrogate: 2-Fluorophenol			36.6	ug/L	50.0		73.1	37-110		
Surrogate: 2-Fluorobiphenyl			19.4	ug/L	25.5		76.2	57-113		
Surrogate: 2,4,6-Tribromophenol			33.0	ug/L	51.8		63.7	48-120		
LCS (BBI0423-BS1)										
					Prepared: 9/14/2021 Analyzed: 9/21/2021					
Di (2-ethylhexyl) phthalate	4.79		0.500	ug/L	5.00		95.8	60-144		
LCS Dup (BBI0423-BSD1)										
					Prepared: 9/14/2021 Analyzed: 9/21/2021					
Di (2-ethylhexyl) phthalate	4.65		0.500	ug/L	5.00		93.0	60-144	2.97	32

Quality Control Data

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBI0520 - VOC										
Blank (BBI0520-BLK1)										
					Prepared & Analyzed: 9/16/2021					
Chlorobenzene (Monochlorobenzene)	ND		0.500	ug/L						
Dibromochloromethane	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						
Dibromomethane	ND		0.500	ug/L						
cis-1,3-Dichloropropene	ND		0.500	ug/L						
cis-1,2-Dichloroethylene	ND		0.500	ug/L						
Chloromethane	ND		0.500	ug/L						
Methyl ethyl ketone (MEK)	ND		2.50	ug/L						
Chloroethane	ND		0.500	ug/L						
n-Propylbenzene	ND		0.500	ug/L						
Carbon Tetrachloride	ND		0.500	ug/L						
Carbon disulfide	ND		0.500	ug/L						
Chloroform	ND		0.500	ug/L						
p-isopropyltoluene	ND		0.500	ug/L						
Trichlorofluoromethane	ND		0.500	ug/L						
Trichloroethene	ND		0.500	ug/L						
trans-1,3-Dichloropropene	ND		0.500	ug/L						
trans-1,2 Dichloroethylene	ND		0.500	ug/L						
Toluene	ND		0.500	ug/L						
tert-Butylbenzene	ND		0.500	ug/L						
Naphthalene	ND		0.500	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						

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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: BBI0520 - VOC (Continued)										
Blank (BBI0520-BLK1)					Prepared & Analyzed: 9/16/2021					
Acrylonitrile	ND		0.500	ug/L						
n-Butylbenzene	ND		0.500	ug/L						
Bromomethane	ND		0.500	ug/L						
methyl-t-butyl ether (MTBE)	ND		0.500	ug/L						
Methylene Chloride (Dichloromethane)	ND		2.50	ug/L						
Styrene	ND		0.500	ug/L						
1,1-Dichloropropene	ND		0.500	ug/L						
Bromobenzene	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-Dichloroethane	ND		0.500	ug/L						
1,2,3-Trichlorobenzene	ND		0.500	ug/L						
1,2-Dichloropropane	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						
1,1,1-Trichloroethane	ND		0.500	ug/L						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L						
1,2,3-Trichloropropane	ND		0.500	ug/L						
2-hexanone	ND		2.50	ug/L						
Bromodichloromethane	ND		0.500	ug/L						
Bromochloromethane	ND		0.500	ug/L						
Vinyl Chloride	ND		0.500	ug/L						
Benzene	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
Bromoform	ND		0.500	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						
1,3,5-Trimethylbenzene	ND		0.500	ug/L						
p-Chlorotoluene	ND		0.500	ug/L						
Tetrachloroethylene	ND		0.500	ug/L						
Surrogate: Toluene-d8			24.8	ug/L	25.0		99.4	70-130		
Surrogate: 4-Bromofluorobenzene			23.3	ug/L	25.0		93.2	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			21.0	ug/L	19.0		111	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
Batch: BBI0520 - VOC (Continued)										
LCS (BBI0520-BS1)					Prepared & Analyzed: 9/16/2021					
EDB (screening)	10.1		0.500	ug/L	10.0		101	70-130		
1,1-Dichloroethane	10.0		0.500	ug/L	10.0		100	80-120		
1,1-Dichloroethylene	9.78		0.500	ug/L	10.0		97.8	70-129		
1,1-Dichloropropene	9.72		0.500	ug/L	10.0		97.2	80-120		
1,2,3-Trichlorobenzene	9.67		0.500	ug/L	10.0		96.7	78-120		
1,2,3-Trichloropropane	9.55		0.500	ug/L	10.0		95.5	80-120		
1,2,4-Trichlorobenzene	9.93		0.500	ug/L	10.0		99.3	80-120		
m-Dichlorobenzene	10.2		0.500	ug/L	10.0		102	80-120		
DBCP (screening)	9.64		0.500	ug/L	10.0		96.4	71-128		
1,1,1-Trichloroethane	9.85		0.500	ug/L	10.0		98.5	80-120		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	10.0		0.500	ug/L	10.0		100	80-120		
1,2-Dichloroethane	10.3		0.500	ug/L	10.0		103	80-120		
1,2-Dichloropropane	10.2		0.500	ug/L	10.0		102	80-120		
1,3,5-Trimethylbenzene	10.2		0.500	ug/L	10.0		102	80-121		
1,2,4-Trimethylbenzene	10.3		0.500	ug/L	10.0		103	80-120		
Tetrachloroethylene	9.58		0.500	ug/L	10.0		95.8	80-120		
o-Xylene (MCL for total)	10.2		0.500	ug/L	10.0		102	80-120		
Vinyl Chloride	9.58		0.500	ug/L	10.0		95.8	75-120		
Trichloroethene	9.81		0.500	ug/L	10.0		98.1	80-120		
trans-1,3-Dichloropropene	10.6		0.500	ug/L	10.0		106	69-130		
trans-1,2 Dichloroethylene	10.2		0.500	ug/L	10.0		102	80-120		
1,1,2-Trichloroethane	9.90		0.500	ug/L	10.0		99.0	80-120		
Toluene	10.0		0.500	ug/L	10.0		100	80-120		
1,1,2,2-Tetrachloroethane	9.69		0.500	ug/L	10.0		96.9	77-123		
tert-Butylbenzene	10.2		0.500	ug/L	10.0		102	80-120		
Styrene	10.4		0.500	ug/L	10.0		104	80-120		
sec-Butylbenzene	10.1		0.500	ug/L	10.0		101	80-120		
p-isopropyltoluene	10.2		0.500	ug/L	10.0		102	80-120		
1,1,1,2-Tetrachloroethane	10.1		0.500	ug/L	10.0		101	80-120		
Trichlorofluoromethane	9.64		0.500	ug/L	10.0		96.4	61-140		
m/p Xylenes (MCL for total)	20.2		0.500	ug/L	20.0		101	80-120		
cis-1,2-Dichloroethylene	9.99		0.500	ug/L	10.0		99.9	80-120		
cis-1,3-Dichloropropene	10.4		0.500	ug/L	10.0		104	79-123		
Dibromochloromethane	10.0		0.500	ug/L	10.0		100	80-121		
Dibromomethane	9.77		0.500	ug/L	10.0		97.7	80-120		
Dichlorodifluoromethane	9.66		0.500	ug/L	10.0		96.6	57-130		
Ethylbenzene	10.1		0.500	ug/L	10.0		101	80-120		
Chloroform	10.0		0.500	ug/L	10.0		100	80-120		
Isopropylbenzene	10.2		0.500	ug/L	10.0		102	80-120		
methyl-t-butyl ether (MTBE)	10.1		0.500	ug/L	10.0		101	71-130		
Methyl ethyl ketone (MEK)	9.88		2.50	ug/L	10.0		98.8	55-154		
Methyl isobutyl ketone (MIBK)	9.97		2.50	ug/L	10.0		99.7	70-136		
Naphthalene	9.84		0.500	ug/L	10.0		98.4	66-133		
n-Butylbenzene	10.1		0.500	ug/L	10.0		101	74-122		
1,3-Dichloropropane	10.3		0.500	ug/L	10.0		103	80-120		
n-Propylbenzene	10.2		0.500	ug/L	10.0		102	80-120		
Hexachlorobutadiene	9.71		0.500	ug/L	10.0		97.1	80-120		
2-hexanone	9.92		2.50	ug/L	10.0		99.2	65-140		
Chloroethane	9.93		0.500	ug/L	10.0		99.3	78-120		
2,2-Dichloropropane	10.0		0.500	ug/L	10.0		100	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: BBI0520 - VOC (Continued)										
LCS (BBI0520-BS1)					Prepared & Analyzed: 9/16/2021					
o-Chlorotoluene	10.2		0.500	ug/L	10.0		102	80-120		
p-Chlorotoluene	10.3		0.500	ug/L	10.0		103	80-124		
Acrylonitrile	10.2		0.500	ug/L	10.0		102	73-131		
Benzene	10.1		0.500	ug/L	10.0		101	80-120		
Bromobenzene	10.2		0.500	ug/L	10.0		102	80-120		
Bromochloromethane	10.2		0.500	ug/L	10.0		102	80-120		
Bromodichloromethane	10.3		0.500	ug/L	10.0		103	80-120		
Bromoform	9.81		0.500	ug/L	10.0		98.1	68-133		
Carbon disulfide	9.65		0.500	ug/L	10.0		96.5	80-120		
Carbon Tetrachloride	9.93		0.500	ug/L	10.0		99.3	80-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	10.0		0.500	ug/L	10.0		100	80-120		
Chlorobenzene (Monochlorobenzene)	10.0		0.500	ug/L	10.0		100	80-120		
Surrogate: Toluene-d8			25.3	ug/L	25.0		101	70-130		
Surrogate: 4-Bromofluorobenzene			25.3	ug/L	25.0		101	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			18.7	ug/L	19.0		98.4	70-130		

Matrix Spike (BBI0520-MS1)

Source: MBI0354-08

Prepared & Analyzed: 9/16/2021

Chloroform	8.95		0.500	ug/L	10.0	ND	89.5	70-130
Methyl ethyl ketone (MEK)	9.20		2.50	ug/L	10.0	ND	92.0	47-165
m/p Xylenes (MCL for total)	18.4		0.500	ug/L	20.0	ND	92.1	57-130
Isopropylbenzene	9.25		0.500	ug/L	10.0	ND	92.5	70-130
Hexachlorobutadiene	9.54		0.500	ug/L	10.0	ND	95.4	70-130
Ethylbenzene	9.12		0.500	ug/L	10.0	ND	91.2	70-130
Dichlorodifluoromethane	9.76		0.500	ug/L	10.0	ND	97.6	57-136
Dibromomethane	8.95		0.500	ug/L	10.0	ND	89.5	70-130
Dibromochloromethane	9.00		0.500	ug/L	10.0	ND	90.0	70-130
Chlorobenzene (Monochlorobenzene)	8.92		0.500	ug/L	10.0	ND	89.2	70-130
cis-1,2-Dichloroethylene	8.87		0.500	ug/L	10.0	ND	88.7	70-130
Chloroethane	9.36		0.500	ug/L	10.0	ND	93.6	68-138
sec-Butylbenzene	9.32		0.500	ug/L	10.0	ND	93.2	70-130
Carbon Tetrachloride	9.41		0.500	ug/L	10.0	ND	94.1	70-130
cis-1,3-Dichloropropene	9.04		0.500	ug/L	10.0	ND	90.4	74-124
Styrene	8.72		0.500	ug/L	10.0	ND	87.2	30-130
Trichlorofluoromethane	9.85		0.500	ug/L	10.0	ND	98.5	50-154
Trichloroethene	8.93		0.500	ug/L	10.0	ND	89.3	70-130
1,2-Dichloropropane	8.97		0.500	ug/L	10.0	ND	89.7	70-130
trans-1,2 Dichloroethylene	9.05		0.500	ug/L	10.0	ND	90.5	70-130
Toluene	9.00		0.500	ug/L	10.0	ND	90.0	70-130
o-Xylene (MCL for total)	9.13		0.500	ug/L	10.0	ND	91.3	62-127
tert-Butylbenzene	9.22		0.500	ug/L	10.0	ND	92.2	70-130
Methyl isobutyl ketone (MIBK)	9.31		2.50	ug/L	10.0	ND	93.1	53-167
p-isopropyltoluene	9.27		0.500	ug/L	10.0	ND	92.7	70-130
trans-1,3-Dichloropropene	9.10		0.500	ug/L	10.0	ND	91.0	61-131
n-Propylbenzene	9.29		0.500	ug/L	10.0	ND	92.9	70-130
n-Butylbenzene	9.25		0.500	ug/L	10.0	ND	92.5	67-130
Naphthalene	9.75		0.500	ug/L	10.0	ND	97.5	56-147
methyl-t-butyl ether (MTBE)	8.96		0.500	ug/L	10.0	ND	89.6	57-138
Tetrachloroethylene	8.76		0.500	ug/L	10.0	ND	87.6	70-130
1,1-Dichloropropene	9.26		0.500	ug/L	10.0	ND	92.6	70-130
m-Dichlorobenzene	9.16		0.500	ug/L	10.0	ND	91.6	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
Batch: BBI0520 - VOC (Continued)										
Matrix Spike (BBI0520-MS1)			Source: MBI0354-08		Prepared & Analyzed: 9/16/2021					
EDB (screening)	9.13		0.500	ug/L	10.0	ND	91.3	70-130		
DBCP (screening)	9.30		0.500	ug/L	10.0	ND	93.0	55-146		
1,2,4-Trimethylbenzene	9.25		0.500	ug/L	10.0	ND	92.5	40-140		
1,2,4-Trichlorobenzene	9.54		0.500	ug/L	10.0	ND	95.4	70-130		
1,2,3-Trichlorobenzene	9.84		0.500	ug/L	10.0	ND	98.4	67-134		
1,2-Dichloroethane	9.10		0.500	ug/L	10.0	ND	91.0	70-130		
1,1-Dichloroethylene	9.29		0.500	ug/L	10.0	ND	92.9	70-130		
1,1-Dichloroethane	8.88		0.500	ug/L	10.0	ND	88.8	70-130		
1,1,2-Trichloroethane	8.98		0.500	ug/L	10.0	ND	89.8	70-130		
Vinyl Chloride	9.06		0.500	ug/L	10.0	ND	90.6	70-130		
1,1,1,2-Tetrachloroethane	8.99		0.500	ug/L	10.0	ND	89.9	70-130		
1,1,1-Trichloroethane	9.06		0.500	ug/L	10.0	ND	90.6	70-130		
1,2,3-Trichloropropane	8.80		0.500	ug/L	10.0	ND	88.0	69-137		
Bromoform	8.90		0.500	ug/L	10.0	ND	89.0	59-140		
Bromodichloromethane	8.99		0.500	ug/L	10.0	ND	89.9	70-130		
Bromochloromethane	9.02		0.500	ug/L	10.0	ND	90.2	70-130		
Bromobenzene	9.08		0.500	ug/L	10.0	ND	90.8	70-130		
Benzene	8.94		0.500	ug/L	10.0	ND	89.4	70-130		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	8.97		0.500	ug/L	10.0	ND	89.7	70-130		
p-Chlorotoluene	9.19		0.500	ug/L	10.0	ND	91.9	70-130		
Carbon disulfide	9.25		0.500	ug/L	10.0	ND	92.5	70-130		
2-hexanone	9.28		2.50	ug/L	10.0	ND	92.8	43-175		
o-Chlorotoluene	9.14		0.500	ug/L	10.0	ND	91.4	70-130		
2,2-Dichloropropane	9.05		0.500	ug/L	10.0	ND	90.5	70-130		
1,4-Dichlorobenzene (para-Dichlorobenzene)	8.95		0.500	ug/L	10.0	ND	89.5	70-130		
1,3-Dichloropropane	9.22		0.500	ug/L	10.0	ND	92.2	70-130		
1,1,2,2-Tetrachloroethane	9.04		0.500	ug/L	10.0	ND	90.4	67-136		
1,3,5-Trimethylbenzene	9.22		0.500	ug/L	10.0	ND	92.2	40-140		
Acrylonitrile	9.25		0.500	ug/L	10.0	ND	92.5	65-137		
Surrogate: Toluene-d8			25.4	ug/L	25.0		102	70-130		
Surrogate: 4-Bromofluorobenzene			25.3	ug/L	25.0		101	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			18.9	ug/L	19.0		99.6	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
Batch: BBI0520 - VOC (Continued)										
Matrix Spike Dup (BBI0520-MSD1)			Source: MBI0354-08		Prepared & Analyzed: 9/16/2021					
Bromodichloromethane	10.1		0.500	ug/L	10.0	ND	101	70-130	11.3	25
o-Chlorotoluene	10.2		0.500	ug/L	10.0	ND	102	70-130	10.9	25
Bromochloromethane	10.0		0.500	ug/L	10.0	ND	100	70-130	10.4	25
1,2-Dichloropropane	10.2		0.500	ug/L	10.0	ND	102	70-130	13.3	25
1,3,5-Trimethylbenzene	10.4		0.500	ug/L	10.0	ND	104	40-140	12.1	25
m-Dichlorobenzene	10.2		0.500	ug/L	10.0	ND	102	70-130	11.1	25
1,3-Dichloropropane	10.1		0.500	ug/L	10.0	ND	101	70-130	8.81	25
2,2-Dichloropropane	10.5		0.500	ug/L	10.0	ND	105	70-130	14.5	25
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	10.0		0.500	ug/L	10.0	ND	100	70-130	11.3	25
2-hexanone	10.0		2.50	ug/L	10.0	ND	100	43-175	7.57	25
p-Chlorotoluene	10.2		0.500	ug/L	10.0	ND	102	70-130	10.1	25
Acrylonitrile	9.95		0.500	ug/L	10.0	ND	99.5	65-137	7.29	25
Benzene	10.2		0.500	ug/L	10.0	ND	102	70-130	13.1	25
Carbon disulfide	10.1		0.500	ug/L	10.0	ND	101	70-130	9.08	25
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.99		0.500	ug/L	10.0	ND	99.9	70-130	11.0	25
1,1-Dichloropropene	10.5		0.500	ug/L	10.0	ND	105	70-130	12.8	25
Vinyl Chloride	10.4		0.500	ug/L	10.0	ND	104	70-130	13.8	25
1,1,1,2-Tetrachloroethane	10.0		0.500	ug/L	10.0	ND	100	70-130	11.0	25
1,1,1-Trichloroethane	10.2		0.500	ug/L	10.0	ND	102	70-130	11.7	25
1,1,2,2-Tetrachloroethane	9.60		0.500	ug/L	10.0	ND	96.0	67-136	6.01	25
1,1,2-Trichloroethane	9.77		0.500	ug/L	10.0	ND	97.7	70-130	8.43	25
1,2-Dichloroethane	10.0		0.500	ug/L	10.0	ND	100	70-130	9.52	25
1,1-Dichloroethylene	10.3		0.500	ug/L	10.0	ND	103	70-130	10.1	25
Bromoform	9.56		0.500	ug/L	10.0	ND	95.6	59-140	7.15	25
1,2,3-Trichlorobenzene	11.2		0.500	ug/L	10.0	ND	112	67-134	12.7	25
1,2,3-Trichloropropane	9.50		0.500	ug/L	10.0	ND	95.0	69-137	7.65	25
1,2,4-Trichlorobenzene	10.9		0.500	ug/L	10.0	ND	109	70-130	13.1	25
1,2,4-Trimethylbenzene	10.3		0.500	ug/L	10.0	ND	103	40-140	11.0	25
DBCP (screening)	9.99		0.500	ug/L	10.0	ND	99.9	55-146	7.15	25
EDB (screening)	9.92		0.500	ug/L	10.0	ND	99.2	70-130	8.29	25
1,1-Dichloroethane	10.1		0.500	ug/L	10.0	ND	101	70-130	13.2	25
tert-Butylbenzene	10.5		0.500	ug/L	10.0	ND	105	70-130	12.9	25
Bromobenzene	10.1		0.500	ug/L	10.0	ND	101	70-130	10.8	25
n-Butylbenzene	10.5		0.500	ug/L	10.0	ND	105	67-130	12.7	25
n-Propylbenzene	10.4		0.500	ug/L	10.0	ND	104	70-130	11.5	25
o-Xylene (MCL for total)	10.5		0.500	ug/L	10.0	ND	105	62-127	13.6	25
p-isopropyltoluene	10.5		0.500	ug/L	10.0	ND	105	70-130	12.3	25
methyl-t-butyl ether (MTBE)	10.3		0.500	ug/L	10.0	ND	103	57-138	13.6	25
Styrene	9.56		0.500	ug/L	10.0	ND	95.6	30-130	9.19	25
Methyl isobutyl ketone (MIBK)	10.3		2.50	ug/L	10.0	ND	103	53-167	9.81	25
Tetrachloroethylene	9.66		0.500	ug/L	10.0	ND	96.6	70-130	9.77	25
Toluene	10.2		0.500	ug/L	10.0	ND	102	70-130	12.3	25
trans-1,2 Dichloroethylene	10.4		0.500	ug/L	10.0	ND	104	70-130	14.2	25
trans-1,3-Dichloropropene	10.4		0.500	ug/L	10.0	ND	104	61-131	13.0	25
Trichloroethene	10.0		0.500	ug/L	10.0	ND	100	70-130	11.7	25
sec-Butylbenzene	10.6		0.500	ug/L	10.0	ND	106	70-130	12.5	25
Dibromomethane	9.74		0.500	ug/L	10.0	ND	97.4	70-130	8.45	25
Carbon Tetrachloride	10.3		0.500	ug/L	10.0	ND	103	70-130	9.13	25
Chlorobenzene (Monochlorobenzene)	9.96		0.500	ug/L	10.0	ND	99.6	70-130	11.0	25
Chloroethane	10.5		0.500	ug/L	10.0	ND	105	68-138	11.1	25

Anatek Labs, Inc.

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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: BBI0520 - VOC (Continued)										
Matrix Spike Dup (BBI0520-MSD1)			Source: MBI0354-08		Prepared & Analyzed: 9/16/2021					
Chloroform	10.1		0.500	ug/L	10.0	ND	101	70-130	12.0	25
cis-1,2-Dichloroethylene	10.3		0.500	ug/L	10.0	ND	103	70-130	15.1	25
Naphthalene	10.9		0.500	ug/L	10.0	ND	109	56-147	11.5	25
Dibromochloromethane	9.96		0.500	ug/L	10.0	ND	99.6	70-130	10.1	25
Trichlorofluoromethane	10.1		0.500	ug/L	10.0	ND	101	50-154	2.90	25
Dichlorodifluoromethane	10.3		0.500	ug/L	10.0	ND	103	57-136	5.19	25
Ethylbenzene	10.3		0.500	ug/L	10.0	ND	103	70-130	12.4	25
Hexachlorobutadiene	10.8		0.500	ug/L	10.0	ND	108	70-130	12.1	25
Isopropylbenzene	10.5		0.500	ug/L	10.0	ND	105	70-130	12.8	25
m/p Xylenes (MCL for total)	20.6		0.500	ug/L	20.0	ND	103	57-130	11.0	25
Methyl ethyl ketone (MEK)	9.86		2.50	ug/L	10.0	ND	98.6	47-165	6.93	25
cis-1,3-Dichloropropene	10.5		0.500	ug/L	10.0	ND	105	74-124	15.2	25
Surrogate: 4-Bromofluorobenzene			25.0	ug/L	25.0		99.9	70-130		
Surrogate: Toluene-d8			25.1	ug/L	25.0		100	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			18.9	ug/L	19.0		99.4	70-130		

SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
 2021

MB10354



Due: 09/22/21

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 # *K267224-1...*
 # OF COOLERS: *1*

PAGE *1* OF *2*

Page 42 of 44

PARAMETERS:			VOLATILES	SEMI VOLATILES	SAMPLERS: <i>K. McCLARTY</i> <i>G. FISETTE</i> <i>M. TERRIS</i>		
			8260C	BEHP 8270D			
			3-40 ml. VOA'S	1 LITER AMBER GLASS			
			ANATEK LAB	ANATEK LAB			
PRESERVATION:	<i>2021</i>		HCl pH<2	UNPRESERVED	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME					
GWDW-001-210907	9/7	0837	XX 3		3	19	
GWDW-002-210907	9/7	1127	XX 3		3	19	
GWDW-003-210907	9/7	1007	XX 3		3	19	
GWMS-004-210907	9/7	1353	XX 3	X 1	4	19	
GW MW-009-210907	9/7	1023	XX 3		3	19	
GW MW-010-210907	9/7	1143	XX 3		3	19	
GW MW-013-210907	9/7	1130	XX 3		3	19	
GW MW-014-210907	9/7	1000	XX 9		9	19	<i>MS/MSD</i>
GW MW-019R-210907	9/7	1347	XX 3		3	19	
GW MW-020-210907	9/7	1315	XX 3		3	19	
GW MW-029-210907	9/7	1246	XX 3		3	19	

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

RELINQUISHED BY:

SIGNATURE: *Mike S. Terris*

DATE: *9/8/21*

PRINT NAME: *MIKE S. TERRIS*

TIME: *1400*

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY:

SIGNATURE: *Chris Sanderson*

DATE: *09/09/2021*

PRINT NAME: *Chris Sanderson*

TIME: *1011*

COMPANY: *Anatek*

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2021**

MBI0354



Due: 09/22/21

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 # K2672247
OF COOLERS: 1

PAGE 2 OF 2

Page 43 of 44

PARAMETERS: METHOD: BOTTLES: LAB:			VOLATILES	SEMI VOLATILES	SAMPLERS: K. McCLARTY G. FISETTE M. TERRIS		
			8260C	BEHP 8270D			
			3-40 ml. VOA'S	1 LITER AMBER GLASS			
			ANATEK LAB	ANATEK LAB			
			HCl pH<2	UNPRESERVED			
PRESERVATION:	2021				NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME					
MWS-1-2-210907	9/7	1007	XX	3	3	19	
GWMS-005-210908	9/8	0855	XX	3	3	19	
GW MW-016-210908	9/8	0919	XX	3	3	19	
GW MW-023-210908	9/8	1001	XX	3	3	19	
MWS-1-1-210908	9/8	0947	XX	3	3	19	
MWS-2-1-210908	9/8	TB	XX	2	2	19	TRIPS-BLANK

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

RELINQUISHED BY:

SIGNATURE: *Mike Terris*

PRINT NAME: MIKE S. TERRIS

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: 9/8/2021

TIME: 1400

RECEIVED BY:

SIGNATURE: *Chris Sardon*

PRINT NAME: *Chris Sardon*

COMPANY: *Spokane County*

DATE: 09/09/2021

TIME: 1011



Sample Receipt and Preservation Form

MBI0354



Due: 09/22/21

Client Name: Spoken County Project: X120109TAT: 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: Ice/Ice Packs Blue Ice Dry Ice NonePacking Material: Bubble Wrap Bags Foam/Peanuts None Other: _____Cooler Temp As Read (°C): 5.9 Cooler Temp Corrected (°C): _____ Thermometer Used: JK5

Comments:

Samples Received Intact?	<u>Yes</u>	No	N/A
Chain of Custody Present?	<u>Yes</u>	No	N/A
Samples Received Within Hold Time?	<u>Yes</u>	No	N/A
Samples Properly Preserved?	<u>Yes</u>	No	N/A
VOC Vials Free of Headspace (<6mm)?	<u>Yes</u>	No	N/A
VOC Trip Blanks Present?	<u>Yes</u>	No	N/A
Labels and Chains Agree?	<u>Yes</u>	No	N/A
Total Number of Sample Bottles Received:	<u>57</u>		

Chain of Custody Fully Completed?	<u>Yes</u>	No	N/A
Correct Containers Received?	<u>Yes</u>	No	N/A
Anatek Bottles Used?	<u>Yes</u>	No	Unknown

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

HC1-VOC-94421 x 54 + 2TB
8260

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

SNL 8270 - 914Received/Inspected By: CS Date/Time: 09/16/2021 1011

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

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

Work Order: MAK0211
Project: X0K0144
Reported: 11/17/2020 09:48

Analytical Results Report

Sample Location: X0K0144-01 (LS-GL-201104-A)
Lab/Sample Number: MAK0211-01 **Collect Date:** 11/04/20 07:50
Date Received: 11/05/20 09:12 **Collected By:** GF
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Benzene	ND	ug/L	0.500	11/10/20 11:50	TEC	EPA 624.1	

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: X0K0144-02 (LS-GL-201104-B)
Lab/Sample Number: MAK0211-02 Collect Date: 11/04/20 08:50
Date Received: 11/05/20 09:12 Collected By: GF
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Benzene	ND	ug/L	0.500	11/10/20 11:20	TEC	EPA 624.1	

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: X0K0144-03 (LS-GL-201104-C)
Lab/Sample Number: MAK0211-03 Collect Date: 11/04/20 09:50
Date Received: 11/05/20 09:12 Collected By: GF
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Benzene	ND	ug/L	0.500	11/10/20 12:19	TEC	EPA 624.1	

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: X0K0144-04 (LS-GL-201104-D)
Lab/Sample Number: MAK0211-04 Collect Date: 11/04/20 10:50
Date Received: 11/05/20 09:12 Collected By: GF
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Benzene	ND	ug/L	0.500	11/10/20 12:48	TEC	EPA 624.1	

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Analytical Results Report

(Continued)

Sample Location: X0K0144-05 (MWS-2-1-201104)
Lab/Sample Number: MAK0211-05 Collect Date: 11/04/20 00:00
Date Received: 11/05/20 09:12 Collected By: GF
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
Benzene	ND	ug/L	0.500	11/10/20 10:51	TEC	EPA 624.1	

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

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The results reported related only to the samples indicated.

Anatek Labs, Inc.

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Certifications

Code	Description	Facility	Number
DOE WA	Washington Department of Ecology	Anatek-Moscow, ID	C595

Anatek Labs, Inc.

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504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Quality Control Data

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BAK0250 - VOC										
Blank (BAK0250-BLK1)					Prepared & Analyzed: 11/10/2020					
Benzene	ND		0.500	ug/L						
LCS (BAK0250-BS1)					Prepared & Analyzed: 11/10/2020					
Benzene	10.2		0.500	ug/L	10.0		102	80-120		
Matrix Spike (BAK0250-MS1)					Prepared & Analyzed: 11/10/2020					
Benzene	10.6		0.500	ug/L	10.0	ND	106	70-130		
Matrix Spike Dup (BAK0250-MSD1)					Prepared & Analyzed: 11/10/2020					
Benzene	10.4		0.500	ug/L	10.0	ND	104	70-130	1.80	25

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

MAK0211



Due: 11/18/20

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

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

SHIPPING CO: UPS
SHIPPING # K2735219311
OF COOLERS: 1

D

PAGE 1 OF 1

PARAMETERS:			VOLATILES	SAMPLERS: <u>Gordon Fisette (GF)</u>		
METHOD:			EPA 624.1 BENZENE ONLY			
BOTTLES:			3-40 ml. VOA'S			
LAB:			ANATEK LAB			
PRESERVATION:			HCl pH<2	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME				
<u>LS-GL-201104-A</u>	<u>11-4-20</u>	<u>0750</u>	<u>3</u>	<u>3</u>	<u>L2</u>	
<u>LS-GL-201104-B</u>	<u>11-4-20</u>	<u>0850</u>	<u>3</u>	<u>3</u>	<u>L2</u>	
<u>LS-GL-201104-C</u>	<u>11-4-20</u>	<u>0950</u>	<u>3</u>	<u>3</u>	<u>L2</u>	
<u>LS-GL-201104-D</u>	<u>11-4-20</u>	<u>1050</u>	<u>3</u>	<u>3</u>	<u>L2</u>	
<u>MWS-2-1-201104</u>		<u>Trip Blanks</u>	<u>2</u>	<u>2</u>	<u>L2</u>	<u>Trip Blanks</u>

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

RELINQUISHED BY:

SIGNATURE: Gordon Fisette
PRINT NAME: Gordon Fisette

DATE: 11/4/2020
TIME: 1330

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY:

SIGNATURE: Hannah Sullivan
PRINT NAME: Hannah Sullivan
COMPANY: Anatek Labs

DATE: 11/5/20
TIME: 9:12

COMMENTS: BENZENE ONLY BY ANALYTICAL METHOD EPA 624.1



Sample Receipt and Preservation Form

MAK0211



Due: 11/18/20

Client Name: Spo. Co. Utilities Project: (apply Anatek sample label here)TAT: 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: Ice Ice Packs Blue Ice Dry Ice NonePacking Material: Bubble Wrap Bags Foam/Peanuts None Other: Cooler Temp As Read (°C): 3.7 Cooler Temp Corrected (°C): — Thermometer Used: IR-5

Comments:

Samples Received Intact? Yes No N/AChain of Custody Present? Yes No N/ASamples Received Within Hold Time? Yes No N/ASamples Properly Preserved? Yes No N/AVOC Vials Free of Headspace (<6mm)? Yes No N/AVOC Trip Blanks Present? Yes No N/ALabels and Chains Agree? Yes No N/ATotal Number of Sample Bottles Received: 14Chain of Custody Fully Completed? Yes No N/ACorrect Containers Received? Yes No N/AAnatek Bottles Used? Yes No Unknown

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

HCl → VOC (Benzene only)

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

Received/Inspected By: [Signature] Date/Time: 11/5/20 9:12



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWDW-001-210907	X110110-01	Ground Water	07-Sep-21 08:37	KM/GF/ MT	08-Sep-2021	
GWDW-002-210907	X110110-02	Ground Water	07-Sep-21 11:27	KM/GF/ MT	08-Sep-2021	
GWDW-003-210907	X110110-03	Ground Water	07-Sep-21 10:07	KM/GF/ MT	08-Sep-2021	
GWMS-004-210907	X110110-04	Ground Water	07-Sep-21 13:53	KM/GF/ MT	08-Sep-2021	
GWMW-009-210907	X110110-05	Ground Water	07-Sep-21 10:23	KM/GF/ MT	08-Sep-2021	
GWMW-010-210907	X110110-06	Ground Water	07-Sep-21 11:43	KM/GF/ MT	08-Sep-2021	
GWMW-013-210907	X110110-07	Ground Water	07-Sep-21 11:30	KM/GF/ MT	08-Sep-2021	
GWMW-014-210907	X110110-08	Ground Water	07-Sep-21 10:00	KM/GF/ MT	08-Sep-2021	
GWMW-019R-210907	X110110-09	Ground Water	07-Sep-21 13:47	KM/GF/ MT	08-Sep-2021	
GWMW-20-210907	X110110-10	Ground Water	07-Sep-21 13:15	KM/GF/ MT	08-Sep-2021	
GWMW-29-210907	X110110-11	Ground Water	07-Sep-21 12:46	KM/GF/ MT	08-Sep-2021	
MWS-1-2-210907	X110110-12	Ground Water	07-Sep-21 10:07	KM/GF/ MT	08-Sep-2021	

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.

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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWDW-001-210907**

Sampled: 07-Sep-21 08:37

Received: 08-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110110-01 (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		X138152	AM	09/22/21 09:27	
-----------	---------	------------	------	----------	----------	--	---------	----	----------------	--

Metals (Total Recoverable)

EPA 6010D	Barium	< 0.0040	mg/L	0.0040	0.0019		X138002	AS	09/21/21 09:59	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 09:59	
EPA 6010D	Manganese	0.0098	mg/L	0.0080	0.0034		X138002	AS	09/21/21 09:59	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 09:59	
EPA 6010D	Zinc	0.0465	mg/L	0.0100	0.0054		X138002	AS	09/21/21 09:59	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 09:55	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 12:59	
SM 2320 B	Total Alkalinity	109	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 15:52	
SM 2320 B	Bicarbonate	109	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 15:52	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 15:52	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X137177	SM	09/18/21 15:23	

Anions by Ion Chromatography

EPA 300.0	Chloride	1.71	mg/L	0.20	0.14		X137100	RS	09/08/21 13:59	
EPA 300.0	Nitrate as N	0.050	mg/L	0.050	0.043		X137100	RS	09/08/21 13:59	
EPA 300.0	Sulfate as SO₄	9.66	mg/L	0.30	0.18		X137100	RS	09/08/21 13:59	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWDW-002-210907**

Sampled: 07-Sep-21 11:27

SVL Sample ID: **X110110-02 (Ground Water)**

Received: 08-Sep-21

Sample Report Page 1 of 1

Sampled By: KM/GF/MT

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
--------	---------	--------	-------	----	-----	----------	-------	---------	----------	-------

Metals (Total)

EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X138152	AM	09/22/21 09:29	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0397	mg/L	0.0040	0.0019		X138002	AS	09/21/21 10:03	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 10:03	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X138002	AS	09/21/21 10:03	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 10:03	
EPA 6010D	Zinc	0.353	mg/L	0.0100	0.0054		X138002	AS	09/21/21 10:03	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 09:57	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 13:01	
SM 2320 B	Total Alkalinity	160	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 15:59	
SM 2320 B	Bicarbonate	160	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 15:59	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 15:59	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X137177	SM	09/18/21 15:36	

Anions by Ion Chromatography

EPA 300.0	Chloride	7.96	mg/L	0.20	0.14		X137100	RS	09/08/21 14:16	
EPA 300.0	Nitrate as N	1.02	mg/L	0.050	0.043		X137100	RS	09/08/21 14:16	
EPA 300.0	Sulfate as SO₄	5.63	mg/L	0.30	0.18		X137100	RS	09/08/21 14:16	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

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 99005

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWDW-003-210907**

Sampled: 07-Sep-21 10:07

Received: 08-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110110-03 (Ground Water)**

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X138152	AM	09/22/21 09:31	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0294	mg/L	0.0040	0.0019		X138002	AS	09/21/21 10:06	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 10:06	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X138002	AS	09/21/21 10:06	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 10:06	
EPA 6010D	Zinc	0.0756	mg/L	0.0100	0.0054		X138002	AS	09/21/21 10:06	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 09:59	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 13:04	
SM 2320 B	Total Alkalinity	184	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:06	
SM 2320 B	Bicarbonate	184	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:06	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:06	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X137177	SM	09/18/21 15:49	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.83	mg/L	0.20	0.14		X137100	RS	09/08/21 14:34	
EPA 300.0	Nitrate as N	2.21	mg/L	0.050	0.043		X137100	RS	09/08/21 14:34	
EPA 300.0	Sulfate as SO₄	1.69	mg/L	0.30	0.18		X137100	RS	09/08/21 14:34	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWMS-004-210907**

Sampled: 07-Sep-21 13:53

Received: 08-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110110-04 (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		X138152	AM	09/22/21 09:33	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.114	mg/L	0.0040	0.0019		X138002	AS	09/21/21 10:10	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 10:10	
EPA 6010D	Manganese	0.0168	mg/L	0.0080	0.0034		X138002	AS	09/21/21 10:10	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 10:10	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138002	AS	09/21/21 10:10	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 10:01	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	3.41	mg/L	0.060	0.025	2	X139091	KJR	09/23/21 13:07	D2
SM 2320 B	Total Alkalinity	181	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:13	
SM 2320 B	Bicarbonate	181	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:13	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:13	
SM 2540 C	Total Diss. Solids	296	mg/L	10			X137190	TJL	09/10/21 15:40	
SM 5310B	Total Organic Carbon	1.99	mg/L	1.00	0.38		X137177	SM	09/18/21 16:02	
Anions by Ion Chromatography										
EPA 300.0	Chloride	1.15	mg/L	0.20	0.14		X137100	RS	09/08/21 15:09	
EPA 300.0	Nitrate as N	10.2	mg/L	0.500	0.430	10	X137100	RS	09/08/21 15:26	D2
EPA 300.0	Sulfate as SO₄	11.9	mg/L	0.30	0.18		X137100	RS	09/08/21 15:09	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWMW-009-210907**

Sampled: 07-Sep-21 10:23

SVL Sample ID: **X110110-05 (Ground Water)**

Received: 08-Sep-21

Sample Report Page 1 of 1

Sampled By: KM/GF/MT

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X138152	AM	09/22/21 09:35	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.167	mg/L	0.0040	0.0019		X138002	AS	09/21/21 10:13	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 10:13	
EPA 6010D	Manganese	0.668	mg/L	0.0080	0.0034		X138002	AS	09/21/21 10:13	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 10:13	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138002	AS	09/21/21 10:13	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 10:03	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 15:50	
SM 2320 B	Total Alkalinity	268	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:21	
SM 2320 B	Bicarbonate	268	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:21	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:21	
SM 2540 C	Total Diss. Solids	339	mg/L	10			X137190	TJL	09/10/21 15:40	
SM 5310B	Total Organic Carbon	2.47	mg/L	1.00	0.38		X137177	SM	09/18/21 16:15	

Anions by Ion Chromatography

EPA 300.0	Chloride	27.7	mg/L	2.00	1.40	10	X137100	RS	09/08/21 16:01	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X137100	RS	09/08/21 15:44	
EPA 300.0	Sulfate as SO₄	3.60	mg/L	0.30	0.18		X137100	RS	09/08/21 15:44	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWMW-010-210907**

Sampled: 07-Sep-21 11:43

Received: 08-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110110-06 (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		X138152	AM	09/22/21 09:42	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0479	mg/L	0.0040	0.0019		X138002	AS	09/21/21 10:16	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 10:16	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X138002	AS	09/21/21 10:16	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 10:16	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138002	AS	09/21/21 10:16	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 10:06	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 13:23	
SM 2320 B	Total Alkalinity	93.8	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:37	
SM 2320 B	Bicarbonate	93.8	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:37	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:37	
SM 2540 C	Total Diss. Solids	120	mg/L	10			X137190	TJL	09/10/21 15:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X137177	SM	09/18/21 16:28	
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.41	mg/L	0.20	0.14		X137100	RS	09/08/21 16:54	
EPA 300.0	Nitrate as N	0.240	mg/L	0.050	0.043		X137100	RS	09/08/21 16:54	
EPA 300.0	Sulfate as SO₄	1.02	mg/L	0.30	0.18		X137100	RS	09/08/21 16:54	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWMW-013-210907**

Sampled: 07-Sep-21 11:30

Received: 08-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110110-07 (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		X138152	AM	09/22/21 09:44	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0532	mg/L	0.0040	0.0019		X138002	AS	09/21/21 10:20	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 10:20	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X138002	AS	09/21/21 10:20	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 10:20	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138002	AS	09/21/21 10:20	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 10:08	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 13:25	
SM 2320 B	Total Alkalinity	197	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:44	
SM 2320 B	Bicarbonate	197	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:44	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:44	
SM 2540 C	Total Diss. Solids	229	mg/L	10			X137190	TJL	09/10/21 15:40	
SM 5310B	Total Organic Carbon	1.27	mg/L	1.00	0.38		X137177	SM	09/18/21 16:42	
Anions by Ion Chromatography										
EPA 300.0	Chloride	8.77	mg/L	0.20	0.14		X137100	RS	09/08/21 17:12	
EPA 300.0	Nitrate as N	0.495	mg/L	0.050	0.043		X137100	RS	09/08/21 17:12	
EPA 300.0	Sulfate as SO₄	3.74	mg/L	0.30	0.18		X137100	RS	09/08/21 17:12	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWMW-014-210907**

Sampled: 07-Sep-21 10:00

SVL Sample ID: **X110110-08 (Ground Water)**

Received: 08-Sep-21

Sample Report Page 1 of 1

Sampled By: KM/GF/MT

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X138152	AM	09/22/21 09:46	
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Metals (Total Recoverable)

EPA 6010D	Barium	< 0.0040	mg/L	0.0040	0.0019		X138002	AS	09/21/21 10:23	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 10:23	
EPA 6010D	Manganese	0.320	mg/L	0.0080	0.0034		X138002	AS	09/21/21 10:23	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 10:23	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138002	AS	09/21/21 10:23	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 10:10	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 13:28	
SM 2320 B	Total Alkalinity	80.7	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:51	
SM 2320 B	Bicarbonate	80.7	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:51	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:51	
SM 2540 C	Total Diss. Solids	133	mg/L	10			X137190	TJL	09/10/21 15:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X137177	SM	09/18/21 16:55	M2

Anions by Ion Chromatography

EPA 300.0	Chloride	0.73	mg/L	0.20	0.14		X137100	RS	09/08/21 17:29	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X137100	RS	09/08/21 17:29	
EPA 300.0	Sulfate as SO₄	9.28	mg/L	0.30	0.18		X137100	RS	09/08/21 17:29	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWMW-019R-210907**

Sampled: 07-Sep-21 13:47

Received: 08-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110110-09 (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		X138152	AM	09/22/21 09:52	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0354	mg/L	0.0040	0.0019		X138002	AS	09/21/21 11:29	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 11:29	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X138002	AS	09/21/21 11:29	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 11:29	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138002	AS	09/21/21 11:29	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 10:20	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 13:31	
SM 2320 B	Total Alkalinity	106	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:58	
SM 2320 B	Bicarbonate	106	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:58	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 16:58	
SM 2540 C	Total Diss. Solids	172	mg/L	10			X137190	TJL	09/10/21 15:40	
SM 5310B	Total Organic Carbon	1.20	mg/L	1.00	0.38		X137177	SM	09/18/21 17:34	
Anions by Ion Chromatography										
EPA 300.0	Chloride	6.22	mg/L	0.20	0.14		X137100	RS	09/08/21 19:14	
EPA 300.0	Nitrate as N	1.22	mg/L	0.050	0.043		X137100	RS	09/08/21 19:14	
EPA 300.0	Sulfate as SO ₄	5.02	mg/L	0.30	0.18		X137100	RS	09/08/21 19:14	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWMW-20-210907**

Sampled: 07-Sep-21 13:15

Received: 08-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110110-10 (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		X138152	AM	09/22/21 09:55	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.299	mg/L	0.0040	0.0019		X138002	AS	09/21/21 11:32	
EPA 6010D	Lead	0.0261	mg/L	0.0150	0.0049		X138002	AS	09/21/21 11:32	
EPA 6010D	Manganese	0.124	mg/L	0.0080	0.0034		X138002	AS	09/21/21 11:32	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 11:32	
EPA 6010D	Zinc	0.0455	mg/L	0.0100	0.0054		X138002	AS	09/21/21 11:32	
EPA 6020B	Arsenic	0.00335	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 10:22	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 13:33	
SM 2320 B	Total Alkalinity	239	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 17:05	
SM 2320 B	Bicarbonate	239	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 17:05	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 17:05	
SM 2540 C	Total Diss. Solids	333	mg/L	10			X137190	TJL	09/10/21 15:40	
SM 5310B	Total Organic Carbon	1.23	mg/L	1.00	0.38		X137177	SM	09/18/21 17:48	
Anions by Ion Chromatography										
EPA 300.0	Chloride	7.36	mg/L	0.20	0.14		X137100	RS	09/08/21 19:32	
EPA 300.0	Nitrate as N	1.80	mg/L	0.050	0.043		X137100	RS	09/08/21 19:32	
EPA 300.0	Sulfate as SO₄	6.39	mg/L	0.30	0.18		X137100	RS	09/08/21 19:32	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **GWMW-29-210907**

Sampled: 07-Sep-21 12:46

SVL Sample ID: **X110110-11 (Ground Water)**

Received: 08-Sep-21

Sample Report Page 1 of 1

Sampled By: KM/GF/MT

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X138152	AM	09/22/21 09:57	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.107	mg/L	0.0040	0.0019		X138002	AS	09/21/21 11:36	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 11:36	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X138002	AS	09/21/21 11:36	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 11:36	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138002	AS	09/21/21 11:36	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 10:25	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 13:36	
SM 2320 B	Total Alkalinity	104	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 17:13	
SM 2320 B	Bicarbonate	104	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 17:13	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 17:13	
SM 2540 C	Total Diss. Solids	417	mg/L	10			X137190	TJL	09/10/21 15:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X137177	SM	09/18/21 18:01	

Anions by Ion Chromatography

EPA 300.0	Chloride	137	mg/L	5.00	3.50	25	X137100	RS	09/08/21 20:42	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X137100	RS	09/08/21 20:25	
EPA 300.0	Sulfate as SO₄	7.35	mg/L	0.30	0.18		X137100	RS	09/08/21 20:25	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Client Sample ID: **MWS-1-2-210907**

Sampled: 07-Sep-21 10:07

Received: 08-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110110-12 (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		X138152	AM	09/22/21 09:59	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.164	mg/L	0.0040	0.0019		X138002	AS	09/21/21 11:39	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138002	AS	09/21/21 11:39	
EPA 6010D	Manganese	0.664	mg/L	0.0080	0.0034		X138002	AS	09/21/21 11:39	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138002	AS	09/21/21 11:39	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138002	AS	09/21/21 11:39	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138001	KAH	09/21/21 10:27	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139091	KJR	09/23/21 13:39	
SM 2320 B	Total Alkalinity	269	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 17:19	
SM 2320 B	Bicarbonate	269	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 17:19	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138092	KAG	09/20/21 17:19	
SM 2540 C	Total Diss. Solids	340	mg/L	10			X137190	TJL	09/10/21 15:40	
SM 5310B	Total Organic Carbon	2.38	mg/L	1.00	0.38		X137177	SM	09/18/21 18:14	
Anions by Ion Chromatography										
EPA 300.0	Chloride	27.3	mg/L	2.00	1.40	10	X137100	RS	09/08/21 21:17	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X137100	RS	09/08/21 21:00	
EPA 300.0	Sulfate as SO₄	3.63	mg/L	0.30	0.18		X137100	RS	09/08/21 21:00	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order:

X110110

Reported:

23-Sep-21 18:27

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	<0.000200	0.000093	0.000200	X138152	22-Sep-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X138002	21-Sep-21	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X138002	21-Sep-21	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X138002	21-Sep-21	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X138002	21-Sep-21	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X138002	21-Sep-21	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X138001	21-Sep-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X139091	23-Sep-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X138092	20-Sep-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X138092	20-Sep-21	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X138092	20-Sep-21	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X137190	10-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X137177	18-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X137177	18-Sep-21	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.14	0.20	X137100	08-Sep-21	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X137100	08-Sep-21	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X137100	08-Sep-21	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	0.00503	0.00500	101	80 - 120	X138152	22-Sep-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.07	1.00	107	80 - 120	X138002	21-Sep-21	
EPA 6010D	Lead	mg/L	1.04	1.00	104	80 - 120	X138002	21-Sep-21	
EPA 6010D	Manganese	mg/L	1.05	1.00	105	80 - 120	X138002	21-Sep-21	
EPA 6010D	Vanadium	mg/L	1.04	1.00	104	80 - 120	X138002	21-Sep-21	
EPA 6010D	Zinc	mg/L	1.04	1.00	104	80 - 120	X138002	21-Sep-21	
EPA 6020B	Arsenic	mg/L	0.0244	0.0250	97.6	80 - 120	X138001	21-Sep-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X139091	23-Sep-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.6	9.93	96.7	94.3 - 106	X138092	20-Sep-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	101	99.3	102	94.3 - 106	X138092	20-Sep-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	401	397	101	94.3 - 106	X138092	20-Sep-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	9.6	9.93	96.7	95.1 - 106	X138092	20-Sep-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	99.9	99.3	101	95.1 - 106	X138092	20-Sep-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	386	397	97.3	95.1 - 106	X138092	20-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	33.7	34.3	98.2	90 - 110	X137177	18-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	33.7	34.3	98.3	90 - 110	X137177	18-Sep-21	



Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order:

X110110

Reported:

23-Sep-21 18:27

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.98	3.00	99.4	90 - 110	X137100	08-Sep-21	
EPA 300.0	Nitrate as N	mg/L	2.03	2.00	101	90 - 110	X137100	08-Sep-21	
EPA 300.0	Sulfate as SO ₄	mg/L	10.7	10.0	107	90 - 110	X137100	08-Sep-21	

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	80.0	80.7	0.9	20	X138092 - X110110-08	20-Sep-21	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	80.0	80.7	0.9	20	X138092 - X110110-08	20-Sep-21	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X138092 - X110110-08	20-Sep-21	
SM 2540 C	Total Diss. Solids	mg/L	125	133	6.2	10	X137190 - X110110-08	10-Sep-21	

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	0.00104	<0.000200	0.00100	104	75 - 125	X138152 - X110110-08	22-Sep-21	
EPA 7470A	Mercury	mg/L	0.000927	<0.000200	0.00100	92.7	75 - 125	X138152 - X110110-12	22-Sep-21	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	0.922	<0.0040	1.00	92.2	75 - 125	X138002 - X110110-08	21-Sep-21	
EPA 6010D	Lead	mg/L	0.880	<0.0150	1.00	88.0	75 - 125	X138002 - X110110-08	21-Sep-21	
EPA 6010D	Manganese	mg/L	1.24	0.320	1.00	92.4	75 - 125	X138002 - X110110-08	21-Sep-21	
EPA 6010D	Vanadium	mg/L	0.916	<0.0050	1.00	91.6	75 - 125	X138002 - X110110-08	21-Sep-21	
EPA 6010D	Zinc	mg/L	0.891	<0.0100	1.00	89.1	75 - 125	X138002 - X110110-08	21-Sep-21	
EPA 6020B	Arsenic	mg/L	0.0250	<0.00300	0.0250	96.2	75 - 125	X138001 - X110110-08	21-Sep-21	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X139091 - X110110-08	23-Sep-21	
EPA 350.1	Ammonia as N	mg/L	0.989	<0.030	1.00	98.9	90 - 110	X139091 - X110110-12	23-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	8.50	<1.00	10.0	79.2	80 - 120	X137177 - X110110-08	18-Sep-21	M2

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.81	0.83	3.00	99.5	90 - 110	X137100 - X110110-03	08-Sep-21	
EPA 300.0	Chloride	mg/L	3.72	0.73	3.00	99.6	90 - 110	X137100 - X110110-08	08-Sep-21	
EPA 300.0	Nitrate as N	mg/L	4.20	2.21	2.00	99.5	90 - 110	X137100 - X110110-03	08-Sep-21	
EPA 300.0	Nitrate as N	mg/L	1.96	<0.050	2.00	98.1	90 - 110	X137100 - X110110-08	08-Sep-21	
EPA 300.0	Sulfate as SO ₄	mg/L	12.3	1.69	10.0	106	90 - 110	X137100 - X110110-03	08-Sep-21	
EPA 300.0	Sulfate as SO ₄	mg/L	19.9	9.28	10.0	106	90 - 110	X137100 - X110110-08	08-Sep-21	



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

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	0.00101	0.00104	0.00100	3.2	20	101	X138152 - X110110-08	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.01	0.922	1.00	9.5	20	101	X138002 - X110110-08	
EPA 6010D	Lead	mg/L	0.938	0.880	1.00	6.3	20	93.8	X138002 - X110110-08	
EPA 6010D	Manganese	mg/L	1.37	1.24	1.00	9.7	20	105	X138002 - X110110-08	
EPA 6010D	Vanadium	mg/L	0.970	0.916	1.00	5.7	20	97.0	X138002 - X110110-08	
EPA 6010D	Zinc	mg/L	0.952	0.891	1.00	6.6	20	95.2	X138002 - X110110-08	
EPA 6020B	Arsenic	mg/L	0.0251	0.0250	0.0250	0.6	20	96.7	X138001 - X110110-08	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.03	1.02	1.00	1.0	20	103	X139091 - X110110-08	
SM 5310B	Total Organic Carbon	mg/L	8.68	8.50	10.0	2.1	20	81.0	X137177 - X110110-08	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	3.73	3.72	3.00	0.3	20	100	X137100 - X110110-08	
EPA 300.0	Nitrate as N	mg/L	1.97	1.96	2.00	0.3	20	98.4	X137100 - X110110-08	
EPA 300.0	Sulfate as SO4	mg/L	19.9	19.9	10.0	0.0	20	106	X137100 - X110110-08	



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

Work Order: **X110110**
Reported: 23-Sep-21 18:27

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
M2	Matrix spike recovery was low, but 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



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

Work Order: **X110174**
Reported: 23-Sep-21 17:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWMS-005-210908	X110174-01	Ground Water	08-Sep-21 08:55	KM/GF/ MT	09-Sep-2021	
GWMW-016-210908	X110174-02	Ground Water	08-Sep-21 09:19	KM/GF/ MT	09-Sep-2021	
GWMW-023-210908	X110174-03	Ground Water	08-Sep-21 10:01	KM/GF/ MT	09-Sep-2021	
MWS-1-1-210908	X110174-04	Ground Water	08-Sep-21 09:47	KM/GF/ MT	09-Sep-2021	

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.

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

Work Order: **X110174**
Reported: 23-Sep-21 17:40

Client Sample ID: **GWMS-005-210908**

Sampled: 08-Sep-21 08:55

Received: 09-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110174-01 (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		X138156	AM	09/22/21 09:06	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0508	mg/L	0.0040	0.0019		X138058	AS	09/21/21 13:53	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138058	AS	09/22/21 07:57	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X138058	AS	09/21/21 13:53	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138058	AS	09/21/21 13:53	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138058	AS	09/22/21 07:57	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138062	KAH	09/21/21 09:32	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139093	ZZZ	09/23/21 15:17	
SM 2320 B	Total Alkalinity	107	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 12:56	
SM 2320 B	Bicarbonate	107	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 12:56	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 12:56	
SM 2540 C	Total Diss. Solids	241	mg/L	10			X138025	TJL	09/13/21 17:00	
SM 5310B	Total Organic Carbon	1.32	mg/L	1.00	0.38		X137179	SM	09/18/21 23:29	
Anions by Ion Chromatography										
EPA 300.0	Chloride	24.5	mg/L	2.00	1.40	10	X137167	RS	09/09/21 19:32	D2,M4
EPA 300.0	Nitrate as N	1.44	mg/L	0.050	0.043		X137167	RS	09/09/21 19:14	
EPA 300.0	Sulfate as SO ₄	18.2	mg/L	0.30	0.18		X137167	RS	09/09/21 19:14	M1

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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

Work Order: **X110174**
Reported: 23-Sep-21 17:40

Client Sample ID: **GWMW-016-210908**

Sampled: 08-Sep-21 09:19

Received: 09-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110174-02 (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		X138156	AM	09/22/21 09:08	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.629	mg/L	0.0040	0.0019		X138058	AS	09/21/21 14:03	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138058	AS	09/22/21 08:09	
EPA 6010D	Manganese	0.478	mg/L	0.0080	0.0034		X138058	AS	09/21/21 14:03	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138058	AS	09/21/21 14:03	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138058	AS	09/22/21 08:09	
EPA 6020B	Arsenic	0.0581	mg/L	0.00300	0.00021		X138062	KAH	09/21/21 09:38	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	0.430	mg/L	0.030	0.013		X139093	ZZZ	09/23/21 15:20	
SM 2320 B	Total Alkalinity	1320	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 13:03	
SM 2320 B	Bicarbonate	1320	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 13:03	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 13:03	
SM 2540 C	Total Diss. Solids	1480	mg/L	40			X138025	TJL	09/13/21 17:00	D2
SM 5310B	Total Organic Carbon	33.8	mg/L	1.00	0.38		X137179	SM	09/18/21 23:42	
Anions by Ion Chromatography										
EPA 300.0	Chloride	166	mg/L	5.00	3.50	25	X137167	RS	09/09/21 21:19	D2
EPA 300.0	Nitrate as N	0.770	mg/L	0.050	0.043		X137167	RS	09/09/21 21:02	
EPA 300.0	Sulfate as SO₄	0.44	mg/L	0.30	0.18		X137167	RS	09/09/21 21:02	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

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 99005

Work Order: **X110174**
Reported: 23-Sep-21 17:40

Client Sample ID: **GWMW-023-210908**

Sampled: 08-Sep-21 10:01

Received: 09-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110174-03 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X138156	AM	09/22/21 09:10	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.135	mg/L	0.0040	0.0019		X138058	AS	09/21/21 14:07	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138058	AS	09/22/21 08:13	
EPA 6010D	Manganese	0.933	mg/L	0.0080	0.0034		X138058	AS	09/21/21 14:07	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138058	AS	09/21/21 14:07	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138058	AS	09/22/21 08:13	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138062	KAH	09/21/21 09:40	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139093	ZZZ	09/23/21 15:23	
SM 2320 B	Total Alkalinity	338	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 13:11	
SM 2320 B	Bicarbonate	338	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 13:11	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 13:11	
SM 2540 C	Total Diss. Solids	443	mg/L	10			X138025	TJL	09/13/21 17:00	
SM 5310B	Total Organic Carbon	3.13	mg/L	1.00	0.38		X137179	SM	09/18/21 23:55	

Anions by Ion Chromatography

EPA 300.0	Chloride	49.7	mg/L	2.00	1.40	10	X137167	RS	09/09/21 21:55	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X137167	RS	09/09/21 21:37	
EPA 300.0	Sulfate as SO₄	8.42	mg/L	0.30	0.18		X137167	RS	09/09/21 21:37	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



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: **X110174**
Reported: 23-Sep-21 17:40

Client Sample ID: **MWS-1-1-210908**

Sampled: 08-Sep-21 09:47

Received: 09-Sep-21

Sampled By: KM/GF/MT

SVL Sample ID: **X110174-04 (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		X138156	AM	09/22/21 09:21	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.137	mg/L	0.0040	0.0019		X138058	AS	09/21/21 14:10	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X138058	AS	09/22/21 08:17	
EPA 6010D	Manganese	0.945	mg/L	0.0080	0.0034		X138058	AS	09/21/21 14:10	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X138058	AS	09/21/21 14:10	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X138058	AS	09/22/21 08:17	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X138062	KAH	09/21/21 09:42	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X139093	ZZZ	09/23/21 15:25	
SM 2320 B	Total Alkalinity	342	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 13:19	
SM 2320 B	Bicarbonate	342	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 13:19	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X138219	KAG	09/21/21 13:19	
SM 2540 C	Total Diss. Solids	452	mg/L	10			X138025	TJL	09/13/21 17:00	
SM 5310B	Total Organic Carbon	2.64	mg/L	1.00	0.38		X137179	SM	09/19/21 00:09	
Anions by Ion Chromatography										
EPA 300.0	Chloride	49.4	mg/L	2.00	1.40	10	X137167	RS	09/09/21 23:07	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X137167	RS	09/09/21 22:49	
EPA 300.0	Sulfate as SO₄	8.76	mg/L	0.30	0.18		X137167	RS	09/09/21 22:49	

This data has been reviewed for accuracy and has been authorized for release by the Laboratory Director or designee.

Dave Tryon
Project Manager



Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order:

X110174

Reported:

23-Sep-21 17:40

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	<0.000200	0.000093	0.000200	X138156	22-Sep-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X138058	21-Sep-21	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X138058	22-Sep-21	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X138058	21-Sep-21	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X138058	21-Sep-21	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X138058	22-Sep-21	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X138062	21-Sep-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X139093	23-Sep-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X138219	21-Sep-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X138219	21-Sep-21	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X138219	21-Sep-21	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X138025	13-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X137179	18-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X137179	18-Sep-21	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.14	0.20	X137167	09-Sep-21	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X137167	09-Sep-21	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X137167	09-Sep-21	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	0.00508	0.00500	102	80 - 120	X138156	22-Sep-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.02	1.00	102	80 - 120	X138058	21-Sep-21	
EPA 6010D	Lead	mg/L	0.987	1.00	98.7	80 - 120	X138058	22-Sep-21	
EPA 6010D	Manganese	mg/L	1.01	1.00	101	80 - 120	X138058	21-Sep-21	
EPA 6010D	Vanadium	mg/L	1.03	1.00	103	80 - 120	X138058	21-Sep-21	
EPA 6010D	Zinc	mg/L	0.988	1.00	98.8	80 - 120	X138058	22-Sep-21	
EPA 6020B	Arsenic	mg/L	0.0248	0.0250	99.0	80 - 120	X138062	21-Sep-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	0.994	1.00	99.4	90 - 110	X139093	23-Sep-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	9.9	9.93	99.7	94.3 - 106	X138219	21-Sep-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	102	94.3 - 106	X138219	21-Sep-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	401	397	101	94.3 - 106	X138219	21-Sep-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	9.9	9.93	99.7	95.1 - 106	X138219	21-Sep-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	100	99.3	101	95.1 - 106	X138219	21-Sep-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	385	397	97.0	95.1 - 106	X138219	21-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	33.4	34.3	97.4	90 - 110	X137179	18-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	33.5	34.3	97.6	90 - 110	X137179	18-Sep-21	



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

Work Order: **X110174**
Reported: 23-Sep-21 17:40

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.08	3.00	103	90 - 110	X137167	09-Sep-21	
EPA 300.0	Nitrate as N	mg/L	2.12	2.00	106	90 - 110	X137167	09-Sep-21	
EPA 300.0	Sulfate as SO ₄	mg/L	10.5	10.0	105	90 - 110	X137167	09-Sep-21	

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	108	107	0.3	20	X138219 - X110174-01	21-Sep-21	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	108	107	0.3	20	X138219 - X110174-01	21-Sep-21	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X138219 - X110174-01	21-Sep-21	
SM 2540 C	Total Diss. Solids	mg/L	1130	1120	1.1	10	X138025 - X110172-02	13-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	1.48	1.40	5.6	20	X137179 - X110069-01	18-Sep-21	

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	0.000940	<0.000200	0.00100	94.0	75 - 125	X138156 - X110174-03	22-Sep-21	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.12	0.0508	1.00	107	75 - 125	X138058 - X110174-01	21-Sep-21	
EPA 6010D	Lead	mg/L	0.961	<0.0150	1.00	96.1	75 - 125	X138058 - X110174-01	22-Sep-21	
EPA 6010D	Manganese	mg/L	1.08	<0.0080	1.00	108	75 - 125	X138058 - X110174-01	21-Sep-21	
EPA 6010D	Vanadium	mg/L	1.09	<0.0050	1.00	109	75 - 125	X138058 - X110174-01	21-Sep-21	
EPA 6010D	Zinc	mg/L	0.960	<0.0100	1.00	96.0	75 - 125	X138058 - X110174-01	22-Sep-21	
EPA 6020B	Arsenic	mg/L	0.0248	<0.00300	0.0250	97.7	75 - 125	X138062 - X110174-01	21-Sep-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.00	<0.030	1.00	100	90 - 110	X139093 - X110174-01	23-Sep-21	
EPA 350.1	Ammonia as N	mg/L	0.992	<0.030	1.00	99.2	90 - 110	X139093 - X110171-01	23-Sep-21	
SM 5310B	Total Organic Carbon	mg/L	11.4	1.40	10.0	99.6	80 - 120	X137179 - X110069-01	18-Sep-21	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	27.9	24.5	3.00	0.30R>S	90 - 110	X137167 - X110174-01	09-Sep-21	D2,M4
EPA 300.0	Chloride	mg/L	355	359	3.00	0.30R>S	90 - 110	X137167 - X110167-01	10-Sep-21	D2,M4
EPA 300.0	Nitrate as N	mg/L	3.54	1.44	2.00	105	90 - 110	X137167 - X110174-01	09-Sep-21	
EPA 300.0	Nitrate as N	mg/L	3.62	1.57	2.00	103	90 - 110	X137167 - X110167-01	10-Sep-21	
EPA 300.0	Sulfate as SO ₄	mg/L	28.7	18.2	10.0	105	90 - 110	X137167 - X110174-01	09-Sep-21	
EPA 300.0	Sulfate as SO ₄	mg/L	638	638	10.0	0.30R>S	90 - 110	X137167 - X110167-01	10-Sep-21	D2,M4



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

Work Order: **X110174**
Reported: 23-Sep-21 17:40

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	0.000905	0.000940	0.00100	3.8	20	90.5	X138156 - X110174-03	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.11	1.12	1.00	1.3	20	106	X138058 - X110174-01	
EPA 6010D	Lead	mg/L	0.978	0.961	1.00	1.7	20	97.8	X138058 - X110174-01	
EPA 6010D	Manganese	mg/L	1.01	1.08	1.00	7.3	20	101	X138058 - X110174-01	
EPA 6010D	Vanadium	mg/L	1.04	1.09	1.00	5.1	20	104	X138058 - X110174-01	
EPA 6010D	Zinc	mg/L	0.977	0.960	1.00	1.8	20	97.7	X138058 - X110174-01	
EPA 6020B	Arsenic	mg/L	0.0246	0.0248	0.0250	0.7	20	96.9	X138062 - X110174-01	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	1.00	1.1	20	101	X139093 - X110174-01	
SM 5310B	Total Organic Carbon	mg/L	11.2	11.4	10.0	1.2	20	98.3	X137179 - X110069-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	27.3	27.9	3.00	1.9	20	95.9	X137167 - X110174-01	D2
EPA 300.0	Chloride	mg/L	353	355	3.00	0.5	20	0.30R>S	X137167 - X110167-01	D2,M4
EPA 300.0	Nitrate as N	mg/L	3.53	3.54	2.00	0.3	20	104	X137167 - X110174-01	
EPA 300.0	Nitrate as N	mg/L	3.63	3.62	2.00	0.1	20	103	X137167 - X110167-01	
EPA 300.0	Sulfate as SO4	mg/L	29.3	28.7	10.0	2.1	20	111	X137167 - X110174-01	M1
EPA 300.0	Sulfate as SO4	mg/L	630	638	10.0	1.3	20	0.30R>S	X137167 - X110167-01	D2,M4



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

Work Order: **X110174**
Reported: 23-Sep-21 17:40

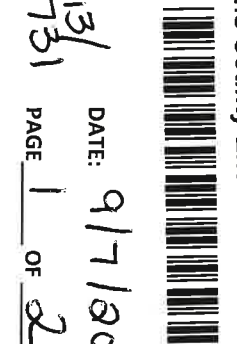
Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
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

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 CHATTAROV RD.
COLBERT, WASHINGTON 99005
(509) 238-6607 FAX (509) 238-6812
MICA (509) 924-5223

SHIPPING CO: UPS
SHIPPING #: K86780477131
NUMBER OF COOLERS: 2 7731
DATE: 9/7/2002
PAGE 1 **OF** 2



PARAMETERS:	DATE	TIME	MONITORING			RESIDENTIAL		METALS (As / Ba / Pb / Hg Mn / V / Zn)	SAMPLERS:	
			TOC	AMMONIA	CI / SO4 / TDS NO3 / ALKALINITY	CI / SO4 / NO3 ALKALINITY				
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			
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			
LAB:			SVL	SVL	SVL	SVL	SVL			
PRESERVATION:			H2SO4 pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HNO3 Ph < 2 (NOT FILTERED)			
SAMPLE IDENTIFICATION	DATE	TIME								
GW DN-001-210907	9/7	0837	X	X	X	X	X	#14	4	
GW DN-002-210907	9/7	1127	X	X	X	X	X	#14	4	
GW DN-003-210907	9/7	1007	X	X	X	X	X	#14	4	
GW M5-004-210907	9/7	1353	X	X	X	X	X	#14	4	
GW MW-009-210907	9/7	1023	X	X	X	X	X	#8	4	
GW MW-010-210907	9/7	1143	X	X	X	X	X	#8	4	
GW MW-013-210907	9/7	1130	X	X	X	X	X	#8	4	
GW MW-014-210907	9/7	1000	X	X	X	X	X	#14	4	
GW MW-019R-210907	9/7	1347	X	X	X	X	X	#8	4	
GW MW-020-210907	9/7	1315	X	X	X	X	X	#8	4	
GW MW-029-210907	9/7	1246	X	X	X	X	X	#8	4	

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

RELINQUISHED BY
SIGNATURE: *Mike Astewart*
PRINT NAME: MIKE S. ASTEWART
COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY
SIGNATURE: *A. Flores*
PRINT NAME: A. FLORES
COMPANY: SVL

DATE: 9/17/2002
TIME: 1530

DATE: 9/18/2002
TIME: 9:50

*SAMPLE ID WRITTEN ON HD OF BOTTLES READS 1-2.
45 9/18/2002

ALL TOX ARE IN COOLER #14

SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
 2021

X110110

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 CHATTAROV RD.
 COLBERT, WASHINGTON 99005
 (509) 238-6607 FAX (509) 238-6812
 MICA (509) 924-5223

SHIPPING CO: UPS
SHIPPING #: 1K267004 77131
NUMBER OF COOLERS: 2

DATE: 9/17/2001
PAGE 2 **OF** 2

PARAMETERS:	MONITORING				RESIDENTIAL		METALS		SAMPLERS:		
	TOC	AMMONIA	Cl / SO4 / TDS	NO3 / ALKALINITY	Cl / SO4 / NO3	ALKALINITY	(As / Ba / Pb / Hg / Mn / V / Zn)		K. MCCLARTY	G. FISSETTE	M. TERNERIS
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				
BOTTLES:	1-40 ml. VOC	1-500 ml. POLY BOTTLE	1-500 ml. POLY BOTTLE		1-500 ml. POLY BOTTLE		1-500 ml. POLY BOTTLE				
LAB:	SVL	SVL	SVL		SVL		SVL				
PRESERVATION:	H2SO4	H2SO4	UNPRESERVED		UNPRESERVED		HN03 Ph < 2 (NOT FILTERED)				
COOLER NUMBER											
BOTTLES											
COMMENTS											
SAMPLE IDENTIFICATION	DATE	TIME									
MWS-1-a-210907	9/17	1007									

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

RELINQUISHED BY

SIGNATURE:

PRINT NAME:

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: 9/17/2001

TIME: 1530

RECEIVED BY

SIGNATURE:

PRINT NAME:

COMPANY:

DATE: 9/18/2001

TIME: 4:50

* SAMPLE ID WRITTEN ON MID OF BOTTLES READS 9...

CF 9/18/2001

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: 9/8/2021

By: [Signature]

SVL Work No: X110110

Item	Description	V	NA	Comments
1	Client or project name	✓		SPOKANE CITY
2	Date and time of receipt at lab	✓		9/8/2021 9:50
3	Received by	✓		D. FLORES
4	Temperature blank or cooler temperature	✓		Temp 2.4 °C, 2.6 °C
5	Were the sample(s) received on ice	✓		YES
6	Custody tape/bottle seals	✓		YES
7	Shipper's air bill	✓		YES
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:

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

Work Order: **X110174**
Spokane County Environmental Services (I

2021

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 #: 1Z2673247697
NUMBER OF COOLERS: 1

DATE: 9/8/2021

PAGE: 1 **OF** 1



PARAMETERS:		MONITORING				RESIDENTIAL		SAMPLERS:	
METHOD:	BOTTLES:	LAB:	PRESERVATION:	TOC	AMMONIA	CI / SO4 / TDS NO3 / ALKALINITY	CI / SO4 / NO3 ALKALINITY	METALS (As / Ba / Pb / Hg Mn / V / Zn)	SAMPLERS:
GWMS-005-210908									K. MCCARTY
GW MW-016-210908									G. Fiset
GW MW-023-210908									M. TERRIS
MWS-1-1-210908									

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

RELINQUISHED BY SIGNATURE: <i>Mike Stenris</i> PRINT NAME: MIKE S. TERRIS COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE	RECEIVED BY SIGNATURE: <i>[Signature]</i> PRINT NAME: C. FLORES COMPANY: SVL
--	--

DATE: 9/8/2021
TIME: 1400

DATE: 9/9/2021
TIME: 9:00

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: 9/9/2021

By: [Signature]

SVL Work No: XII0174

Item	Description	V	NA	Comments
1	Client or project name	✓		SPokane City
2	Date and time of receipt at lab	✓		9/9/2021 9:00
3	Received by	✓		C. FLORES
4	Temperature blank or cooler temperature	✓		Temp: 3.4°C
5	Were the sample(s) received on ice	✓		YES
6	Custody tape/bottle seals	✓		YES
7	Shipper's air bill	✓		
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:

APPENDIX B - DATA SUMMARY ANALYSIS

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
DW-001	1,2-Dichloroethane	100	0.00	0	0	0.00	0	100	0
DW-001	1,2-Dichloropropane	100	0.00	0	0	0.00	0	100	0
DW-001	Acetone	100	0.00	0	0	0.00	0	100	0
DW-001	Alkalinity	100	148.85	109	189	10.60	100	0	0
DW-001	Ammonia	99	0.01	0	0.27	0.03	18	81	0
DW-001	Arsenic	100	0.00	0	0.0036	0.00	34	66	0
DW-001	Barium	100	0.01	0	0.0432	0.01	95	5	0
DW-001	Benzene	100	0.00	0	0	0.00	0	100	0
DW-001	bis(2-Ethylhexyl)Phthalate	53	1.73	0	17	4.37	13	40	6
DW-001	Chloride	100	2.67	0	17	2.92	98	2	0
DW-001	cis-1,2-dichloroethene	97	0.00	0	0	0.00	0	97	0
DW-001	Ethylbenzene	91	0.00	0	0	0.00	0	91	0
DW-001	Lead	100	0.00	0	0.034	0.00	20	80	0
DW-001	m,p-Xylene	61	0.00	0	0	0.00	0	61	0
DW-001	Manganese	100	0.01	0	0.068	0.01	87	13	0
DW-001	Mercury	98	0.00	0	0	0.00	0	98	0
DW-001	Methylene Chloride	100	0.00	0	0	0.00	0	100	0
DW-001	N-Nitrate	100	0.07	0	0.496	0.08	72	28	0
DW-001	o-Xylene	88	0.00	0	0	0.00	0	88	0
DW-001	Sulfate	69	8.57	0	11.8	1.61	68	1	0
DW-001	Tetrachloroethene	100	0.00	0	0	0.00	0	100	0
DW-001	Toluene	100	0.00	0	0	0.00	0	100	0
DW-001	Total Dissolved Solids	2	189.00	188	190	1.41	2	0	0
DW-001	Total Organic Carbon	98	0.54	0	6.1	1.09	29	69	0
DW-001	Trichloroethene	100	0.00	0	0	0.00	0	100	0
DW-001	Vanadium	98	0.00	0	0	0.00	0	98	0
DW-001	Vinyl Chloride	100	0.00	0	0	0.00	0	100	0
DW-001	Xylene	30	0.00	0	0	0.00	0	30	0
DW-001	Zinc	103	0.80	0.0465	7.18	1.07	103	0	0
DW-002	1,2-Dichloroethane	101	0.00	0	0	0.00	0	101	0
DW-002	1,2-Dichloropropane	101	0.00	0	0	0.00	0	101	0
DW-002	Acetone	101	0.00	0	0	0.00	0	101	0
DW-002	Alkalinity	116	154.90	144	180	5.76	116	0	0
DW-002	Ammonia	105	0.01	0	0.28	0.03	19	86	0
DW-002	Arsenic	101	0.00	0	0	0.00	0	101	0
DW-002	Barium	128	0.04	0	0.044	0.00	127	1	0
DW-002	Benzene	101	0.00	0	0	0.00	0	101	0
DW-002	bis(2-Ethylhexyl)Phthalate	35	0.12	0	1.7	0.41	3	32	0
DW-002	Chloride	118	9.62	4.93	14.6	1.98	118	0	0
DW-002	cis-1,2-dichloroethene	98	0.00	0	0	0.00	0	98	0
DW-002	Ethylbenzene	92	0.00	0	0	0.00	0	92	0
DW-002	Lead	102	0.00	0	0.023	0.00	4	98	0
DW-002	m,p-Xylene	63	0.00	0	0.15	0.02	1	62	0
DW-002	Manganese	108	0.00	0	0.0328	0.01	53	55	0
DW-002	Mercury	101	0.00	0	0	0.00	0	101	0
DW-002	Methylene Chloride	102	0.00	0	0.12	0.01	1	101	0
DW-002	N-Nitrate	118	1.34	0.721	2.32	0.25	118	0	0
DW-002	o-Xylene	89	0.00	0	0	0.00	0	89	0
DW-002	Sulfate	93	5.60	0	8.1	0.85	92	1	0
DW-002	Tetrachloroethene	101	0.00	0	0	0.00	0	101	0
DW-002	Toluene	101	0.06	0	5.24	0.52	2	99	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	111	0.58	0	13.1	1.42	39	72	0
DW-002	Trichloroethene	101	0.00	0	0	0.00	0	101	0
DW-002	Vanadium	101	0.00	0	0.0054	0.00	1	100	0
DW-002	Vinyl Chloride	101	0.00	0	0	0.00	0	101	0
DW-002	Xylene	30	0.00	0	0	0.00	0	30	0
DW-002	Zinc	117	0.11	0	1.2	0.22	78	39	0
DW-003	1,2-Dichloroethane	103	0.00	0	0	0.00	0	103	0
DW-003	1,2-Dichloropropane	103	0.00	0	0	0.00	0	103	0
DW-003	Acetone	103	0.00	0	0	0.00	0	103	0
DW-003	Alkalinity	108	184.31	167	207	6.61	108	0	0
DW-003	Ammonia	103	0.03	0	1.94	0.19	21	82	0
DW-003	Arsenic	100	0.00	0	0	0.00	0	100	0
DW-003	Barium	109	0.03	0	0.0321	0.00	108	1	0
DW-003	Benzene	103	0.00	0	0	0.00	0	103	0
DW-003	bis(2-Ethylhexyl)Phthalate	35	0.34	0	8.2	1.45	3	32	1
DW-003	Chloride	107	1.01	0	22	2.13	92	15	0
DW-003	cis-1,2-dichloroethene	100	0.00	0	0	0.00	0	100	0
DW-003	Ethylbenzene	94	0.00	0	0	0.00	0	94	0
DW-003	Lead	101	0.00	0	0.007	0.00	32	69	0
DW-003	m,p-Xylene	63	0.00	0	0	0.00	0	63	0
DW-003	Manganese	102	0.00	0	0.0024	0.00	6	96	0
DW-003	Mercury	100	0.00	0	0	0.00	0	100	0
DW-003	Methylene Chloride	103	0.00	0	0.3	0.03	1	102	0
DW-003	N-Nitrate	108	0.99	0	7.4	1.15	107	1	0
DW-003	o-Xylene	91	0.00	0	0	0.00	0	91	0
DW-003	Sulfate	78	0.81	0	2.38	0.55	72	6	0
DW-003	Tetrachloroethene	103	0.00	0	0	0.00	0	103	0
DW-003	Toluene	103	0.00	0	0	0.00	0	103	0
DW-003	Total Dissolved Solids	4	220.25	200	251	22.07	4	0	0
DW-003	Total Organic Carbon	101	0.23	0	3.3	0.63	15	86	0
DW-003	Trichloroethene	103	0.00	0	0	0.00	0	103	0
DW-003	Vanadium	100	0.00	0	0.002	0.00	2	98	0
DW-003	Vinyl Chloride	103	0.00	0	0	0.00	0	103	0
DW-003	Xylene	31	0.00	0	0	0.00	0	31	0
DW-003	Zinc	111	0.24	0.0426	0.774	0.13	111	0	0
LS-AB	Arsenic	5	0.00	0	0	0.00	0	5	0
LS-AB	Benzene	4	0.00	0	0	0.00	0	4	0
LS-AB	Cadmium	5	0.00	0	0	0.00	0	5	0
LS-AB	Copper	5	0.00	0	0	0.00	0	5	0
LS-AB	Ethylbenzene	4	0.00	0	0	0.00	0	4	0
LS-AB	Lead	5	0.00	0	0	0.00	0	5	0
LS-AB	m,p-Xylene	4	0.00	0	0	0.00	0	4	0
LS-AB	Mercury	5	0.00	0	0	0.00	0	5	0
LS-AB	Nickel	5	0.00	0	0	0.00	0	5	0
LS-AB	o-Xylene	4	0.00	0	0	0.00	0	4	0
LS-AB	Silver	5	0.00	0	0	0.00	0	5	0
LS-AB	Toluene	4	0.28	0	1.12	0.56	1	3	0
LS-AB	total cyanide	4	0.00	0	0	0.00	0	4	0
LS-AB	Zinc	5	0.00	0	0	0.00	0	5	0
LS-GL	1,2-Dichloroethane	21	0.81	0	2.3	0.75	13	8	8
LS-GL	1,2-Dichloropropane	20	0.26	0	0.6	0.23	12	8	0
LS-GL	Acetone	28	13.38	0	53	15.01	23	5	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
LS-GL	Arsenic	39	0.00	0	0.005	0.00	15	24	0
LS-GL	Benzene	47	0.29	0	10.7	1.56	10	37	1
LS-GL	bis(2-Ethylhexyl)Phthalate	15	0.47	0	4.5	1.21	3	12	0
LS-GL	Cadmium	35	0.03	0	0.931	0.16	1	34	0
LS-GL	cis-1,2-dichloroethene	24	1.22	0	3.6	1.11	16	8	0
LS-GL	Copper	35	0.03	0	0.948	0.16	1	34	0
LS-GL	Ethylbenzene	49	0.39	0	3	0.71	16	33	0
LS-GL	Lead	37	0.03	0	0.924	0.15	5	32	0
LS-GL	m,p-Xylene	30	0.27	0	4.52	1.02	2	28	0
LS-GL	Manganese	2	0.82	0.819	0.824	0.00	2	0	0
LS-GL	Mercury	34	0.00	0	0	0.00	0	34	0
LS-GL	Methylene Chloride	24	5.37	0	17	5.33	16	8	13
LS-GL	Nickel	35	0.03	0	0.9	0.15	2	33	2
LS-GL	o-Xylene	47	0.69	0	4.2	1.12	17	30	0
LS-GL	Silver	37	0.00	0	0.0504	0.01	4	33	0
LS-GL	Tetrachloroethene	21	0.92	0	2.7	0.84	13	8	13
LS-GL	Toluene	63	1.84	0	14	2.82	38	25	0
LS-GL	total cyanide	29	0.00	0	0	0.00	0	29	0
LS-GL	total oil & grease	20	0.80	0	3.6	1.19	7	13	0
LS-GL	Trichloroethene	20	0.45	0	1.2	0.42	12	8	0
LS-GL	Vinyl Chloride	21	0.95	0	3.8	1.10	13	8	13
LS-GL	Xylene	21	2.83	0	9.7	2.74	16	5	0
LS-GL	Zinc	40	0.03	0	0.915	0.14	14	26	0
LS-LSW	Ammonia	11	0.18	0	0.64	0.19	8	3	0
LS-LSW	Chloride	11	109.00	18	500	141.59	11	0	0
LS-LSW	Manganese	11	0.60	0.043	1.69	0.58	11	0	0
LS-LSW	Total Dissolved Solids	11	420.91	64	1300	369.54	11	0	0
LS-LSW	Total Organic Carbon	11	11.31	0	66	18.44	10	1	0
LS-NW	Ammonia	15	0.58	0.023	4.2	1.09	15	0	0
LS-NW	Chloride	15	24.25	3.5	120	29.59	15	0	0
LS-NW	Manganese	15	1.62	0.491	3.85	0.97	15	0	0
LS-NW	Total Dissolved Solids	15	329.00	280	450	43.10	15	0	0
LS-NW	Total Organic Carbon	15	7.28	0	12	3.18	14	1	0
LS-SE	Ammonia	24	8.40	0.044	60	15.60	24	0	0
LS-SE	Chloride	24	69.08	2.7	590	116.57	24	0	0
LS-SE	Manganese	26	2.15	0.068	6.69	1.85	26	0	0
LS-SE	Total Dissolved Solids	23	631.43	0	4000	795.22	22	1	0
LS-SE	Total Organic Carbon	24	98.28	3.1	1200	240.96	24	0	0
LS-SET	1,2-Dichloroethane	4	0.05	0	0.2	0.10	1	3	0
LS-SET	1,2-Dichloropropane	4	0.15	0	0.6	0.30	1	3	0
LS-SET	Acetone	4	363.50	14	800	324.89	4	0	1
LS-SET	Arsenic	4	0.00	0.002	0.004	0.00	4	0	0
LS-SET	Benzene	4	0.18	0	0.7	0.35	1	3	0
LS-SET	bis(2-Ethylhexyl)Phthalate	4	0.00	0	0	0.00	0	4	0
LS-SET	Cadmium	4	0.00	0	0	0.00	0	4	0
LS-SET	cis-1,2-dichloroethene	4	1.63	0	3.2	1.61	3	1	0
LS-SET	Copper	4	0.00	0.002	0.006	0.00	4	0	0
LS-SET	Ethylbenzene	4	2.45	0	5.2	2.59	3	1	0
LS-SET	Lead	4	0.00	0	0	0.00	0	4	0
LS-SET	Mercury	4	0.00	0	0	0.00	0	4	0
LS-SET	Methylene Chloride	4	15.18	0	36	16.99	3	1	2
LS-SET	Nickel	4	0.00	0	0.01	0.01	1	3	1

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
LS-SET	o-Xylene	4	2.48	0	4.8	2.53	3	1	0
LS-SET	Silver	4	0.00	0	0	0.00	0	4	0
LS-SET	Tetrachloroethene	4	0.35	0	1.4	0.70	1	3	1
LS-SET	Toluene	4	8.60	0	16	8.10	3	1	0
LS-SET	total cyanide	4	0.00	0	0	0.00	0	4	0
LS-SET	total oil & grease	4	3.43	1.9	5.1	1.31	4	0	0
LS-SET	Trichloroethene	4	0.45	0	1.6	0.77	2	2	0
LS-SET	Vinyl Chloride	4	0.13	0	0.5	0.25	1	3	1
LS-SET	Xylene	4	6.38	0	13	6.57	3	1	0
LS-SET	Zinc	4	0.02	0	0.027	0.01	3	1	0
LS-TT	1,2-Dichloroethane	7	1.59	0	4.2	1.97	4	3	3
LS-TT	1,2-Dichloropropane	6	0.18	0	0.7	0.30	2	4	1
LS-TT	Acetone	10	26.93	0	120	44.39	9	1	0
LS-TT	Ammonia	2	2.10	0	4.2	2.97	1	1	0
LS-TT	Arsenic	8	0.01	0	0.0397	0.02	7	1	0
LS-TT	Benzene	8	0.08	0	0.4	0.15	2	6	0
LS-TT	bis(2-Ethylhexyl)Phthalate	6	0.20	0	1.2	0.49	1	5	0
LS-TT	Cadmium	6	0.00	0	0	0.00	0	6	0
LS-TT	Chloride	2	38.10	1.6	74.6	51.62	2	0	0
LS-TT	cis-1,2-dichloroethene	7	0.80	0	2.3	1.02	3	4	0
LS-TT	Copper	8	0.01	0.003	0.026	0.01	8	0	0
LS-TT	Ethylbenzene	8	0.31	0	1	0.44	3	5	0
LS-TT	Lead	9	0.00	0	0.002	0.00	4	5	0
LS-TT	Manganese	2	0.68	0.013	1.35	0.95	2	0	0
LS-TT	Mercury	7	0.00	0	0	0.00	0	7	0
LS-TT	Methylene Chloride	6	9.22	0	44	17.59	3	3	2
LS-TT	Nickel	7	0.00	0	0.011	0.01	2	5	2
LS-TT	o-Xylene	8	0.48	0	1.3	0.61	4	4	0
LS-TT	Silver	6	0.00	0	0	0.00	0	6	0
LS-TT	Tetrachloroethene	7	0.54	0	1.6	0.70	3	4	3
LS-TT	Toluene	10	2.17	0	4.6	1.98	6	4	0
LS-TT	total cyanide	7	0.00	0	0.009	0.00	2	5	2
LS-TT	total oil & grease	9	2.53	0	6.9	2.22	8	1	0
LS-TT	Total Organic Carbon	2	6.05	0	12.1	8.56	1	1	0
LS-TT	Trichloroethene	7	0.41	0	1.4	0.56	3	4	0
LS-TT	Vinyl Chloride	7	0.46	0	1.3	0.60	3	4	3
LS-TT	Xylene	8	1.01	0	2.8	1.18	5	3	0
LS-TT	Zinc	11	0.14	0	1.03	0.30	10	1	0
LS-USW	Ammonia	15	12.56	0.014	130	32.61	15	0	0
LS-USW	Chloride	15	282.41	6.8	2600	650.00	15	0	0
LS-USW	Manganese	15	0.66	0.022	2.18	0.62	15	0	0
LS-USW	Total Dissolved Solids	15	747.20	210	4700	1107.25	15	0	0
LS-USW	Total Organic Carbon	15	14.67	4.9	64	14.37	15	0	0
MS-004	1,2-Dichloroethane	101	0.00	0	0	0.00	0	101	0
MS-004	1,2-Dichloropropane	101	0.00	0	0	0.00	0	101	0
MS-004	Acetone	101	0.00	0	0	0.00	0	101	0
MS-004	Alkalinity	70	80.21	47	181	25.01	70	0	0
MS-004	Ammonia	100	0.07	0	3.41	0.38	22	78	0
MS-004	Arsenic	100	0.00	0	0.006	0.00	3	97	0
MS-004	Barium	100	0.05	0	0.114	0.01	99	1	0
MS-004	Benzene	101	0.00	0	0	0.00	0	101	0
MS-004	bis(2-Ethylhexyl)Phthalate	50	1.11	0	11.1	2.14	17	33	2

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MS-004	Chloride	69	0.98	0	23	2.92	49	20	0
MS-004	cis-1,2-dichloroethene	98	0.00	0	0	0.00	0	98	0
MS-004	Ethylbenzene	92	0.00	0	0	0.00	0	92	0
MS-004	Lead	100	0.00	0	0.028	0.00	12	88	0
MS-004	m,p-Xylene	62	0.00	0	0	0.00	0	62	0
MS-004	Manganese	100	0.02	0	0.234	0.04	77	23	0
MS-004	Mercury	100	0.00	0	0.00115	0.00	1	99	0
MS-004	Methylene Chloride	101	0.00	0	0	0.00	0	101	0
MS-004	N-Nitrate	70	4.54	0.911	10.2	1.91	70	0	0
MS-004	o-Xylene	89	0.00	0	0	0.00	0	89	0
MS-004	Sulfate	69	10.75	4.1	20	2.51	69	0	0
MS-004	Tetrachloroethene	101	0.00	0	0	0.00	0	101	0
MS-004	Toluene	101	0.00	0	0	0.00	0	101	0
MS-004	Total Dissolved Solids	68	163.88	78	296	36.50	68	0	0
MS-004	Total Organic Carbon	100	1.11	0	3.7	0.95	69	31	0
MS-004	Trichloroethene	101	0.00	0	0	0.00	0	101	0
MS-004	Vanadium	100	0.00	0	0.004	0.00	5	95	0
MS-004	Vinyl Chloride	101	0.00	0	0	0.00	0	101	0
MS-004	Xylene	30	0.00	0	0	0.00	0	30	0
MS-004	Zinc	100	0.00	0	0.217	0.02	17	83	0
MS-005	1,2-Dichloroethane	101	0.00	0	0	0.00	0	101	0
MS-005	1,2-Dichloropropane	102	0.00	0	0.2	0.02	3	99	0
MS-005	Acetone	101	0.03	0	3.4	0.34	1	100	0
MS-005	Alkalinity	86	138.79	100	176	22.78	86	0	0
MS-005	Ammonia	115	0.01	0	0.526	0.05	23	92	0
MS-005	Arsenic	102	0.00	0	0.0012	0.00	2	100	0
MS-005	Barium	125	0.09	0.0442	0.121	0.02	125	0	0
MS-005	Benzene	101	0.00	0	0	0.00	0	101	0
MS-005	bis(2-Ethylhexyl)Phthalate	41	0.40	0	7.3	1.40	5	36	1
MS-005	Chloride	92	45.20	3	86.5	21.10	92	0	0
MS-005	cis-1,2-dichloroethene	100	0.13	0	0.6	0.20	31	69	0
MS-005	Ethylbenzene	92	0.00	0	0	0.00	0	92	0
MS-005	Lead	102	0.00	0	0	0.00	0	102	0
MS-005	m,p-Xylene	62	0.00	0	0	0.00	0	62	0
MS-005	Manganese	112	0.00	0	0.0229	0.00	25	87	0
MS-005	Mercury	102	0.00	0	0	0.00	0	102	0
MS-005	Methylene Chloride	106	0.27	0	1.4	0.43	34	72	0
MS-005	N-Nitrate	86	5.27	0.85	17.1	3.53	86	0	0
MS-005	o-Xylene	89	0.00	0	0	0.00	0	89	0
MS-005	Sulfate	83	28.37	9.8	61.1	13.64	83	0	0
MS-005	Tetrachloroethene	105	0.17	0	0.9	0.25	39	66	1
MS-005	Toluene	101	0.00	0	0	0.00	0	101	0
MS-005	Total Dissolved Solids	89	374.66	202	1000	105.61	89	0	0
MS-005	Total Organic Carbon	131	1.81	0	12.2	1.48	109	22	0
MS-005	Trichloroethene	105	0.42	0	1.6	0.53	46	59	0
MS-005	Vanadium	104	0.00	0	0.0052	0.00	17	87	0
MS-005	Vinyl Chloride	101	0.00	0	0	0.00	0	101	0
MS-005	Xylene	30	0.00	0	0	0.00	0	30	0
MS-005	Zinc	102	0.00	0	0.153	0.02	13	89	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

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
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
MW-009	1,2-Dichloroethane	101	0.02	0	2	0.20	1	100	1
MW-009	1,2-Dichloropropane	101	0.00	0	0	0.00	0	101	0
MW-009	Acetone	101	0.00	0	0	0.00	0	101	0
MW-009	Alkalinity	83	267.24	191	440	50.56	83	0	0
MW-009	Ammonia	106	0.01	0	0.64	0.06	25	81	0
MW-009	Arsenic	101	0.00	0	0.0015	0.00	2	99	0
MW-009	Barium	125	0.12	0.079	0.195	0.03	125	0	0
MW-009	Benzene	101	0.02	0	2.1	0.21	1	100	1
MW-009	bis(2-Ethylhexyl)Phthalate	39	0.04	0	0.85	0.18	2	37	0
MW-009	Chloride	91	52.34	10.9	160	40.74	91	0	0
MW-009	cis-1,2-dichloroethene	98	0.08	0	2.6	0.29	17	81	0
MW-009	Ethylbenzene	92	0.02	0	1.9	0.20	1	91	0
MW-009	Lead	100	0.00	0	0.0079	0.00	5	95	0
MW-009	m,p-Xylene	62	0.00	0	0	0.00	0	62	0
MW-009	Manganese	126	0.73	0.139	1.87	0.39	126	0	0
MW-009	Mercury	101	0.00	0	0.00014	0.00	4	97	0
MW-009	Methylene Chloride	103	0.01	0	1	0.10	3	100	0
MW-009	N-Nitrate	81	0.07	0	0.92	0.16	42	39	0
MW-009	o-Xylene	89	0.02	0	2	0.21	1	88	0
MW-009	Sulfate	85	10.90	2	35.5	8.36	85	0	0
MW-009	Tetrachloroethene	101	0.00	0	0	0.00	0	101	0
MW-009	Toluene	101	0.02	0	2	0.20	1	100	0
MW-009	Total Dissolved Solids	92	386.60	215	680	126.19	92	0	0
MW-009	Total Organic Carbon	127	4.16	0	153	13.39	122	5	0
MW-009	Trichloroethene	101	0.03	0	2.2	0.22	4	97	0
MW-009	Vanadium	102	0.00	0	0.00357	0.00	6	96	0
MW-009	Vinyl Chloride	101	0.02	0	1.8	0.18	2	99	2
MW-009	Xylene	30	0.00	0	0	0.00	0	30	0
MW-009	Zinc	105	0.00	0	0.0214	0.00	9	96	0
MW-010	1,2-Dichloroethane	101	0.00	0	0	0.00	0	101	0
MW-010	1,2-Dichloropropane	101	0.00	0	0	0.00	0	101	0
MW-010	Acetone	101	0.03	0	2.8	0.28	1	100	0
MW-010	Alkalinity	74	83.12	62	94	5.45	74	0	0
MW-010	Ammonia	102	0.02	0	0.86	0.09	16	86	0
MW-010	Arsenic	99	0.00	0	0	0.00	0	99	0
MW-010	Barium	105	0.04	0.0188	0.0489	0.00	105	0	0
MW-010	Benzene	101	0.00	0	0.2	0.02	1	100	0
MW-010	bis(2-Ethylhexyl)Phthalate	13	0.00	0	0	0.00	0	13	0
MW-010	Chloride	71	0.57	0	5.8	0.87	50	21	0
MW-010	cis-1,2-dichloroethene	98	0.01	0	0.5	0.05	1	97	0
MW-010	Ethylbenzene	92	0.00	0	0	0.00	0	92	0
MW-010	Lead	101	0.00	0	0.002	0.00	2	99	0
MW-010	m,p-Xylene	62	0.00	0	0	0.00	0	62	0
MW-010	Manganese	99	0.00	0	0.003	0.00	6	93	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-010	Mercury	99	0.00	0	0	0.00	0	99	0
MW-010	Methylene Chloride	101	0.00	0	0	0.00	0	101	0
MW-010	N-Nitrate	71	0.24	0.028	0.365	0.04	71	0	0
MW-010	o-Xylene	90	0.01	0	0.4	0.05	2	88	0
MW-010	Sulfate	70	0.89	0	5.2	1.10	49	21	0
MW-010	Tetrachloroethene	101	0.00	0	0	0.00	0	101	0
MW-010	Toluene	102	0.02	0	0.9	0.10	3	99	0
MW-010	Total Dissolved Solids	75	113.49	69	160	14.39	75	0	0
MW-010	Total Organic Carbon	99	0.13	0	2.8	0.51	8	91	0
MW-010	Trichloroethene	101	0.00	0	0	0.00	0	101	0
MW-010	Vanadium	99	0.00	0	0	0.00	0	99	0
MW-010	Vinyl Chloride	101	0.00	0	0	0.00	0	101	0
MW-010	Xylene	31	0.06	0	1	0.23	2	29	0
MW-010	Zinc	102	0.00	0	0.007	0.00	8	94	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	55	0.00	0	0	0.00	0	55	0
MW-013	1,2-Dichloropropane	55	0.00	0	0	0.00	0	55	0
MW-013	Acetone	56	0.36	0	8	1.41	4	52	0
MW-013	Alkalinity	51	192.46	44.6	228	34.84	51	0	0
MW-013	Ammonia	48	0.01	0	0.158	0.03	6	42	0
MW-013	Arsenic	48	0.00	0	0.007	0.00	3	45	0
MW-013	Barium	50	0.06	0.04	0.141	0.02	50	0	0
MW-013	Benzene	55	0.01	0	0.63	0.08	1	54	0
MW-013	bis(2-Ethylhexyl)Phthalate	13	0.00	0	0	0.00	0	13	0
MW-013	Chloride	49	9.86	1.3	14	3.38	49	0	0
MW-013	cis-1,2-dichloroethene	53	0.01	0	0.2	0.04	3	50	0
MW-013	Ethylbenzene	50	0.00	0	0	0.00	0	50	0
MW-013	Lead	48	0.00	0	0.039	0.01	8	40	0
MW-013	m,p-Xylene	35	0.00	0	0	0.00	0	35	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-013	Manganese	48	0.01	0	0.061	0.01	15	33	0
MW-013	Mercury	48	0.00	0	0	0.00	0	48	0
MW-013	Methylene Chloride	55	0.74	0	2.6	0.99	21	34	0
MW-013	N-Nitrate	49	2.02	0.197	6.58	1.75	49	0	0
MW-013	o-Xylene	48	0.00	0	0	0.00	0	48	0
MW-013	Sulfate	49	5.88	0	10.4	1.78	48	1	0
MW-013	Tetrachloroethene	56	0.63	0	1.6	0.46	40	16	21
MW-013	Toluene	56	0.02	0	0.7	0.10	3	53	0
MW-013	Total Dissolved Solids	49	260.49	121	327	37.03	49	0	0
MW-013	Total Organic Carbon	49	1.34	0	4.7	1.00	38	11	0
MW-013	Trichloroethene	55	0.18	0	0.7	0.25	21	34	0
MW-013	Vanadium	48	0.00	0	0	0.00	0	48	0
MW-013	Vinyl Chloride	55	0.00	0	0	0.00	0	55	0
MW-013	Xylene	15	0.00	0	0	0.00	0	15	0
MW-013	Zinc	48	0.01	0	0.08	0.01	11	37	0
MW-014	1,2-Dichloroethane	101	0.00	0	0	0.00	0	101	0
MW-014	1,2-Dichloropropane	101	0.00	0	0	0.00	0	101	0
MW-014	Acetone	101	0.00	0	0	0.00	0	101	0
MW-014	Alkalinity	72	75.91	62	82.6	3.12	72	0	0
MW-014	Ammonia	108	0.01	0	0.58	0.06	22	86	0
MW-014	Arsenic	102	0.00	0	0.006	0.00	10	92	0
MW-014	Barium	101	0.00	0	0.052	0.01	7	94	0
MW-014	Benzene	101	0.01	0	0.7	0.08	2	99	0
MW-014	bis(2-Ethylhexyl)Phthalate	13	0.14	0	1.8	0.50	1	12	0
MW-014	Chloride	77	1.06	0	7.1	1.10	64	13	0
MW-014	cis-1,2-dichloroethene	98	0.00	0	0	0.00	0	98	0
MW-014	Ethylbenzene	92	0.01	0	0.5	0.05	1	91	0
MW-014	Lead	101	0.00	0	0.0127	0.00	9	92	0
MW-014	m,p-Xylene	62	0.00	0	0	0.00	0	62	0
MW-014	Manganese	108	0.20	0.0505	1.78	0.23	108	0	0
MW-014	Mercury	101	0.00	0	0.0002	0.00	1	100	0
MW-014	Methylene Chloride	101	0.00	0	0	0.00	0	101	0
MW-014	N-Nitrate	70	0.00	0	0.059	0.01	12	58	0
MW-014	o-Xylene	89	0.02	0	1.5	0.16	2	87	0
MW-014	Sulfate	71	9.27	5.2	13	1.24	71	0	0
MW-014	Tetrachloroethene	101	0.00	0	0	0.00	0	101	0
MW-014	Toluene	101	0.04	0	1.6	0.21	3	98	0
MW-014	Total Dissolved Solids	70	123.29	99	166	14.91	70	0	0
MW-014	Total Organic Carbon	108	0.22	0	3.5	0.61	15	93	0
MW-014	Trichloroethene	101	0.00	0	0	0.00	0	101	0
MW-014	Vanadium	101	0.00	0	0.00115	0.00	1	100	0
MW-014	Vinyl Chloride	101	0.00	0	0	0.00	0	101	0
MW-014	Xylene	30	0.12	0	2.9	0.54	2	28	0
MW-014	Zinc	102	0.00	0	0.156	0.02	14	88	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

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
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
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	123	2.19	0	14.9	1.89	87	36	85
MW-016	1,2-Dichloropropane	124	11.48	0	18	4.57	116	8	116
MW-016	Acetone	127	3631.10	0	14300	2176.25	124	3	115
MW-016	Alkalinity	83	1333.69	369	1890	383.66	83	0	0
MW-016	Ammonia	132	0.12	0	0.469	0.11	111	21	0
MW-016	Arsenic	128	0.04	0	0.0692	0.02	125	3	0
MW-016	Barium	128	0.71	0.0928	0.899	0.14	128	0	0
MW-016	Benzene	125	13.18	0	21.3	4.96	119	6	119
MW-016	Chloride	87	89.33	2	169	55.91	87	0	0
MW-016	cis-1,2-dichloroethene	123	74.38	0	148	44.46	122	1	86
MW-016	Ethylbenzene	115	54.77	0	86.4	18.58	113	2	0
MW-016	Lead	81	0.00	0	0.0129	0.00	9	72	0
MW-016	m,p-Xylene	79	44.80	27.4	61.6	6.88	79	0	0
MW-016	Manganese	135	7.34	0.15	17.5	5.36	135	0	0
MW-016	Mercury	80	0.00	0	0.0034	0.00	3	77	0
MW-016	Methylene Chloride	121	97.92	0	560	150.79	70	51	56
MW-016	N-Nitrate	46	0.77	0	22.1	3.30	14	32	0
MW-016	o-Xylene	112	19.85	0	31.6	6.38	110	2	0
MW-016	Sulfate	80	3.09	0	24	5.01	56	24	0
MW-016	Tetrachloroethene	111	0.93	0	17	2.77	22	89	19
MW-016	Toluene	126	72.60	0	160	35.89	124	2	28
MW-016	Total Dissolved Solids	82	1890.83	375	2943	671.32	82	0	0
MW-016	Total Organic Carbon	133	303.51	4.44	770	202.31	133	0	0
MW-016	Trichloroethene	125	17.98	0	96	23.45	103	22	88
MW-016	Vanadium	82	0.00	0	0.0191	0.00	6	76	0
MW-016	Vinyl Chloride	126	7.75	0	17.1	4.79	107	19	107
MW-016	Xylene	36	32.38	0	55.9	15.57	35	1	0
MW-016	Zinc	111	0.00	0	0.11	0.01	13	98	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

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
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
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	70	0.01	0	0.2	0.03	2	68	0
MW-019R	1,2-Dichloropropane	70	0.00	0	0.1	0.01	1	69	0
MW-019R	Acetone	70	0.00	0	0	0.00	0	70	0
MW-019R	Alkalinity	65	190.38	106	246	46.53	65	0	0
MW-019R	Ammonia	96	0.02	0	1.21	0.12	19	77	0
MW-019R	Arsenic	96	0.00	0	0.005	0.00	3	93	0
MW-019R	Barium	96	0.08	0.035	0.201	0.03	96	0	0
MW-019R	Benzene	70	0.05	0	3.2	0.39	2	68	1
MW-019R	Chloride	65	35.13	6.22	64	19.05	65	0	0
MW-019R	cis-1,2-dichloroethene	70	0.62	0	3.08	0.90	27	43	0
MW-019R	Ethylbenzene	63	0.00	0	0	0.00	0	63	0
MW-019R	Lead	69	0.00	0	0.0081	0.00	4	65	0
MW-019R	m,p-Xylene	61	0.01	0	0.69	0.09	1	60	0
MW-019R	Manganese	96	0.02	0	0.436	0.06	81	15	0
MW-019R	Mercury	69	0.00	0	0	0.00	0	69	0
MW-019R	Methylene Chloride	70	0.00	0	0.2	0.02	1	69	0
MW-019R	N-Nitrate	39	1.39	0.91	1.68	0.13	39	0	0
MW-019R	o-Xylene	63	0.00	0	0	0.00	0	63	0
MW-019R	Sulfate	65	14.95	4.9	77	15.53	65	0	0
MW-019R	Tetrachloroethene	70	0.05	0	0.52	0.14	8	62	0
MW-019R	Toluene	70	0.07	0	3.34	0.41	3	67	0
MW-019R	Total Dissolved Solids	64	302.55	143	450	86.72	64	0	0
MW-019R	Total Organic Carbon	96	2.69	0	9	1.47	91	5	0
MW-019R	Trichloroethene	70	0.07	0	0.6	0.18	9	61	0
MW-019R	Vanadium	69	0.00	0	0	0.00	0	69	0
MW-019R	Vinyl Chloride	70	0.18	0	2.28	0.44	13	57	13
MW-019R	Xylene	2	0.00	0	0	0.00	0	2	0
MW-019R	Zinc	96	0.01	0	0.147	0.02	28	68	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-020	1,2-Dichloroethane	55	0.00	0	0	0.00	0	55	0
MW-020	1,2-Dichloropropane	55	0.00	0	0	0.00	0	55	0
MW-020	Acetone	55	0.44	0	10	1.87	4	51	0
MW-020	Alkalinity	49	260.92	161	307	33.77	49	0	0
MW-020	Ammonia	48	0.01	0	0.132	0.02	6	42	0
MW-020	Arsenic	48	0.00	0	0.009	0.00	23	25	0
MW-020	Barium	49	0.26	0.0542	0.763	0.15	49	0	0
MW-020	Benzene	55	0.01	0	0.14	0.03	3	52	0
MW-020	Chloride	49	13.57	0	27.5	6.64	48	1	0
MW-020	cis-1,2-dichloroethene	53	0.02	0	0.33	0.08	4	49	0
MW-020	Ethylbenzene	50	0.00	0	0	0.00	0	50	0
MW-020	Lead	48	0.02	0	0.066	0.02	35	13	0
MW-020	m,p-Xylene	35	0.00	0	0	0.00	0	35	0
MW-020	Manganese	49	0.12	0	0.434	0.11	43	6	0
MW-020	Mercury	48	0.00	0	0.00021	0.00	1	47	0
MW-020	Methylene Chloride	55	0.59	0	2.3	0.84	19	36	0
MW-020	N-Nitrate	49	6.19	0.13	8.54	1.99	49	0	0
MW-020	o-Xylene	48	0.01	0	0.34	0.06	2	46	0
MW-020	Sulfate	48	14.07	0	27.8	5.44	47	1	0
MW-020	Tetrachloroethene	55	0.02	0	0.21	0.06	6	49	0
MW-020	Toluene	55	0.03	0	1	0.14	2	53	0
MW-020	Total Dissolved Solids	49	386.06	200	784	94.30	49	0	0
MW-020	Total Organic Carbon	49	2.29	0	6.8	1.35	45	4	0
MW-020	Trichloroethene	55	0.08	0	0.5	0.16	14	41	0
MW-020	Vanadium	48	0.00	0	0.0177	0.00	10	38	0
MW-020	Vinyl Chloride	55	0.01	0	0.5	0.07	3	52	3
MW-020	Xylene	15	0.09	0	1	0.27	2	13	0
MW-020	Zinc	48	0.03	0	0.129	0.03	41	7	0
MW-023	1,2-Dichloroethane	142	1.12	0	2.4	0.67	120	22	65
MW-023	1,2-Dichloropropane	138	0.78	0	1.34	0.37	120	18	97
MW-023	Acetone	111	0.61	0	7.36	1.48	19	92	0
MW-023	Alkalinity	111	518.50	0	757	141.91	110	1	0
MW-023	Ammonia	122	0.01	0	0.12	0.02	27	95	0
MW-023	Arsenic	111	0.00	0	0.00334	0.00	30	81	0
MW-023	Barium	154	0.20	0.0091	0.299	0.05	154	0	0
MW-023	Benzene	142	1.30	0	2.9	0.90	121	21	92
MW-023	bis(2-Ethylhexyl)Phthalate	16	0.51	0	3.7	1.21	3	13	0
MW-023	Chloride	116	89.53	1.38	188	52.12	116	0	0
MW-023	cis-1,2-dichloroethene	150	3.10	0	8.37	2.20	141	9	0
MW-023	Ethylbenzene	93	0.00	0	0	0.00	0	93	0
MW-023	Lead	108	0.00	0	0.023	0.00	12	96	0
MW-023	m,p-Xylene	63	0.02	0	0.68	0.11	2	61	0
MW-023	Manganese	155	0.50	0	1.21	0.50	142	13	0
MW-023	Mercury	105	0.00	0	0.0006	0.00	22	83	0
MW-023	Methylene Chloride	135	6.43	0	18.3	4.45	100	35	92
MW-023	N-Nitrate	97	1.88	0	8.04	1.94	73	24	0
MW-023	o-Xylene	122	3.86	0	13.9	3.99	87	35	0
MW-023	Sulfate	117	5.72	0	11	2.08	115	2	0
MW-023	Tetrachloroethene	124	2.05	0	9	2.54	65	59	62
MW-023	Toluene	103	0.00	0	0.22	0.02	1	102	0
MW-023	Total Dissolved Solids	114	722.13	394	1211	214.98	114	0	0
MW-023	Total Organic Carbon	168	5.15	0	60	6.76	162	6	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-023	Trichloroethene	156	3.45	0	9.7	2.68	144	12	62
MW-023	Vanadium	116	0.00	0	0.00935	0.00	33	83	0
MW-023	Vinyl Chloride	144	1.11	0	3.8	0.87	120	24	120
MW-023	Xylene	35	0.31	0	1	0.36	16	19	0
MW-023	Zinc	108	0.00	0	0.0309	0.00	12	96	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
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

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
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
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	101	0.00	0	0	0.00	0	101	0
MW-029	1,2-Dichloropropane	101	0.00	0	0	0.00	0	101	0
MW-029	Acetone	101	0.05	0	3.78	0.41	2	99	0
MW-029	Alkalinity	70	54.38	26	311	36.12	70	0	0
MW-029	Ammonia	100	0.01	0	0.08	0.02	18	82	0
MW-029	Arsenic	100	0.00	0	0.001	0.00	1	99	0
MW-029	Barium	100	0.10	0.03	2.51	0.24	100	0	0
MW-029	Benzene	101	0.00	0	0	0.00	0	101	0
MW-029	bis(2-Ethylhexyl)Phthalate	39	1.88	0	71	11.36	3	36	1
MW-029	Chloride	70	107.94	38	176	49.80	70	0	0
MW-029	cis-1,2-dichloroethene	98	0.00	0	0	0.00	0	98	0
MW-029	Ethylbenzene	92	0.00	0	0.3	0.03	1	91	0
MW-029	Lead	100	0.00	0	0	0.00	0	100	0
MW-029	m,p-Xylene	62	0.00	0	0	0.00	0	62	0
MW-029	Manganese	100	0.01	0	1.17	0.12	29	71	0
MW-029	Mercury	100	0.00	0	0	0.00	0	100	0
MW-029	Methylene Chloride	101	0.00	0	0	0.00	0	101	0
MW-029	N-Nitrate	70	0.79	0	2.26	0.32	68	2	0
MW-029	o-Xylene	89	0.01	0	0.5	0.05	1	88	0
MW-029	Sulfate	69	5.09	0	9.9	1.69	66	3	0
MW-029	Tetrachloroethene	101	0.30	0	0.97	0.32	51	50	2
MW-029	Toluene	101	0.04	0	2	0.24	5	96	0
MW-029	Total Dissolved Solids	68	337.03	150	530	121.07	68	0	0
MW-029	Total Organic Carbon	100	0.31	0	5	0.83	17	83	0
MW-029	Trichloroethene	101	0.01	0	0.61	0.06	1	100	0
MW-029	Vanadium	100	0.00	0	0.00108	0.00	1	99	0
MW-029	Vinyl Chloride	101	0.00	0	0	0.00	0	101	0
MW-029	Xylene	30	0.14	0	3	0.59	2	28	0
MW-029	Zinc	100	0.00	0	0.02	0.00	10	90	0
MW-031	1,2-Dichloroethane	64	0.00	0	0	0.00	0	64	0
MW-031	1,2-Dichloropropane	64	0.00	0	0	0.00	0	64	0
MW-031	Acetone	65	0.04	0	1.4	0.21	2	63	0
MW-031	Alkalinity	43	127.66	31	280	90.86	43	0	0
MW-031	Ammonia	67	0.01	0	0.092	0.02	19	48	0
MW-031	Arsenic	65	0.00	0	0.0019	0.00	9	56	0
MW-031	Barium	67	0.08	0.03	0.15	0.04	67	0	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
MW-031	Benzene	64	0.00	0	0	0.00	0	64	0
MW-031	bis(2-Ethylhexyl)Phthalate	8	0.14	0	1.1	0.39	1	7	0
MW-031	Chloride	44	5.24	1	38	5.86	44	0	0
MW-031	cis-1,2-dichloroethene	64	0.00	0	0	0.00	0	64	0
MW-031	Ethylbenzene	59	0.00	0	0	0.00	0	59	0
MW-031	Lead	65	0.00	0	0.002	0.00	5	60	0
MW-031	m,p-Xylene	39	0.00	0	0	0.00	0	39	0
MW-031	Manganese	68	0.08	0	0.963	0.18	55	13	0
MW-031	Mercury	64	0.00	0	0	0.00	0	64	0
MW-031	Methylene Chloride	64	0.00	0	0	0.00	0	64	0
MW-031	N-Nitrate	42	0.33	0	2.44	0.54	35	7	0
MW-031	o-Xylene	59	0.00	0	0	0.00	0	59	0
MW-031	Sulfate	44	5.99	0	17	3.20	43	1	0
MW-031	Tetrachloroethene	64	0.00	0	0	0.00	0	64	0
MW-031	Toluene	64	0.00	0	0.3	0.04	1	63	0
MW-031	Total Dissolved Solids	43	190.00	61	340	82.00	43	0	0
MW-031	Total Organic Carbon	68	4.98	0	15	2.18	67	1	0
MW-031	Trichloroethene	64	0.00	0	0	0.00	0	64	0
MW-031	Vanadium	65	0.00	0	0.0077	0.00	15	50	0
MW-031	Vinyl Chloride	64	0.00	0	0	0.00	0	64	0
MW-031	Xylene	20	0.00	0	0	0.00	0	20	0
MW-031	Zinc	66	0.00	0	0.013	0.00	13	53	0
SW-1	Ammonia	2	0.01	0	0.021	0.01	1	1	0
SW-1	Arsenic	3	0.00	0.001	0.002	0.00	3	0	0
SW-1	Barium	3	0.06	0.062	0.0663	0.00	3	0	0
SW-1	bis(2-Ethylhexyl)Phthalate	3	0.40	0	1.2	0.69	1	2	0
SW-1	Chloride	3	7.90	6.6	9.3	1.35	3	0	0
SW-1	Copper	3	0.01	0.002	0.0111	0.00	3	0	0
SW-1	Lead	2	0.00	0	0	0.00	0	2	0
SW-1	Mercury	2	0.00	0	0	0.00	0	2	0
SW-1	N-Nitrate	3	0.97	0.022	1.5	0.83	3	0	0
SW-1	Silver	2	0.00	0	0	0.00	0	2	0
SW-1	total cyanide	2	0.00	0	0	0.00	0	2	0
SW-1	Total Organic Carbon	3	8.97	6.7	13	3.50	3	0	0
SW-1	Zinc	3	0.03	0.021	0.0396	0.01	3	0	0
SW-2	Ammonia	2	0.06	0.017	0.095	0.06	2	0	0
SW-2	Arsenic	2	0.00	0	0.002	0.00	1	1	0
SW-2	Barium	2	0.58	0.124	1.04	0.65	2	0	0
SW-2	bis(2-Ethylhexyl)Phthalate	2	0.00	0	0	0.00	0	2	0
SW-2	Chloride	2	15.05	9.1	21	8.41	2	0	0
SW-2	Copper	2	0.06	0.0088	0.109	0.07	2	0	0
SW-2	Lead	2	0.03	0	0.062	0.04	1	1	0
SW-2	Mercury	2	0.00	0	0.0001	0.00	1	1	0
SW-2	N-Nitrate	2	0.45	0.014	0.89	0.62	2	0	0
SW-2	Silver	2	0.00	0	0.0002	0.00	1	1	0
SW-2	total cyanide	2	0.00	0	0	0.00	0	2	0
SW-2	Total Organic Carbon	2	7.60	7	8.2	0.85	2	0	0
SW-2	Zinc	2	0.16	0.0052	0.316	0.22	2	0	0
SW-3	Ammonia	3	0.01	0.01	0.019	0.00	3	0	0
SW-3	Arsenic	3	0.00	0.0011	0.004	0.00	3	0	0
SW-3	Barium	3	0.18	0.154	0.191	0.02	3	0	0
SW-3	bis(2-Ethylhexyl)Phthalate	2	0.00	0	0	0.00	0	2	0

StationID	Analyte	Count	Average	Min	Max	StDev	# Detects	# NonDetects	# Exceedances
SW-3	Chloride	3	21.00	15	25	5.29	3	0	0
SW-3	Copper	2	0.00	0	0	0.00	0	2	0
SW-3	Lead	2	0.00	0	0.001	0.00	1	1	0
SW-3	Mercury	2	0.00	0	0	0.00	0	2	0
SW-3	N-Nitrate	3	0.79	0.37	1.6	0.70	3	0	0
SW-3	Silver	2	0.00	0	0	0.00	0	2	0
SW-3	total cyanide	2	0.00	0	0	0.00	0	2	0
SW-3	Total Organic Carbon	3	7.83	6.7	9.4	1.40	3	0	0
SW-3	Zinc	3	0.00	0	0.0052	0.00	2	1	0

APPENDIX C - DATA VALIDATION

Analytical data for the September 2021 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.

Data Qualifier Summary for September 2021 Sampling Results

StationID	SampleDate	Analyte	AnalyteCat	Units	SampleID	AnalyticalRptLimit	Result	Qualifier
DW-001	9/7/2021	Chloride	C	mg/L	GWDW-001-210907	0.2	1.71	J
DW-001	9/7/2021	N-Nitrate	C	mg/L	GWDW-001-210907	0.05	0.05	J
DW-001	9/7/2021	Barium	I	mg/L	GWDW-001-210907	0.004	0.004	UJ

Despite adequate quality control values at the lab and seasonal variability with concentrations, the values listed above have been qualified as estimates due to abnormally high variability that is inconsistent with current trends.

APPENDIX D - LANDFILL GAS PROBE MEASUREMENTS

Mica Landfill Gas Measurements

Tech: GF
 Date: 1/21/2021
 Temp: 34 to 37 deg F
 Weather: mstly cldy
 Baro. Pres: 29.99 @ 800
 Qualifier: Falling

Filename: MP210121.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 1115

Time Gem Checked:

Baro. Pres: 29.95 @ 1410

Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	11:29	1/21/2021	0	1.1	19.7	79.2	0	0.5	>>>	>>>	>>>	>>>
MGP0002R	11:37	1/21/2021	0	14.7	10.9	74.4	0	0	>>>	>>>	>>>	>>>
MGP00007	11:45	1/21/2021	0	3.9	17.4	78.7	0	0.02	>>>	>>>	>>>	>>>
MGP00008	11:52	1/21/2021	0	1.8	18.3	79.9	0	0.16	>>>	>>>	>>>	>>>
MGP00009	12:02	1/21/2021	0	3.8	17.7	78.5	0	0.29	>>>	>>>	>>>	>>>
MGP00001	13:16	1/21/2021							>>>	>>>	>>>	>>>
MGP00006	13:26	1/21/2021							>>>	>>>	>>>	>>>
MGP00011	13:38	1/21/2021	0	1.5	19.2	79.3	0	0.05	>>>	>>>	>>>	>>>
MGP00005	13:49	1/21/2021							>>>	>>>	>>>	>>>
MGP00010	14:34	1/21/2021	0	4.8	16.6	78.6	0	0	>>>	>>>	>>>	>>>
MGP00003	14:44	1/21/2021							>>>	>>>	>>>	>>>

gw in screen, no sample

gw in screen, no sample

gw in screen, no sample

gw in screen, no sample

Mica Landfill Gas Measurements

Tech: GF

Date: 2/3/2021

Temp: 32-35 deg F

Weather: cldy

Baro. Pres: 29.84 @ 800

Qualifier: Rising

Gas Extraction Monitoring Data

Filename: MP210203.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 940

Time Gem Checked:

Baro. Pres: 29.95 @ 1427

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different	Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	9:57	2/3/2021	0	1	19.8	79.2	0	-1.12	>>>	>>>	>>>	>>>	
MGP0002R	10:20	2/3/2021	0	13.3	11.9	74.8	0	0	>>>	>>>	>>>	>>>	
MGP00007	10:28	2/3/2021	0	3.6	18	78.4	0	0	>>>	>>>	>>>	>>>	
MGP00008	10:35	2/3/2021	0	1.5	19.6	78.9	0	-0.38	>>>	>>>	>>>	>>>	
MGP00009	10:48	2/3/2021	0	3.6	17.6	78.8	0	-0.55	>>>	>>>	>>>	>>>	
MGP00001	11:00	2/3/2021							>>>	>>>	>>>	>>>	gw in screen, no sample
MGP00006	11:09	2/3/2021							>>>	>>>	>>>	>>>	gw in screen, no sample
MGP00011	11:23	2/3/2021	0	1.5	19.4	79.1	0	-0.08	>>>	>>>	>>>	>>>	
MGP00005	11:30	2/3/2021							>>>	>>>	>>>	>>>	gw in screen, no sample
MGP00010	11:36	2/3/2021	0	5.2	16.1	78.7	0	0	>>>	>>>	>>>	>>>	
MGP00003	11:45	2/3/2021	0	5.2	5.2	89.6	0	0	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF
 Date: 3/3/2021
 Temp: 38 to 51 deg F
 Weather: clear
 Baro. Pres: 29.8 @ 815
 Qualifier: Steady

Filename: MP210303.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 840

Time Gem Checked:

Baro. Pres: 29.8 @ 1130

Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different Temp	Referen	Adjus	Valve Pos	Comments
MGP00012	8:45	3/3/2021	0	1.1	19.5	79.4	0	-0.36	>>>	>>>	>>>	>>>
MGP0002R	8:55	3/3/2021	0	11.7	12.6	75.7	0	0	>>>	>>>	>>>	>>>
MGP00007	9:03	3/3/2021	0	3.8	17.5	78.7	0	0	>>>	>>>	>>>	>>>
MGP00008	9:12	3/3/2021	0	3.4	17.9	78.7	0	-0.08	>>>	>>>	>>>	>>>
MGP00009	9:32	3/3/2021	0	3.6	17.2	79.2	0	-0.09	>>>	>>>	>>>	>>>
MGP00001	9:42	3/3/2021							>>>	>>>	>>>	>>>
MGP00006	10:40	3/3/2021							>>>	>>>	>>>	>>>
MGP00011	10:49	3/3/2021	0	1.6	19.2	79.2	0	0	>>>	>>>	>>>	>>>
MGP00005	10:55	3/3/2021	0	1.9	19	79.1	0	0	>>>	>>>	>>>	>>>
MGP00010	11:01	3/3/2021	0	5.1	16.3	78.6	0	-0.03	>>>	>>>	>>>	>>>
MGP00003	11:11	3/3/2021	0	5.1	4	90.9	0	0	>>>	>>>	>>>	>>>

gw in screen, no sample
 gw in screen, no sample

Mica Landfill Gas Measurements

Tech: GF

Date: 4/12/2021

Temp: 45-50 deg F

Weather: mstly cldy

Baro. Pres: 30.22 @ 1000

Qualifier: Falling

Gas Extraction Monitoring Data

Filename: MP210412.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 1045

Time Gem Checked:

Baro. Pres: 30.19 @ 1347

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	10:52	4/12/2021	0	1	19.8	79.2	0	-0.3	>>>	>>>	>>>	>>>
MGP0002R	11:03	4/12/2021	0	10.3	13.9	75.8	0	0	>>>	>>>	>>>	>>>
MGP00007	11:11	4/12/2021	0	3.5	17.8	78.7	0	0	>>>	>>>	>>>	>>>
MGP00008	11:19	4/12/2021	0	3.4	17.8	78.8	0	0	>>>	>>>	>>>	>>>
MGP00009	11:29	4/12/2021	0	3.5	16.9	79.6	0	-0.02	>>>	>>>	>>>	>>>
MGP00001	11:39	4/12/2021							>>>	>>>	>>>	>>>
MGP00006	11:46	4/12/2021							>>>	>>>	>>>	>>>
MGP00003	11:54	4/12/2021	0	6.1	4.9	89	0	0	>>>	>>>	>>>	>>>
MGP00011	13:08	4/12/2021	0	2.2	18.6	79.2	0	0	>>>	>>>	>>>	>>>
MGP00005	13:14	4/12/2021	0	2.3	18.6	79.1	0	0	>>>	>>>	>>>	>>>
MGP00010	13:20	4/12/2021	0	5.8	15.1	79.1	0	0	>>>	>>>	>>>	>>>

gw in screen, no sample

gw in screen, no sample

Mica Landfill Gas Measurements

Tech: GF

Date: 5/4/2021

Temp: 53-61 deg F

Weather: clr to ptly cldy

Baro. Pres: 30.07 @ 1100

Qualifier: Steady

Gas Extraction Monitoring Data

Filename: MP210504.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 950

Time Gem Checked:

Baro. Pres: 30.07 @ 1226

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different	Temp	Refere	Adjus	Valve Pos	Comments	
MGP00001	9:59	5/4/2021								>>>	>>>	>>>	>>>	gw in screens, no sample
MGP00006	10:10	5/4/2021	0	3.5	17.8	78.7	0	0		>>>	>>>	>>>	>>>	
MGP00003	10:17	5/4/2021	0	6.9	6.3	86.8	0	0		>>>	>>>	>>>	>>>	
MGP00012	10:24	5/4/2021	0	1.4	19.2	79.4	0	-0.43		>>>	>>>	>>>	>>>	
MGP0002R	11:05	5/4/2021	0.1	0.8	20	79.1	0	0		>>>	>>>	>>>	>>>	
MGP00007	11:14	5/4/2021	0	3.7	17.6	78.7	0	0		>>>	>>>	>>>	>>>	
MGP00008	11:23	5/4/2021	0	3.3	17.8	78.9	0	-0.1		>>>	>>>	>>>	>>>	
MGP00009	11:31	5/4/2021	0	3.6	16.6	79.8	0	-0.09		>>>	>>>	>>>	>>>	
MGP00011	11:42	5/4/2021	0	2.5	18.4	79.1	0	0		>>>	>>>	>>>	>>>	
MGP00005	11:48	5/4/2021	0	2.3	18.6	79.1	0	0		>>>	>>>	>>>	>>>	
MGP00010	11:55	5/4/2021	0	6	15	79	0	0		>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 6/14/2021

Temp: 80 deg F

Weather: clear

Baro. Pres: 29.92 @ 1000

Qualifier: Falling

Gas Extraction Monitoring Data

Filename: MP210614.xlsx

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 1015

Time Gem Checked:

Baro. Pres: 29.88 @ 1320

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	10:25	6/14/2021	0	1.5	18.9	79.6	0	-0.65	>>>	>>>	>>>	>>>
MGP0002R	10:30	6/14/2021	0	15.9	9.9	74.2	0	0	>>>	>>>	>>>	>>>
MGP00007	10:40	6/14/2021	0	0.9	19.7	79.4	0	0	>>>	>>>	>>>	>>>
MGP00008	10:49	6/14/2021	0	3.3	17.9	78.8	0	-0.06	>>>	>>>	>>>	>>>
MGP00009	11:01	6/14/2021	0	3.9	16.7	79.4	0	-0.01	>>>	>>>	>>>	>>>
MGP00001	11:08	6/14/2021	0.1	4.6	0.4	94.9	0	0	>>>	>>>	>>>	>>>
MGP00006	11:37	6/14/2021	0	1.3	19.4	79.3	0	0	>>>	>>>	>>>	>>>
MGP00011	11:51	6/14/2021	0	2.4	18.8	78.8	0	0	>>>	>>>	>>>	>>>
MGP00005	11:59	6/14/2021	0	2	19	79	0	0	>>>	>>>	>>>	>>>
MGP00010	12:06	6/14/2021	0	5.2	16.6	78.2	0	0	>>>	>>>	>>>	>>>
MGP00003	12:17	6/14/2021	0	8.3	4.9	86.8	0	0	>>>	>>>	>>>	>>>

Mica Landfill Gas Measurements

Tech: GF

Date: 7/7/2021

Temp: 77 - 83 deg F

Weather: ptly cldy to mstly clear

Baro. Pres: 29.76 @ 930

Qualifier: Falling

Gas Extraction Monitoring Data

Filename: MP210707.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 1040

Time Gem Checked:

Baro. Pres: 29.75 @ 1250

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different	Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	10:46	7/7/2021	0	1.5	19	79.5	0	0.16	>>>	>>>	>>>	>>>	
MGP0002R	10:55	7/7/2021	0	17.2	9.7	73.1	0	0	>>>	>>>	>>>	>>>	
MGP00007	11:02	7/7/2021	0	3.7	17.1	79.2	0	0.02	>>>	>>>	>>>	>>>	
MGP00008	11:09	7/7/2021	0	3.2	17.8	79	0	0.02	>>>	>>>	>>>	>>>	
MGP00009	11:17	7/7/2021	0	4	16.6	79.4	0	0.02	>>>	>>>	>>>	>>>	
MGP00001	11:22	7/7/2021	0	5.4	0.5	94.1	0	0	>>>	>>>	>>>	>>>	
MGP00006	11:30	7/7/2021	0	1.6	19.1	79.3	0	0	>>>	>>>	>>>	>>>	
MGP00011	11:53	7/7/2021	0	2.2	18.4	79.4	0	0	>>>	>>>	>>>	>>>	
MGP00005	12:01	7/7/2021	0	2.1	18.9	79	0	0	>>>	>>>	>>>	>>>	
MGP00010	12:07	7/7/2021	0	5.1	16.5	78.4	0	0	>>>	>>>	>>>	>>>	
MGP00003	12:18	7/7/2021	0	11	3.4	85.6	0	0	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 8/10/2021

Temp: 66-77 deg F

Weather: mstly cldy

Baro. Pres: 29.94 @ 850

Qualifier: Rising

Gas Extraction Monitoring Data

Filename: MP210810.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 845

Time Gem Checked:

Baro. Pres: 29.95 @ 1130

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	8:54	8/10/2021	0	0.2	20.5	79.3	0	-0.32	>>>	>>>	>>>	>>>
MGP0002R	9:11	8/10/2021	0.1	15.5	11.8	72.6	0.1	0	>>>	>>>	>>>	>>>
MGP00007	9:21	8/10/2021	0	3.7	17.3	79	0	0	>>>	>>>	>>>	>>>
MGP00008	9:29	8/10/2021	0	3.4	17.7	78.9	0	-0.15	>>>	>>>	>>>	>>>
MGP00009	9:39	8/10/2021	0	4.1	17.1	78.8	0	-0.04	>>>	>>>	>>>	>>>
MGP00001	9:47	8/10/2021	0.1	6.5	0.2	93.2	0	0	>>>	>>>	>>>	>>>
MGP00006	9:56	8/10/2021	0	2.5	18.4	79.1	0	0	>>>	>>>	>>>	>>>
MGP00003	10:03	8/10/2021	0	12.9	6.9	80.2	0	0	>>>	>>>	>>>	>>>
MGP00011	10:41	8/10/2021	0	1.6	18.8	79.6	0	0	>>>	>>>	>>>	>>>
MGP00005	10:47	8/10/2021	0	2.2	18.9	78.9	0	0	>>>	>>>	>>>	>>>
MGP00010	10:54	8/10/2021	0	5.3	16.7	78	0	0	>>>	>>>	>>>	>>>

Mica Landfill Gas Measurements

Tech: GF

Date: 9/2/2021

Temp: 52-65 deg F

Weather: ptly cldy

Baro. Pres: 29.92 @ 730

Qualifier: Rising

Gas Extraction Monitoring Data

Filename: MP210902.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 715

Time Gem Checked:

Baro. Pres: 29.94 @ 1230

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different	Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	7:27	9/2/2021	0	1.2	19.8	79	0	-0.68	>>>	>>>	>>>	>>>	
MGP0002R	7:58	9/2/2021	0	12.1	14.3	73.6	0	0	>>>	>>>	>>>	>>>	
MGP00007	8:06	9/2/2021	0	3.7	17.6	78.7	0	0	>>>	>>>	>>>	>>>	
MGP00008	8:16	9/2/2021	0	3.3	18	78.7	0	-0.16	>>>	>>>	>>>	>>>	
MGP00009	8:25	9/2/2021	0	4.1	17.5	78.4	0	-0.09	>>>	>>>	>>>	>>>	
MGP00001	10:09	9/2/2021	0	6.7	0.2	93.1	0	0	>>>	>>>	>>>	>>>	
MGP00006	10:18	9/2/2021	0	0.9	20.2	78.9	0	0	>>>	>>>	>>>	>>>	
MGP00011	10:28	9/2/2021	0	1.5	19.5	79	0	-0.04	>>>	>>>	>>>	>>>	
MGP00005	10:35	9/2/2021	0	2.4	19.1	78.5	0	0	>>>	>>>	>>>	>>>	
MGP00010	10:43	9/2/2021	0	4.9	17.1	78	0	0	>>>	>>>	>>>	>>>	
MGP00003	10:53	9/2/2021	0	11.1	10.8	78.1	0	-0.01	>>>	>>>	>>>	>>>	

Mica Landfill Gas Measurements

Tech: GF

Date: 10/5/2021

Temp: 48-66 deg F

Weather: ptly cldy

Baro. Pres: 29.74 @

805

Qualifier: Rising

Gas Extraction Monitoring Data

Filename: MP211005.XLXS

Inst. Used: Landtec Gem 500 #

Time Gem Calib: 850

Time Gem Checked:

Baro. Pres: 29.75 @

1140

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	9:05	10/5/2021	0	1.1	19.6	79.3	0	0	>>>	>>>	>>>	>>>
MGP0002R	9:14	10/5/2021	0	14.8	12.5	72.7	0	0	>>>	>>>	>>>	>>>
MGP00007	9:24	10/5/2021	0	3.8	17.3	78.9	0	0	>>>	>>>	>>>	>>>
MGP00008	9:33	10/5/2021	0	3.6	17.7	78.7	0	0	>>>	>>>	>>>	>>>
MGP00009	9:45	10/5/2021	0	4.1	17.3	78.6	0	0	>>>	>>>	>>>	>>>
MGP00001	9:51	10/5/2021	0.1	6.7	0.2	93	0	0	>>>	>>>	>>>	>>>
MGP00006	10:25	10/5/2021	0	2	19	79	0	0	>>>	>>>	>>>	>>>
MGP00011	10:38	10/5/2021	0	1.5	19.2	79.3	0	0	>>>	>>>	>>>	>>>
MGP00005	10:45	10/5/2021	0	2.5	18.7	78.8	0	0	>>>	>>>	>>>	>>>
MGP00010	10:53	10/5/2021	0	4.5	17	78.5	0	0	>>>	>>>	>>>	>>>
MGP00003	11:02	10/5/2021	0	12.6	6.6	80.8	0	0	>>>	>>>	>>>	>>>

Mica Landfill Gas Measurements

Tech: GF
 Date: 11/17/2021
 Temp: 33 deg F
 Weather: mstly clear
 Baro. Pres: 30.27 @
 Qualifier: rising

Filename: MP211117.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 830

Time Gem Checked:

Baro. Pres: 30.28 @ 1113

Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different Temp	Refere	Adjus	Valve Pos	Comments
MGP00012	8:43	11/17/2021	0	0.7	19.9	79.4	0	-1.17	>>>	>>>	>>>	>>>
MGP0002R	8:50	11/17/2021	0	13.6	12.9	73.5	0	0	>>>	>>>	>>>	>>>
MGP00007	9:06	11/17/2021	0	3.4	17.8	78.8	0	0	>>>	>>>	>>>	>>>
MGP00008	9:13	11/17/2021	0	1.9	18.7	79.4	0	-0.17	>>>	>>>	>>>	>>>
MGP00009	9:21	11/17/2021	0	2.4	18.8	78.8	0	-0.05	>>>	>>>	>>>	>>>
MGP00001	9:59	11/17/2021	0	0.9	19.7	79.4	0	0	>>>	>>>	>>>	>>>
MGP00006	10:08	11/17/2021	0	0.8	19.9	79.3	0	0	>>>	>>>	>>>	>>>
MGP00011	10:37	11/17/2021	0	1.4	19.1	79.5	0	-0.04	>>>	>>>	>>>	>>>
MGP00005	10:42	11/17/2021	0	2.4	18.7	78.9	0	0	>>>	>>>	>>>	>>>
MGP00010	10:52	11/17/2021	0	4.4	17	78.6	0	0	>>>	>>>	>>>	>>>
MGP00003	11:02	11/17/2021	0	7.4	11.4	81.2	0	0	>>>	>>>	>>>	>>>

Mica Landfill Gas Measurements

Tech: GF

Date: 12/1/2021

Temp: 53-56 deg F

Weather: cldy, windy

Baro. Pres: 29.98 @ 930

Qualifier: Falling

Gas Extraction Monitoring Data

Filename: MP211201.XLXS

Inst. Used: Landtec Gem 500 # 760

Time Gem Calib: 1000

Time Gem Checked:

Baro. Pres: 29.95 @ 1145

Code	Time	Date	CH4	CO2	O2	Bal	Static Pre	Different	Temp	Refere	Adjus	Comments
MGP00012	10:05	12/1/2021	0	0.6	19.9	79.5	0	0.14	>>>	>>>	>>>	>>>
MGP0002R	10:19	12/1/2021	0	5	17.4	77.6	0	0	>>>	>>>	>>>	>>>
MGP00007	10:31	12/1/2021	0	4	17.4	78.6	0	0.02	>>>	>>>	>>>	>>>
MGP00008	10:38	12/1/2021	0	2.5	18.1	79.4	0	0.03	>>>	>>>	>>>	>>>
MGP00009	10:47	12/1/2021	0	3.5	17.9	78.6	0	0.05	>>>	>>>	>>>	>>>
MGP00001	10:52	12/1/2021							>>>	>>>	>>>	gw in screen, no sample
MGP00006	10:58	12/1/2021							>>>	>>>	>>>	gw in screen, no sample
MGP00011	11:08	12/1/2021	0	1.3	19.3	79.4	0	0.09	>>>	>>>	>>>	>>>
MGP00005	11:16	12/1/2021	0	2.3	18.6	79.1	0	0	>>>	>>>	>>>	>>>
MGP00010	11:23	12/1/2021	0	4.1	16.8	79.1	0	0.01	>>>	>>>	>>>	>>>
MGP00003	11:33	12/1/2021	0	6.8	4.9	88.3	0	0	>>>	>>>	>>>	>>>