



Spokane County

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

April 22, 2021

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

RE: Mica Performance Report

Dear Sandra,

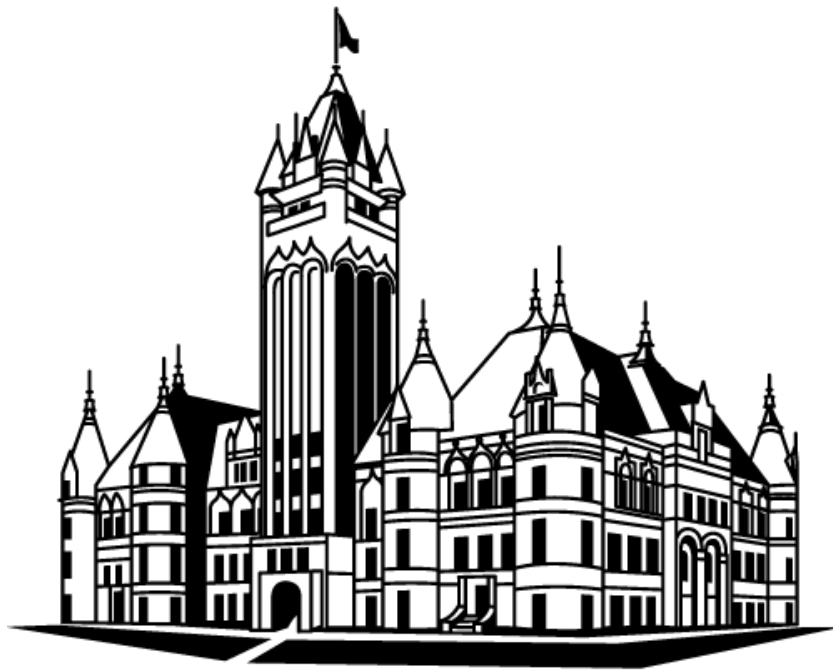
Enclosed you will find one copy of the Mica March 2021 Semi-Annual Progress Report.

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

Sincerely,

Austin Stewart
Water Resources Specialist

**MICA LANDFILL
SEMI-ANNUAL PERFORMANCE REPORT
March 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 March 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 Final CAP. See Table 1-1.
SAMPLING PROGRAMS:	<u>Compliance Monitoring Program:</u> Semi-annual groundwater and leachate sampling completed in accordance with Final Cleanup Action Plan (CAP) and the SAP. MW-16 is still sampled on a quarterly basis, so December 2020 results are included in this report. 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

* Due to a modified wastewater discharge permit, effective November 1, 2020, Spokane County is only required to sample for the Benzene analyte with a maximum allowable discharge limit of less than 0.5 mg/L. This limit will be reflected in all future reports.

Mica Landfill Site Map

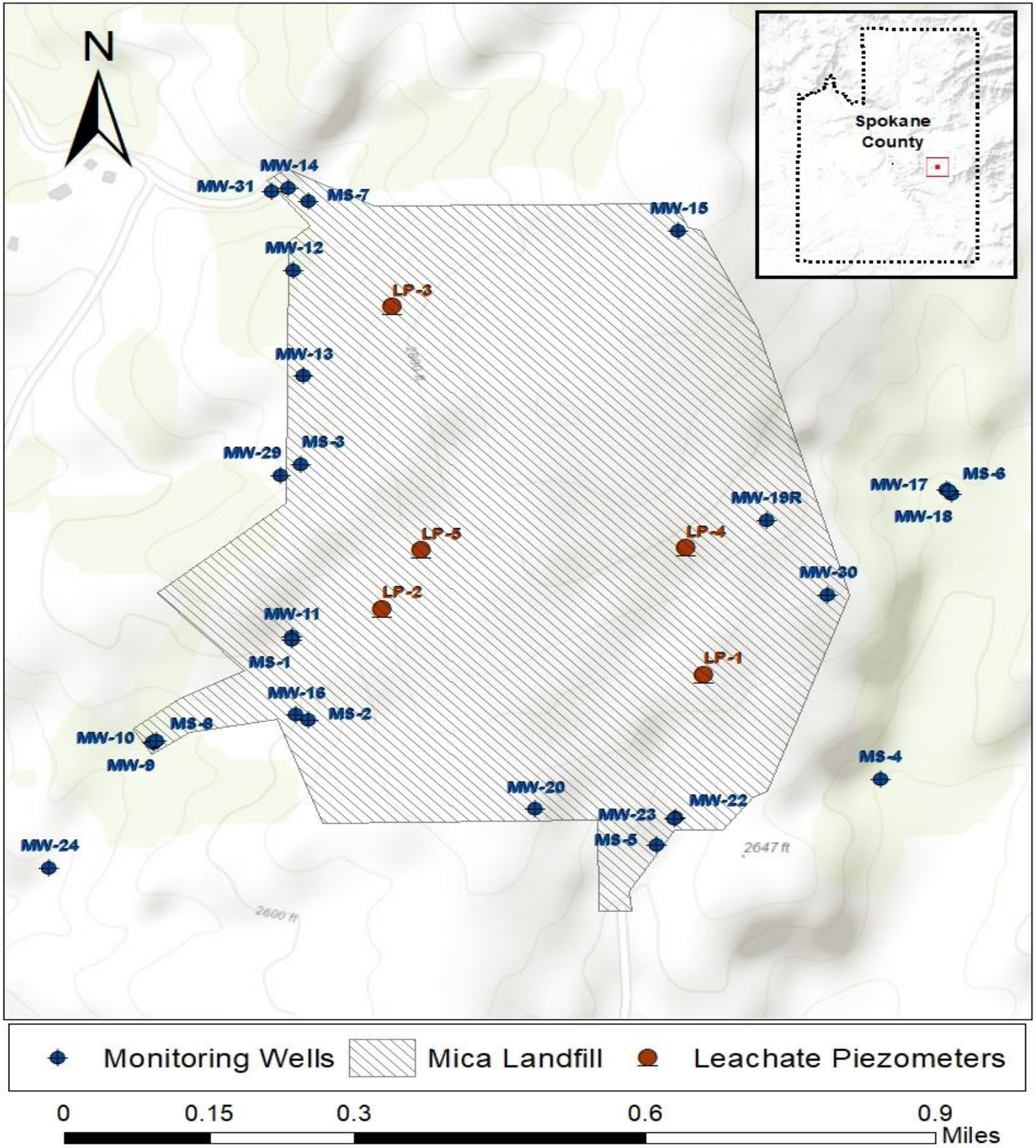


Figure 1-1: Mica Landfill Site Map

Mica Landfill RA Compliance Monitoring Wells

Table 1-2: Mica Landfill Summary Groundwater 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/Alk/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 March 2021 sampling event, water levels were not taken from domestic wells DW-1 and DW-2 due to depth of well and/or running of the well.

FIELD DATA

Field parameters for this report, including water elevations, are shown in Table 2-1.

CRITERIA EXCEEDANCES

Concentrations found above the clean-up criteria during this reporting period are presented in Table 2-2.

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

Nitrate concentrations for MW-29 exceeded the cleanup criteria during the March 2021 sampling event.

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

Several VOC concentrations found in MW-16 were above the clean-up criteria during the December 2020 and March 2021 sampling events. VOCs that had concentrations above the clean-up criteria included 1,2-DCA, 1,2-DCP, Benzene, and Vinyl chloride. The concentrations for arsenic and barium were also above the criteria for MW-16 during the December 2020 and March 2021 sampling events.

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

Nitrate concentrations for MS-5 and MW-20 exceeded the cleanup criteria during the March 2021 sampling event.

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

Monitoring well MW-19R and MS-4 had nitrate concentrations above the clean-up criteria during the March 2021 sampling event.

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

The zinc levels at DW-2 exceeded the clean-up criteria, but were below the Washington State drinking water standards. Domestic Well DW-3 had nitrate concentrations above the criteria of 0.8 mg/L. See the "Contingency Response Actions" section for additional information.

CHEMICAL DATA

All analytical results for this reporting period are shown in Table 2-3. A data validation summary for the laboratory results is presented in APPENDIX A: DATA VALIDATION SUMMARY. 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 laboratory results.

CONTINGENCY RESPONSE ACTIONS

The nitrate concentrations at domestic well DW-3 were above clean-up criteria. As stated in previous reports, Domestic well DW-3 has historically shown an increasing trend in nitrate while the two south drainage monitoring wells upgradient from this well show decreasing nitrate trends.

The zinc concentrations found at DW-1 were below the cleanup criteria in both the September 2020 and March 2021 sampling events. The zinc concentration found at DW-2 was above the cleanup criteria in the March 2021 sampling event, but remains below the Washington State drinking water standards. The increase in zinc concentration 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-002	3/9/2021	10.9	7.01	305	0.18	
DW-003	3/9/2021	10.8	7.23	346	0.52	2395.49
MS-004	3/9/2021	10.4	7.07	291	1.29	2514.94
MS-005	3/10/2021	10.6	6.56	314	0.43	2559.46
MW-009	3/9/2021	5.6	7.18	397	1.36	2494.22
MW-010	3/9/2021	8.5	7.37	170	0.46	2493.88
MW-013	3/9/2021	9.5	6.8	382	0.72	2668.72
MW-014	3/9/2021	9.1	7.1	141	2.54	2591.06
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-019R	3/9/2021	10.1	6.8	236	7.2	2685.86
MW-020	3/9/2021	10.2	7.31	500	9.99	2589.05
MW-023	3/10/2021	10.6	6.99	732		2560.96
MW-029	3/9/2021	9.2	6.3	632	0.8	2591.51
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

Criteria Exceedances

Table 2-2: Criteria Exceedances for Reporting Period

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	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
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
MW-020	3/9/2021	N-Nitrate	0.8	5.52	0.05		mg/L	C	South
MS-004	3/9/2021	N-Nitrate	0.8	9.06	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-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	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	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	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	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	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

Text highlighted in **RED** indicates a “UD” qualifier. The sample had to be diluted during laboratory analysis, which increased the detection limit above cleanup criteria, and was a non-detection at the reported detection limit.

D = Sample diluted during lab analysis

U = Non-detection at the reported detection limit

Mica Landfill Groundwater Analytical Results

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

Analyte	Date	AnalyteCat	Units	DW-001	DW-002	DW-003	MS-004	MS-005	MW-009	MW-010	MW-013	MW-014	MW-016	MW-019R	MW-020	MW-023	MW-029	MW-031
ALK	3-2021	C	mg/L as Ca	155	159	171	162	103	198	94	195	80.3	1290	106	202	343	95.8	62.9
Cl	3-2021	C	mg/L	11.8	7.49	0.71	0.64	22.5	10.9	0.43	8.98	0.79	154	6.78	6.24	49.8	143	2.07
N-NH3	12-2020	C	mg/L										0.357					
N-NH3	3-2021	C	mg/L	0.03U	0.03U	0.03U	0.054	0.03U	0.03U	0.03U	0.03U	0.03U	0.465	0.03U	0.03U	0.03U	0.03U	0.03U
N-NO3	3-2021	C	mg/L	0.2	1.23	1.33	9.06	1.68	0.168	0.277	0.704	0.05U	0.05U	1.41	5.52	0.348	1.18	0.143
SO4	3-2021	C	mg/L	9.58	5.58	1.14	10.4	17.8	2.99	0.92	3.72	9.39	0.35	5.1	9.24	8.89	7.2	4.57
TDS	3-2021	C	mg/L				259	233	230	125	242	127	1540	156	297	460	408	130
TOC	12-2020	C	mg/L										32.7					
TOC	3-2021	C	mg/L	1.04	1U	1U	1.51	3UD	2.49	1U	1.25	1U	34.7	1.29	1.26	3.82	1U	4.54
As	12-2020	I	mg/L										0.0551					
As	3-2021	I	mg/L	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.0567	0.003U	0.003U	0.003U	0.003U	0.003U
Ba	12-2020	I	mg/L										0.621					
Ba	3-2021	I	mg/L	0.0184	0.0366	0.0296	0.0944	0.0535	0.117	0.0471	0.0522	0.004U	0.624	0.035	0.246	0.141	0.103	0.0473
Hg	12-2020	I	mg/L										0.0002U					
Hg	3-2021	I	mg/L	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U
Mn	12-2020	I	mg/L										0.41					
Mn	3-2021	I	mg/L	0.0171	0.0083	0.008U	0.054	0.008U	0.149	0.008U	0.008U	0.205	0.411	0.008U	0.0917	0.906	0.008U	0.008U
Pb	12-2020	I	mg/L										0.015U					
Pb	3-2021	I	mg/L	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U
Va	12-2020	I	mg/L										0.005U					
Va	3-2021	I	mg/L	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
Zn	12-2020	I	mg/L										0.01U					
Zn	3-2021	I	mg/L	0.169	0.401	0.0713	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.0311	0.01U	0.01U	0.01U
BEHP	3-2021	S	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U								0.5U	
1,2-DCA	12-2020	V	ug/L										1.75					
1,2-DCA	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2.88	0.5U	0.5U	0.5U	0.5U	0.5U
1,2-DCP	12-2020	V	ug/L										8.93					

1,2-DCP	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	12.4	0.5U	0.5U	0.5U	0.5U	0.5U
Acetone	12-2020	V	ug/L											296					
Acetone	3-2021	V	ug/L	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	605	2.5U	2.5U	2.5U	2.5U	2.5U
Benzene	12-2020	V	ug/L											8.37					
Benzene	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	11.2	0.5U	0.5U	0.5U	0.5U	0.5U
cis-1,2-DCE	12-2020	V	ug/L											2.47					
cis-1,2-DCE	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	3.23	0.5U	0.5U	0.5U	0.5U	0.5U
Ethylbenzene	12-2020	V	ug/L											47					
Ethylbenzene	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	49	0.5U	0.5U	0.5U	0.5U	0.5U
m+p-Xylene	12-2020	V	ug/L											27.4					
m+p-Xylene	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	38.8	0.5U	0.5U	0.5U	0.5U	0.5U
MC	12-2020	V	ug/L											2.5U					
MC	3-2021	V	ug/L	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U
O-Xylene	12-2020	V	ug/L											12.2					
O-Xylene	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	17	0.5U	0.5U	0.5U	0.5U	0.5U
PCE	12-2020	V	ug/L											0.5U					
PCE	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
TCE	12-2020	V	ug/L											0.5U					
TCE	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.58	0.5U	0.5U	0.5U	0.5U	0.5U
Toluene	12-2020	V	ug/L											5.7					
Toluene	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	7.27	0.5U	0.5U	0.5U	0.5U	0.5U
VC	12-2020	V	ug/L											0.91					
VC	3-2021	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.01	0.5U	0.5U	0.5U	0.5U	0.5U

Blue bold indicates concentration detected above Method Reporting Limit.

Orange bold indicates "UD" qualifier. The sample was diluted during lab analysis, and was a non-detection at the reported detection limit.

D = Sample diluted during lab analysis

U = Non-detection at the reported detection limit

Analyte Criteria Exceedance Time-Series Graphs

NW Drainage Monitoring Wells: Conventional Time-Series Graphs

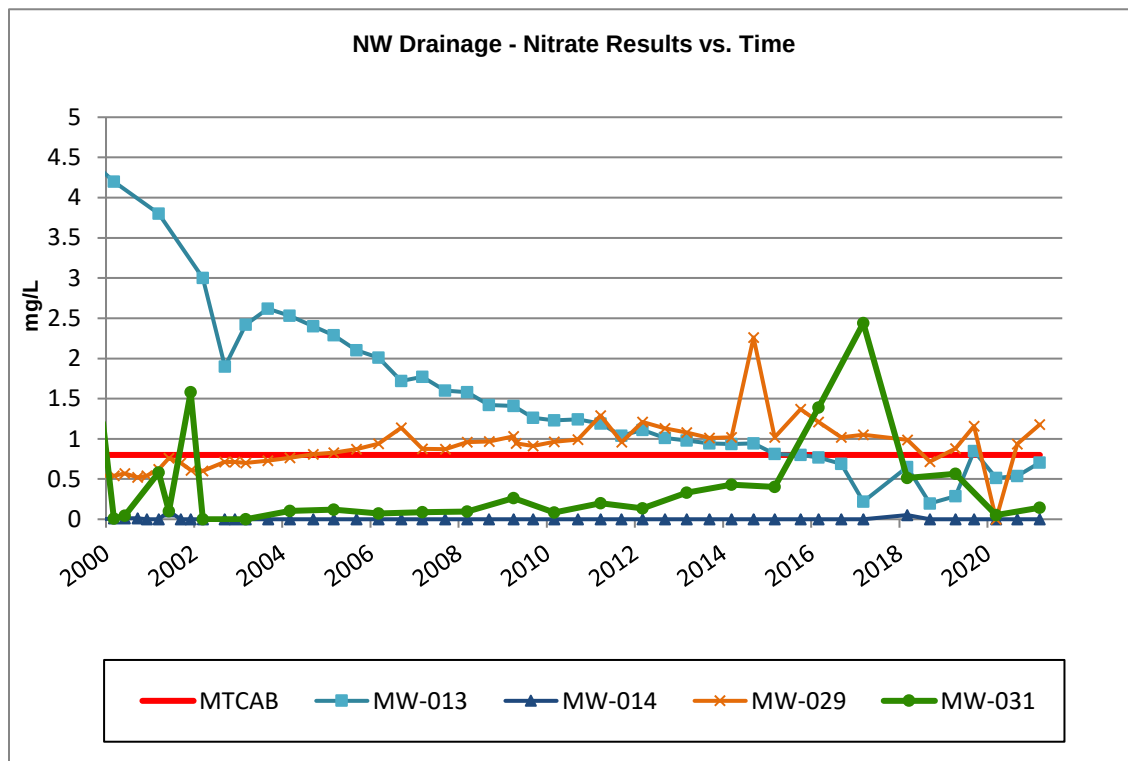


Figure 2-1: Northwest Monitoring Wells Nitrate Concentrations vs. Time

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

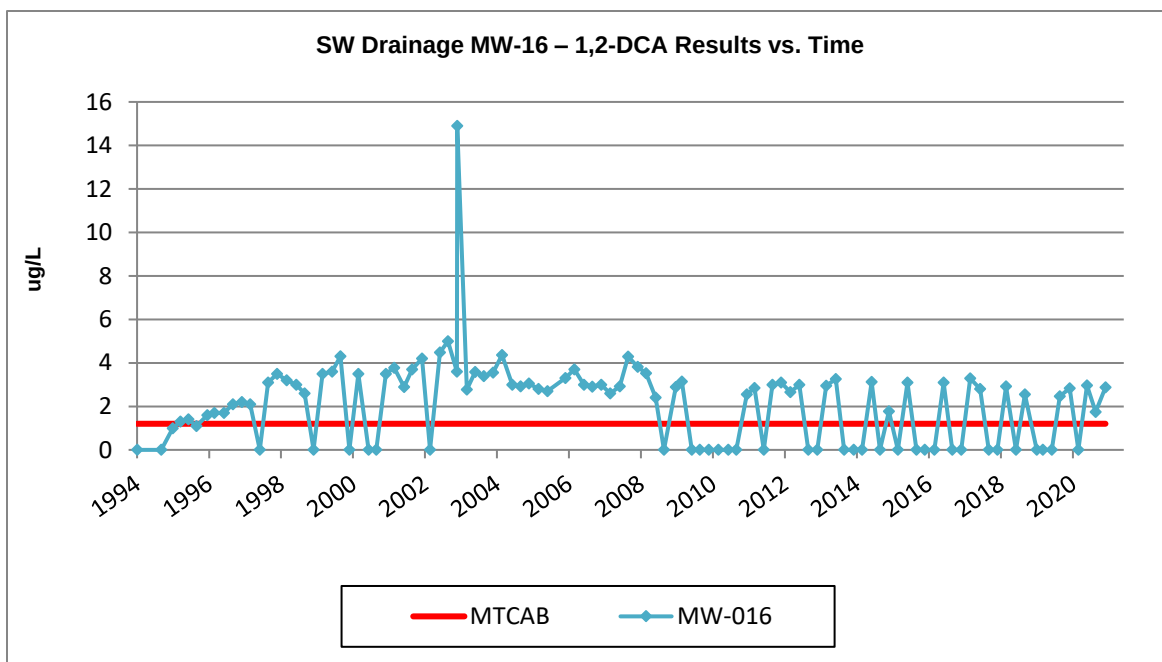


Figure 2-2: SW Monitoring Well MW-16 1,2-DCA Concentrations vs. Time

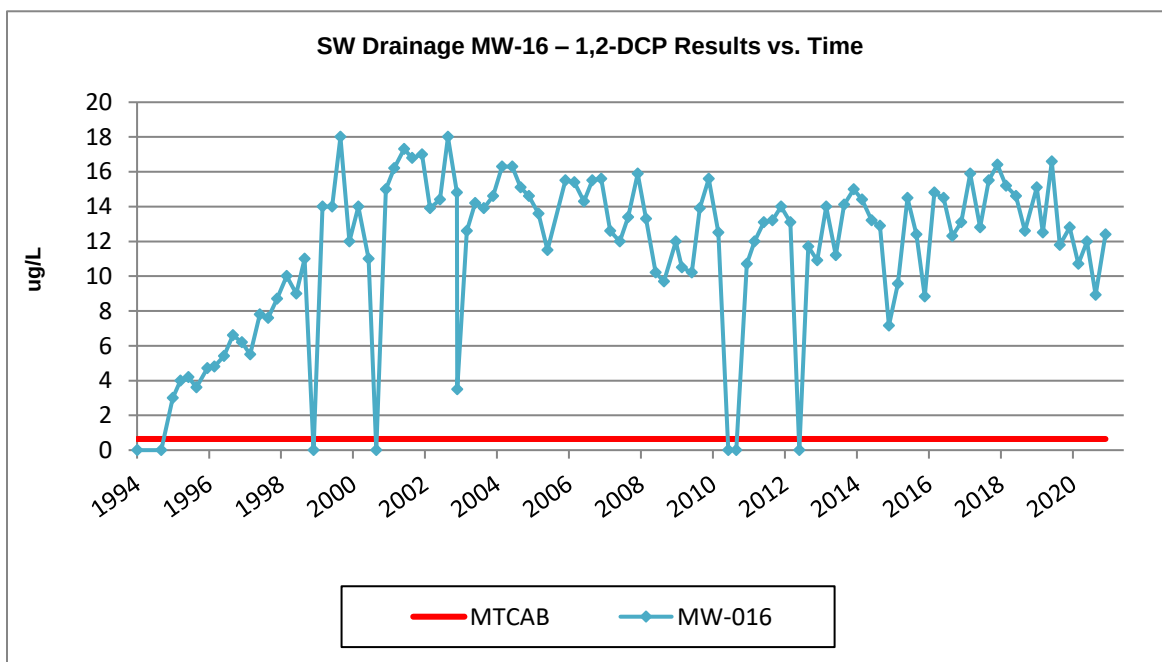


Figure 2-3: SW Monitoring Well MW-16 1,2-DCP Concentrations vs. Time

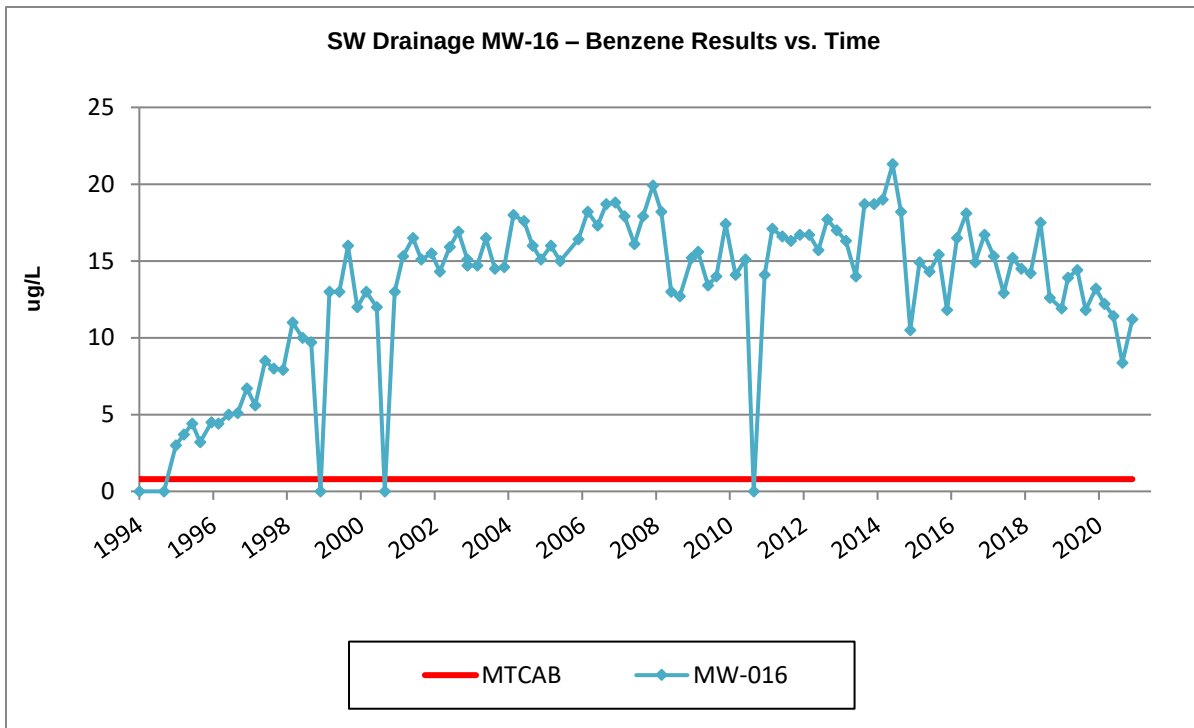


Figure 2-4: SW Monitoring Well MW-16 Benzene Results vs. Time

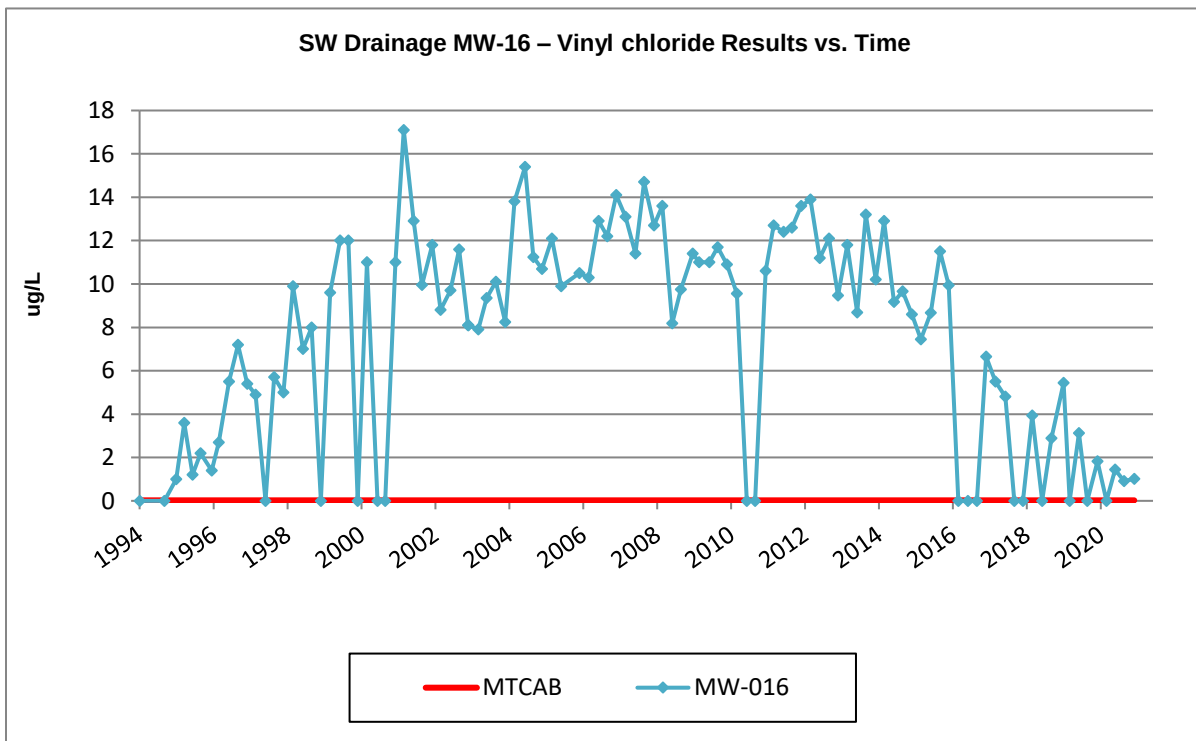


Figure 2-5: SW Monitoring Well MW-16 VC Results vs. Time

SW MW-16 Monitoring Well: Inorganics Time-Series Graphs

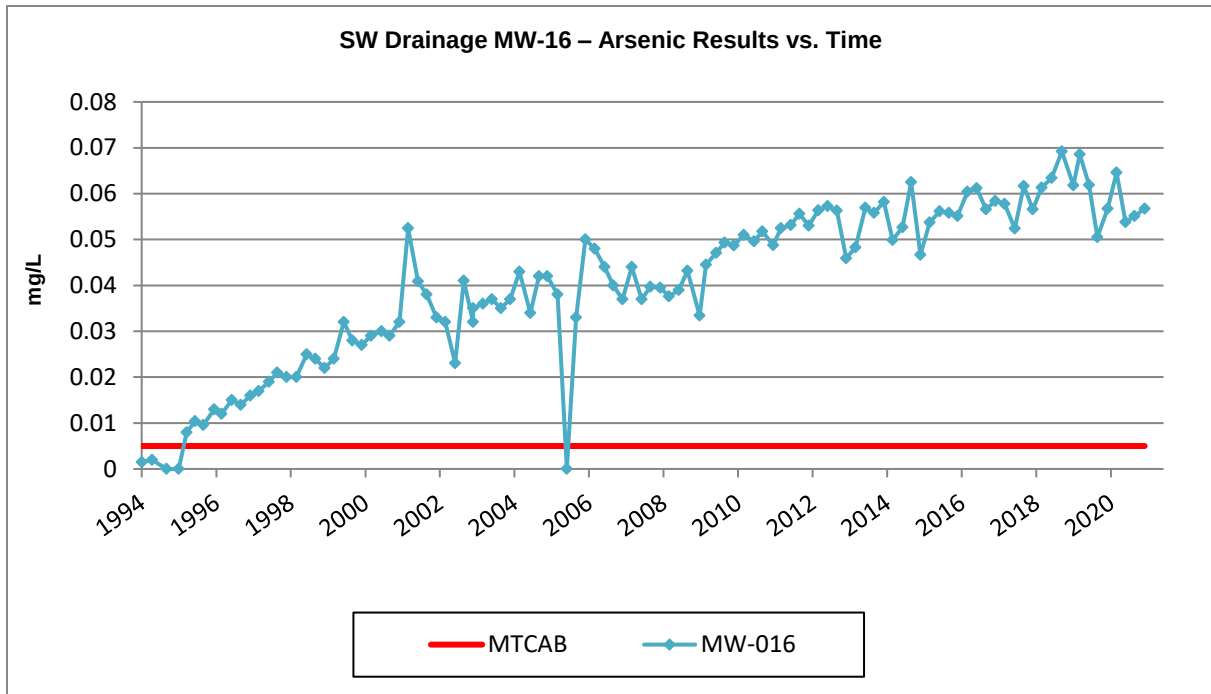


Figure 2-6: SW Monitoring Well MW-16 Arsenic Results vs. Time

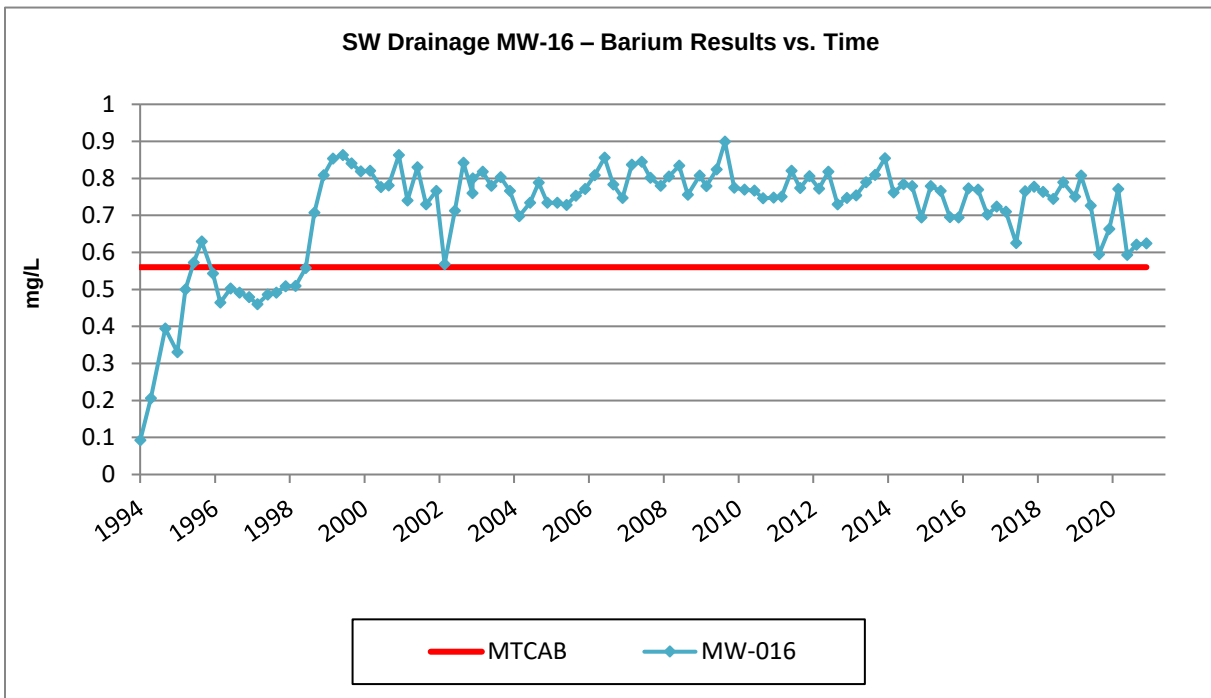


Figure 2-7: SW Monitoring Well MW-16 Barium Results vs. Time

South Drainage Wells: Conventional Time-Series Graphs

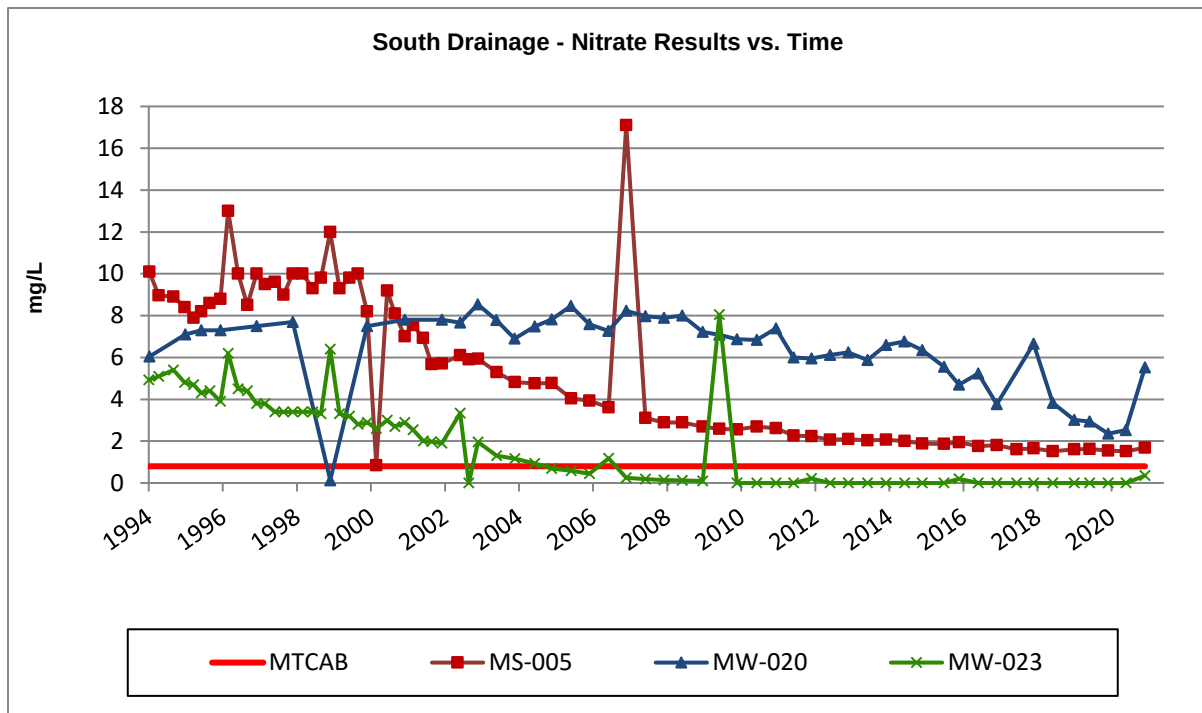


Figure 2-8: South Drainage Monitoring Wells Nitrate Results vs. Time

SE Drainage Wells: Conventional Time-Series Graphs

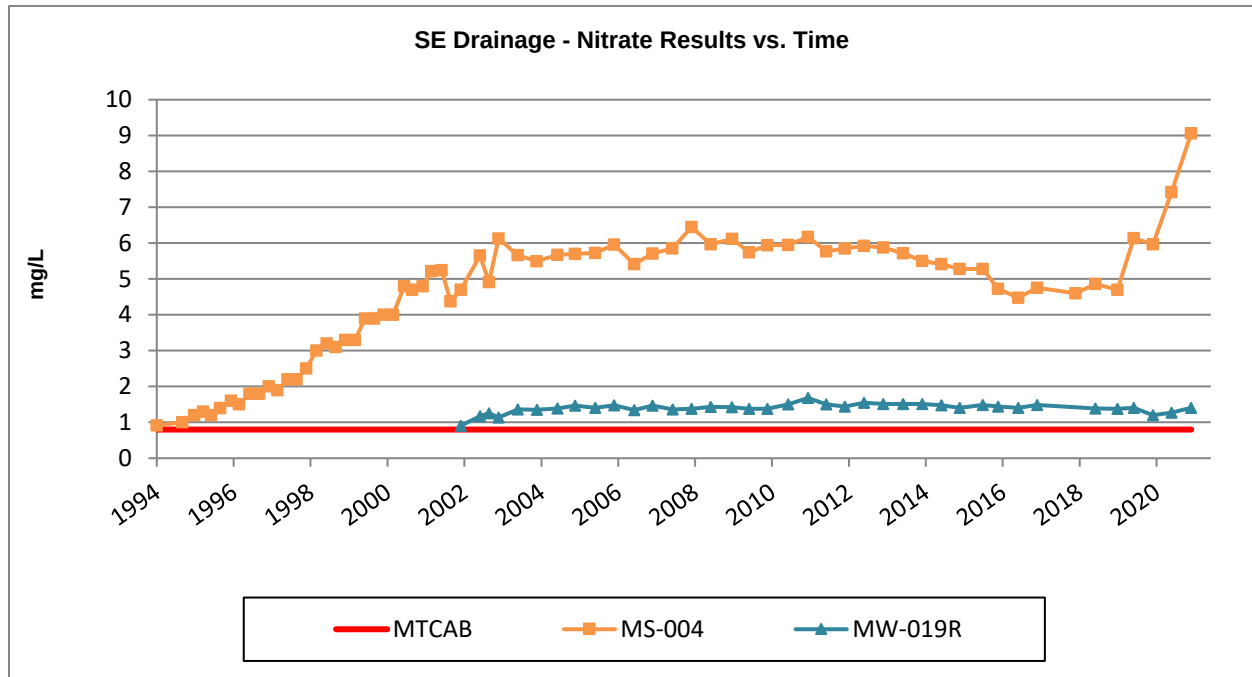


Figure 2-9: Southeast Monitoring Wells Nitrate Results vs. Time

Domestic Wells: Inorganics Time-Series Graphs

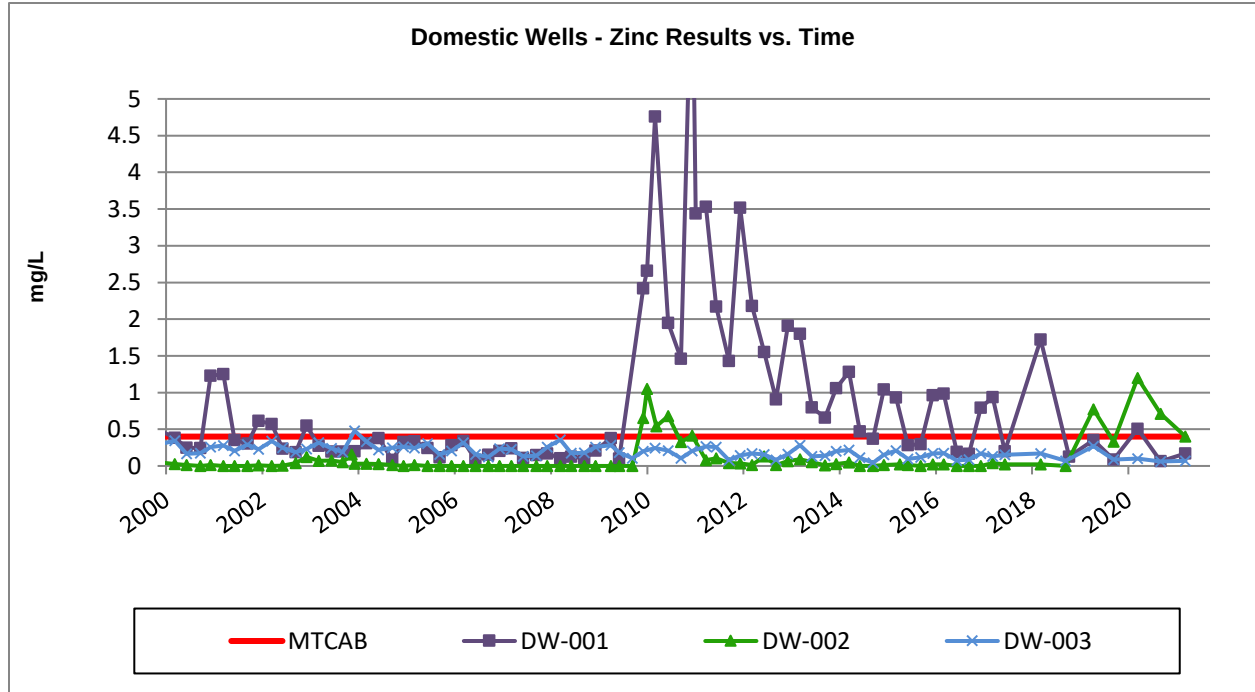


Figure 2-10: Domestic Wells Zinc Results vs. Time

Domestic Wells: Conventional Time-Series Graphs

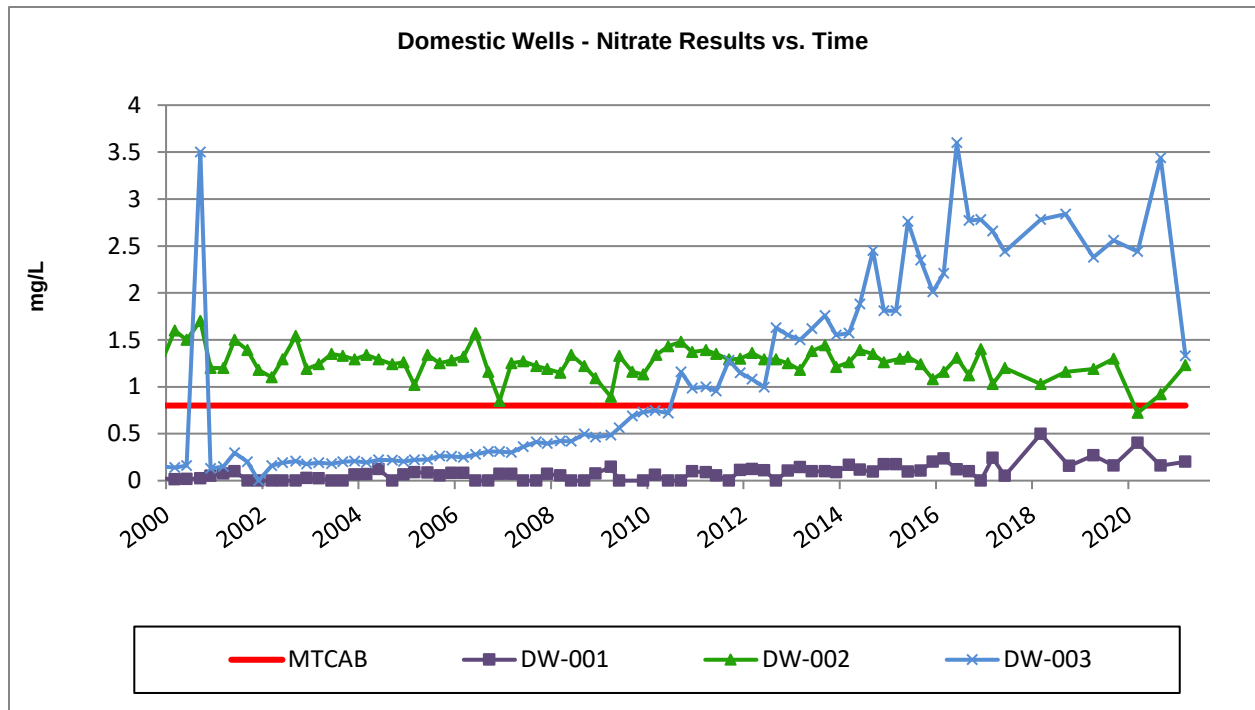


Figure 2-11: Domestic Wells Nitrate Results vs. Time

3 LEACHATE

3.1 LEACHATE DATA

The Mica Landfill Wastewater Permit leachate sampling typically occurs in April and October. Monitoring of flow and pH was performed during this reporting period on a monthly basis. In November 2020, leachate was sampled and analyzed for benzene. Due to a modified wastewater discharge permit, effective November 1, 2020, Spokane County is only required to sample for the Benzene analyte with a maximum allowable discharge limit of less than 0.5 mg/L. Results from this analysis were below criteria. See the Discharge Monitoring Reports in APPENDIX C: GROUNDWATER SAMPLING LABORATORY RESULTS.

3.2 LEACHATE PRODUCTION

Monthly leachate production rates are presented in Table 3-1 along with local precipitation amounts. The total amount of leachate generated at the Mica Landfill from October 2020 through March 2021 was estimated at 2.4 million gallons.

Table 3-1 Leachate Production Summary

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
Total	2,398,218	11.53

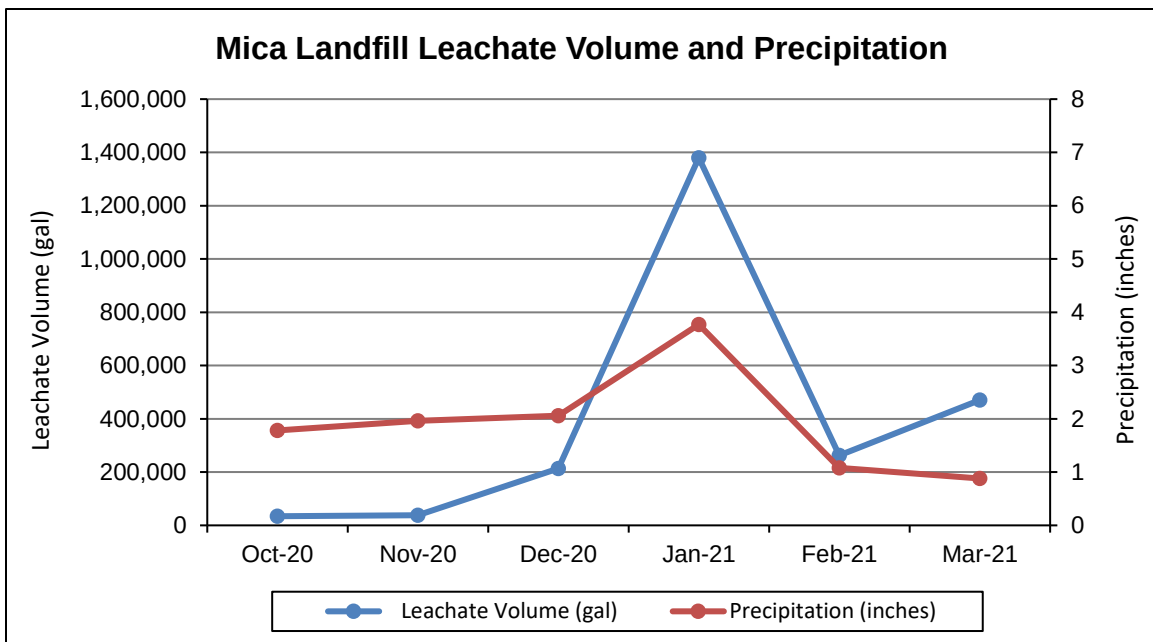


Figure 3-1: Mica Landfill Leachate Volume/Precipitation

APPENDIX A: DATA VALIDATION SUMMARY

Analytical data for the December 2020/March 2021 sampling events were 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 *Mica Landfill Remedial Action Plan (November 2003)*.

Data Qualifier Values for December 2020/March 2021 Sampling Results

StationID	SampleDate	Analyte	AnalyteCat	Units	SampleID	AnalyticalRptLimit	Result	Qualifier

D = Sample diluted during lab analysis

U = Non-detection at the reported detection limit

J = Analyzed value is qualified as an estimate.

There were no laboratory results that were qualified during this reporting period.

APPENDIX B: GROUNDWATER SAMPLING FIELD SHEETS

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/9/2021</u>	WELL ID: <u>DW-1</u>	FIELD TEAM: <u>MT</u> GF, KM
SAMPLE ID: <u>GWDW-001-210309</u>		QA / QC SAMPLE ID: <u> </u>
FIELD CONDITIONS: <u>P. CLOUDY, UPPER 30'S</u>		

START TIME: <u>0900</u>	DEDICATED BLADDER: <u> </u>
SAMPLE TIME: <u>0930</u>	DISPOSABLE BAILER: <u> </u>
QA / QC SAMPLE TIME: <u> </u>	PRIVATE DOMESTIC WELL: <u>X</u>
END TIME: <u>0940</u>	

METER AND PURGING INFORMATION:

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH 100	#445991	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTESTR 11+	24B	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, and 331 NTU
SWL INDICATOR			

TOTAL DEPTH OF WELL: NA

PACKER DEPTH:

STATIC WATER LEVEL:

COLUMN OF WATER:

COLUMN OF WATER ABOVE PACKER:

COLUMN OF WATER BELOW PACKER:

CALCULATIONS:

PACKER INFORMATION:

COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)

PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)	
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE
0907 0907	10.9	6.95	352	CLEAR
0917	11.0	6.96	349	CLEAR
0927	11.0	6.97	349	CLEAR
TURBIDITY: <u>3.79</u>			NTU (meas. in field lab)	

COMMENTS:

MT PURGED WELL / LINES FOR 30 MIN BEFORE SAMPLING.

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWDN-001-210309

SAMPLE TIME: 0930

QA / QC SAMPLE ID: _____

QA / QC SAMPLE TIME: _____

GROUNDWATER SAMPLES		MONITORING WELLS RESIDENTIAL WELLS					
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	Cl / SO4 / TDS / NO3 ALKALINITY	Cl / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)									
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/9/2021</u>	WELL ID: <u>DW-2</u>	FIELD TEAM: <u>MT, GF, KM</u>
SAMPLE ID: <u>GWDW-002-210309</u>	QA / QC SAMPLE ID: <u>—</u>	
FIELD CONDITIONS: <u>P. CLOUDY UPPER 30'S</u>		

START TIME: <u>1000</u>	DEDICATED BLADDER: <u>—</u>
SAMPLE TIME: <u>1020</u>	DISPOSABLE BAILER: <u>—</u>
QA / QC SAMPLE TIME: <u>—</u>	PRIVATE DOMESTIC WELL: <u>X</u>
END TIME: <u>1024</u>	

METER AND PURGING INFORMATION:

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH 100	<u>445991</u>	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTESTR 11+	<u>24B</u>	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU
SWL INDICATOR			

TOTAL DEPTH OF WELL: NA

PACKER DEPTH: —

STATIC WATER LEVEL: —

COLUMN OF WATER: —

COLUMN OF WATER ABOVE PACKER: —

COLUMN OF WATER BELOW PACKER: —

CALCULATIONS:

PACKER INFORMATION:

COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)

PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)	
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>1007</u>	<u>11.4</u>	<u>7.01</u>	<u>301</u>	<u>CLEAR</u>
<u>1015</u>	<u>11.1</u>	<u>7.02</u>	<u>306</u>	<u>CLEAR</u>
<u>1019</u>	<u>10.9</u>	<u>7.01</u>	<u>305</u>	<u>CLEAR</u>
TURBIDITY: <u>0.18</u>				NTU (meas. in field lab)

COMMENTS:

PURGE WELL / LINES FOR 20 MIN BEFORE SAMPLING

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GNDN-002-210309

SAMPLE TIME: 1020

QA / QC SAMPLE ID: _____

QA / QC SAMPLE TIME: _____

GROUNDWATER SAMPLES		MONITORING WELLS						RESIDENTIAL WELLS	
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg VY Zn		
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2		
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS		
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A		
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL		

LEACHATE SAMPLES		COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)						
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/9/2021</u>	WELL ID: <u>DW-3</u>	FIELD TEAM: <u>MT, GF, KM</u>
SAMPLE ID: <u>GWDW-003-210309</u>	QA / QC SAMPLE ID: <u>-</u>	
FIELD CONDITIONS: <u>P CLOUDY Low 40's</u>		

START TIME: 1100
 SAMPLE TIME: 1120
 QA / QC SAMPLE TIME: -
 END TIME: 1124

DEDICATED BLADDER: _____
 DISPOSABLE BAILER: _____
 PRIVATE DOMESTIC WELL: X

METER AND PURGING INFORMATION:

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH 100	<u>445991</u>	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTESTR 11+	<u>24B</u>	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU
SWL INDICATOR			

TOTAL DEPTH OF WELL: 200'PACKER DEPTH: 4.51'STATIC WATER LEVEL: 4.51'

COLUMN OF WATER: _____

COLUMN OF WATER ABOVE PACKER: _____

COLUMN OF WATER BELOW PACKER: _____

CALCULATIONS:

PACKER INFORMATION:

COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)

PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)	
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>1106</u>	<u>10.9</u>	<u>7.21</u>	<u>341</u>	<u>CLEAR</u>
<u>1112</u>	<u>10.8</u>	<u>7.23</u>	<u>347</u>	<u>CLEAR</u>
<u>1118</u>	<u>10.8</u>	<u>7.23</u>	<u>346</u>	<u>CLEAR</u>
			TURBIDITY: <u>0.52</u>	NTU (meas. In field lab)

COMMENTS:

PURGED WELL for 20 MIN BEFORE SAMPLING
TO CLEAN LINES

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GNDN-003-210309

SAMPLE TIME: 1120

QA / QC SAMPLE ID: _____

QA / QC SAMPLE TIME: _____

GROUNDWATER SAMPLES		MONITORING WELLS RESIDENTIAL WELLS									
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn				
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE				
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2				
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS				
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A				
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL				

COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)									
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/9/2021</u>		WELL ID: <u>MS-4</u>		FIELD TEAM: <u>MT</u> GF, KM																																				
SAMPLE ID: <u>GNMS-004-210309</u>			QA / QC SAMPLE ID: <u>—</u>																																					
FIELD CONDITIONS: <u>CLOUDY MID-40S</u>																																								
START TIME: <u>1200</u> SAMPLE TIME: <u>1320</u> QA / QC SAMPLE TIME: <u>—</u> END TIME: <u>1330</u> DEDICATED BLADDER: <u>—</u> DISPOSABLE BAILER: <u>X</u> PRIVATE DOMESTIC WELL: <u>—</u>																																								
METER AND PURGING INFORMATION:																																								
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																					
pH	EXTECH 100	<u>445991</u>	Calibrated to 4, 7 & 10 buffer																																					
CONDUCTIVITY	ECTESTR 11+	<u>24B</u>	Std. to 700 umhos/cm																																					
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU																																					
SWL INDICATOR																																								
TOTAL DEPTH OF WELL: <u>32.0'</u>			CALCULATIONS: $24.39' \times .17 = 4.14 = 4.25 \text{ GAL}$ PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																					
PACKER DEPTH: <u>—</u>																																								
STATIC WATER LEVEL: <u>7.61'</u>																																								
COLUMN OF WATER: <u>24.39'</u>																																								
COLUMN OF WATER ABOVE PACKER: <u>4.14 GAL</u>																																								
COLUMN OF WATER BELOW PACKER: <u>—</u>																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>PARAMETERS:</th> <th>(+/- 10%)</th> <th>(+/- .1)</th> <th>(+/- 10%)</th> <th></th> </tr> <tr> <td>GAL PURGED / TIME</td> <td>TEMP</td> <td>pH</td> <td>CONDUCTIVITY</td> <td>APPEARANCE</td> </tr> <tr> <td><u>4.25 GAL / 1200</u></td> <td><u>10.7</u></td> <td><u>6.99</u></td> <td><u>301</u></td> <td><u>CLOUDY / FROGS (2)</u></td> </tr> <tr> <td><u>5.25 GAL / 1224</u></td> <td><u>10.6</u></td> <td><u>7.04</u></td> <td><u>297</u></td> <td><u>SU CLOUDY</u></td> </tr> <tr> <td colspan="5"><u>PURGE TO INTAKES</u></td> </tr> <tr> <td><u>5.5 GAL / 1315</u></td> <td><u>10.4</u></td> <td><u>7.07</u></td> <td><u>291</u></td> <td><u>CLEAR</u></td> </tr> <tr> <td colspan="3"></td> <td>TURBIDITY: <u>1.29</u></td> <td>NTU (meas. In field lab)</td> </tr> </table>						PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	<u>4.25 GAL / 1200</u>	<u>10.7</u>	<u>6.99</u>	<u>301</u>	<u>CLOUDY / FROGS (2)</u>	<u>5.25 GAL / 1224</u>	<u>10.6</u>	<u>7.04</u>	<u>297</u>	<u>SU CLOUDY</u>	<u>PURGE TO INTAKES</u>					<u>5.5 GAL / 1315</u>	<u>10.4</u>	<u>7.07</u>	<u>291</u>	<u>CLEAR</u>				TURBIDITY: <u>1.29</u>	NTU (meas. In field lab)
PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)																																					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																				
<u>4.25 GAL / 1200</u>	<u>10.7</u>	<u>6.99</u>	<u>301</u>	<u>CLOUDY / FROGS (2)</u>																																				
<u>5.25 GAL / 1224</u>	<u>10.6</u>	<u>7.04</u>	<u>297</u>	<u>SU CLOUDY</u>																																				
<u>PURGE TO INTAKES</u>																																								
<u>5.5 GAL / 1315</u>	<u>10.4</u>	<u>7.07</u>	<u>291</u>	<u>CLEAR</u>																																				
			TURBIDITY: <u>1.29</u>	NTU (meas. In field lab)																																				

COMMENTS:

PURGED TO INTAKES & 5.25 GAL ALLOWED
 TO RECHARGE. THEN SAMPLED
 WL @ MW-21 = 7.22' MW-17 = 19.68'
 MS-6 = 19.82' MW-18 = 17.46'

MICA FIELD DST

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: _____ SAMPLE TIME: _____

QA / QC SAMPLE ID: _____ QA / QC SAMPLE TIME: _____

GROUNDWATER SAMPLES		MONITORING WELLS RESIDENTIAL WELLS					
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	Cl / SO4 / TDS / NO3 ALKALINITY	Cl / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

LEACHATE SAMPLES		COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)								
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)	
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE	
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2	
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS	
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)	
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL	

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/10/2021</u>		WELL ID: <u>M55</u>		FIELD TEAM: MT <u>GF</u> KM	
SAMPLE ID: <u>GWMS-005-210310</u>			QA / QC SAMPLE ID: <u>MWS-1-2-210310</u>		
FIELD CONDITIONS: <u>clear</u> <u>33-35°</u>					
START TIME: <u>0757</u>		DEDICATED BLADDER: ☒			
SAMPLE TIME: <u>0833</u>		DISPOSABLE BAILER: ☐			
QA / QC SAMPLE TIME: <u>0811</u>		PRIVATE DOMESTIC WELL: ☐			
END TIME: <u>0857</u>					

METER AND PURGING INFORMATION:			
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH 100	<u>370573</u>	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTESTR 11+	<u>7810</u>	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU
SWL INDICATOR	<u>Slope Ind</u>	<u>23474</u>	

TOTAL DEPTH OF WELL: <u>53.0'</u> PACKER DEPTH: <u>NA</u> STATIC WATER LEVEL: <u>16.89'</u> COLUMN OF WATER: <u>36.11 + 0.17 = 6.1 use 6.25 gal/vol</u> COLUMN OF WATER ABOVE PACKER: <u>NA</u> COLUMN OF WATER BELOW PACKER: <u>NA</u>	CALCULATIONS: PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
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PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)	
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>6.25 0804</u>	<u>10.7</u>	<u>6.71</u>	<u>315</u>	<u>Clear</u>
<u>12.5 0817</u>	<u>10.6</u>	<u>6.60</u>	<u>315</u>	<u>Clear</u>
<u>18.75 0831</u>	<u>10.6</u>	<u>6.56</u>	<u>314</u>	<u>Clear</u>
			TURBIDITY: <u>0.43</u> NTU (meas. In field lab)	

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: C-WMS-005-210310

SAMPLE TIME: 0833

QA / QC SAMPLE ID: MWS-1-2-210310

QA / QC SAMPLE TIME: 0811

GROUNDWATER SAMPLES		MONITORING WELLS						RESIDENTIAL WELLS	
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn		
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2		
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 48 HRS	28 DAYS / 48 HRS	6 MONTHS		
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A		
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL		
LEACHATE SAMPLES									
COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)									
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3-9-2021</u>		WELL ID: <u>MW-9</u>		FIELD TEAM: MT, GF, KM	
SAMPLE ID: <u>GW-MW-009-210309</u>			QA / QC SAMPLE ID: <u>GW-MW-009-210309 MS</u>		
FIELD CONDITIONS: <u>Partly Cloudy 42° F</u>			<u>GW-MW-009-210309 MSD</u>		
START TIME: <u>1109</u> SAMPLE TIME: <u>1137</u> QA / QC SAMPLE TIME: _____ END TIME: <u>1139</u> DEDICATED BLADDER: <u>*</u> DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: _____					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>421511</u>	Calibrated to 4, 7 & 10 buffer		
CONDUCTIVITY	ECTESTR 11+	<u>461A</u>	Std. to 700 umhos/cm		
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU		
SWL INDICATOR					
TOTAL DEPTH OF WELL: <u>25.18</u>			CALCULATIONS: <u>COW x 0.17 = 3.5 gallons</u> PACKER INFORMATION: <u>COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)</u>		
PACKER DEPTH: _____					
STATIC WATER LEVEL: <u>4.31</u>					
COLUMN OF WATER: <u>20.87</u>					
COLUMN OF WATER ABOVE PACKER: _____					
COLUMN OF WATER BELOW PACKER: _____					
PARAMETERS:					
GAL PURGED / TIME		TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>3.5 → 1117</u>		<u>6.0</u>	<u>7.16</u>	<u>388</u>	<u>a little cloudy</u>
<u>7 → 1125</u>		<u>5.7</u>	<u>7.18</u>	<u>394</u>	<u>a little cloudy</u>
<u>10.5 → 1133</u>		<u>5.6</u>	<u>7.18</u>	<u>397</u>	<u>a little cloudy</u>
				TURBIDITY: <u>1.36</u> NTU (meas. in field lab)	

COMMENTS:

MICA FIELD ST

1036 44

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMMW-009-210309 SAMPLE TIME: 1137

QA / QC SAMPLE ID: GWMMW-009-210309 MS/MSD QA / QC SAMPLE TIME: _____

GROUNDWATER SAMPLES		MONITORING WELLS							RESIDENTIAL WELLS	
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	Cl / SO4 / TDS / NO3 ALKALINITY	Cl / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn			
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY-BOTTLE			
PRESERVATION:	HCl pH<2 14 DAYS	UNPRESERVED 7 DAYS TO	H2SO4 pH<2 28 DAYS	H2SO4 pH<2 28 DAYS	UNPRESERVED 28 DAYS / 28 DAYS	UNPRESERVED 28 DAYS / 48 HRS	HNO3 (TOTAL) pH<2 6 MONTHS			
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A			
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL			
LEACHATE SAMPLES		COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)								
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)	
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE	
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2	
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS	
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)	
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL	

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/9/2021</u>		WELL ID: <u>MW-10</u>		FIELD TEAM: MT, GF, <u>KM</u>																																				
SAMPLE ID: <u>GW-MW-010-210309</u>			QA / QC SAMPLE ID: _____																																					
FIELD CONDITIONS: <u>Partly Cloudy 36°F</u>																																								
START TIME: <u>0940</u>		DEDICATED BLADDER: <u>*</u>																																						
SAMPLE TIME: <u>1105</u>		DISPOSABLE BAILER: _____																																						
QA / QC SAMPLE TIME: <u>—</u>		PRIVATE DOMESTIC WELL: _____																																						
END TIME: <u>1107</u>																																								
METER AND PURGING INFORMATION:																																								
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																					
pH	EXTECH 100	<u>421511</u>	Calibrated to 4, 7 & 10 buffer																																					
CONDUCTIVITY	ECTESTR 11+	<u>46A</u>	Std. to 700 umhos/cm																																					
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU																																					
SWL INDICATOR																																								
TOTAL DEPTH OF WELL: <u>63.18</u>			CALCULATIONS: $16.18 \times .17 = 2.77 = 3 \text{ gal}$ PACKER INFORMATION: $\text{COW} \times .433 \times 1.25 + 30 = \text{PACKER INFLATION (PSI)}$ <u>53.5 = 55 PSI</u>																																					
PACKER DEPTH: <u>47.00</u>																																								
STATIC WATER LEVEL: <u>3.50</u>																																								
COLUMN OF WATER: _____																																								
COLUMN OF WATER ABOVE PACKER: <u>43.5</u>																																								
COLUMN OF WATER BELOW PACKER: <u>16.18</u>																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>PARAMETERS:</th> <th>(+/- 10%)</th> <th>(+/- .1)</th> <th>(+/- 10%)</th> <th></th> </tr> <tr> <td>GAL PURGED / TIME</td> <td>TEMP</td> <td>pH</td> <td>CONDUCTIVITY</td> <td>APPEARANCE</td> </tr> <tr> <td><u>3 gal - 1008</u></td> <td><u>8.4</u></td> <td>10.75 <u>7.35</u></td> <td><u>168.8</u></td> <td><u>Clear</u></td> </tr> <tr> <td><u>6 gal - 1036</u></td> <td><u>8.5</u></td> <td><u>7.37</u></td> <td><u>169.4</u></td> <td><u>↓</u></td> </tr> <tr> <td><u>9 gal - 1103</u></td> <td><u>8.5</u></td> <td><u>7.37</u></td> <td><u>170.1</u></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="3">TURBIDITY: <u>0.46</u></td> <td colspan="2">NTU (meas. In field lab)</td> </tr> </table>						PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	<u>3 gal - 1008</u>	<u>8.4</u>	10.75 <u>7.35</u>	<u>168.8</u>	<u>Clear</u>	<u>6 gal - 1036</u>	<u>8.5</u>	<u>7.37</u>	<u>169.4</u>	<u>↓</u>	<u>9 gal - 1103</u>	<u>8.5</u>	<u>7.37</u>	<u>170.1</u>							TURBIDITY: <u>0.46</u>			NTU (meas. In field lab)	
PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)																																					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																				
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<u>9 gal - 1103</u>	<u>8.5</u>	<u>7.37</u>	<u>170.1</u>																																					
TURBIDITY: <u>0.46</u>			NTU (meas. In field lab)																																					

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: 64WAW-010-210309

SAMPLE TIME: 1105

QA / QC SAMPLE ID:

QA / QC SAMPLE TIME:

GROUNDWATER SAMPLES		MONITORING WELLS						RESIDENTIAL WELLS	
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	Cl / SO4 / TDS / NO3 ALKALINITY	Cl / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn		
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2		
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS		
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A		
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL		

COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)									
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/9/2021</u>		WELL ID: <u>MW 13</u>		FIELD TEAM: MT <u>GF</u> KM																																											
SAMPLE ID: <u>GWMW-013-2103</u>			QA / QC SAMPLE ID: <u>NA</u>																																												
FIELD CONDITIONS: <u>mostly clear, 38°</u>																																															
START TIME: <u>0937</u>		DEDICATED BLADDER: ☒																																													
SAMPLE TIME: <u>1031</u>		DISPOSABLE BAILER: ☐																																													
QA / QC SAMPLE TIME: <u>NA</u>		PRIVATE DOMESTIC WELL: ☐																																													
END TIME: <u>1039</u>																																															
METER AND PURGING INFORMATION:																																															
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																												
pH	EXTECH 100	<u>370573</u>	Calibrated to 4, 7 & 10 buffer																																												
CONDUCTIVITY	ECTESTR 11+	<u>7810</u>	Std. to 700 umhos/cm																																												
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU																																												
SWL INDICATOR	<u>Slope Ind</u>	<u>23474</u>																																													
TOTAL DEPTH OF WELL: <u>84.44</u>		CALCULATIONS: <u>25.44 * 0.17 = 4.3 gal use 4.5</u> PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI) <u>51 psi</u>																																													
PACKER DEPTH: <u>59.0'</u>																																															
STATIC WATER LEVEL: <u>21.72</u>																																															
COLUMN OF WATER: <u>NA</u>																																															
COLUMN OF WATER ABOVE PACKER: <u>37.28'</u>																																															
COLUMN OF WATER BELOW PACKER: <u>25.44</u>																																															
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PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)																																											
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			TURBIDITY: <u>0.72</u>	NTU (meas. In field lab)																																											

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-013-210309

SAMPLE TIME: 1031

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: NA

GROUNDWATER SAMPLES		MONITORING WELLS						RESIDENTIAL WELLS			
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn				
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE				
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2				
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 48 HRS	28 DAYS / 48 HRS	6 MONTHS				
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A				
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL				

COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)									
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/9/2021</u>		WELL ID: <u>MW 14</u>		FIELD TEAM: MT <u>GF, KM</u>	
SAMPLE ID: <u>GWMW-014-210309</u>			QA / QC SAMPLE ID: <u>NA</u>		
FIELD CONDITIONS: <u>ptly clay, 32°-</u>					
START TIME: <u>0740</u> SAMPLE TIME: <u>0801</u> QA / QC SAMPLE TIME: <u>NA</u> END TIME: <u>0807</u> DEDICATED BLADDER: ☒ DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: _____					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>370573</u>	Calibrated to 4, 7 & 10 buffer		
CONDUCTIVITY	ECTESTR 11+	<u>7810</u>	Std. to 700 umhos/cm		
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU		
SWL INDICATOR	<u>Slope Ind.</u>	<u>23474</u>			
TOTAL DEPTH OF WELL: <u>55.36</u>			CALCULATIONS: <u>15.86 * 0.17 = 2.7 gal/vol</u> <u>use 3.0 gal/vol</u> PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI) <u>51 psi</u>		
PACKER DEPTH: <u>39.5</u>					
STATIC WATER LEVEL: <u>0.0</u>					
COLUMN OF WATER: <u>55.36</u>					
COLUMN OF WATER ABOVE PACKER: <u>39.5'</u>					
COLUMN OF WATER BELOW PACKER: <u>15.86'</u>					
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
<u>3</u>	<u>9.4</u>	<u>7.08</u>	<u>143</u>	<u>clear</u>	
<u>6</u>	<u>9.2</u>	<u>7.05</u>	<u>142</u>	<u>clear</u>	
<u>9</u>	<u>9.1</u>	<u>7.10</u>	<u>141</u>	<u>clear</u>	
			TURBIDITY: <u>2.54</u> NTU (meas. in field lab)		

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GW-014-2103

SAMPLE TIME: 0801

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: NA

GROUNDWATER SAMPLES		MONITORING WELLS RESIDENTIAL WELLS									
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn				
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE				
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2				
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS				
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A				
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL				

LEACHATE SAMPLES

COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)

PARAMETERS:	VOC'S	FOG	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3-10-2021</u>	WELL ID: <u>MW-16</u>	FIELD TEAM: <u>MT, GF, KM</u>
SAMPLE ID: <u>GWMW-016-210310</u>	QA / QC SAMPLE ID: <u>—</u>	
FIELD CONDITIONS: <u>Mostly cloudy / Fog</u> <u>31°F</u> <u>Eastern wind 3-5 mph</u>		
START TIME: <u>0826</u> DEDICATED BLADDER: <u>*</u> SAMPLE TIME: <u>0913</u> DISPOSABLE BAILER: <u>—</u> QA / QC SAMPLE TIME: <u>—</u> PRIVATE DOMESTIC WELL: <u>—</u> END TIME: <u>0918</u>		

METER AND PURGING INFORMATION:

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH 100	<u>421511</u>	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTESTR 11+	<u>46A</u>	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU
SWL INDICATOR			

TOTAL DEPTH OF WELL: 93.42PACKER DEPTH: 73.00STATIC WATER LEVEL: 18.9COLUMN OF WATER: —COLUMN OF WATER ABOVE PACKER: 54.1COLUMN OF WATER BELOW PACKER: —

CALCULATIONS:

3.5 gallons

PACKER INFORMATION:

COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)

58 psi

PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)	
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>3.5 gal → 0836</u>	<u>11.0</u>	<u>6.88</u>	<u>1580</u>	<u>Clear</u>
<u>7.0 gal → 0900</u>	<u>10.9</u>	<u>6.87</u>	<u>1578</u>	<u>↓</u>
<u>10.5 gal → 0910</u>	<u>10.87</u>	<u>6.88</u>	<u>1576</u>	<u>↓</u>
			TURBIDITY: <u>0.95</u>	NTU (meas. In field lab)

COMMENTS: * I had some equipment issues halfway through, but got it going again at 0854

MICA FIELD ST

MS 2 → 12.38"

0.95

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-010-210310

SAMPLE TIME: 09/13

QA / QC SAMPLE ID: _____

QA / QC SAMPLE TIME: _____

GROUNDWATER SAMPLES		MONITORING WELLS										RESIDENTIAL WELLS	
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	Cl / SO4 / TDS / NO3 ALKALINITY	Cl / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn						
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE						
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2						
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS						
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A						
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL						

COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)									
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/9/2021</u>		WELL ID: <u>MW-19R</u>		FIELD TEAM: <u>MT, GF, KM</u>																																				
SAMPLE ID: <u>GW MW-19R-210309</u>			QA / QC SAMPLE ID: <u>—</u>																																					
FIELD CONDITIONS: <u>Partly Cloudy 35°F</u>																																								
START TIME: <u>0900</u> SAMPLE TIME: <u>1327</u> QA / QC SAMPLE TIME: <u>—</u> END TIME: <u>1330</u> DEDICATED BLADDER: <u>*</u> DISPOSABLE BAILER: <u>—</u> PRIVATE DOMESTIC WELL: <u>—</u>																																								
METER AND PURGING INFORMATION:																																								
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																					
pH	EXTECH 100	<u>421511</u>	Calibrated to 4, 7 & 10 buffer																																					
CONDUCTIVITY	ECTESTR 11+	<u>46A</u>	Std. to 700 umhos/cm																																					
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU																																					
SWL INDICATOR																																								
TOTAL DEPTH OF WELL: <u>80.00 85.35</u>			CALCULATIONS: <u>COW x .17 = 6.2</u> <u>6.5 gallons</u> PACKER INFORMATION: COW x .433 x 1.25 + 30 = PACKER INFLATION (PSI)																																					
PACKER DEPTH: <u>—</u>																																								
STATIC WATER LEVEL: <u>48.91</u>																																								
COLUMN OF WATER: <u>36.44</u>																																								
COLUMN OF WATER ABOVE PACKER: <u>—</u>																																								
COLUMN OF WATER BELOW PACKER: <u>—</u>																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>PARAMETERS:</th> <th>(+/- 10%)</th> <th>(+/- .1)</th> <th>(+/- 10%)</th> <th></th> </tr> <tr> <td>GAL PURGED / TIME</td> <td>TEMP</td> <td>pH</td> <td>CONDUCTIVITY</td> <td>APPEARANCE</td> </tr> <tr> <td><u>6.5 / 0910</u></td> <td><u>10.8</u></td> <td><u>6.72</u></td> <td><u>244</u></td> <td><u>Clear</u></td> </tr> <tr> <td><u>13 / 0927</u></td> <td><u>10.7</u></td> <td><u>6.71</u></td> <td><u>242</u></td> <td><u>Clear</u></td> </tr> <tr> <td><u>19.5 / 1325</u></td> <td><u>10.1</u></td> <td><u>6.80</u></td> <td><u>236</u></td> <td><u>Clear</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="3">TURBIDITY: <u>7.20</u></td> <td colspan="2">NTU (meas. In field lab)</td> </tr> </table>						PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	<u>6.5 / 0910</u>	<u>10.8</u>	<u>6.72</u>	<u>244</u>	<u>Clear</u>	<u>13 / 0927</u>	<u>10.7</u>	<u>6.71</u>	<u>242</u>	<u>Clear</u>	<u>19.5 / 1325</u>	<u>10.1</u>	<u>6.80</u>	<u>236</u>	<u>Clear</u>						TURBIDITY: <u>7.20</u>			NTU (meas. In field lab)	
PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)																																					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																				
<u>6.5 / 0910</u>	<u>10.8</u>	<u>6.72</u>	<u>244</u>	<u>Clear</u>																																				
<u>13 / 0927</u>	<u>10.7</u>	<u>6.71</u>	<u>242</u>	<u>Clear</u>																																				
<u>19.5 / 1325</u>	<u>10.1</u>	<u>6.80</u>	<u>236</u>	<u>Clear</u>																																				
TURBIDITY: <u>7.20</u>			NTU (meas. In field lab)																																					

1313

COMMENTS: * Purged Dry then came back at 1310 for last Parameters

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-019R-210306

SAMPLE TIME: 1327

QA / QC SAMPLE ID: _____

QA / QC SAMPLE TIME: _____

GROUNDWATER SAMPLES		MONITORING WELLS										RESIDENTIAL WELLS	
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	Cl / SO4 / TDS / NO3 ALKALINITY	Cl / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn						
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE						
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2						
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS						
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0	7060A / 6010B / 7470A						
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL						

COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)									
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3-9-2021</u>		WELL ID: <u>100 MW-20</u>		FIELD TEAM: MT, GF, KM	
SAMPLE ID: <u>GWMW-020-210309</u>			QA / QC SAMPLE ID: <u>—</u>		
FIELD CONDITIONS: <u>Partly Cloudy too Mostly Cloudy 45°F 7 mph SW wind</u>					
START TIME: <u>1215</u>		DEDICATED BLADDER: <u>*</u>			
SAMPLE TIME: <u>1259</u>		DISPOSABLE BAILER: <u>—</u>			
QA / QC SAMPLE TIME: <u>—</u>		PRIVATE DOMESTIC WELL: <u>—</u>			
END TIME: <u>1304</u>					

METER AND PURGING INFORMATION:			
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH 100	<u>421511</u>	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTESTR 11+	<u>46A</u>	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU
SWL INDICATOR			

TOTAL DEPTH OF WELL: <u>141.55</u> PACKER DEPTH: <u>116.00</u> STATIC WATER LEVEL: <u>63.00</u> COLUMN OF WATER: <u>—</u> COLUMN OF WATER ABOVE PACKER: <u>53.00</u> COLUMN OF WATER BELOW PACKER: <u>25.55</u>	CALCULATIONS: <u>4.5 gallons</u> PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI) <u>60 psi</u>
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PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)	
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>4.5 gal - 1234</u>	<u>10.3</u>	<u>7.30</u>	<u>500</u>	<u>a little cloudy</u>
<u>9.0 gal - 1245</u>	<u>10.2</u>	<u>7.29</u>	<u>501</u>	<u>a little Cloudy</u>
<u>13.5 gal - 1256</u>	<u>10.2</u>	<u>7.31</u>	<u>500</u>	<u>a little Cloudy</u>
			TURBIDITY: <u>9.99</u>	NTU (meas. In field lab)

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWAW-020-210309

SAMPLE TIME: 1259

QA / QC SAMPLE ID:

QA / QC SAMPLE TIME:

GROUNDWATER SAMPLES		MONITORING WELLS RESIDENTIAL WELLS									
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	Cl / SO4 / TDS / NO3 ALKALINITY	Cl / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn				
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE				
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2				
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS				
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0	7060A / 6010B / 7470A				
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL				
LEACHATE SAMPLES											
COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)											
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)		
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2		
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS		
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)		
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL		

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3-10-21</u>		WELL ID: <u>MW 23</u>		FIELD TEAM: <u>MT, GF, KM</u>																																											
SAMPLE ID: <u>GWMW-023-210310</u>			QA / QC SAMPLE ID: <u>MWS-1-1-210310</u>																																												
FIELD CONDITIONS: <u>Clear</u>																																															
START TIME: <u>0923</u>		DEDICATED BLADDER: ☒																																													
SAMPLE TIME: <u>1005</u>		DISPOSABLE BAILER: ☐																																													
QA / QC SAMPLE TIME: <u>0951</u>		PRIVATE DOMESTIC WELL: ☐																																													
END TIME: <u>1020</u>																																															
METER AND PURGING INFORMATION:																																															
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																												
pH	EXTECH 100	<u>370573</u>	Calibrated to 4, 7 & 10 buffer																																												
CONDUCTIVITY	ECTESTR 11+	<u>7810</u>	Std. to 700 umhos/cm																																												
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU																																												
SWL INDICATOR	<u>Slope Ind</u>	<u>23474</u>																																													
TOTAL DEPTH OF WELL: <u>58.09</u>			CALCULATIONS: PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																												
PACKER DEPTH: <u>NA</u>																																															
STATIC WATER LEVEL: <u>20.33</u>																																															
COLUMN OF WATER: <u>37.76 * 0.17 = 6.4 use 6.5 gal/vol</u>																																															
COLUMN OF WATER ABOVE PACKER: <u>NA</u>																																															
COLUMN OF WATER BELOW PACKER: <u>NA</u>																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">PARAMETERS:</th> <th>(+/- 10%)</th> <th>(+/- .1)</th> <th>(+/- 10%)</th> <th></th> </tr> <tr> <th>GAL PURGED / TIME</th> <th>TEMP</th> <th>pH</th> <th>CONDUCTIVITY</th> <th colspan="2">APPEARANCE</th> </tr> <tr> <td><u>6.5</u></td> <td><u>10.7</u></td> <td><u>6.67</u></td> <td><u>720</u></td> <td colspan="2"><u>Clear</u></td> </tr> <tr> <td><u>13.0</u></td> <td><u>10.5</u></td> <td><u>6.93</u></td> <td><u>726</u></td> <td colspan="2"><u>Clear</u></td> </tr> <tr> <td><u>18.5</u></td> <td><u>10.6</u></td> <td><u>6.99</u></td> <td><u>732</u></td> <td colspan="2"><u>Clear</u></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="3"></td> <td colspan="3">TURBIDITY: NTU (meas. In field lab)</td> </tr> </table>						PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE		<u>6.5</u>	<u>10.7</u>	<u>6.67</u>	<u>720</u>	<u>Clear</u>		<u>13.0</u>	<u>10.5</u>	<u>6.93</u>	<u>726</u>	<u>Clear</u>		<u>18.5</u>	<u>10.6</u>	<u>6.99</u>	<u>732</u>	<u>Clear</u>											TURBIDITY: NTU (meas. In field lab)		
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GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																											
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<u>18.5</u>	<u>10.6</u>	<u>6.99</u>	<u>732</u>	<u>Clear</u>																																											
			TURBIDITY: NTU (meas. In field lab)																																												

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GW-MW-023-210310

SAMPLE TIME: 1005

QA / QC SAMPLE ID: MWS-1-1-210310

QA / QC SAMPLE TIME: 0951

GROUNDWATER SAMPLES		MONITORING WELLS RESIDENTIAL WELLS					
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 48 HRS	28 DAYS / 48 HRS	6 MONTHS
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0	7060A / 6010B / 7470A
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

LEACHATE SAMPLES	
------------------	--

COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)									
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/9/2021</u>	WELL ID: <u>MW 29</u>	FIELD TEAM: <u>MT, GF, KM</u>
SAMPLE ID: <u>GWMW-029-2103</u>		QA / QC SAMPLE ID: <u>NA</u>
FIELD CONDITIONS: <u>mostly clear, 39°</u>		

START TIME: <u>1051</u>	DEDICATED BLADDER: ☒
SAMPLE TIME: <u>1133</u>	DISPOSABLE BAILER: ☐
QA / QC SAMPLE TIME: <u>NA</u>	PRIVATE DOMESTIC WELL: ☐
END TIME: <u>1140</u>	

METER AND PURGING INFORMATION:

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH 100	<u>370573</u>	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTESTR 11+	<u>7810</u>	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU
SWL INDICATOR	<u>Slope Ind</u>	<u>23474</u>	

TOTAL DEPTH OF WELL: <u>61.5</u>	CALCULATIONS: <u>26.49 * 0.17 = 4.503 use 4.75g</u> PACKER INFORMATION: <u>NA</u> COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
PACKER DEPTH: <u>NA</u>	
STATIC WATER LEVEL: <u>35.01</u>	
COLUMN OF WATER: <u>26.49</u>	
COLUMN OF WATER ABOVE PACKER: <u>NA</u>	
COLUMN OF WATER BELOW PACKER: <u>NA</u>	

PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)	
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>4.0 1050</u>	<u>9.2</u>	<u>6.25</u>	<u>633</u>	<u>clear</u>
<u>6.0 1101</u>	<u>9.3</u>	<u>6.23</u>	<u>637</u>	<u>clear</u>
<u>8.0 1110</u>	<u>9.2</u>	<u>6.27</u>	<u>640</u>	<u>clear</u>
<u>Final 1132</u>	<u>9.2</u>	<u>6.30</u>	<u>632</u>	<u>clear</u>
			TURBIDITY: <u>0.80</u>	NTU (meas. in field lab)

COMMENTS: Pumped well dry, allowed it to recharge, then sampled

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: Gwmw-029-210309

SAMPLE TIME: 1133

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: NA

GROUNDWATER SAMPLES				MONITORING WELLS				RESIDENTIAL WELLS			
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn				
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE				
PRESERVATION:	HCl pH<2 14 DAYS	UNPRESERVED 7 DAYS TO	H2SO4 pH<2 28 DAYS	H2SO4 pH<2 28 DAYS	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2 6 MONTHS				
METHODS:	8260C	8270	415.1	350.1	28 DAYS / 28 DAYS 300.0 / 300.0 / 160.1 300.0 / 310.1	28 DAYS / 48 HRS 300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A				
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL				

COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)									
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/9/2021</u>		WELL ID: <u>Mw 31</u>		FIELD TEAM: MT <u>Gr</u> KM																																											
SAMPLE ID: <u>GWMW-031-2103</u>			QA / QC SAMPLE ID: <u>NA</u>																																												
FIELD CONDITIONS: <u>mstly clear, 34°</u>																																															
START TIME: <u>0824</u>		DEDICATED BLADDER: ☒																																													
SAMPLE TIME: <u>0841</u>		DISPOSABLE BAILER: ☐																																													
QA / QC SAMPLE TIME: <u>NA</u>		PRIVATE DOMESTIC WELL: ☐																																													
END TIME: <u>0847</u>																																															
METER AND PURGING INFORMATION:																																															
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																												
pH	EXTECH 100	<u>370573</u>	Calibrated to 4, 7 & 10 buffer																																												
CONDUCTIVITY	ECTESTR 11+	<u>7810</u>	Std. to 700 umhos/cm																																												
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU																																												
SWL INDICATOR	<u>Slope Ind.</u>	<u>23474</u>																																													
TOTAL DEPTH OF WELL: <u>19.0'</u>		CALCULATIONS: <u>$13.98 \times 0.17 = 2.4$ use 3.0g/vol</u> PACKER INFORMATION: <u>$COW \times .433 \times 1.25 + 30 =$ PACKER INFLATION (PSI)</u>																																													
PACKER DEPTH: <u>NA</u>																																															
STATIC WATER LEVEL: <u>5.02</u>																																															
COLUMN OF WATER: <u>13.98</u>																																															
COLUMN OF WATER ABOVE PACKER: _____																																															
COLUMN OF WATER BELOW PACKER: _____																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">PARAMETERS:</th> <th>(+/- 10%)</th> <th>(+/- .1)</th> <th>(+/- 10%)</th> <th></th> </tr> <tr> <th>GAL PURGED / TIME</th> <th>TEMP</th> <th>pH</th> <th>CONDUCTIVITY</th> <th colspan="2">APPEARANCE</th> </tr> <tr> <td><u>3</u> <u>0827</u></td> <td><u>6.0</u></td> <td><u>6.68</u></td> <td><u>116</u></td> <td colspan="2"><u>slit tan</u></td> </tr> <tr> <td><u>6</u> <u>0831</u></td> <td><u>6.0</u></td> <td><u>6.70</u></td> <td><u>113</u></td> <td colspan="2"><u>very slit tan</u></td> </tr> <tr> <td><u>9</u> <u>0839</u></td> <td><u>6.0</u></td> <td><u>6.69</u></td> <td><u>114</u></td> <td colspan="2"><u>mstly clear</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td colspan="2"> </td> </tr> <tr> <td colspan="3">TURBIDITY: <u>5.45</u></td> <td colspan="3">NTU (meas. In field lab)</td> </tr> </table>						PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE		<u>3</u> <u>0827</u>	<u>6.0</u>	<u>6.68</u>	<u>116</u>	<u>slit tan</u>		<u>6</u> <u>0831</u>	<u>6.0</u>	<u>6.70</u>	<u>113</u>	<u>very slit tan</u>		<u>9</u> <u>0839</u>	<u>6.0</u>	<u>6.69</u>	<u>114</u>	<u>mstly clear</u>								TURBIDITY: <u>5.45</u>			NTU (meas. In field lab)		
PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)																																											
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																											
<u>3</u> <u>0827</u>	<u>6.0</u>	<u>6.68</u>	<u>116</u>	<u>slit tan</u>																																											
<u>6</u> <u>0831</u>	<u>6.0</u>	<u>6.70</u>	<u>113</u>	<u>very slit tan</u>																																											
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TURBIDITY: <u>5.45</u>			NTU (meas. In field lab)																																												

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: 6WMW-031-210309

SAMPLE TIME: 0841

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: NA

GROUNDWATER SAMPLES		MONITORING WELLS				RESIDENTIAL WELLS			
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn		
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2 14 DAYS	UNPRESERVED 7 DAYS TO	H2SO4 pH<2 28 DAYS	H2SO4 pH<2 28 DAYS	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2		
HOLDING TIME:	8260C	8270	415.1	350.1	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS		
METHODS:					300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A		
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL		
LEACHATE SAMPLES									
COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)									
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	H2SO4 pH <2	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:	EPA 624	EPA 1664A	EPA 1664A SGT HEM	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

APPENDIX C: GROUNDWATER SAMPLING LABORATORY RESULTS



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

Work Order: **X1C0188**
Reported: 25-Mar-21 18:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWDW-001-210309	X1C0188-01	Ground Water	09-Mar-21 09:30	KM/GF/ MT	10-Mar-2021	
GWDW-002-210309	X1C0188-02	Ground Water	09-Mar-21 10:20	KM/GF/ MT	10-Mar-2021	
GWDW-003-210309	X1C0188-03	Ground Water	09-Mar-21 11:20	KM/GF/ MT	10-Mar-2021	
GWMS-004-210309	X1C0188-04	Ground Water	09-Mar-21 13:20	KM/GF/ MT	10-Mar-2021	
GWMW-009-210309	X1C0188-05	Ground Water	09-Mar-21 11:37	KM/GF/ MT	10-Mar-2021	
GWMW-010-210309	X1C0188-06	Ground Water	09-Mar-21 11:05	KM/GF/ MT	10-Mar-2021	
GWMW-013-210309	X1C0188-07	Ground Water	09-Mar-21 10:31	KM/GF/ MT	10-Mar-2021	
GWMW-014-210309	X1C0188-08	Ground Water	09-Mar-21 08:01	KM/GF/ MT	10-Mar-2021	
GWMW-019R-210309	X1C0188-09	Ground Water	09-Mar-21 13:27	KM/GF/ MT	10-Mar-2021	
GWMW-020-210309	X1C0188-10	Ground Water	09-Mar-21 12:59	KM/GF/ MT	10-Mar-2021	
GWMW-029-210309	X1C0188-11	Ground Water	09-Mar-21 11:33	KM/GF/ MT	10-Mar-2021	
GWMW-031-210309	X1C0188-12	Ground Water	09-Mar-21 08:41	KM/GF/ MT	10-Mar-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.

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

Case Narrative: X1C0188

SVL is not certified for Mercury 7470A in Washington.



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

Work Order: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWDW-001-210309**

Sampled: 09-Mar-21 09:30

SVL Sample ID: **X1C0188-01 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 08:40	
-----------	---------	------------	------	----------	----------	--	---------	----	----------------	--

Metals (Total Recoverable)

EPA 6010D	Barium	0.0184	mg/L	0.0040	0.0019		X112047	AS	03/23/21 09:30	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 09:30	
EPA 6010D	Manganese	0.0171	mg/L	0.0080	0.0034		X112047	AS	03/23/21 09:30	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 09:30	
EPA 6010D	Zinc	0.169	mg/L	0.0100	0.0054		X112047	AS	03/23/21 09:30	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 13:46	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 14:39	
SM 2320 B	Total Alkalinity	155	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 15:39	
SM 2320 B	Bicarbonate	155	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 15:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 15:39	
SM 5310B	Total Organic Carbon	1.04	mg/L	1.00	0.38		X112023	RS	03/15/21 16:42	

Anions by Ion Chromatography

EPA 300.0	Chloride	11.8	mg/L	0.20	0.14		X111146	RS	03/10/21 15:48	
EPA 300.0	Nitrate as N	0.200	mg/L	0.050	0.043		X111146	RS	03/10/21 15:48	
EPA 300.0	Sulfate as SO₄	9.58	mg/L	0.30	0.18		X111146	RS	03/10/21 15:48	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWDW-002-210309**

Sampled: 09-Mar-21 10:20

SVL Sample ID: **X1C0188-02 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 08:42	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0366	mg/L	0.0040	0.0019		X112047	AS	03/23/21 09:33	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 09:33	
EPA 6010D	Manganese	0.0083	mg/L	0.0080	0.0034		X112047	AS	03/23/21 09:33	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 09:33	
EPA 6010D	Zinc	0.401	mg/L	0.0100	0.0054		X112047	AS	03/23/21 09:33	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 13:48	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 14:41	
SM 2320 B	Total Alkalinity	159	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 15:46	
SM 2320 B	Bicarbonate	159	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 15:46	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 15:46	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X112023	RS	03/15/21 16:55	

Anions by Ion Chromatography

EPA 300.0	Chloride	7.49	mg/L	0.20	0.14		X111146	RS	03/10/21 16:06	
EPA 300.0	Nitrate as N	1.23	mg/L	0.050	0.043		X111146	RS	03/10/21 16:06	
EPA 300.0	Sulfate as SO₄	5.58	mg/L	0.30	0.18		X111146	RS	03/10/21 16:06	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWDW-003-210309**

Sampled: 09-Mar-21 11:20

SVL Sample ID: **X1C0188-03 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 08:44	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0296	mg/L	0.0040	0.0019		X112047	AS	03/23/21 09:37	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 09:37	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X112047	AS	03/23/21 09:37	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 09:37	
EPA 6010D	Zinc	0.0713	mg/L	0.0100	0.0054		X112047	AS	03/23/21 09:37	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 13:50	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 14:43	
SM 2320 B	Total Alkalinity	171	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:02	
SM 2320 B	Bicarbonate	171	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:02	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:02	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X112023	RS	03/15/21 17:08	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.71	mg/L	0.20	0.14		X111146	RS	03/10/21 16:23	
EPA 300.0	Nitrate as N	1.33	mg/L	0.050	0.043		X111146	RS	03/10/21 16:23	
EPA 300.0	Sulfate as SO₄	1.14	mg/L	0.30	0.18		X111146	RS	03/10/21 16:23	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWMS-004-210309**

Sampled: 09-Mar-21 13:20

SVL Sample ID: **X1C0188-04 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 08:46	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0944	mg/L	0.0040	0.0019		X112047	AS	03/23/21 09:40	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 09:40	
EPA 6010D	Manganese	0.0540	mg/L	0.0080	0.0034		X112047	AS	03/23/21 09:40	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 09:40	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112047	AS	03/23/21 09:40	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 13:52	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	0.054	mg/L	0.030	0.013		X113065	DT	03/25/21 14:46	
SM 2320 B	Total Alkalinity	162	mg/L as CaCO3	1.0			X112114	KAG	03/17/21 16:09	
SM 2320 B	Bicarbonate	162	mg/L as CaCO3	1.0			X112114	KAG	03/17/21 16:09	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X112114	KAG	03/17/21 16:09	
SM 2540 C	Total Diss. Solids	259	mg/L	10			X111226	TJL	03/12/21 15:40	
SM 5310B	Total Organic Carbon	1.51	mg/L	1.00	0.38		X112023	RS	03/15/21 17:21	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.64	mg/L	0.20	0.14		X111146	RS	03/10/21 16:41	
EPA 300.0	Nitrate as N	9.06	mg/L	0.500	0.430	10	X111146	RS	03/10/21 16:58	D2
EPA 300.0	Sulfate as SO4	10.4	mg/L	0.30	0.18		X111146	RS	03/10/21 16:41	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWMW-009-210309**

Sampled: 09-Mar-21 11:37

SVL Sample ID: **X1C0188-05 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 08:52	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.117	mg/L	0.0040	0.0019		X112047	AS	03/23/21 09:44	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 09:44	
EPA 6010D	Manganese	0.149	mg/L	0.0080	0.0034		X112047	AS	03/23/21 09:44	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 09:44	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112047	AS	03/23/21 09:44	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 13:54	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 14:48	
SM 2320 B	Total Alkalinity	198	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:16	
SM 2320 B	Bicarbonate	198	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:16	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:16	
SM 2540 C	Total Diss. Solids	230	mg/L	10			X111226	TJL	03/12/21 15:40	
SM 5310B	Total Organic Carbon	2.49	mg/L	1.00	0.38		X112023	RS	03/15/21 17:35	

Anions by Ion Chromatography

EPA 300.0	Chloride	10.9	mg/L	2.00	1.40	10	X111146	RS	03/10/21 19:01	D2
EPA 300.0	Nitrate as N	0.168	mg/L	0.050	0.043		X111146	RS	03/10/21 18:44	
EPA 300.0	Sulfate as SO₄	2.99	mg/L	0.30	0.18		X111146	RS	03/10/21 18:44	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWMW-010-210309**

Sampled: 09-Mar-21 11:05

SVL Sample ID: **X1C0188-06 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 08:57	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0471	mg/L	0.0040	0.0019		X112047	AS	03/23/21 09:54	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 09:54	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X112047	AS	03/23/21 09:54	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 09:54	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112047	AS	03/23/21 09:54	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:00	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 14:50	
SM 2320 B	Total Alkalinity	94.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:23	
SM 2320 B	Bicarbonate	94.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:23	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:23	
SM 2540 C	Total Diss. Solids	125	mg/L	10			X111226	TJL	03/12/21 15:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X112023	RS	03/15/21 17:48	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.43	mg/L	0.20	0.14		X111146	RS	03/10/21 20:29	
EPA 300.0	Nitrate as N	0.277	mg/L	0.050	0.043		X111146	RS	03/10/21 20:29	
EPA 300.0	Sulfate as SO ₄	0.92	mg/L	0.30	0.18		X111146	RS	03/10/21 20:29	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWMW-013-210309**

Sampled: 09-Mar-21 10:31

Received: 10-Mar-21

Sampled By: KM/GF/MT

SVL Sample ID: **X1C0188-07 (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		X111198	AM	03/17/21 08:59	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0522	mg/L	0.0040	0.0019		X112047	AS	03/23/21 10:04	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 10:04	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X112047	AS	03/23/21 10:04	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 10:04	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112047	AS	03/23/21 10:04	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:07	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 14:52	
SM 2320 B	Total Alkalinity	195	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:30	
SM 2320 B	Bicarbonate	195	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:30	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:30	
SM 2540 C	Total Diss. Solids	242	mg/L	10			X111226	TJL	03/12/21 15:40	
SM 5310B	Total Organic Carbon	1.25	mg/L	1.00	0.38		X112023	RS	03/15/21 18:01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	8.98	mg/L	0.20	0.14		X111146	RS	03/10/21 20:46	
EPA 300.0	Nitrate as N	0.704	mg/L	0.050	0.043		X111146	RS	03/10/21 20:46	
EPA 300.0	Sulfate as SO ₄	3.72	mg/L	0.30	0.18		X111146	RS	03/10/21 20:46	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWMW-014-210309**

Sampled: 09-Mar-21 08:01

SVL Sample ID: **X1C0188-08 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 09:01	
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Metals (Total Recoverable)

EPA 6010D	Barium	< 0.0040	mg/L	0.0040	0.0019		X112047	AS	03/23/21 10:07	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 10:07	
EPA 6010D	Manganese	0.205	mg/L	0.0080	0.0034		X112047	AS	03/23/21 10:07	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 10:07	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112047	AS	03/23/21 10:07	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:09	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 14:54	
SM 2320 B	Total Alkalinity	80.3	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:37	
SM 2320 B	Bicarbonate	80.3	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:37	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:37	
SM 2540 C	Total Diss. Solids	127	mg/L	10			X111226	TJL	03/12/21 15:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X112023	RS	03/15/21 18:14	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.79	mg/L	0.20	0.14		X111146	RS	03/10/21 21:04	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X111146	RS	03/10/21 21:04	
EPA 300.0	Sulfate as SO₄	9.39	mg/L	0.30	0.18		X111146	RS	03/10/21 21:04	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWMW-019R-210309**

Sampled: 09-Mar-21 13:27

SVL Sample ID: **X1C0188-09 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 09:02	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0350	mg/L	0.0040	0.0019		X112047	AS	03/23/21 10:10	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 10:10	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X112047	AS	03/23/21 10:10	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 10:10	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112047	AS	03/23/21 10:10	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:11	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 15:05	
SM 2320 B	Total Alkalinity	106	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:44	
SM 2320 B	Bicarbonate	106	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:44	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:44	
SM 2540 C	Total Diss. Solids	156	mg/L	10			X111226	TJL	03/12/21 15:40	
SM 5310B	Total Organic Carbon	1.29	mg/L	1.00	0.38		X112023	RS	03/15/21 18:54	

Anions by Ion Chromatography

EPA 300.0	Chloride	6.78	mg/L	0.20	0.14		X111146	RS	03/10/21 22:37	
EPA 300.0	Nitrate as N	1.41	mg/L	0.050	0.043		X111146	RS	03/10/21 22:37	
EPA 300.0	Sulfate as SO ₄	5.10	mg/L	0.30	0.18		X111146	RS	03/10/21 22:37	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWMW-020-210309**

Sampled: 09-Mar-21 12:59

SVL Sample ID: **X1C0188-10 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 09:04	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.246	mg/L	0.0040	0.0019		X112047	AS	03/23/21 10:14	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 10:14	
EPA 6010D	Manganese	0.0917	mg/L	0.0080	0.0034		X112047	AS	03/23/21 10:14	
EPA 6010D	Vanadium	0.0053	mg/L	0.0050	0.0019		X112047	AS	03/23/21 10:14	
EPA 6010D	Zinc	0.0311	mg/L	0.0100	0.0054		X112047	AS	03/23/21 10:14	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:13	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 15:07	
SM 2320 B	Total Alkalinity	202	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:50	
SM 2320 B	Bicarbonate	202	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 16:50	
SM 2540 C	Total Diss. Solids	297	mg/L	10			X111226	TJL	03/12/21 15:40	
SM 5310B	Total Organic Carbon	1.26	mg/L	1.00	0.38		X112023	RS	03/15/21 19:07	

Anions by Ion Chromatography

EPA 300.0	Chloride	6.24	mg/L	0.20	0.14		X111146	RS	03/10/21 22:54	
EPA 300.0	Nitrate as N	5.52	mg/L	0.050	0.043		X111146	RS	03/10/21 22:54	
EPA 300.0	Sulfate as SO₄	9.24	mg/L	0.30	0.18		X111146	RS	03/10/21 22:54	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWMW-029-210309**

Sampled: 09-Mar-21 11:33

SVL Sample ID: **X1C0188-11 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 09:08	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.103	mg/L	0.0040	0.0019		X112047	AS	03/23/21 10:17	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 10:17	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X112047	AS	03/23/21 10:17	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 10:17	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112047	AS	03/23/21 10:17	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:15	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 15:09	
SM 2320 B	Total Alkalinity	95.8	mg/L as CaCO3	1.0			X112114	KAG	03/17/21 17:06	
SM 2320 B	Bicarbonate	95.8	mg/L as CaCO3	1.0			X112114	KAG	03/17/21 17:06	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X112114	KAG	03/17/21 17:06	
SM 2540 C	Total Diss. Solids	408	mg/L	10			X111226	TJL	03/12/21 15:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X112023	RS	03/15/21 19:21	

Anions by Ion Chromatography

EPA 300.0	Chloride	143	mg/L	10.0	7.00	50	X111146	RS	03/10/21 17:33	D2
EPA 300.0	Nitrate as N	1.18	mg/L	0.050	0.043		X111146	RS	03/10/21 17:16	
EPA 300.0	Sulfate as SO4	7.20	mg/L	0.30	0.18		X111146	RS	03/10/21 17:16	

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: **X1C0188**
Reported: 25-Mar-21 18:15

Client Sample ID: **GWMW-031-210309**

Sampled: 09-Mar-21 08:41

SVL Sample ID: **X1C0188-12 (Ground Water)**

Received: 10-Mar-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		X111198	AM	03/17/21 09:13	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0473	mg/L	0.0040	0.0019		X112047	AS	03/23/21 10:20	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112047	AS	03/23/21 10:20	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X112047	AS	03/23/21 10:20	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112047	AS	03/23/21 10:20	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112047	AS	03/23/21 10:20	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:17	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113065	DT	03/25/21 15:11	
SM 2320 B	Total Alkalinity	62.9	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 17:13	
SM 2320 B	Bicarbonate	62.9	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 17:13	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X112114	KAG	03/17/21 17:13	
SM 2540 C	Total Diss. Solids	130	mg/L	10			X111226	TJL	03/12/21 15:40	
SM 5310B	Total Organic Carbon	4.54	mg/L	1.00	0.38		X112023	RS	03/15/21 19:34	

Anions by Ion Chromatography

EPA 300.0	Chloride	2.07	mg/L	0.20	0.14		X111146	RS	03/10/21 17:51	
EPA 300.0	Nitrate as N	0.143	mg/L	0.050	0.043		X111146	RS	03/10/21 17:51	
EPA 300.0	Sulfate as SO ₄	4.57	mg/L	0.30	0.18		X111146	RS	03/10/21 17:51	

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:

X1C0188

Reported:

25-Mar-21 18:15

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	X111198	17-Mar-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X112047	23-Mar-21	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X112047	23-Mar-21	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X112047	23-Mar-21	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X112047	23-Mar-21	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X112047	23-Mar-21	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X112062	19-Mar-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X113065	25-Mar-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X112114	17-Mar-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X112114	17-Mar-21	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X112114	17-Mar-21	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X111226	12-Mar-21	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X112023	15-Mar-21	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X112023	15-Mar-21	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.14	0.20	X111146	10-Mar-21	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X111146	10-Mar-21	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X111146	10-Mar-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	0.00479	0.00500	95.8	80 - 120	X111198	17-Mar-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.02	1.00	102	80 - 120	X112047	23-Mar-21	
EPA 6010D	Lead	mg/L	0.996	1.00	99.6	80 - 120	X112047	23-Mar-21	
EPA 6010D	Manganese	mg/L	1.01	1.00	101	80 - 120	X112047	23-Mar-21	
EPA 6010D	Vanadium	mg/L	1.00	1.00	100	80 - 120	X112047	23-Mar-21	
EPA 6010D	Zinc	mg/L	0.989	1.00	98.9	80 - 120	X112047	23-Mar-21	
EPA 6020B	Arsenic	mg/L	0.0251	0.0250	101	80 - 120	X112062	19-Mar-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	0.987	1.00	98.7	90 - 110	X113065	25-Mar-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.3	9.93	104	94.3 - 106	X112114	17-Mar-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	99.8	99.3	101	94.3 - 106	X112114	17-Mar-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	392	397	98.6	94.3 - 106	X112114	17-Mar-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	10.3	9.93	104	95.1 - 106	X112114	17-Mar-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	99.8	99.3	101	95.1 - 106	X112114	17-Mar-21	
SM 2320 B	Bicarbonate	mg/L as CaCO3	382	397	96.2	95.1 - 106	X112114	17-Mar-21	
SM 5310B	Total Organic Carbon	mg/L	33.7	34.3	98.3	90 - 110	X112023	15-Mar-21	
SM 5310B	Total Organic Carbon	mg/L	34.3	34.3	99.9	90 - 110	X112023	15-Mar-21	



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

Work Order: **X1C0188**
Reported: 25-Mar-21 18:15

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	3.05	3.00	102	90 - 110	X111146	10-Mar-21	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X111146	10-Mar-21	
EPA 300.0	Sulfate as SO ₄	mg/L	10.2	10.0	102	90 - 110	X111146	10-Mar-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	195	198	1.6	20	X112114 - X1C0188-05	17-Mar-21	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	195	198	1.6	20	X112114 - X1C0188-05	17-Mar-21	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X112114 - X1C0188-05	17-Mar-21	
SM 2540 C	Total Diss. Solids	mg/L	224	230	2.6	10	X111226 - X1C0188-05	12-Mar-21	
SM 2540 C	Total Diss. Solids	mg/L	402	408	1.5	10	X111226 - X1C0188-11	12-Mar-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	0.00102	<0.000200	0.00100	102	75 - 125	X111198 - X1C0188-05	17-Mar-21	
EPA 7470A	Mercury	mg/L	0.00114	<0.000200	0.00100	114	75 - 125	X111198 - X1C0188-10	17-Mar-21	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.14	0.117	1.00	103	75 - 125	X112047 - X1C0188-05	23-Mar-21	
EPA 6010D	Lead	mg/L	0.993	<0.0150	1.00	99.3	75 - 125	X112047 - X1C0188-05	23-Mar-21	
EPA 6010D	Manganese	mg/L	1.15	0.149	1.00	100	75 - 125	X112047 - X1C0188-05	23-Mar-21	
EPA 6010D	Vanadium	mg/L	1.01	<0.0050	1.00	101	75 - 125	X112047 - X1C0188-05	23-Mar-21	
EPA 6010D	Zinc	mg/L	0.985	<0.0100	1.00	98.5	75 - 125	X112047 - X1C0188-05	23-Mar-21	
EPA 6020B	Arsenic	mg/L	0.0253	<0.00300	0.0250	99.8	75 - 125	X112062 - X1C0188-05	19-Mar-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	0.992	<0.030	1.00	99.2	90 - 110	X113065 - X1C0188-05	25-Mar-21	
EPA 350.1	Ammonia as N	mg/L	0.968	<0.030	1.00	96.8	90 - 110	X113065 - X1C0229-01	25-Mar-21	
SM 5310B	Total Organic Carbon	mg/L	12.9	2.49	10.0	104	80 - 120	X112023 - X1C0188-05	15-Mar-21	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	13.9	10.9	3.00	101	90 - 110	X111146 - X1C0188-05	10-Mar-21	D2
EPA 300.0	Chloride	mg/L	3.85	0.79	3.00	102	90 - 110	X111146 - X1C0188-08	10-Mar-21	
EPA 300.0	Nitrate as N	mg/L	2.22	0.168	2.00	102	90 - 110	X111146 - X1C0188-05	10-Mar-21	
EPA 300.0	Nitrate as N	mg/L	2.08	<0.050	2.00	104	90 - 110	X111146 - X1C0188-08	10-Mar-21	
EPA 300.0	Sulfate as SO ₄	mg/L	13.2	2.99	10.0	102	90 - 110	X111146 - X1C0188-05	10-Mar-21	
EPA 300.0	Sulfate as SO ₄	mg/L	19.7	9.39	10.0	104	90 - 110	X111146 - X1C0188-08	10-Mar-21	



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

Work Order: **X1C0188**
Reported: 25-Mar-21 18:15

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	0.00108	0.00102	0.00100	5.8	20	108	X111198 - X1C0188-05	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.17	1.14	1.00	2.1	20	105	X112047 - X1C0188-05	
EPA 6010D	Lead	mg/L	1.01	0.993	1.00	1.5	20	101	X112047 - X1C0188-05	
EPA 6010D	Manganese	mg/L	1.16	1.15	1.00	0.5	20	101	X112047 - X1C0188-05	
EPA 6010D	Vanadium	mg/L	1.02	1.01	1.00	0.6	20	101	X112047 - X1C0188-05	
EPA 6010D	Zinc	mg/L	0.985	0.985	1.00	0.1	20	98.5	X112047 - X1C0188-05	
EPA 6020B	Arsenic	mg/L	0.0253	0.0253	0.0250	0.1	20	99.7	X112062 - X1C0188-05	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	0.960	0.992	1.00	3.3	20	96.0	X113065 - X1C0188-05	
SM 5310B	Total Organic Carbon	mg/L	12.9	12.9	10.0	0.2	20	104	X112023 - X1C0188-05	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	13.8	13.9	3.00	0.6	20	98.0	X111146 - X1C0188-05	D2
EPA 300.0	Nitrate as N	mg/L	2.22	2.22	2.00	0.3	20	103	X111146 - X1C0188-05	
EPA 300.0	Sulfate as SO4	mg/L	13.3	13.2	10.0	1.2	20	103	X111146 - X1C0188-05	



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: **X1C0188**
Reported: 25-Mar-21 18:15

Notes and Definitions

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

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

2021



Work Order: **X1C0188**
Spokane County Environmental Services (S)

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 #: **K07352191881**
NUMBER OF COOLERS: **2**

DATE: **3/9/2021**
PAGE **1** OF **2**

PARAMETERS:	DATE	TIME	MONITORING			RESIDENTIAL			SAMPLERS:		
			TOC	AMMONIA	CI / SO4 / TDS	CI / SO4 / NO3	ALKALINITY	METALS	COOLER	NUMBER	COMMENTS
METHOD:			415.1	350.1	300.0/300.0/160.1	300.0/300.0/300.0	2320B	(As / Ba / Pb / Hg Mn / V / Zn) 7060A / 6010B / 7470A			
BOTTLES:			1-40 ml.	1-500 ml	1-500 ml	1-500 ml.	1-500 ml.	1-500 ml.			
LAB:			VOC	POLY BOTTLE	POLY BOTTLE	POLY BOTTLE	POLY BOTTLE	POLY BOTTLE			
PRESERVATION:			SVL	SVL	SVL	SVL	SVL	SVL			
SAMPLE IDENTIFICATION			H2SO4	H2SO4	UNPRESERVED	UNPRESERVED	UNPRESERVED	HN03 Ph < 2 (NOT FILTERED)	COOLER	NUMBER	COMMENTS
	2021		PH < 2	PH < 2					NUMBER	BOTTLES	
GWDW-001-210309	3/9	0930	X	X	X	X	X	X	13	4	
GWDW-002-210309	3/9	1020	X	X	X	X	X	X	13	4	
GWDW-003-210309	3/9	1120	X	X	X	X	X	X	13	4	
GWM5-004-210309	3/9	1320	X	X	X	X	X	X	13	4	
GWMW-009-210309	3/9	1137	X	X	X	X	X	X	14	12	MS/MSD
GWMW-010-210309	3/9	1105	X	X	X	X	X	X	14	4	
GWMW-013-210309	3/9	1031	X	X	X	X	X	X	14	4	
GWMW-014-210309	3/9	0801	X	X	X	X	X	X	14	4	
GWMW-019R-210309	3/9	1327	X	X	X	X	X	X	13	4	
GWMW-020-210309	3/9	1259	X	X	X	X	X	X	13	4	
GWMW-029-210309	3/9	1133	X	X	X	X	X	X	13	4	

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

RELINQUISHED BY

SIGNATURE: *Mike Stearns*

PRINT NAME: **MIKE STEARNS**

COMPANY: **SPOKANE COUNTY UTILITIES LANDFILL CLOSURE**

DATE: **3/9/2021**

TIME: **1500**

RECEIVED BY

SIGNATURE: *L. Flores*

PRINT NAME: **L. FLORES**

COMPANY: **SVC**

DATE: **3/9/2021**

TIME: **8:50**

ALL TOCS ARE IN COOLER #14

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

X100188

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 #: KAT352191881
NUMBER OF COOLERS: 2

DATE: 3/9/2001
PAGE: 2 **OF:** 2

PARAMETERS:	DATE	TIME	MONITORING				RESIDENTIAL		SAMPLERS:
			TOC	AMMONIA	CI / SO4 / TDS NO3 / ALKALINITY	CI / 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		K. McCarty
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		G. F. SETTE
LAB:			SVL	SVL	SVL	SVL	SVL		M. TERNIS
PRESERVATION:			H2SO4 pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph< 2 (NOT FILTERED)		
SAMPLE IDENTIFICATION	DATE	TIME							
GW MW-031-210309	3/9	0841	X	X	X		X	13	4

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

RELINQUISHED BY
 SIGNATURE: *[Signature]*
 PRINT NAME: MIKE STERNIS
 COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: 3/9/2001
TIME: 1500

RECEIVED BY
 SIGNATURE: *[Signature]*
 PRINT NAME: G. FLORES
 COMPANY: SVL

DATE: 3/10/2001
TIME: 8:50

ALL TOX ARE IN COOLER #14

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: 3/10/2021

By: [Signature]

SVL Work No: X1C0188

Item	Description	V	NA	Comments
1	Client or project name	✓		SPOKANE COUNTY
2	Date and time of receipt at lab	✓		3/10/2021 8:50
3	Received by	✓		C. FLORES
4	Temperature blank or cooler temperature	✓		Temp 0.6 °C, 0.9 °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		✓	ND
13	Additional Information		✓	

V- Verified NA- Not Applicable

Comments:

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

Work Order: MBC0334
Project: X1C0248
Reported: 3/26/2021 08:58

Analytical Results Report

Sample Location: X1C0248-01 (GWDW-001-210309)
Lab/Sample Number: MBC0334-01 **Collect Date:** 03/09/21 09:30
Date Received: 03/11/21 10:12 **Collected By:** KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.500	3/23/21 23:18	MAH	EPA 8270D	
Surrogate: 2,4,6-Tribromophenol	85.9%		48-120	3/23/21 23:18	MAH	EPA 8270D	
Surrogate: 2-Fluorobiphenyl	89.0%		57-113	3/23/21 23:18	MAH	EPA 8270D	
Surrogate: 2-Fluorophenol	85.0%		37-110	3/23/21 23:18	MAH	EPA 8270D	
Surrogate: Nitrobenzene-d5	90.4%		65-110	3/23/21 23:18	MAH	EPA 8270D	
Surrogate: Phenol-2,3,4,5,6-d5	85.8%		51-112	3/23/21 23:18	MAH	EPA 8270D	
Surrogate: Terphenyl-d14	96.1%		57-133	3/23/21 23:18	MAH	EPA 8270D	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/16/21 23:44	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/16/21 23:44	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-01 (GWDW-001-210309)
Lab/Sample Number: MBC0334-01 Collect Date: 03/09/21 09:30
Date Received: 03/11/21 10:12 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Acrylonitrile	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/16/21 23:44	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/16/21 23:44	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/16/21 23:44	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-01 (GWDW-001-210309)
Lab/Sample Number: MBC0334-01 Collect Date: 03/09/21 09:30
Date Received: 03/11/21 10:12 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Vinyl Chloride	ND	ug/L	0.500	3/16/21 23:44	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	107%		70-130	3/16/21 23:44	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	97.0%		70-130	3/16/21 23:44	TEC	EPA 8260C	
Surrogate: Toluene-d8	103%		70-130	3/16/21 23:44	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-02 (GWDW-002-210309)
Lab/Sample Number: MBC0334-02 Collect Date: 03/09/21 10:20
Date Received: 03/11/21 10:12 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.500	3/23/21 23:46	MAH	EPA 8270D	
Surrogate: 2,4,6-Tribromophenol	78.8%		48-120	3/23/21 23:46	MAH	EPA 8270D	
Surrogate: 2-Fluorobiphenyl	87.1%		57-113	3/23/21 23:46	MAH	EPA 8270D	
Surrogate: 2-Fluorophenol	86.4%		37-110	3/23/21 23:46	MAH	EPA 8270D	
Surrogate: Nitrobenzene-d5	95.9%		65-110	3/23/21 23:46	MAH	EPA 8270D	
Surrogate: Phenol-2,3,4,5,6-d5	91.4%		51-112	3/23/21 23:46	MAH	EPA 8270D	
Surrogate: Terphenyl-d14	110%		57-133	3/23/21 23:46	MAH	EPA 8270D	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 0:13	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 0:13	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-02 (GWDW-002-210309)
Lab/Sample Number: MBC0334-02 Collect Date: 03/09/21 10:20
Date Received: 03/11/21 10:12 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	3/17/21 0:13	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Chloromethane	0.530	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/17/21 0:13	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 0:13	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 0:13	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 0:13	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	106%		70-130	3/17/21 0:13	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	96.9%		70-130	3/17/21 0:13	TEC	EPA 8260C	
Surrogate: Toluene-d8	100%		70-130	3/17/21 0:13	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-03 (GWDW-003-210309)
Lab/Sample Number: MBC0334-03 Collect Date: 03/09/21 11:20
Date Received: 03/11/21 10:12 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.500	3/24/21 0:14	MAH	EPA 8270D	
Surrogate: 2,4,6-Tribromophenol	90.7%		48-120	3/24/21 0:14	MAH	EPA 8270D	
Surrogate: 2-Fluorobiphenyl	90.1%		57-113	3/24/21 0:14	MAH	EPA 8270D	
Surrogate: 2-Fluorophenol	84.3%		37-110	3/24/21 0:14	MAH	EPA 8270D	
Surrogate: Nitrobenzene-d5	87.8%		65-110	3/24/21 0:14	MAH	EPA 8270D	
Surrogate: Phenol-2,3,4,5,6-d5	85.7%		51-112	3/24/21 0:14	MAH	EPA 8270D	
Surrogate: Terphenyl-d14	103%		57-133	3/24/21 0:14	MAH	EPA 8270D	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 0:42	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 0:42	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-03 (GWDW-003-210309)
Lab/Sample Number: MBC0334-03 Collect Date: 03/09/21 11:20
Date Received: 03/11/21 10:12 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	3/17/21 0:42	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/17/21 0:42	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 0:42	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 0:42	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 0:42	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	109%		70-130	3/17/21 0:42	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	96.6%		70-130	3/17/21 0:42	TEC	EPA 8260C	
Surrogate: Toluene-d8	95.5%		70-130	3/17/21 0:42	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-04 (GWMS-004-210309)
Lab/Sample Number: MBC0334-04 Collect Date: 03/09/21 13:20
Date Received: 03/11/21 10:12 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.500	3/24/21 0:41	MAH	EPA 8270D	
Surrogate: 2,4,6-Tribromophenol	83.4%		48-120	3/24/21 0:41	MAH	EPA 8270D	
Surrogate: 2-Fluorobiphenyl	88.8%		57-113	3/24/21 0:41	MAH	EPA 8270D	
Surrogate: 2-Fluorophenol	78.3%		37-110	3/24/21 0:41	MAH	EPA 8270D	
Surrogate: Nitrobenzene-d5	89.6%		65-110	3/24/21 0:41	MAH	EPA 8270D	
Surrogate: Phenol-2,3,4,5,6-d5	84.2%		51-112	3/24/21 0:41	MAH	EPA 8270D	
Surrogate: Terphenyl-d14	56.6%		57-133	3/24/21 0:41	MAH	EPA 8270D	S15
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,1-Dichloroethane	1.29	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 1:12	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 1:12	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-04 (GWMS-004-210309)
Lab/Sample Number: MBC0334-04 Collect Date: 03/09/21 13:20
Date Received: 03/11/21 10:12 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	3/17/21 1:12	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Dichlorodifluoromethane	1.38	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/17/21 1:12	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 1:12	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 1:12	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 1:12	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	106%		70-130	3/17/21 1:12	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	98.8%		70-130	3/17/21 1:12	TEC	EPA 8260C	
Surrogate: Toluene-d8	101%		70-130	3/17/21 1:12	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-05 (GWMW-009-210309)
Lab/Sample Number: MBC0334-05 Collect Date: 03/09/21 11:37
Date Received: 03/11/21 10:12 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.500	3/24/21 1:08	MAH	EPA 8270D	
Surrogate: 2,4,6-Tribromophenol	80.2%		48-120	3/24/21 1:08	MAH	EPA 8270D	
Surrogate: 2-Fluorobiphenyl	82.9%		57-113	3/24/21 1:08	MAH	EPA 8270D	
Surrogate: 2-Fluorophenol	82.1%		37-110	3/24/21 1:08	MAH	EPA 8270D	
Surrogate: Nitrobenzene-d5	93.6%		65-110	3/24/21 1:08	MAH	EPA 8270D	
Surrogate: Phenol-2,3,4,5,6-d5	88.9%		51-112	3/24/21 1:08	MAH	EPA 8270D	
Surrogate: Terphenyl-d14	92.8%		57-133	3/24/21 1:08	MAH	EPA 8270D	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/16/21 23:15	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/16/21 23:15	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-05 (GWMW-009-210309)
Lab/Sample Number: MBC0334-05 Collect Date: 03/09/21 11:37
Date Received: 03/11/21 10:12 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	3/16/21 23:15	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/16/21 23:15	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/16/21 23:15	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/16/21 23:15	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/16/21 23:15	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	107%		70-130	3/16/21 23:15	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	98.0%		70-130	3/16/21 23:15	TEC	EPA 8260C	
Surrogate: Toluene-d8	102%		70-130	3/16/21 23:15	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-06 (GWMW-010-210309)
Lab/Sample Number: MBC0334-06 Collect Date: 03/09/21 11:05
Date Received: 03/11/21 10:12 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	3/17/21 1:41	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 1:41	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 1:41	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-06 (GMMW-010-210309)
Lab/Sample Number: MBC0334-06 Collect Date: 03/09/21 11:05
Date Received: 03/11/21 10:12 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	3/17/21 1:41	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 1:41	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 1:41	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 1:41	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	106%		70-130	3/17/21 1:41	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	97.1%		70-130	3/17/21 1:41	TEC	EPA 8260C	
Surrogate: Toluene-d8	98.6%		70-130	3/17/21 1:41	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-07 (GWMW-013-210309)
Lab/Sample Number: MBC0334-07 Collect Date: 03/09/21 10:31
Date Received: 03/11/21 10:12 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	3/17/21 2:10	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,1-Dichloroethane	1.02	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 2:10	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 2:10	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Dichlorodifluoromethane	1.34	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-07 (GWMW-013-210309)
Lab/Sample Number: MBC0334-07 Collect Date: 03/09/21 10:31
Date Received: 03/11/21 10:12 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	3/17/21 2:10	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 2:10	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 2:10	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 2:10	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	110%		70-130	3/17/21 2:10	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	95.5%		70-130	3/17/21 2:10	TEC	EPA 8260C	
Surrogate: Toluene-d8	105%		70-130	3/17/21 2:10	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-08 (GWMW-014-210309)
Lab/Sample Number: MBC0334-08 Collect Date: 03/09/21 08:01
Date Received: 03/11/21 10:12 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	3/17/21 2:39	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 2:39	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 2:39	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-08 (GMMW-014-210309)
Lab/Sample Number: MBC0334-08 Collect Date: 03/09/21 08:01
Date Received: 03/11/21 10:12 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	3/17/21 2:39	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 2:39	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 2:39	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 2:39	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	105%		70-130	3/17/21 2:39	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	97.8%		70-130	3/17/21 2:39	TEC	EPA 8260C	
Surrogate: Toluene-d8	107%		70-130	3/17/21 2:39	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-09 (GMMW-019R-210309)
Lab/Sample Number: MBC0334-09 Collect Date: 03/09/21 13:27
Date Received: 03/11/21 10:12 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	3/17/21 12:53	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 12:53	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 12:53	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-09 (GMMW-019R-210309)
Lab/Sample Number: MBC0334-09 Collect Date: 03/09/21 13:27
Date Received: 03/11/21 10:12 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	3/17/21 12:53	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 12:53	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 12:53	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 12:53	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	105%		70-130	3/17/21 12:53	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	97.2%		70-130	3/17/21 12:53	TEC	EPA 8260C	
Surrogate: Toluene-d8	100%		70-130	3/17/21 12:53	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-10 (GWMW-020-210309)
Lab/Sample Number: MBC0334-10 Collect Date: 03/09/21 12:59
Date Received: 03/11/21 10:12 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	3/17/21 18:10	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,1-Dichloroethane	0.670	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 18:10	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 18:10	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Dichlorodifluoromethane	1.50	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-10 (GMMW-020-210309)
Lab/Sample Number: MBC0334-10 Collect Date: 03/09/21 12:59
Date Received: 03/11/21 10:12 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	3/17/21 18:10	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 18:10	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 18:10	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 18:10	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	106%		70-130	3/17/21 18:10	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	95.9%		70-130	3/17/21 18:10	TEC	EPA 8260C	
Surrogate: Toluene-d8	100%		70-130	3/17/21 18:10	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-11 (GWMW-029-210309)
Lab/Sample Number: MBC0334-11 Collect Date: 03/09/21 11:33
Date Received: 03/11/21 10:12 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.500	3/24/21 1:36	MAH	EPA 8270D	
Surrogate: 2,4,6-Tribromophenol	91.0%		48-120	3/24/21 1:36	MAH	EPA 8270D	
Surrogate: 2-Fluorobiphenyl	88.4%		57-113	3/24/21 1:36	MAH	EPA 8270D	
Surrogate: 2-Fluorophenol	81.4%		37-110	3/24/21 1:36	MAH	EPA 8270D	
Surrogate: Nitrobenzene-d5	86.7%		65-110	3/24/21 1:36	MAH	EPA 8270D	
Surrogate: Phenol-2,3,4,5,6-d5	83.6%		51-112	3/24/21 1:36	MAH	EPA 8270D	
Surrogate: Terphenyl-d14	101%		57-133	3/24/21 1:36	MAH	EPA 8270D	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 18:39	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 18:39	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-11 (GWMW-029-210309)
Lab/Sample Number: MBC0334-11 Collect Date: 03/09/21 11:33
Date Received: 03/11/21 10:12 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	3/17/21 18:39	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Dichlorodifluoromethane	0.820	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/17/21 18:39	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 18:39	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 18:39	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 18:39	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	106%		70-130	3/17/21 18:39	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	97.5%		70-130	3/17/21 18:39	TEC	EPA 8260C	
Surrogate: Toluene-d8	98.8%		70-130	3/17/21 18:39	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-12 (GWMW-031-210309)
Lab/Sample Number: MBC0334-12 Collect Date: 03/09/21 08:41
Date Received: 03/11/21 10:12 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	3/17/21 19:09	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 19:09	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 19:09	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-12 (GMMW-031-210309)
Lab/Sample Number: MBC0334-12 Collect Date: 03/09/21 08:41
Date Received: 03/11/21 10:12 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	3/17/21 19:09	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 19:09	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 19:09	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 19:09	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	107%		70-130	3/17/21 19:09	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	96.8%		70-130	3/17/21 19:09	TEC	EPA 8260C	
Surrogate: Toluene-d8	95.4%		70-130	3/17/21 19:09	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-13 (GWMS-005-210310)
Lab/Sample Number: MBC0334-13 Collect Date: 03/10/21 08:33
Date Received: 03/11/21 10:12 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.500	3/24/21 2:04	MAH	EPA 8270D	
Surrogate: 2,4,6-Tribromophenol	88.0%		48-120	3/24/21 2:04	MAH	EPA 8270D	
Surrogate: 2-Fluorobiphenyl	88.5%		57-113	3/24/21 2:04	MAH	EPA 8270D	
Surrogate: 2-Fluorophenol	89.3%		37-110	3/24/21 2:04	MAH	EPA 8270D	
Surrogate: Nitrobenzene-d5	90.9%		65-110	3/24/21 2:04	MAH	EPA 8270D	
Surrogate: Phenol-2,3,4,5,6-d5	92.2%		51-112	3/24/21 2:04	MAH	EPA 8270D	
Surrogate: Terphenyl-d14	97.2%		57-133	3/24/21 2:04	MAH	EPA 8270D	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 19:38	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 19:38	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-13 (GWMS-005-210310)
Lab/Sample Number: MBC0334-13 Collect Date: 03/10/21 08:33
Date Received: 03/11/21 10:12 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	3/17/21 19:38	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/17/21 19:38	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 19:38	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 19:38	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 19:38	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	107%		70-130	3/17/21 19:38	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	96.7%		70-130	3/17/21 19:38	TEC	EPA 8260C	
Surrogate: Toluene-d8	95.1%		70-130	3/17/21 19:38	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-14 (GWMW-016-210310)
Lab/Sample Number: MBC0334-14 Collect Date: 03/10/21 09:13
Date Received: 03/11/21 10:12 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	3/17/21 22:05	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,1-Dichloroethane	5.44	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	8.86	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,2-Dichloroethane	2.88	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,2-Dichloropropane	12.4	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	2.89	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	1.35	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
2-hexanone	2.52	ug/L	2.50	3/17/21 22:05	TEC	EPA 8260C	
Acetone	605	ug/L	50.0	3/17/21 21:35	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Benzene	11.2	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	1.12	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Chloroethane	8.81	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Chloromethane	1.07	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	3.23	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Dichlorodifluoromethane	2.52	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Ethylbenzene	49.0	ug/L	10.0	3/17/21 21:35	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Isopropylbenzene	4.16	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	38.8	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-14 (GMMW-016-210310)
Lab/Sample Number: MBC0334-14 Collect Date: 03/10/21 09:13
Date Received: 03/11/21 10:12 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Methyl ethyl ketone (MEK)	176	ug/L	50.0	3/17/21 21:35	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	17.6	ug/L	2.50	3/17/21 22:05	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 22:05	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Naphthalene	15.6	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
n-Propylbenzene	1.03	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
o-Xylene (MCL for total)	17.0	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Toluene	7.27	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	1.49	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Trichloroethene	0.580	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Vinyl Chloride	1.01	ug/L	0.500	3/17/21 22:05	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	103%		70-130	3/17/21 22:05	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	102%		70-130	3/17/21 22:05	TEC	EPA 8260C	
Surrogate: Toluene-d8	103%		70-130	3/17/21 22:05	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-15 (GWMW-023-210310)
Lab/Sample Number: MBC0334-15 Collect Date: 03/10/21 10:05
Date Received: 03/11/21 10:12 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	3/17/21 20:08	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,1-Dichloroethane	2.32	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 20:08	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 20:08	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Dichlorodifluoromethane	1.22	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-15 (GMMW-023-210310)
Lab/Sample Number: MBC0334-15 Collect Date: 03/10/21 10:05
Date Received: 03/11/21 10:12 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	3/17/21 20:08	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 20:08	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 20:08	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 20:08	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	105%		70-130	3/17/21 20:08	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	96.7%		70-130	3/17/21 20:08	TEC	EPA 8260C	
Surrogate: Toluene-d8	102%		70-130	3/17/21 20:08	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-16 (MWS-1-1-210310)
Lab/Sample Number: MBC0334-16 Collect Date: 03/10/21 09:51
Date Received: 03/11/21 10:12 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	3/17/21 20:37	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,1-Dichloroethane	2.28	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 20:37	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 20:37	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Dichlorodifluoromethane	1.12	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-16 (MWS-1-1-210310)
Lab/Sample Number: MBC0334-16 Collect Date: 03/10/21 09:51
Date Received: 03/11/21 10:12 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	3/17/21 20:37	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 20:37	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 20:37	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 20:37	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	108%		70-130	3/17/21 20:37	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	97.0%		70-130	3/17/21 20:37	TEC	EPA 8260C	
Surrogate: Toluene-d8	101%		70-130	3/17/21 20:37	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-17 (MWS-1-2-210310)
Lab/Sample Number: MBC0334-17 Collect Date: 03/10/21 08:11
Date Received: 03/11/21 10:12 Collected By: KM/GF/MT
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.500	3/24/21 2:31	MAH	EPA 8270D	
Surrogate: 2,4,6-Tribromophenol	83.2%		48-120	3/24/21 2:31	MAH	EPA 8270D	
Surrogate: 2-Fluorobiphenyl	89.4%		57-113	3/24/21 2:31	MAH	EPA 8270D	
Surrogate: 2-Fluorophenol	79.5%		37-110	3/24/21 2:31	MAH	EPA 8270D	
Surrogate: Nitrobenzene-d5	89.0%		65-110	3/24/21 2:31	MAH	EPA 8270D	
Surrogate: Phenol-2,3,4,5,6-d5	82.9%		51-112	3/24/21 2:31	MAH	EPA 8270D	
Surrogate: Terphenyl-d14	106%		57-133	3/24/21 2:31	MAH	EPA 8270D	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/17/21 21:06	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/17/21 21:06	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-17 (MWS-1-2-210310)
Lab/Sample Number: MBC0334-17 Collect Date: 03/10/21 08:11
Date Received: 03/11/21 10:12 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	3/17/21 21:06	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/17/21 21:06	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/17/21 21:06	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/17/21 21:06	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/17/21 21:06	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	108%		70-130	3/17/21 21:06	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	95.9%		70-130	3/17/21 21:06	TEC	EPA 8260C	
Surrogate: Toluene-d8	91.6%		70-130	3/17/21 21:06	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-18 (MWS-2-1-210310)
Lab/Sample Number: MBC0334-18 Collect Date: 03/10/21 00:00
Date Received: 03/11/21 10:12 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	3/16/21 22:46	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	3/16/21 22:46	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	3/16/21 22:46	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
DBCP (screening)	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
EDB (screening)	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X1C0248-18 (MWS-2-1-210310)
Lab/Sample Number: MBC0334-18 Collect Date: 03/10/21 00:00
Date Received: 03/11/21 10:12 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	3/16/21 22:46	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/16/21 22:46	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	3/16/21 22:46	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	3/16/21 22:46	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	105%		70-130	3/16/21 22:46	TEC	EPA 8260C	
Surrogate: 4-Bromofluorobenzene	95.5%		70-130	3/16/21 22:46	TEC	EPA 8260C	
Surrogate: Toluene-d8	105%		70-130	3/16/21 22:46	TEC	EPA 8260C	

Authorized Signature,



Justin Doty For Todd Taruscio, Laboratory Manager

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S15	Surrogate recovery for one of the six surrogates was below laboratory and method acceptance limits. Potential matrix effect.
PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
*	Not a state-certified analyte
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was spiked or duplicated.

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

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Quality Control Data

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBC0504 - SVOC Water										
Blank (BBC0504-BLK1)										
Di (2-ethylhexyl) phthalate	ND		0.500	ug/L						
Prepared: 3/16/2021 Analyzed: 3/23/2021										
LCS (BBC0504-BS1)										
Di (2-ethylhexyl) phthalate	4.79		0.500	ug/L	5.00		95.8	60-144		
Prepared: 3/16/2021 Analyzed: 3/23/2021										
Matrix Spike (BBC0504-MS1)										
Di (2-ethylhexyl) phthalate	4.25		0.500	ug/L	5.00	ND	85.0	50-130		
Source: MBC0334-05 Prepared: 3/16/2021 Analyzed: 3/23/2021										
Matrix Spike Dup (BBC0504-MSD1)										
Di (2-ethylhexyl) phthalate	4.09		0.500	ug/L	5.00	ND	81.8	50-130	3.84	40
Source: MBC0334-05 Prepared: 3/16/2021 Analyzed: 3/23/2021										

Quality Control Data

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BBC0507 - VOC										
Blank (BBC0507-BLK1)										
Chloromethane	ND		0.500	ug/L						
Methyl ethyl ketone (MEK)	ND		2.50	ug/L						
m/p Xylenes (MCL for total)	ND		0.500	ug/L						
Isopropylbenzene	ND		0.500	ug/L						
Hexachlorobutadiene	ND		0.500	ug/L						
Ethylbenzene	ND		0.500	ug/L						
Dichlorodifluoromethane	ND		0.500	ug/L						
Dibromomethane	ND		0.500	ug/L						
Dibromochloromethane	ND		0.500	ug/L						
Methyl isobutyl ketone (MIBK)	ND		2.50	ug/L						
cis-1,2-Dichloroethylene	ND		0.500	ug/L						
Naphthalene	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						
cis-1,3-Dichloropropene	ND		0.500	ug/L						
sec-Butylbenzene	ND		0.500	ug/L						
Vinyl Chloride	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						
Tetrachloroethylene	ND		0.500	ug/L						
Methylene Chloride (Dichloromethane)	ND		2.50	ug/L						
Styrene	ND		0.500	ug/L						
Carbon disulfide	ND		0.500	ug/L						
p-isopropyltoluene	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						
Toluene	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: BBC0507 - VOC (Continued)										
Blank (BBC0507-BLK1)					Prepared & Analyzed: 3/16/2021					
methyl-t-butyl ether (MTBE)	ND		0.500	ug/L						
tert-Butylbenzene	ND		0.500	ug/L						
1,1-Dichloropropene	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						
1,1,2-Trichloroethane	ND		0.500	ug/L						
1,1-Dichloroethylene	ND		0.500	ug/L						
1,1-Dichloroethane	ND		0.500	ug/L						
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L						
Bromomethane	ND		0.500	ug/L						
trans-1,2 Dichloroethylene	ND		0.500	ug/L						
1,2,3-Trichloropropane	ND		0.500	ug/L						
Bromobenzene	ND		0.500	ug/L						
Bromodichloromethane	ND		0.500	ug/L						
1,1,1-Trichloroethane	ND		0.500	ug/L						
1,2-Dichloropropane	ND		0.500	ug/L						
Bromoform	ND		0.500	ug/L						
Bromochloromethane	ND		0.500	ug/L						
Benzene	ND		0.500	ug/L						
Acrylonitrile	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
2,2-Dichloropropane	ND		0.500	ug/L						
m-Dichlorobenzene	ND		0.500	ug/L						
p-Chlorotoluene	ND		0.500	ug/L						
1,3-Dichloropropane	ND		0.500	ug/L						
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND		0.500	ug/L						
1,3,5-Trimethylbenzene	ND		0.500	ug/L						
o-Chlorotoluene	ND		0.500	ug/L						
2-hexanone	ND		2.50	ug/L						
Surrogate: Toluene-d8			24.8	ug/L	25.0		99.2	70-130		
Surrogate: 4-Bromofluorobenzene			24.4	ug/L	25.0		97.6	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.1	ug/L	19.0		106	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: BBC0507 - VOC (Continued)										
LCS (BBC0507-BS1)					Prepared & Analyzed: 3/16/2021					
m/p Xylenes (MCL for total)	20.5		0.500	ug/L	20.0		102	80-120		
cis-1,2-Dichloroethylene	9.80		0.500	ug/L	10.0		98.0	80-120		
Methyl ethyl ketone (MEK)	10.9		2.50	ug/L	10.0		109	55-154		
Hexachlorobutadiene	9.07		0.500	ug/L	10.0		90.7	80-120		
Ethylbenzene	10.0		0.500	ug/L	10.0		100	80-120		
Dichlorodifluoromethane	7.17		0.500	ug/L	10.0		71.7	57-130		
Isopropylbenzene	9.69		0.500	ug/L	10.0		96.9	80-120		
Dibromomethane	9.73		0.500	ug/L	10.0		97.3	80-120		
Chloroethane	8.97		0.500	ug/L	10.0		89.7	78-120		
cis-1,3-Dichloropropene	9.46		0.500	ug/L	10.0		94.6	79-123		
Chloroform	10.3		0.500	ug/L	10.0		103	80-120		
sec-Butylbenzene	9.66		0.500	ug/L	10.0		96.6	80-120		
Chlorobenzene (Monochlorobenzene)	9.70		0.500	ug/L	10.0		97.0	80-120		
Carbon Tetrachloride	9.47		0.500	ug/L	10.0		94.7	80-120		
Carbon disulfide	7.99		0.500	ug/L	10.0		79.9	70-130		
Dibromochloromethane	10.1		0.500	ug/L	10.0		101	80-121		
tert-Butylbenzene	10.2		0.500	ug/L	10.0		102	80-120		
Trichloroethene	9.59		0.500	ug/L	10.0		95.9	80-120		
trans-1,2 Dichloroethylene	9.71		0.500	ug/L	10.0		97.1	80-120		
EDB (screening)	10.2		0.500	ug/L	10.0		102	70-130		
Bromoform	10.2		0.500	ug/L	10.0		102	68-133		
o-Xylene (MCL for total)	10.3		0.500	ug/L	10.0		103	80-120		
Tetrachloroethylene	9.15		0.500	ug/L	10.0		91.5	80-120		
Methyl isobutyl ketone (MIBK)	10.7		2.50	ug/L	10.0		107	70-136		
Styrene	10.2		0.500	ug/L	10.0		102	80-120		
p-isopropyltoluene	9.88		0.500	ug/L	10.0		98.8	80-120		
n-Propylbenzene	10.0		0.500	ug/L	10.0		100	80-120		
n-Butylbenzene	9.33		0.500	ug/L	10.0		93.3	74-122		
Naphthalene	11.5		0.500	ug/L	10.0		115	66-133		
methyl-t-butyl ether (MTBE)	9.04		0.500	ug/L	10.0		90.4	71-130		
Toluene	9.90		0.500	ug/L	10.0		99.0	80-120		
1,1-Dichloroethane	9.90		0.500	ug/L	10.0		99.0	80-120		
1,2,4-Trimethylbenzene	10.3		0.500	ug/L	10.0		103	80-120		
1,2,4-Trichlorobenzene	10.2		0.500	ug/L	10.0		102	80-120		
1,2,3-Trichloropropane	10.9		0.500	ug/L	10.0		109	80-120		
1,2,3-Trichlorobenzene	10.8		0.500	ug/L	10.0		108	78-120		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.93		0.500	ug/L	10.0		99.3	80-120		
1,1-Dichloroethylene	9.75		0.500	ug/L	10.0		97.5	70-129		
1,2-Dichloroethane	11.1		0.500	ug/L	10.0		111	80-120		
1,1,2-Trichloroethane	10.4		0.500	ug/L	10.0		104	80-120		
1,1,2,2-Tetrachloroethane	11.4		0.500	ug/L	10.0		114	77-123		
1,1,1-Trichloroethane	9.37		0.500	ug/L	10.0		93.7	80-120		
1,1,1,2-Tetrachloroethane	10.2		0.500	ug/L	10.0		102	80-120		
Vinyl Chloride	9.07		0.500	ug/L	10.0		90.7	75-120		
Trichlorofluoromethane	8.98		0.500	ug/L	10.0		89.8	61-140		
1,1-Dichloropropene	9.72		0.500	ug/L	10.0		97.2	80-120		
o-Chlorotoluene	10.4		0.500	ug/L	10.0		104	80-120		
Bromochloromethane	10.0		0.500	ug/L	10.0		100	80-120		
Bromobenzene	9.70		0.500	ug/L	10.0		97.0	80-120		
Benzene	9.99		0.500	ug/L	10.0		99.9	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: BBC0507 - VOC (Continued)										
LCS (BBC0507-BS1)					Prepared & Analyzed: 3/16/2021					
Acrylonitrile	10.7		0.500	ug/L	10.0		107	73-131		
p-Chlorotoluene	10.4		0.500	ug/L	10.0		104	80-124		
DBCP (screening)	10.8		0.500	ug/L	10.0		108	71-128		
2-hexanone	11.7		2.50	ug/L	10.0		117	65-140		
Bromodichloromethane	10.5		0.500	ug/L	10.0		105	80-120		
2,2-Dichloropropane	7.93		0.500	ug/L	10.0		79.3	70-130		
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.50		0.500	ug/L	10.0		95.0	80-120		
1,3-Dichloropropane	10.5		0.500	ug/L	10.0		105	80-120		
m-Dichlorobenzene	9.47		0.500	ug/L	10.0		94.7	80-120		
1,3,5-Trimethylbenzene	10.3		0.500	ug/L	10.0		103	80-121		
1,2-Dichloropropane	10.4		0.500	ug/L	10.0		104	80-120		
trans-1,3-Dichloropropene	9.26		0.500	ug/L	10.0		92.6	69-130		
Surrogate: Toluene-d8			24.6	ug/L	25.0		98.6	70-130		
Surrogate: 4-Bromofluorobenzene			25.0	ug/L	25.0		100	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			19.3	ug/L	19.0		102	70-130		

Matrix Spike (BBC0507-MS1)

Source: MBC0334-05

Prepared & Analyzed: 3/16/2021

p-Chlorotoluene	10.6		0.500	ug/L	10.0	ND	106	70-130
1,2-Dichloroethane	10.9		0.500	ug/L	10.0	ND	109	70-130
1,3,5-Trimethylbenzene	10.3		0.500	ug/L	10.0	ND	103	40-140
1,3-Dichloropropane	10.8		0.500	ug/L	10.0	ND	108	70-130
1,4-Dichlorobenzene (para-Dichlorobenzene)	10.1		0.500	ug/L	10.0	ND	101	70-130
2,2-Dichloropropane	8.32		0.500	ug/L	10.0	ND	83.2	70-130
o-Chlorotoluene	10.7		0.500	ug/L	10.0	ND	107	70-130
Bromoform	11.7		0.500	ug/L	10.0	ND	117	59-140
EDB (screening)	10.6		0.500	ug/L	10.0	ND	106	70-130
Acrylonitrile	11.8		0.500	ug/L	10.0	ND	118	65-137
Benzene	9.99		0.500	ug/L	10.0	ND	99.9	70-130
Bromobenzene	9.95		0.500	ug/L	10.0	ND	99.5	70-130
Bromochloromethane	9.63		0.500	ug/L	10.0	ND	96.3	70-130
Bromodichloromethane	10.7		0.500	ug/L	10.0	ND	107	70-130
2-hexanone	13.0		2.50	ug/L	10.0	ND	130	43-175
1,1-Dichloropropene	10.5		0.500	ug/L	10.0	ND	105	70-130
Vinyl Chloride	10.4		0.500	ug/L	10.0	ND	104	70-130
1,1,1-Trichloroethane	9.84		0.500	ug/L	10.0	ND	98.4	70-130
1,1,1,2-Tetrachloroethane	10.5		0.500	ug/L	10.0	ND	105	70-130
1,1,2,2-Tetrachloroethane	11.9		0.500	ug/L	10.0	ND	119	67-136
1,1,2-Trichloroethane	10.7		0.500	ug/L	10.0	ND	107	70-130
1,1-Dichloroethylene	10.4		0.500	ug/L	10.0	ND	104	70-130
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	10.1		0.500	ug/L	10.0	ND	101	70-130
1,2,3-Trichlorobenzene	11.6		0.500	ug/L	10.0	ND	116	67-134
1,2,3-Trichloropropane	11.6		0.500	ug/L	10.0	ND	116	69-137
1,2,4-Trichlorobenzene	10.5		0.500	ug/L	10.0	ND	105	70-130
1,2,4-Trimethylbenzene	9.99		0.500	ug/L	10.0	ND	99.9	40-140
DBCP (screening)	11.5		0.500	ug/L	10.0	ND	115	55-146
m-Dichlorobenzene	9.90		0.500	ug/L	10.0	ND	99.0	70-130
1,1-Dichloroethane	9.88		0.500	ug/L	10.0	ND	98.8	70-130
Tetrachloroethylene	9.15		0.500	ug/L	10.0	ND	91.5	70-130
Naphthalene	12.7		0.500	ug/L	10.0	ND	127	56-147
n-Butylbenzene	10.7		0.500	ug/L	10.0	ND	107	67-130

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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: BBC0507 - VOC (Continued)										
Matrix Spike (BBC0507-MS1)			Source: MBC0334-05		Prepared & Analyzed: 3/16/2021					
n-Propylbenzene	10.5		0.500	ug/L	10.0	ND	105	70-130		
o-Xylene (MCL for total)	10.3		0.500	ug/L	10.0	ND	103	62-127		
p-isopropyltoluene	10.5		0.500	ug/L	10.0	ND	105	70-130		
sec-Butylbenzene	10.5		0.500	ug/L	10.0	ND	105	70-130		
methyl-t-butyl ether (MTBE)	9.46		0.500	ug/L	10.0	ND	94.6	57-138		
tert-Butylbenzene	10.9		0.500	ug/L	10.0	ND	109	70-130		
trans-1,2 Dichloroethylene	9.88		0.500	ug/L	10.0	ND	98.8	70-130		
Toluene	9.80		0.500	ug/L	10.0	ND	98.0	70-130		
Carbon disulfide	8.51		0.500	ug/L	10.0	ND	85.1	70-130		
trans-1,3-Dichloropropene	10.4		0.500	ug/L	10.0	ND	104	61-131		
1,2-Dichloropropane	10.4		0.500	ug/L	10.0	ND	104	70-130		
Trichlorofluoromethane	9.60		0.500	ug/L	10.0	ND	96.0	50-154		
Styrene	9.91		0.500	ug/L	10.0	ND	99.1	30-130		
Chloroethane	9.62		0.500	ug/L	10.0	ND	96.2	68-138		
Trichloroethene	9.72		0.500	ug/L	10.0	ND	97.2	70-130		
Methyl isobutyl ketone (MIBK)	11.8		2.50	ug/L	10.0	ND	118	53-167		
Carbon Tetrachloride	10.6		0.500	ug/L	10.0	ND	106	70-130		
Chlorobenzene (Monochlorobenzene)	9.88		0.500	ug/L	10.0	ND	98.8	70-130		
Chloroform	10.2		0.500	ug/L	10.0	ND	102	70-130		
cis-1,2-Dichloroethylene	9.48		0.500	ug/L	10.0	ND	94.8	70-130		
cis-1,3-Dichloropropene	10.2		0.500	ug/L	10.0	ND	102	74-124		
Dibromochloromethane	11.0		0.500	ug/L	10.0	ND	110	70-130		
Dichlorodifluoromethane	9.97		0.500	ug/L	10.0	ND	99.7	57-136		
Ethylbenzene	10.2		0.500	ug/L	10.0	ND	102	70-130		
Hexachlorobutadiene	10.8		0.500	ug/L	10.0	ND	108	70-130		
Isopropylbenzene	10.3		0.500	ug/L	10.0	ND	103	70-130		
m/p Xylenes (MCL for total)	20.7		0.500	ug/L	20.0	ND	103	57-130		
Dibromomethane	9.66		0.500	ug/L	10.0	ND	96.6	70-130		
Methyl ethyl ketone (MEK)	12.6		2.50	ug/L	10.0	ND	126	47-165		
Surrogate: 4-Bromofluorobenzene			25.0	ug/L	25.0		100	70-130		
Surrogate: Toluene-d8			24.8	ug/L	25.0		99.1	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			19.5	ug/L	19.0		102	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: BBC0507 - VOC (Continued)										
Matrix Spike Dup (BBC0507-MSD1)			Source: MBC0334-05		Prepared & Analyzed: 3/16/2021					
1,2-Dichloropropane	10.2		0.500	ug/L	10.0	ND	102	70-130	1.75	25
1,3,5-Trimethylbenzene	9.70		0.500	ug/L	10.0	ND	97.0	40-140	5.61	25
m-Dichlorobenzene	9.52		0.500	ug/L	10.0	ND	95.2	70-130	3.91	25
1,3-Dichloropropane	10.1		0.500	ug/L	10.0	ND	101	70-130	7.17	25
Bromochloromethane	9.58		0.500	ug/L	10.0	ND	95.8	70-130	0.521	25
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.33		0.500	ug/L	10.0	ND	93.3	70-130	7.73	25
2,2-Dichloropropane	8.52		0.500	ug/L	10.0	ND	85.2	70-130	2.38	25
Acrylonitrile	11.1		0.500	ug/L	10.0	ND	111	65-137	5.51	25
2-hexanone	11.4		2.50	ug/L	10.0	ND	114	43-175	13.4	25
Bromobenzene	9.30		0.500	ug/L	10.0	ND	93.0	70-130	6.75	25
1,2-Dichloroethane	10.8		0.500	ug/L	10.0	ND	108	70-130	0.920	25
1,1-Dichloropropene	10.3		0.500	ug/L	10.0	ND	103	70-130	2.01	25
o-Chlorotoluene	10.2		0.500	ug/L	10.0	ND	102	70-130	4.21	25
1,1-Dichloroethylene	10.5		0.500	ug/L	10.0	ND	105	70-130	0.477	25
Bromodichloromethane	10.6		0.500	ug/L	10.0	ND	106	70-130	1.32	25
Benzene	9.76		0.500	ug/L	10.0	ND	97.6	70-130	2.33	25
1,1,1,2-Tetrachloroethane	9.74		0.500	ug/L	10.0	ND	97.4	70-130	7.60	25
1,1,1-Trichloroethane	9.92		0.500	ug/L	10.0	ND	99.2	70-130	0.810	25
1,1,2,2-Tetrachloroethane	10.3		0.500	ug/L	10.0	ND	103	67-136	14.4	25
1,2,3-Trichloropropane	10.0		0.500	ug/L	10.0	ND	100	69-137	14.8	25
1,1-Dichloroethane	9.84		0.500	ug/L	10.0	ND	98.4	70-130	0.406	25
1,2,3-Trichlorobenzene	9.72		0.500	ug/L	10.0	ND	97.2	67-134	17.4	25
1,2,4-Trichlorobenzene	9.60		0.500	ug/L	10.0	ND	96.0	70-130	8.57	25
1,2,4-Trimethylbenzene	9.76		0.500	ug/L	10.0	ND	97.6	40-140	2.33	25
DBCP (screening)	9.38		0.500	ug/L	10.0	ND	93.8	55-146	20.1	25
EDB (screening)	9.84		0.500	ug/L	10.0	ND	98.4	70-130	7.62	25
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.39		0.500	ug/L	10.0	ND	93.9	70-130	7.68	25
1,1,2-Trichloroethane	9.87		0.500	ug/L	10.0	ND	98.7	70-130	8.35	25
Tetrachloroethylene	9.08		0.500	ug/L	10.0	ND	90.8	70-130	0.768	25
Naphthalene	10.2		0.500	ug/L	10.0	ND	102	56-147	22.0	25
n-Butylbenzene	10.1		0.500	ug/L	10.0	ND	101	67-130	5.10	25
n-Propylbenzene	10.2		0.500	ug/L	10.0	ND	102	70-130	2.71	25
o-Xylene (MCL for total)	9.99		0.500	ug/L	10.0	ND	99.9	62-127	3.44	25
p-isopropyltoluene	10.2		0.500	ug/L	10.0	ND	102	70-130	3.57	25
Trichloroethene	9.57		0.500	ug/L	10.0	ND	95.7	70-130	1.56	25
methyl-t-butyl ether (MTBE)	9.02		0.500	ug/L	10.0	ND	90.2	57-138	4.76	25
Bromoform	10.3		0.500	ug/L	10.0	ND	103	59-140	12.8	25
sec-Butylbenzene	10.2		0.500	ug/L	10.0	ND	102	70-130	3.10	25
Toluene	9.74		0.500	ug/L	10.0	ND	97.4	70-130	0.614	25
trans-1,2 Dichloroethylene	9.96		0.500	ug/L	10.0	ND	99.6	70-130	0.806	25
trans-1,3-Dichloropropene	9.70		0.500	ug/L	10.0	ND	97.0	61-131	7.06	25
Trichlorofluoromethane	9.66		0.500	ug/L	10.0	ND	96.6	50-154	0.623	25
Vinyl Chloride	10.2		0.500	ug/L	10.0	ND	102	70-130	1.85	25
p-Chlorotoluene	10.1		0.500	ug/L	10.0	ND	101	70-130	4.84	25
Styrene	9.24		0.500	ug/L	10.0	ND	92.4	30-130	7.00	25
Chloroform	10.1		0.500	ug/L	10.0	ND	101	70-130	1.28	25
tert-Butylbenzene	10.5		0.500	ug/L	10.0	ND	105	70-130	3.36	25
Carbon disulfide	9.36		0.500	ug/L	10.0	ND	93.6	70-130	9.51	25
Methyl isobutyl ketone (MIBK)	10.3		2.50	ug/L	10.0	ND	103	53-167	13.6	25
Chlorobenzene (Monochlorobenzene)	9.58		0.500	ug/L	10.0	ND	95.8	70-130	3.08	25

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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: BBC0507 - VOC (Continued)										
Matrix Spike Dup (BBC0507-MSD1)			Source: MBC0334-05		Prepared & Analyzed: 3/16/2021					
Carbon Tetrachloride	10.6		0.500	ug/L	10.0	ND	106	70-130	0.0941	25
Chloroethane	9.99		0.500	ug/L	10.0	ND	99.9	68-138	3.77	25
cis-1,2-Dichloroethylene	9.59		0.500	ug/L	10.0	ND	95.9	70-130	1.15	25
cis-1,3-Dichloropropene	9.81		0.500	ug/L	10.0	ND	98.1	74-124	4.19	25
Dibromochloromethane	10.1		0.500	ug/L	10.0	ND	101	70-130	8.79	25
Dibromomethane	9.43		0.500	ug/L	10.0	ND	94.3	70-130	2.41	25
Dichlorodifluoromethane	10.3		0.500	ug/L	10.0	ND	103	57-136	3.06	25
Ethylbenzene	9.87		0.500	ug/L	10.0	ND	98.7	70-130	3.19	25
Hexachlorobutadiene	10.5		0.500	ug/L	10.0	ND	105	70-130	2.62	25
Isopropylbenzene	9.91		0.500	ug/L	10.0	ND	99.1	70-130	3.47	25
m/p Xylenes (MCL for total)	20.1		0.500	ug/L	20.0	ND	101	57-130	2.65	25
Methyl ethyl ketone (MEK)	11.1		2.50	ug/L	10.0	ND	111	47-165	11.9	25
Surrogate: 4-Bromofluorobenzene			25.3	ug/L	25.0		101	70-130		
Surrogate: Toluene-d8			25.0	ug/L	25.0		99.9	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			19.6	ug/L	19.0		103	70-130		

Batch: BBC0520 - VOC

Blank (BBC0520-BLK1)

Prepared & Analyzed: 3/17/2021

Bromodichloromethane	ND	0.500	ug/L
Dibromomethane	ND	0.500	ug/L
Dibromochloromethane	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
Dichlorodifluoromethane	ND	0.500	ug/L
Chloroform	ND	0.500	ug/L
Bromobenzene	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
Carbon disulfide	ND	0.500	ug/L
Bromoform	ND	0.500	ug/L
Bromochloromethane	ND	0.500	ug/L
Bromomethane	ND	0.500	ug/L
Naphthalene	ND	0.500	ug/L
tert-Butylbenzene	ND	0.500	ug/L
Styrene	ND	0.500	ug/L
sec-Butylbenzene	ND	0.500	ug/L
1,2,4-Trichlorobenzene	ND	0.500	ug/L
Tetrachloroethylene	ND	0.500	ug/L
Benzene	ND	0.500	ug/L
o-Xylene (MCL for total)	ND	0.500	ug/L
p-isopropyltoluene	ND	0.500	ug/L
n-Butylbenzene	ND	0.500	ug/L
Ethylbenzene	ND	0.500	ug/L
methyl-t-butyl ether (MTBE)	ND	0.500	ug/L
Methylene Chloride (Dichloromethane)	ND	2.50	ug/L
Methyl isobutyl ketone (MIBK)	ND	2.50	ug/L
Methyl ethyl ketone (MEK)	ND	2.50	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: BBC0520 - VOC (Continued)										
Blank (BBC0520-BLK1)					Prepared & Analyzed: 3/17/2021					
m/p Xylenes (MCL for total)	ND		0.500	ug/L						
Isopropylbenzene	ND		0.500	ug/L						
Hexachlorobutadiene	ND		0.500	ug/L						
n-Propylbenzene	ND		0.500	ug/L						
Vinyl Chloride	ND		0.500	ug/L						
DBCP (screening)	ND		0.500	ug/L						
1,1-Dichloropropene	ND		0.500	ug/L						
1,1-Dichloroethylene	ND		0.500	ug/L						
1,1-Dichloroethane	ND		0.500	ug/L						
1,1,2-Trichloroethane	ND		0.500	ug/L						
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L						
1,2,3-Trichloropropane	ND		0.500	ug/L						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L						
1,2,4-Trimethylbenzene	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						
1,1,1-Trichloroethane	ND		0.500	ug/L						
1,3-Dichloropropane	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
p-Chlorotoluene	ND		0.500	ug/L						
2-hexanone	ND		2.50	ug/L						
o-Chlorotoluene	ND		0.500	ug/L						
1,2,3-Trichlorobenzene	ND		0.500	ug/L						
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND		0.500	ug/L						
Acrylonitrile	ND		0.500	ug/L						
m-Dichlorobenzene	ND		0.500	ug/L						
1,3,5-Trimethylbenzene	ND		0.500	ug/L						
1,2-Dichloropropane	ND		0.500	ug/L						
1,2-Dichloroethane	ND		0.500	ug/L						
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND		0.500	ug/L						
EDB (screening)	ND		0.500	ug/L						
2,2-Dichloropropane	ND		0.500	ug/L						
Surrogate: Toluene-d8			24.4	ug/L	25.0		97.6	70-130		
Surrogate: 4-Bromofluorobenzene			23.4	ug/L	25.0		93.7	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.7	ug/L	19.0		109	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: BBC0520 - VOC (Continued)										
LCS (BBC0520-BS1)					Prepared & Analyzed: 3/17/2021					
trans-1,2 Dichloroethylene	10.0		0.500	ug/L	10.0		100	80-120		
cis-1,3-Dichloropropene	9.54		0.500	ug/L	10.0		95.4	79-123		
Bromoform	9.44		0.500	ug/L	10.0		94.4	68-133		
Isopropylbenzene	9.90		0.500	ug/L	10.0		99.0	80-120		
Hexachlorobutadiene	9.58		0.500	ug/L	10.0		95.8	80-120		
Ethylbenzene	10.0		0.500	ug/L	10.0		100	80-120		
Dichlorodifluoromethane	9.15		0.500	ug/L	10.0		91.5	57-130		
Methyl isobutyl ketone (MIBK)	9.65		2.50	ug/L	10.0		96.5	70-136		
Dibromochloromethane	9.86		0.500	ug/L	10.0		98.6	80-121		
Naphthalene	8.81		0.500	ug/L	10.0		88.1	66-133		
cis-1,2-Dichloroethylene	9.42		0.500	ug/L	10.0		94.2	80-120		
Chloroform	10.3		0.500	ug/L	10.0		103	80-120		
Chloroethane	9.37		0.500	ug/L	10.0		93.7	78-120		
Chlorobenzene (Monochlorobenzene)	9.73		0.500	ug/L	10.0		97.3	80-120		
Carbon Tetrachloride	10.3		0.500	ug/L	10.0		103	80-120		
Carbon disulfide	7.74		0.500	ug/L	10.0		77.4	80-120		
Dibromomethane	9.58		0.500	ug/L	10.0		95.8	80-120		
tert-Butylbenzene	10.5		0.500	ug/L	10.0		105	80-120		
Trichloroethene	9.62		0.500	ug/L	10.0		96.2	80-120		
Vinyl Chloride	9.49		0.500	ug/L	10.0		94.9	75-120		
Trichlorofluoromethane	10.5		0.500	ug/L	10.0		105	61-140		
trans-1,3-Dichloropropene	9.34		0.500	ug/L	10.0		93.4	69-130		
m/p Xylenes (MCL for total)	20.4		0.500	ug/L	20.0		102	80-120		
Tetrachloroethylene	9.69		0.500	ug/L	10.0		96.9	80-120		
Methyl ethyl ketone (MEK)	10.1		2.50	ug/L	10.0		101	55-154		
Styrene	9.83		0.500	ug/L	10.0		98.3	80-120		
sec-Butylbenzene	10.2		0.500	ug/L	10.0		102	80-120		
p-isopropyltoluene	9.92		0.500	ug/L	10.0		99.2	80-120		
o-Xylene (MCL for total)	10.2		0.500	ug/L	10.0		102	80-120		
n-Propylbenzene	10.4		0.500	ug/L	10.0		104	80-120		
n-Butylbenzene	10.0		0.500	ug/L	10.0		100	74-122		
Toluene	9.82		0.500	ug/L	10.0		98.2	80-120		
1,1-Dichloropropene	10.4		0.500	ug/L	10.0		104	80-120		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.53		0.500	ug/L	10.0		95.3	80-120		
EDB (screening)	9.88		0.500	ug/L	10.0		98.8	70-130		
DBCP (screening)	8.74		0.500	ug/L	10.0		87.4	71-128		
1,1,1-Trichloroethane	9.56		0.500	ug/L	10.0		95.6	80-120		
1,2-Dichloroethane	11.1		0.500	ug/L	10.0		111	80-120		
1,2,3-Trichlorobenzene	9.06		0.500	ug/L	10.0		90.6	78-120		
1,2,4-Trimethylbenzene	10.3		0.500	ug/L	10.0		103	80-120		
1,1-Dichloroethylene	10.5		0.500	ug/L	10.0		105	70-129		
1,1-Dichloroethane	9.83		0.500	ug/L	10.0		98.3	80-120		
1,1,2-Trichloroethane	10.3		0.500	ug/L	10.0		103	80-120		
1,1,2,2-Tetrachloroethane	10.2		0.500	ug/L	10.0		102	77-123		
Bromodichloromethane	10.5		0.500	ug/L	10.0		105	80-120		
methyl-t-butyl ether (MTBE)	8.69		0.500	ug/L	10.0		86.9	71-130		
1,2,4-Trichlorobenzene	8.85		0.500	ug/L	10.0		88.5	80-120		
Benzene	9.88		0.500	ug/L	10.0		98.8	80-120		
Bromochloromethane	9.81		0.500	ug/L	10.0		98.1	80-120		
1,2,3-Trichloropropane	9.75		0.500	ug/L	10.0		97.5	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: BBC0520 - VOC (Continued)										
LCS (BBC0520-BS1)					Prepared & Analyzed: 3/17/2021					
Bromobenzene	9.42		0.500	ug/L	10.0		94.2	80-120		
1,1,1,2-Tetrachloroethane	10.1		0.500	ug/L	10.0		101	80-120		
Acrylonitrile	10.4		0.500	ug/L	10.0		104	73-131		
p-Chlorotoluene	10.4		0.500	ug/L	10.0		104	80-124		
2-hexanone	10.3		2.50	ug/L	10.0		103	65-140		
2,2-Dichloropropane	7.80		0.500	ug/L	10.0		78.0	80-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.35		0.500	ug/L	10.0		93.5	80-120		
1,3-Dichloropropane	10.4		0.500	ug/L	10.0		104	80-120		
m-Dichlorobenzene	9.38		0.500	ug/L	10.0		93.8	80-120		
1,3,5-Trimethylbenzene	10.3		0.500	ug/L	10.0		103	80-121		
1,2-Dichloropropane	10.3		0.500	ug/L	10.0		103	80-120		
o-Chlorotoluene	10.3		0.500	ug/L	10.0		103	80-120		
Surrogate: Toluene-d8			25.1	ug/L	25.0		100	70-130		
Surrogate: 4-Bromofluorobenzene			25.3	ug/L	25.0		101	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			19.6	ug/L	19.0		103	70-130		

Matrix Spike (BBC0520-MS1)

Source: MBC0334-09

Prepared & Analyzed: 3/17/2021

Acrylonitrile	10.0		0.500	ug/L	10.0	ND	100	65-137
1,2-Dichloropropane	9.91		0.500	ug/L	10.0	ND	99.1	70-130
1,3,5-Trimethylbenzene	8.83		0.500	ug/L	10.0	ND	88.3	40-140
m-Dichlorobenzene	9.10		0.500	ug/L	10.0	ND	91.0	70-130
1,3-Dichloropropane	9.73		0.500	ug/L	10.0	ND	97.3	70-130
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.07		0.500	ug/L	10.0	ND	90.7	70-130
2,2-Dichloropropane	7.53		0.500	ug/L	10.0	ND	75.3	70-130
o-Chlorotoluene	9.91		0.500	ug/L	10.0	ND	99.1	70-130
2-hexanone	10.3		2.50	ug/L	10.0	ND	103	43-175
Bromobenzene	8.94		0.500	ug/L	10.0	ND	89.4	70-130
p-Chlorotoluene	9.79		0.500	ug/L	10.0	ND	97.9	70-130
Benzene	9.39		0.500	ug/L	10.0	ND	93.9	70-130
Bromochloromethane	9.30		0.500	ug/L	10.0	ND	93.0	70-130
1,2-Dichloroethane	10.6		0.500	ug/L	10.0	ND	106	70-130
1,2,3-Trichlorobenzene	8.09		0.500	ug/L	10.0	ND	80.9	67-134
Carbon disulfide	9.63		0.500	ug/L	10.0	ND	96.3	70-130
Bromoform	9.78		0.500	ug/L	10.0	ND	97.8	59-140
1,1,1,2-Tetrachloroethane	9.26		0.500	ug/L	10.0	ND	92.6	70-130
1,1,2,2-Tetrachloroethane	10.1		0.500	ug/L	10.0	ND	101	67-136
1,1,2-Trichloroethane	9.73		0.500	ug/L	10.0	ND	97.3	70-130
1,1-Dichloroethane	9.43		0.500	ug/L	10.0	ND	94.3	70-130
1,1,1-Trichloroethane	9.01		0.500	ug/L	10.0	ND	90.1	70-130
1,1-Dichloropropene	9.74		0.500	ug/L	10.0	ND	97.4	70-130
1,2,3-Trichloropropane	9.49		0.500	ug/L	10.0	ND	94.9	69-137
1,2,4-Trichlorobenzene	8.51		0.500	ug/L	10.0	ND	85.1	70-130
1,2,4-Trimethylbenzene	8.93		0.500	ug/L	10.0	ND	89.3	40-140
DBCP (screening)	8.19		0.500	ug/L	10.0	ND	81.9	55-146
EDB (screening)	9.28		0.500	ug/L	10.0	ND	92.8	70-130
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.17		0.500	ug/L	10.0	ND	91.7	70-130
1,1-Dichloroethylene	9.97		0.500	ug/L	10.0	ND	99.7	70-130
Toluene	9.25		0.500	ug/L	10.0	ND	92.5	70-130
n-Butylbenzene	9.40		0.500	ug/L	10.0	ND	94.0	67-130
n-Propylbenzene	9.74		0.500	ug/L	10.0	ND	97.4	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: BBC0520 - VOC (Continued)										
Matrix Spike (BBC0520-MS1)			Source: MBC0334-09			Prepared & Analyzed: 3/17/2021				
o-Xylene (MCL for total)	9.45		0.500	ug/L	10.0	ND	94.5	62-127		
p-isopropyltoluene	9.54		0.500	ug/L	10.0	ND	95.4	70-130		
sec-Butylbenzene	9.56		0.500	ug/L	10.0	ND	95.6	70-130		
Styrene	6.83		0.500	ug/L	10.0	ND	68.3	30-130		
Naphthalene	7.84		0.500	ug/L	10.0	ND	78.4	56-147		
Tetrachloroethylene	8.43		0.500	ug/L	10.0	ND	84.3	70-130		
Trichlorofluoromethane	9.09		0.500	ug/L	10.0	ND	90.9	50-154		
trans-1,2 Dichloroethylene	9.44		0.500	ug/L	10.0	ND	94.4	70-130		
trans-1,3-Dichloropropene	8.77		0.500	ug/L	10.0	ND	87.7	61-131		
Trichloroethene	9.11		0.500	ug/L	10.0	ND	91.1	70-130		
Vinyl Chloride	9.52		0.500	ug/L	10.0	ND	95.2	70-130		
Bromodichloromethane	10.2		0.500	ug/L	10.0	ND	102	70-130		
tert-Butylbenzene	9.95		0.500	ug/L	10.0	ND	99.5	70-130		
cis-1,3-Dichloropropene	9.46		0.500	ug/L	10.0	ND	94.6	74-124		
methyl-t-butyl ether (MTBE)	8.65		0.500	ug/L	10.0	ND	86.5	57-138		
Carbon Tetrachloride	9.63		0.500	ug/L	10.0	ND	96.3	70-130		
Chloroethane	9.92		0.500	ug/L	10.0	ND	99.2	68-138		
cis-1,2-Dichloroethylene	9.06		0.500	ug/L	10.0	ND	90.6	70-130		
Chlorobenzene (Monochlorobenzene)	9.36		0.500	ug/L	10.0	ND	93.6	70-130		
Dibromochloromethane	9.78		0.500	ug/L	10.0	ND	97.8	70-130		
Dibromomethane	9.05		0.500	ug/L	10.0	ND	90.5	70-130		
Dichlorodifluoromethane	8.93		0.500	ug/L	10.0	ND	89.3	57-136		
Ethylbenzene	9.51		0.500	ug/L	10.0	ND	95.1	70-130		
Hexachlorobutadiene	8.98		0.500	ug/L	10.0	ND	89.8	70-130		
Isopropylbenzene	9.33		0.500	ug/L	10.0	ND	93.3	70-130		
m/p Xylenes (MCL for total)	18.9		0.500	ug/L	20.0	ND	94.6	57-130		
Methyl ethyl ketone (MEK)	9.52		2.50	ug/L	10.0	ND	95.2	47-165		
Methyl isobutyl ketone (MIBK)	9.60		2.50	ug/L	10.0	ND	96.0	53-167		
Chloroform	9.81		0.500	ug/L	10.0	ND	98.1	70-130		
Surrogate: 4-Bromofluorobenzene			25.4	ug/L	25.0		102	70-130		
Surrogate: Toluene-d8			25.0	ug/L	25.0		100	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			19.5	ug/L	19.0		102	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: BBC0520 - VOC (Continued)										
Matrix Spike Dup (BBC0520-MSD1)			Source: MBC0334-09		Prepared & Analyzed: 3/17/2021					
o-Chlorotoluene	10.8		0.500	ug/L	10.0	ND	108	70-130	8.87	25
1,3,5-Trimethylbenzene	9.89		0.500	ug/L	10.0	ND	98.9	40-140	11.3	25
m-Dichlorobenzene	9.74		0.500	ug/L	10.0	ND	97.4	70-130	6.79	25
1,3-Dichloropropane	11.2		0.500	ug/L	10.0	ND	112	70-130	14.0	25
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.74		0.500	ug/L	10.0	ND	97.4	70-130	7.12	25
2,2-Dichloropropane	8.48		0.500	ug/L	10.0	ND	84.8	70-130	11.9	25
2-hexanone	12.9		2.50	ug/L	10.0	ND	129	43-175	22.5	25
p-Chlorotoluene	10.7		0.500	ug/L	10.0	ND	107	70-130	8.51	25
Acrylonitrile	12.2		0.500	ug/L	10.0	ND	122	65-137	19.8	25
Benzene	10.4		0.500	ug/L	10.0	ND	104	70-130	10.4	25
1,2-Dichloropropane	10.7		0.500	ug/L	10.0	ND	107	70-130	7.67	25
Bromochloromethane	9.74		0.500	ug/L	10.0	ND	97.4	70-130	4.62	25
1,2,3-Trichlorobenzene	10.6		0.500	ug/L	10.0	ND	106	67-134	26.8	25
Bromobenzene	10.0		0.500	ug/L	10.0	ND	100	70-130	11.6	25
1,2,3-Trichloropropane	11.1		0.500	ug/L	10.0	ND	111	69-137	15.4	25
methyl-t-butyl ether (MTBE)	9.53		0.500	ug/L	10.0	ND	95.3	57-138	9.68	25
Bromodichloromethane	10.8		0.500	ug/L	10.0	ND	108	70-130	5.43	25
1,1,1-Trichloroethane	10.0		0.500	ug/L	10.0	ND	100	70-130	10.4	25
1,1,2,2-Tetrachloroethane	11.6		0.500	ug/L	10.0	ND	116	67-136	14.1	25
1,1,2-Trichloroethane	11.0		0.500	ug/L	10.0	ND	110	70-130	12.7	25
1,1-Dichloroethane	10.2		0.500	ug/L	10.0	ND	102	70-130	7.45	25
1,2,4-Trichlorobenzene	9.74		0.500	ug/L	10.0	ND	97.4	70-130	13.5	25
1,1-Dichloropropene	11.0		0.500	ug/L	10.0	ND	110	70-130	12.2	25
1,2-Dichloroethane	11.4		0.500	ug/L	10.0	ND	114	70-130	6.92	25
Vinyl Chloride	10.8		0.500	ug/L	10.0	ND	108	70-130	12.8	25
1,2,4-Trimethylbenzene	9.98		0.500	ug/L	10.0	ND	99.8	40-140	11.1	25
DBCP (screening)	10.3		0.500	ug/L	10.0	ND	103	55-146	22.4	25
EDB (screening)	10.8		0.500	ug/L	10.0	ND	108	70-130	15.0	25
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.82		0.500	ug/L	10.0	ND	98.2	70-130	6.85	25
1,1-Dichloroethylene	11.5		0.500	ug/L	10.0	ND	115	70-130	14.3	25
Tetrachloroethylene	9.73		0.500	ug/L	10.0	ND	97.3	70-130	14.3	25
n-Butylbenzene	10.7		0.500	ug/L	10.0	ND	107	67-130	12.6	25
n-Propylbenzene	10.9		0.500	ug/L	10.0	ND	109	70-130	11.3	25
o-Xylene (MCL for total)	10.4		0.500	ug/L	10.0	ND	104	62-127	9.28	25
p-isopropyltoluene	10.8		0.500	ug/L	10.0	ND	108	70-130	12.7	25
sec-Butylbenzene	10.8		0.500	ug/L	10.0	ND	108	70-130	11.8	25
Methyl ethyl ketone (MEK)	13.0		2.50	ug/L	10.0	ND	130	47-165	30.8	25
tert-Butylbenzene	11.3		0.500	ug/L	10.0	ND	113	70-130	12.4	25
Methyl isobutyl ketone (MIBK)	11.5		2.50	ug/L	10.0	ND	115	53-167	17.8	25
Toluene	10.1		0.500	ug/L	10.0	ND	101	70-130	8.69	25
trans-1,2 Dichloroethylene	10.4		0.500	ug/L	10.0	ND	104	70-130	10.1	25
trans-1,3-Dichloropropene	9.97		0.500	ug/L	10.0	ND	99.7	61-131	12.8	25
Trichloroethene	10.0		0.500	ug/L	10.0	ND	100	70-130	9.71	25
Trichlorofluoromethane	11.1		0.500	ug/L	10.0	ND	111	50-154	19.9	25
Styrene	8.00		0.500	ug/L	10.0	ND	80.0	30-130	15.8	25
Dibromomethane	9.80		0.500	ug/L	10.0	ND	98.0	70-130	7.96	25
Carbon disulfide	9.62		0.500	ug/L	10.0	ND	96.2	70-130	0.104	25
Carbon Tetrachloride	10.9		0.500	ug/L	10.0	ND	109	70-130	12.2	25
Chlorobenzene (Monochlorobenzene)	10.3		0.500	ug/L	10.0	ND	103	70-130	9.17	25
Chloroethane	10.1		0.500	ug/L	10.0	ND	101	68-138	1.80	25

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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: BBC0520 - VOC (Continued)										
Matrix Spike Dup (BBC0520-MSD1)			Source: MBC0334-09		Prepared & Analyzed: 3/17/2021					
Chloroform	10.4		0.500	ug/L	10.0	ND	104	70-130	6.22	25
cis-1,2-Dichloroethylene	9.76		0.500	ug/L	10.0	ND	97.6	70-130	7.44	25
Naphthalene	10.4		0.500	ug/L	10.0	ND	104	56-147	27.8	25
Dibromochloromethane	11.0		0.500	ug/L	10.0	ND	110	70-130	12.1	25
1,1,1,2-Tetrachloroethane	10.8		0.500	ug/L	10.0	ND	108	70-130	15.0	25
Dichlorodifluoromethane	9.40		0.500	ug/L	10.0	ND	94.0	57-136	5.13	25
Ethylbenzene	10.5		0.500	ug/L	10.0	ND	105	70-130	9.70	25
Hexachlorobutadiene	10.7		0.500	ug/L	10.0	ND	107	70-130	17.7	25
Isopropylbenzene	10.5		0.500	ug/L	10.0	ND	105	70-130	11.9	25
m/p Xylenes (MCL for total)	21.0		0.500	ug/L	20.0	ND	105	57-130	10.5	25
Bromoform	11.4		0.500	ug/L	10.0	ND	114	59-140	15.6	25
cis-1,3-Dichloropropene	10.2		0.500	ug/L	10.0	ND	102	74-124	7.72	25
Surrogate: 4-Bromofluorobenzene			25.6	ug/L	25.0		103	70-130		
Surrogate: Toluene-d8			24.7	ug/L	25.0		98.8	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			19.2	ug/L	19.0		101	70-130		

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

MBC0334



Due: 03/24/21

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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 # K273521 88761
OF COOLERS: 2 8867

PAGE 1 OF 2

PARAMETERS: METHOD: BOTTLES: LAB: PRESERVATION:	DATE	TIME	VOLATILES	SEMI VOLATILES	SAMPLERS: M. TERRIS K. MCCARTY G. Fisette		
			8260C	BEHP 8270D			
			3-40 ml. VOA'S	1 LITER AMBER GLASS			
			ANATEK LAB	ANATEK LAB			
			HCL pH<2	UNPRESERVED	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
GWDW-001-210309	3/9	0930	X	X	4	17	
GWDW-002-210309	3/9	1020	X	X	4	17	
GWDW-003-210309	3/9	1120	X	X	4	17	
GWMS-004-210309	3/9	1320	X	X	4	17	
GW MW-009-210309	3/9	1137	X	X	12	4	MS/MSD
GW MW-010-210309	3/9	1105	X	X	3	4	
GW MW-013-210309	3/9	1031	X	X	3	4	
GW MW-014-210309	3/9	0801	X	X	3	4	
GW MW-019R-210309	3/9	1327	X	X	3	4	
GW MW-020-210309	3/9	1259	X	X	3	4	
GW MW-029-210309	3/9	1133	X	X	4	17	

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

RELINQUISHED BY:

SIGNATURE: *Mike S. Terris* DATE: 3/10/2021

PRINT NAME: MIKE S. TERRIS TIME: 1300

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY: *Hannah Sullivan*

SIGNATURE: *HS* DATE: 3/11/21

PRINT NAME: TIME: 1012

COMPANY: Anatek

*All VOC's in Cooler #4

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

MBC0334



Due: 03/24/21

Page 53 of 55

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 # K07352188761
OF COOLERS: 2 8867

PAGE 2 OF 2

PARAMETERS: METHOD: BOTTLES: LAB: PRESERVATION:			VOLATILES	SEMI VOLATILES	SAMPLERS: <u>M. TERRIS</u> <u>K. MCCARTY</u> <u>G. FISSETTE</u>		
			8260C	BEHP 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					
GW MW-031-210309	3/9	0841	✓		3	4	
GW MS-005-210310	3/10	0833	✓	✓	4	17	
GW MW-016-210310	3/10	0913	✓		3	4	
GW MW-023-210310	3/10	1005	✓		3	4	
GW MWS-1-1-210310	3/10	0951	✓		3	4	
MWS-1-2-210310	3/10	0811	✓	✓	4	17	
MWS-2-1-210310	3/10	—	✓		2	4	TRIP-BLANKS

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

RELINQUISHED BY:

SIGNATURE: Mike S. Terris DATE: 3/10/2021

PRINT NAME: MIKE S. TERRIS TIME: 1300

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY: Hannah Sullivan

SIGNATURE: HS DATE: 3/11/21

PRINT NAME: TIME: 1012

COMPANY: Anatek

* All VOC's in cooler #4



Sample Receipt and Preservation Form

MBC0334



Due: 03/24/21

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): 3.1 Cooler Temp Corrected (°C): — Thermometer Used: IR-5

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>62</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:

HCl → 8260

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

GW MW-009-210309 : VOA HCl x 9 → 8260
G1000ML x 3 → BEHP/8270

Received/Inspected By: HS Date/Time: 3/11/21 1012



Due: 03/24/21



Anatek Labs, Inc.

Sample Receipt and Preservation Form

Client Name: Spoken County Project: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): 2.3 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: 7Chain 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:

None

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

BEHP → 5/2 x 7Received/Inspected By: CS Date/Time: 03/12/2021 1011



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

Work Order: **X1C0275**
Reported: 29-Mar-21 13:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWMS-005-210310	X1C0275-01	Ground Water	10-Mar-21 08:33	MT/GF/ KM	15-Mar-2021	
GWMW-016-210310	X1C0275-02	Ground Water	10-Mar-21 09:13	MT/GF/ KM	15-Mar-2021	
GWMW-023-210310	X1C0275-03	Ground Water	10-Mar-21 10:05	MT/GF/ KM	15-Mar-2021	
MWS-1-1-210310	X1C0275-04	Ground Water	10-Mar-21 09:51	MT/GF/ KM	15-Mar-2021	
MWS-1-2-210310	X1C0275-05	Ground Water	10-Mar-21 08:11	MT/GF/ KM	15-Mar-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.

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

Case Narrative: X1C0275

SVL is not certified for Mercury 7470A in Washington.



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

Work Order: **X1C0275**
Reported: 29-Mar-21 13:01

Client Sample ID: **GWMS-005-210310**

Sampled: 10-Mar-21 08:33

Received: 15-Mar-21

Sampled By: MT/GF/KM

SVL Sample ID: **X1C0275-01 (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		X112219	AM	03/23/21 13:42	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0516	mg/L	0.0040	0.0019		X112058	AS	03/24/21 09:36	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112058	AS	03/24/21 08:01	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X112058	AS	03/24/21 08:01	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112058	AS	03/24/21 08:01	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112058	AS	03/24/21 08:01	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:19	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113067	DT	03/25/21 17:25	
SM 2320 B	Total Alkalinity	102	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:21	
SM 2320 B	Bicarbonate	102	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:21	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:21	
SM 2540 C	Total Diss. Solids	225	mg/L	10			X112081	TJL	03/16/21 16:00	
SM 5310B	Total Organic Carbon	< 3.00	mg/L	3.00	1.15	3	X113048	MWD	03/23/21 14:40	D
Anions by Ion Chromatography										
EPA 300.0	Chloride	22.5	mg/L	2.00	1.40	10	X112082	RS	03/16/21 14:35	D2
EPA 300.0	Nitrate as N	1.68	mg/L	0.050	0.043		X112082	RS	03/16/21 14:17	H3
EPA 300.0	Sulfate as SO₄	17.8	mg/L	0.30	0.18		X112082	RS	03/16/21 14:17	

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

Herman J. Haring
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: **X1C0275**
Reported: 29-Mar-21 13:01

Client Sample ID: **GWMW-016-210310**

Sampled: 10-Mar-21 09:13

Received: 15-Mar-21

Sampled By: MT/GF/KM

SVL Sample ID: **X1C0275-02 (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		X112219	AM	03/23/21 12:48	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.624	mg/L	0.0040	0.0019		X112058	AS	03/24/21 09:46	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112058	AS	03/24/21 08:13	
EPA 6010D	Manganese	0.411	mg/L	0.0080	0.0034		X112058	AS	03/24/21 08:13	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112058	AS	03/24/21 08:13	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112058	AS	03/24/21 08:13	
EPA 6020B	Arsenic	0.0567	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	0.465	mg/L	0.030	0.013		X113067	DT	03/25/21 17:27	
SM 2320 B	Total Alkalinity	1290	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:26	
SM 2320 B	Bicarbonate	1290	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:26	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:26	
SM 2540 C	Total Diss. Solids	1540	mg/L	40			X112081	TJL	03/16/21 16:00	D2
SM 5310B	Total Organic Carbon	34.7	mg/L	1.00	0.38		X113048	MWD	03/23/21 14:54	

Anions by Ion Chromatography

EPA 300.0	Chloride	154	mg/L	10.0	7.00	50	X112082	RS	03/16/21 15:11	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X112082	RS	03/16/21 14:53	H3
EPA 300.0	Sulfate as SO ₄	0.35	mg/L	0.30	0.18		X112082	RS	03/16/21 14:53	

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: **X1C0275**
Reported: 29-Mar-21 13:01

Client Sample ID: **GWMW-023-210310**

Sampled: 10-Mar-21 10:05

Received: 15-Mar-21

Sampled By: MT/GF/KM

SVL Sample ID: **X1C0275-03 (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		X112219	AM	03/23/21 12:50	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.141	mg/L	0.0040	0.0019		X112058	AS	03/24/21 09:49	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112058	AS	03/24/21 08:18	
EPA 6010D	Manganese	0.906	mg/L	0.0080	0.0034		X112058	AS	03/24/21 08:18	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112058	AS	03/24/21 08:18	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112058	AS	03/24/21 08:18	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:23	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113067	DT	03/25/21 17:29	
SM 2320 B	Total Alkalinity	340	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:34	
SM 2320 B	Bicarbonate	340	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:34	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:34	
SM 2540 C	Total Diss. Solids	453	mg/L	10			X112081	TJL	03/16/21 16:00	
SM 5310B	Total Organic Carbon	3.82	mg/L	1.00	0.38		X113048	MWD	03/23/21 15:07	

Anions by Ion Chromatography

EPA 300.0	Chloride	49.1	mg/L	2.00	1.40	10	X112082	RS	03/16/21 15:47	D2
EPA 300.0	Nitrate as N	0.342	mg/L	0.050	0.043		X112082	RS	03/16/21 15:29	H3
EPA 300.0	Sulfate as SO₄	8.89	mg/L	0.30	0.18		X112082	RS	03/16/21 15:29	

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

Herman J. Haring
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: **X1C0275**
Reported: 29-Mar-21 13:01

Client Sample ID: **MWS-1-1-210310**

Sampled: 10-Mar-21 09:51

Received: 15-Mar-21

Sampled By: MT/GF/KM

SVL Sample ID: **X1C0275-04 (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		X112219	AM	03/23/21 12:55	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.141	mg/L	0.0040	0.0019		X112058	AS	03/24/21 09:53	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112058	AS	03/24/21 08:22	
EPA 6010D	Manganese	0.895	mg/L	0.0080	0.0034		X112058	AS	03/24/21 08:22	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112058	AS	03/24/21 08:22	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112058	AS	03/24/21 08:22	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:25	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113067	DT	03/25/21 17:31	
SM 2320 B	Total Alkalinity	343	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:42	
SM 2320 B	Bicarbonate	343	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:42	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:42	
SM 2540 C	Total Diss. Solids	460	mg/L	10			X112081	TJL	03/16/21 16:00	
SM 5310B	Total Organic Carbon	2.95	mg/L	1.00	0.38		X113048	MWD	03/23/21 15:20	

Anions by Ion Chromatography

EPA 300.0	Chloride	49.8	mg/L	2.00	1.40	10	X112082	RS	03/16/21 17:40	D2,M4
EPA 300.0	Nitrate as N	0.348	mg/L	0.050	0.043		X112082	RS	03/16/21 17:22	H3
EPA 300.0	Sulfate as SO₄	8.76	mg/L	0.30	0.18		X112082	RS	03/16/21 17:22	

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: **X1C0275**
Reported: 29-Mar-21 13:01

Client Sample ID: **MWS-1-2-210310**

Sampled: 10-Mar-21 08:11

Received: 15-Mar-21

Sampled By: MT/GF/KM

SVL Sample ID: **X1C0275-05 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X112219	AM	03/23/21 12:57	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0535	mg/L	0.0040	0.0019		X112058	AS	03/24/21 09:56	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X112058	AS	03/24/21 08:26	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X112058	AS	03/24/21 08:26	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X112058	AS	03/24/21 08:26	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X112058	AS	03/24/21 08:26	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X112062	JFB	03/19/21 14:32	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X113067	DT	03/25/21 17:33	
SM 2320 B	Total Alkalinity	103	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:50	
SM 2320 B	Bicarbonate	103	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X113032	KAG	03/23/21 16:50	
SM 2540 C	Total Diss. Solids	233	mg/L	10			X112081	TJL	03/16/21 16:00	
SM 5310B	Total Organic Carbon	1.38	mg/L	1.00	0.38		X113048	MWD	03/23/21 16:01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	22.4	mg/L	2.00	1.40	10	X112082	RS	03/16/21 16:22	D2
EPA 300.0	Nitrate as N	1.56	mg/L	0.050	0.043		X112082	RS	03/16/21 16:04	H3
EPA 300.0	Sulfate as SO₄	17.6	mg/L	0.30	0.18		X112082	RS	03/16/21 16:04	

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:

X1C0275

Reported:

29-Mar-21 13:01

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	X112219	23-Mar-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X112058	24-Mar-21	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X112058	24-Mar-21	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X112058	24-Mar-21	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X112058	24-Mar-21	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X112058	24-Mar-21	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X112062	19-Mar-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X113067	25-Mar-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	<1.0		1.0	X113032	23-Mar-21	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	<1.0		1.0	X113032	23-Mar-21	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0		1.0	X113032	23-Mar-21	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X112081	16-Mar-21	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X113048	23-Mar-21	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X113048	23-Mar-21	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.14	0.20	X112082	16-Mar-21	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X112082	16-Mar-21	
EPA 300.0	Sulfate as SO ₄	mg/L	<0.30	0.18	0.30	X112082	16-Mar-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	0.00452	0.00500	90.4	80 - 120	X112219	23-Mar-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.06	1.00	106	80 - 120	X112058	24-Mar-21	
EPA 6010D	Lead	mg/L	0.993	1.00	99.3	80 - 120	X112058	24-Mar-21	
EPA 6010D	Manganese	mg/L	0.984	1.00	98.4	80 - 120	X112058	24-Mar-21	
EPA 6010D	Vanadium	mg/L	1.05	1.00	105	80 - 120	X112058	24-Mar-21	
EPA 6010D	Zinc	mg/L	0.980	1.00	98.0	80 - 120	X112058	24-Mar-21	
EPA 6020B	Arsenic	mg/L	0.0251	0.0250	101	80 - 120	X112062	19-Mar-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.04	1.00	104	90 - 110	X113067	25-Mar-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	98.6	99.3	99.3	94.3 - 106	X113032	23-Mar-21	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	100	99.3	101	94.3 - 106	X113032	23-Mar-21	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	98.6	99.3	99.3	95.1 - 106	X113032	23-Mar-21	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	100	99.3	101	95.1 - 106	X113032	23-Mar-21	
SM 5310B	Total Organic Carbon	mg/L	34.9	34.3	102	90 - 110	X113048	23-Mar-21	
SM 5310B	Total Organic Carbon	mg/L	34.8	34.3	101	90 - 110	X113048	23-Mar-21	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	2.90	3.00	96.7	90 - 110	X112082	16-Mar-21	
EPA 300.0	Nitrate as N	mg/L	1.95	2.00	97.4	90 - 110	X112082	16-Mar-21	

SVL holds the following certifications:

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

Work order Report Page 7 of 10



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

Work Order: **X1C0275**
Reported: 29-Mar-21 13:01

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
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Anions by Ion Chromatography (Continued)

EPA 300.0	Sulfate as SO ₄	mg/L	10.1	10.0	101	90 - 110	X112082	16-Mar-21	
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Quality Control - DUPLICATE Data

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

SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	103	102	0.7	20	X113032 - X1C0275-01	23-Mar-21	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	103	102	0.7	20	X113032 - X1C0275-01	23-Mar-21	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X113032 - X1C0275-01	23-Mar-21	
SM 2540 C	Total Diss. Solids	mg/L	443	453	2.2	10	X112081 - X1C0275-03	16-Mar-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	0.000899	<0.000200	0.00100	89.9	75 - 125	X112219 - X1C0275-03	23-Mar-21	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.12	0.0516	1.00	107	75 - 125	X112058 - X1C0275-01	24-Mar-21	
EPA 6010D	Lead	mg/L	0.975	<0.0150	1.00	97.5	75 - 125	X112058 - X1C0275-01	24-Mar-21	
EPA 6010D	Manganese	mg/L	0.971	<0.0080	1.00	97.1	75 - 125	X112058 - X1C0275-01	24-Mar-21	
EPA 6010D	Vanadium	mg/L	1.05	<0.0050	1.00	104	75 - 125	X112058 - X1C0275-01	24-Mar-21	
EPA 6010D	Zinc	mg/L	0.970	<0.0100	1.00	97.0	75 - 125	X112058 - X1C0275-01	24-Mar-21	
EPA 6020B	Arsenic	mg/L	0.0253	<0.00300	0.0250	99.8	75 - 125	X112062 - X1C0188-05	19-Mar-21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X113067 - X1C0275-01	25-Mar-21	
EPA 350.1	Ammonia as N	mg/L	0.990	<0.030	1.00	99.0	90 - 110	X113067 - X1C0236-01	25-Mar-21	
SM 5310B	Total Organic Carbon	mg/L	11.8	<3.00	10.0	100	80 - 120	X113048 - X1C0275-01	23-Mar-21	D

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	52.1	49.8	3.00	0.30R>S	90 - 110	X112082 - X1C0275-04	16-Mar-21	D2,M4
EPA 300.0	Nitrate as N	mg/L	2.30	0.348	2.00	97.7	90 - 110	X112082 - X1C0275-04	16-Mar-21	
EPA 300.0	Sulfate as SO ₄	mg/L	18.9	8.76	10.0	102	90 - 110	X112082 - X1C0275-04	16-Mar-21	



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

Work Order: **X1C0275**
Reported: 29-Mar-21 13:01

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	0.000869	0.000899	0.00100	3.4	20	86.9	X112219 - X1C0275-03	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.11	1.12	1.00	0.9	20	106	X112058 - X1C0275-01	
EPA 6010D	Lead	mg/L	0.983	0.975	1.00	0.9	20	98.3	X112058 - X1C0275-01	
EPA 6010D	Manganese	mg/L	0.979	0.971	1.00	0.8	20	97.9	X112058 - X1C0275-01	
EPA 6010D	Vanadium	mg/L	1.06	1.05	1.00	1.6	20	106	X112058 - X1C0275-01	
EPA 6010D	Zinc	mg/L	0.976	0.970	1.00	0.6	20	97.6	X112058 - X1C0275-01	
EPA 6020B	Arsenic	mg/L	0.0253	0.0253	0.0250	0.1	20	99.7	X112062 - X1C0188-05	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.01	1.02	1.00	1.0	20	101	X113067 - X1C0275-01	
SM 5310B	Total Organic Carbon	mg/L	11.8	11.8	10.0	0.2	20	100	X113048 - X1C0275-01	D
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	51.9	52.1	3.00	0.5	20	0.30R>S	X112082 - X1C0275-04	D2,M4
EPA 300.0	Nitrate as N	mg/L	2.31	2.30	2.00	0.2	20	97.9	X112082 - X1C0275-04	
EPA 300.0	Sulfate as SO4	mg/L	19.0	18.9	10.0	0.2	20	102	X112082 - X1C0275-04	



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

Work Order: **X1C0275**
Reported: 29-Mar-21 13:01

Notes and Definitions

D	The reported value is from a dilution.
D2	Sample required dilution due to high concentration of target analyte.
H3	Sample was received and/or analysis requested past holding time.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

Work Order: **X1C0275**
Spokane County Environmental Services (I
ITY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
ANDFILL COMPLIANCE MONITORING PROGRAM
2021



LABORATORY:
 SVL ANALYTICAL

ONE GOVERNMENT GULCH

KELLOGG, ID 83837-0929

(208) 784-1258 FAX (208) 783-0891

ATTENTION: Sample Receiving

ITAL SERVICES

22515 N. ELK CHATTAROV RD.

COLBERT, WASHINGTON 99005

(509) 238-6607 FAX (509) 238-6812

MICA (509)924-5223

SHIPPING CO: **UPS**

SHIPPING #: **160735218885**

NUMBER OF COOLERS: **1**

DATE: **3/10/2021**

PAGE **1** OF **1**

MONITORING RESIDENTIAL

PARAMETERS:	TOC	AMMONIA	CI / SO4 / TDS NO3 / ALKALINITY	CI / SO4 / NO3 ALKALINITY	METALS (As / Ba / Pb / Hg Mn / V / Zn)	SAMPLERS:
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	M. TERRELLS
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	G. FISCETTE
LAB:	SVL	SVL	SVL	SVL	SVL	K. MCCARTY
PRESERVATION:	H2SO4 pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph < 2 (NOT FILTERED)	COOLER NUMBER
SAMPLE IDENTIFICATION	DATE	TIME				NUMBER BOTTLES
GWMS-005-210310	3/10	0833	---	---	---	19 4
GWMM-016-210310	3/10	0913	---	---	---	19 4
GWMM-003-210310	3/10	1005	---	---	---	19 4
MMS-1-1-210310	3/10	0951	---	---	---	19 4
MMS-1-2-210310	3/10	0811	---	---	---	19 4

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

RELINQUISHED BY

SIGNATURE:

PRINT NAME:

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: **3/10/2021**

TIME: **1300**

RECEIVED BY

SIGNATURE:

PRINT NAME:

COMPANY:

DATE: **3/15/21**

TIME: **830**

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: 3/15/21

By: CR Seung

SVL Work No: X1C0275

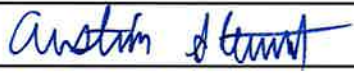
Item	Description	V	NA	Comments
1	Client or project name	—		Spokane County
2	Date and time of receipt at lab	—		3/15/21 830
3	Received by	—		CR Seung
4	Temperature blank or cooler temperature	—		Temp. 4.3 °C
5	Were the sample(s) received on ice	—		
6	Custody tape/bottle seals	—		
7	Shipper's air bill	—		K27 352 18885
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	—		Shipped 3/10 rec'd 3/15

V- Verified NA- Not Applicable

Comments:

APPENDIX D: DISCHARGE MONITORING REPORTS

SPOKANE COUNTY REGIONAL WATER RECLAMATION FACILITY DISCHARGE MONITORING REPORT

Company Name:	Spokane County Utilities Division, Mica Landfill		Permit #:	SIU-4953-0-A	
Discharge Address:	7810 S Hidden Hollow Drive Mica, WA 99023		Reporting Month:	October	
			Year:	2020	
Sample Point:	Wet well at the NW pond		Date/Time:		
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.12 mg/L	N/A	
Benzene			< 0.5 mg/L	Two/year	
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			0.74 mg/L	N/A	
Cyanide			1.01 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.012 mg/L	N/A	
Molybdenum			0.66 mg/L	N/A	
Nickel			1.74 mg/L	N/A	
Selenium			0.4 mg/L	N/A	
Silver			0.46 mg/L	N/A	
Zinc			2.59 mg/L	N/A	
I certify under penalty of perjury of the laws of the State of Washington: that I am authorized to sign this statement on behalf of the person or entity for which it is submitted. That this document and all attachments are reliable and were prepared based upon my personal knowledge or under my direction or supervision after a diligent inquiry in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my knowledge or inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.					
Facility Representative Signature:					
Printed Name and Title:	Austin Stewart, Water Resources Specialist				
Date:	11/02/2020				

Date	Flow (gpd)	pH
1	720	7.95
2	674	
3	669	
4	668	
5	718	8.01
6	676	
7	678	
8	675	
9	686	8.06
10	1,558	
11	2,519	
12	2,298	8.31
13	2,062	
14	954	
15	796	8.29
16	805	
17	786	
18	1,158	
19	889	8.18
20	814	
21	758	
22	726	
23	743	8.1
24	1,329	
25	1,121	
26	1,006	7.89
27	1,073	
28	1,236	
29	1,036	7.97
30	2,277	
31	2,221	
Total Flow	34,329.00	
Maximum	2,519.00	8.31
Minimum	668.00	7.89
Average Flow	1,107.39	
Permit Limit	78,000	5.0-11.0

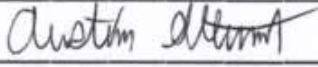
Comments: Flow and pH.

**SPOKANE COUNTY REGIONAL WATER RECLAMATION FACILITY
DISCHARGE MONITORING REPORT**

Company Name:	Spokane County Utilities Division, Mica Landfill	Permit #:	SIU-4953-0-A
Discharge Address:	7810 S Hiden Hollow Drive Mica, WA 99023	Reporting Month:	November
		Year:	2020

Sample Point:	Wet well at the NW pond		Date/Time:	11/04/2020 @ 7:50 am	
Sampled By:	Gordie Fiset				
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.12 mg/L	N/A	
Benzene	0.0005 mg/L	< 0.0005 mg/L	<0.5 mg/L	Two/year	Grab
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			0.74 mg/L	N/A	
Cyanide			1.01 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.012 mg/L	N/A	
Molybdenum			0.66 mg/L	N/A	
Nickel			1.74 mg/L	N/A	
Selenium			0.4 mg/L	N/A	
Silver			0.46 mg/L	N/A	
Zinc			2.59 mg/L	N/A	

I certify under penalty of perjury of the laws of the State of Washington: that I am authorized to sign this statement on behalf of the person or entity for which it is submitted. That this document and all attachments are reliable and were prepared based upon my personal knowledge or under my direction or supervision after a diligent inquiry in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my knowledge or inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Facility Representative Signature:	
Printed Name and Title:	Austin Stewart - Water Resources Specialist
Date:	December 9, 2020

Comments: Flow, pH, and Benzene laboratory results.

Day	Date	Flow (gpd)	pH
Sunday	1	2152	
Monday	2	1109	7.98
Tuesday	3	777	
Wednesday	4	743	8.22
Thursday	5	2205	
Friday	6	1007	
Saturday	7	601	
Sunday	8	718	
Monday	9	540	8.12
Tuesday	10	854	
Wednesday	11	556	
Thursday	12	742	7.98
Friday	13	1969	
Saturday	14	1206	
Sunday	15	1860	
Monday	16	1657	7.85
Tuesday	17	1463	
Wednesday	18	1662	
Thursday	19	1069	
Friday	20	813	7.96
Saturday	21	838	
Sunday	22	840	
Monday	23	1288	7.97
Tuesday	24	1279	
Wednesday	25	2448	7.92
Thursday	26	1546	
Friday	27	1584	
Saturday	28	1776	
Sunday	29	1521	
Monday	30	1567	7.9
Total Flow		38390	
Maximum		2448	8.22
Minimum		540	7.85
Average Flow		1279.666667	
Permit Limit		78,000	5.0-11.0

SPOKANE COUNTY REGIONAL WATER RECLAMATION FACILITY DISCHARGE MONITORING REPORT

Company Name:	Spokane County Utilities Division, Mica Landfill	Permit #:	SIU-4953-0-A
Discharge Address:	7810 S Hiden Hollow Drive Mica, WA 99023	Reporting Month:	December
		Year:	2020

Sample Point:	Wet well at the NW pond		Date/Time:		
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.12 mg/L	N/A	
Benzene			<0.5 mg/L	Two/year	
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			0.74 mg/L	N/A	
Cyanide			1.01 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.012 mg/L	N/A	
Molybdenum			0.66 mg/L	N/A	
Nickel			1.74 mg/L	N/A	
Selenium			0.4 mg/L	N/A	
Silver			0.46 mg/L	N/A	
Zinc			2.59 mg/L	N/A	

I certify under penalty of perjury of the laws of the State of Washington: that I am authorized to sign this statement on behalf of the person or entity for which it is submitted. That this document and all attachments are reliable and were prepared based upon my personal knowledge or under my direction or supervision after a diligent inquiry in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my knowledge or inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Facility Representative Signature:	
Printed Name and Title:	Austin Stewart - Water Resources Specialist
Date:	January 7, 2021

Comments:	Flow and pH.
------------------	--------------

Day	Date	Flow (gpd)	pH
Tuesday	1	1667	
Wednesday	2	1403	7.71
Thursday	3	1128	
Friday	4	1084	7.63
Saturday	5	1233	
Sunday	6	1172	
Monday	7	841	7.52
Tuesday	8	1329	
Wednesday	9	1855	
Thursday	10	1465	7.45
Friday	11	1632	
Saturday	12	1518	
Sunday	13	1438	
Monday	14	1503	7.5
Tuesday	15	1914	
Wednesday	16	3711	
Thursday	17	5447	7.41
Friday	18	5316	
Saturday	19	7156	
Sunday	20	9059	
Monday	21	11419	7.03
Tuesday	22	13206	
Wednesday	23	13958	7.06
Thursday	24	9793	
Friday	25	7382	
Saturday	26	24472	
Sunday	27	18039	
Monday	28	4653	
Tuesday	29	29733	7.39
Wednesday	30	7148	
Thursday	31	21359	7.4
Total Flow		213033	
Maximum		29733	7.71
Minimum		841	7.03
Average Flow		6872.032258	
Permit Limit		78,000	5.0-11.0

**SPOKANE COUNTY REGIONAL WATER RECLAMATION FACILITY
DISCHARGE MONITORING REPORT**

Company Name:	Spokane County Utilities Division, Mica Landfill	Permit #:	SIU-4953-0-A
Discharge Address:	7810 S Hiden Hollow Drive Mica, WA 99023	Reporting Month:	January
		Year:	2021

Sample Point:	Wet well at the NW pond		Date/Time:		
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.12 mg/IL	N/A	
Benzene			<0.5 mg/L	Two/year	
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			0.74 mg/L	N/A	
Cyanide			1.01 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.012 mg/L	N/A	
Molybdenum			0.66 mg/L	N/A	
Nickel			1.74 mg/L	N/A	
Selenium			0.4 mg/L	N/A	
Silver			0.46 mg/L	N/A	
Zinc			2.59 mg/L	N/A	

I certify under penalty of perjury of the laws of the State of Washington: that I am authorized to sign this statement on behalf of the person or entity for which it is submitted. That this document and all attachments are reliable and were prepared based upon my personal knowledge or under my direction or supervision after a diligent inquiry in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my knowledge or inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Facility Representative Signature:	
Printed Name and Title:	Austin Stewart - Water Resources Specialist
Date:	February 3, 2021

Comments:	Flow and pH.
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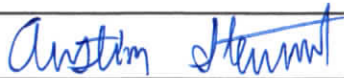
Day	Date	Flow (gpd)	pH
Friday	1	9905	
Saturday	2	30117	
Sunday	3	87192	
Monday	4	100914	7.05
Tuesday	5	99211	
Wednesday	6	56286	
Thursday	7	55114	7.1
Friday	8	77902	
Saturday	9	59678	
Sunday	10	28121	
Monday	11	52669	7.14
Tuesday	12	33981	
Wednesday	13	103819	
Thursday	14	105681	7.12
Friday	15	72225	
Saturday	16	35751	
Sunday	17	37500	
Monday	18	85300	7.4
Tuesday	19	30427	
Wednesday	20	46201	
Thursday	21	23765	7.14
Friday	22	13981	
Saturday	23	12292	
Sunday	24	11332	
Monday	25	42154	7.16
Tuesday	26	16159	
Wednesday	27	9435	
Thursday	28	21860	7.15
Friday	29	7871	
Saturday	30	6552	
Sunday	31	6489	
Total Flow		1379884	
Maximum		105681	7.4
Minimum		6489	7.05
Average Flow		44512.3871	
Permit Limit		78,000	5.0-11.0

SPOKANE COUNTY REGIONAL WATER RECLAMATION FACILITY DISCHARGE MONITORING REPORT

Company Name:	Spokane County Utilities Division, Mica Landfill	Permit #:	SIU-4953-0-A
Discharge Address:	7810 S Hiden Hollow Drive Mica, WA 99023	Reporting Month:	February
		Year:	2021

Sample Point:	Wet well at the NW pond		Date/Time:		
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.12 mg/L	N/A	
Benzene			<0.5 mg/L	Two/year	
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			0.74 mg/L	N/A	
Cyanide			1.01 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.012 mg/L	N/A	
Molybdenum			0.66 mg/L	N/A	
Nickel			1.74 mg/L	N/A	
Selenium			0.4 mg/L	N/A	
Silver			0.46 mg/L	N/A	
Zinc			2.59 mg/L	N/A	

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Facility Representative Signature:	
Printed Name and Title:	Austin Stewart - Water Resources Specialist
Date:	March 4, 2021

Comments:	Flow and pH.
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Day	Date	Flow (gpd)	pH
Monday	1	25102	7.29
Tuesday	2	6640	
Wednesday	3	6587	
Thursday	4	5922	7.46
Friday	5	6714	
Saturday	6	6940	
Sunday	7	6970	
Monday	8	40172	7.63
Tuesday	9	8382	
Wednesday	10	6453	
Thursday	11	6066	
Friday	12	21507	7.55
Saturday	13	7075	
Sunday	14	4735	
Monday	15	4540	
Tuesday	16	4301	7.48
Wednesday	17	4298	
Thursday	18	19436	7.36
Friday	19	6276	
Saturday	20	4453	
Sunday	21	4408	
Monday	22	6109	7.34
Tuesday	23	6402	
Wednesday	24	19135	
Thursday	25	6486	7.3
Friday	26	5908	
Saturday	27	5706	
Sunday	28	5653	
Total Flow		262376	
Maximum		40172	7.63
Minimum		4298	7.29
Average Flow		9370.571429	
Permit Limit		78,000	5.0-11.0

SPOKANE COUNTY REGIONAL WATER RECLAMATION FACILITY DISCHARGE MONITORING REPORT

Company Name:	Spokane County Utilities Division, Mica Landfill	Permit #:	SIU-4953-0-A
Discharge Address:	7810 S Hiden Hollow Drive Mica, WA 99023	Reporting Month:	March
		Year:	2021

Sample Point:	Wet well at the NW pond		Date/Time:		
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.12 mg/L	N/A	
Benzene			<0.5 mg/L	Two/year	
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			0.74 mg/L	N/A	
Cyanide			1.01 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.012 mg/L	N/A	
Molybdenum			0.66 mg/L	N/A	
Nickel			1.74 mg/L	N/A	
Selenium			0.4 mg/L	N/A	
Silver			0.46 mg/L	N/A	
Zinc			2.59 mg/L	N/A	

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Facility Representative Signature:	
Printed Name and Title:	Austin Stewart - Water Resources Specialist
Date:	April 5, 2021

Comments:	Flow and pH.
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Day	Date	Flow (gpd)	pH
Monday	1	38748	7.27
Tuesday	2	9499	
Wednesday	3	5242	7.21
Thursday	4	28719	
Friday	5	12515	
Saturday	6	9060	
Sunday	7	9586	
Monday	8	39701	7.2
Tuesday	9	12772	
Wednesday	10	8332	
Thursday	11	7420	
Friday	12	6879	7.14
Saturday	13	6297	
Sunday	14	5983	
Monday	15	44642	
Tuesday	16	9572	7.19
Wednesday	17	6061	7.12
Thursday	18	5178	
Friday	19	5460	
Saturday	20	4918	
Sunday	21	4596	
Monday	22	6526	7.26
Tuesday	23	21117	
Wednesday	24	14615	
Thursday	25	16304	
Friday	26	41458	7.21
Saturday	27	18793	
Sunday	28	15891	
Monday	29	29078	7.17
Tuesday	30	15630	
Wednesday	31	9614	
Total Flow		470206	
Maximum		44642	7.27
Minimum		4596	7.12
Average Flow		15167.93548	
Permit Limit		78,000	5.0-11.0