



Spokane County

PUBLIC WORKS

May 5, 2023

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

RE: Mica Landfill Semi-annual Progress Report 2023

Dear Sandra,

Enclosed is a copy of the Mica Landfill Semi-annual Performance Report for March 2023.

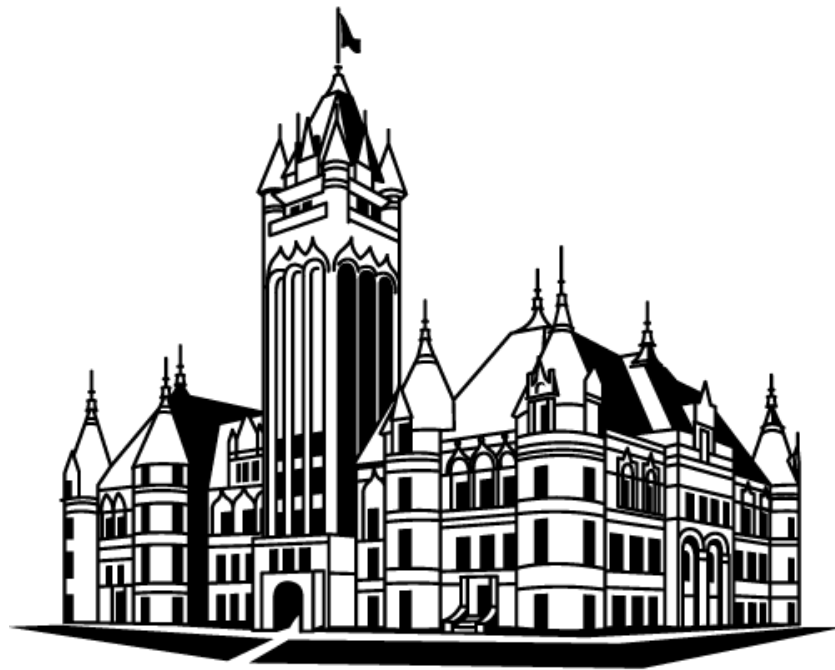
If you have comments or questions, please call me at (509) 238-6607.

Sincerely,

Austin Stewart
Water Resources Specialist

Enc.

**MICA LANDFILL
SEMI-ANNUAL PERFORMANCE REPORT
March 2023**



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 2022 through March 2023.
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 sampling (leachate sampling/permit discontinued) completed in accordance with Final Cleanup Action Plan (CAP) and the SAP. Since monitoring well MW-16 is still sampled on a quarterly basis; December 2022 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 / *LEACHATE			
Indicator Analyte	Method B Cleanup Level, ug/L	Indicator Analyte	Method B Cleanup Level, ug/L
Conventional		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		

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

Mica Landfill Site Map

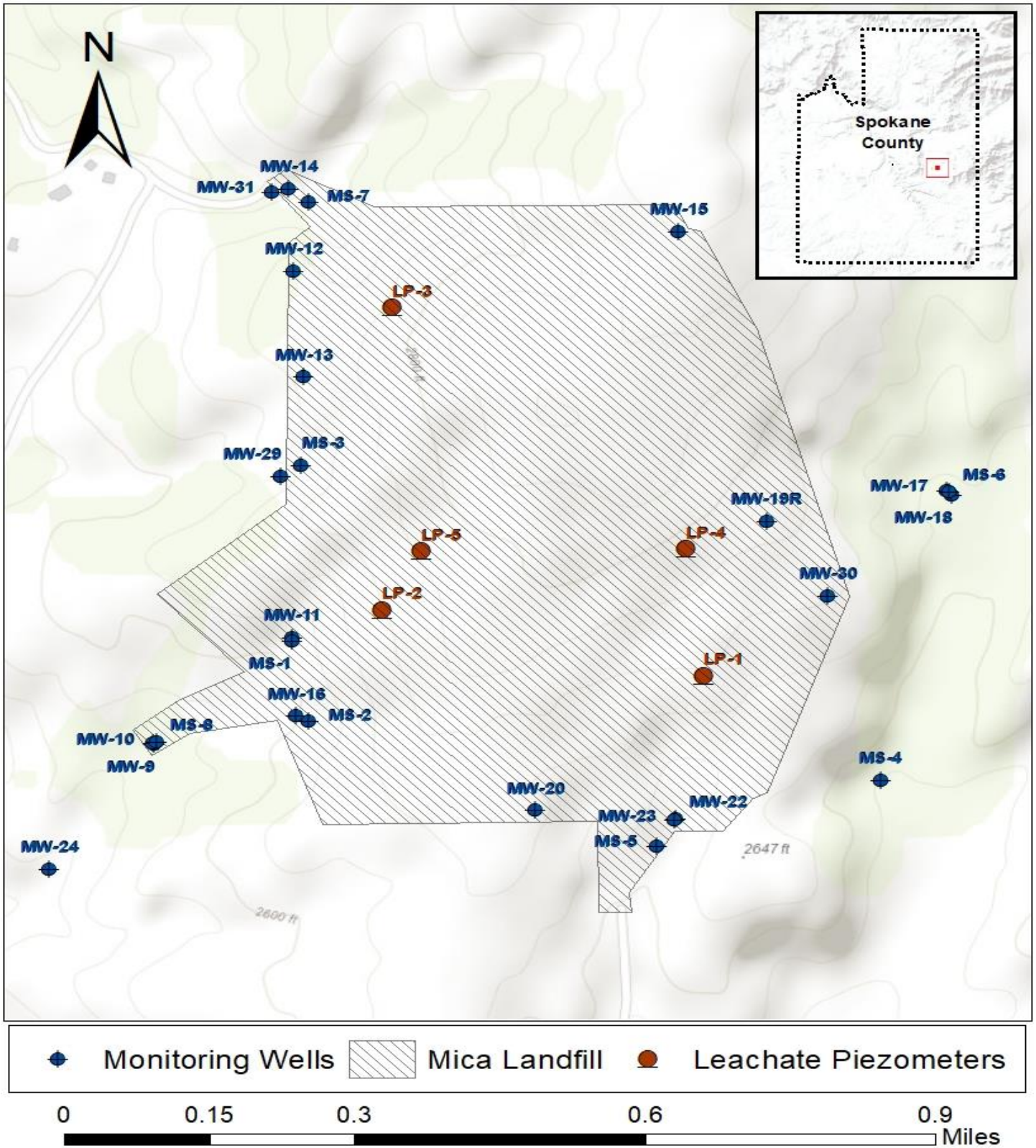


Figure 1-1: Mica Landfill Site Map

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

2 GROUNDWATER

2.1 GROUNDWATER DATA/SUMMARIES

PROBLEMS/ DEVIATIONS

Monitoring wells MS-4, MW-13, MW-19R, and MW-29 are low-producing wells that are purged once and allowed to recharge before obtaining samples. During the March 2023 sampling event, the water level was not measured at domestic well DW-2 due to an obstruction blocking the water level port. While DW-1 was inoperable during the March 2022 sampling event, County personnel were able to obtain groundwater samples for DW-1 during the March 2023 sampling event after the well received repairs.

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 2023 sampling event. MW-31 exhibited nitrate concentrations that exceeded the cleanup criteria during the March 2022 sampling event, but concentrations dropped below the criteria during the March 2023 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 2022 and March 2023 sampling events. VOCs that had concentrations above the clean-up criteria included 1,2-DCA, 1,2-DCP, benzene, and vinyl chloride. Concentrations for 1,2-DCP are currently on an increasing trend. The concentrations for arsenic and barium were also above the criteria for MW-16 during the December 2022 and March 2023 sampling events. Arsenic concentrations have remained on an increasing trend since 1995. Acetone concentrations found in MW-16 dropped below the cleanup criteria after the December 2021 sampling event, and continue to exhibit concentrations below the cleanup criteria. Any constituents that exhibited laboratory detections for MW-9 and MW-10 continue to show decreasing trends or consistent concentrations with previous years.

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

Nitrate concentrations for MS-5 and MW-20 exceeded the cleanup criteria during the March 2023 sampling event. MW-20 also exhibited concentrations for arsenic and lead that exceeded the criteria during this reporting period. There appears to be somewhat high variation and seasonality associated with the arsenic and lead concentrations for MW-20. Lead and arsenic concentrations appear to be plateauing, and potentially starting to decline.

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

Monitoring wells MW-19R and MS-4 had nitrate concentrations above the clean-up criteria during the March 2023 sampling event. Nitrate concentrations at MW-19R appear to be relatively stable,

while concentrations at MS-4 continue to increase. There are several examples of inorganic/conventional concentrations decreasing in MW-19R while concentrations increase in MS-4, indicating constituent concentration relationships between the two monitoring wells that are supported by the groundwater flow direction.

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

Zinc concentrations at DW-2 continued its current decreasing trend and remained below the clean-up criteria for the March 2023 sampling event. Domestic Wells DW-2 and DW-3 continue to exhibit nitrate concentrations above the criteria of 0.8 mg/L. Nitrate concentrations for DW-2 dropped below the cleanup criteria for the March 2022 sampling event, but exceeded the cleanup criteria for the November 2022/March 2023 sampling events.

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 in these laboratory results.

CONTINGENCY RESPONSE ACTIONS

County personnel successfully collected groundwater samples at DW-1 for the March 2023 sampling event after the well received repairs.

The zinc concentrations found at DW-2 dropped below the cleanup criteria after the March 2021 sampling event, and concentrations continue to decrease/remain below the cleanup criteria.

The nitrate concentrations at domestic well DW-3 continue to remain above the clean-up criteria. Nitrate concentrations in DW-3 began to exhibit an increasing trend in 2007 that started to plateau/decrease in 2016, and is currently on a decreasing trend.

Mica Landfill Field Parameters

Table 2-1 Mica Landfill Field Parameters Summary

StationID	SampleDate	Temp	PH	Conductivity	Turbidity	WElev
DW-001	3/15/2023	11.2	6.76	373	0.3	
DW-002	3/15/2023	11	6.72	360	0.16	
DW-003	3/15/2023	11.4	7.23	359	0.25	2395.75
MS-004	3/15/2023	8.9	6.87	459	0.3	2514.50
MS-005	3/16/2023	10.6	6.55	298	2.32	2559.78
MW-009	3/15/2023	7.8	6.85	457	1.31	2494.62
MW-010	3/15/2023	8.6	7.08	150	0.19	2494.20
MW-013	3/15/2023	9.2	6.89	386	0.61	2672.15
MW-014	3/15/2023	8.6	7.1	153	0.89	2591.06
MW-016	12/8/2022	9.9	6.86	1693	7.55	2535.99
MW-016	3/16/2023	10.4	6.8	1988	0.58	2536.37
MW-019R	3/15/2023	10.3	6.68	231	4.01	2692.70
MW-020	3/16/2023	10.1	7.31	512	550	2591.03
MW-023	3/16/2023	10.6	6.99	679	5.14	2561.18
MW-029	3/16/2023	7.5	6.33	592	0.3	2588.93
MW-031	3/15/2023	8.6	6.79	145	1.21	2589.99

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	3/15/2023	N-Nitrate	0.8	1.09	0.05		mg/L	C	Domestic
DW-003	3/15/2023	N-Nitrate	0.8	1.56	0.05		mg/L	C	Domestic
DW-003	3/15/2023	N-Nitrate	0.8	1.56	0.05		mg/L	C	Domestic
MW-029	3/16/2023	N-Nitrate	0.8	1.02	0.05		mg/L	C	Northwest
MS-005	3/16/2023	N-Nitrate	0.8	1.36	0.05		mg/L	C	South
MW-020	3/16/2023	N-Nitrate	0.8	1.96	0.05		mg/L	C	South
MW-020	3/16/2023	N-Nitrate	0.8	1.94	0.05		mg/L	C	South
MW-020	3/16/2023	Arsenic	0.005	0.00564	0.003		mg/L	I	South
MW-020	3/16/2023	Arsenic	0.005	0.00558	0.003		mg/L	I	South
MW-020	3/16/2023	Lead	0.015	0.0222	0.015		mg/L	I	South
MW-020	3/16/2023	Lead	0.015	0.0221	0.015		mg/L	I	South
MS-004	3/15/2023	N-Nitrate	0.8	10.7	0.5		mg/L	C	Southeast
MW-019R	3/15/2023	N-Nitrate	0.8	1.36	0.05		mg/L	C	Southeast
MW-016	12/8/2022	Arsenic	0.005	0.0604	0.003		mg/L	I	Southwest
MW-016	3/16/2023	Arsenic	0.005	0.0723	0.003		mg/L	I	Southwest
MW-016	12/8/2022	Barium	0.56	0.684	0.004		mg/L	I	Southwest
MW-016	3/16/2023	Barium	0.56	0.643	0.004		mg/L	I	Southwest
MW-016	12/8/2022	1,2-Dichloroethane	1.2	3.55	2.5		ug/L	V	Southwest
MW-016	3/16/2023	1,2-Dichloroethane	1.2	2.86	0.5		ug/L	V	Southwest
MW-016	12/8/2022	1,2-Dichloropropane	0.643	18.1	2.5		ug/L	V	Southwest
MW-016	3/16/2023	1,2-Dichloropropane	0.643	16.9	0.5		ug/L	V	Southwest
MW-016	12/8/2022	Benzene	0.795	14.5	2.5		ug/L	V	Southwest
MW-016	3/16/2023	Benzene	0.795	13.7	0.5		ug/L	V	Southwest
MW-016	12/8/2022	Vinyl Chloride	0.023	4.1	2.5		ug/L	V	Southwest
MW-016	3/16/2023	Vinyl Chloride	0.023	0.97	0.5		ug/L	V	Southwest

Results with reporting/detection limits greater than the established criteria are highlighted in **Red**.

Criteria Exceedances – Summary of changes from 2022 to 2023:

StationID	Drainage	Analyte	Summary of change
DW-002	Domestic	N-Nitrate	Increased from no exceedance in 2022 to exceedance in 2023
MW-031	Northwest	N-Nitrate	Decreased from exceedance in 2022 to no exceedance in 2023
MW-016	Southwest	Acetone	Decreased from exceedance in 2022 to no exceedance in 2023

Mica Landfill Groundwater Analytical Results

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

Analyte	Date	AnalyteCat	Units	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	DW-001
ALK	3-2023	C	mg/L as Ca	169	184	185	102	198	100	197	85.2	1350	106	256	314	86.4	46.8	147
Cl	3-2023	C	mg/L	8.36	0.76	0.59	18.9	8.44	0.45	8.6	0.75	162	6.05	7.72	42.4	137	18.5	15.5
N-NH3	12-2022	C	mg/L									0.374						
N-NH3	3-2023	C	mg/L	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U	0.422	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U
N-NO3	3-2023	C	mg/L	1.09	1.56	10.7	1.36	0.089	0.237	0.512	0.05U	0.168	1.36	1.96	0.05U	1.02	0.574	0.245
SO4	3-2023	C	mg/L	4.55	1.15	10.4	14	2.93	0.99	3.07	9.46	0.47	4.69	5.3	8.66	7.04	4.14	10.8
TDS	3-2023	C	mg/L			271	174	207	115	221	108	1580	143	296	385	337	106	
TOC	12-2022	C	mg/L									35.8						
TOC	3-2023	C	mg/L	1U	1U	1.23	1.2	1.88	1U	1.03	1U	29.3	1	1.86	2.11	1U	3.52	1U
As	12-2022	I	mg/L									0.0604						
As	3-2023	I	mg/L	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.0723	0.003U	0.00564	0.003U	0.003U	0.003U	0.003U
Ba	12-2022	I	mg/L									0.684						
Ba	3-2023	I	mg/L	0.0389	0.028	0.0847	0.0422	0.102	0.0461	0.0473	0.004U	0.643	0.0321	0.243	0.12	0.101	0.0478	0.0193
Hg	12-2022	I	mg/L									0.0002U						
Hg	3-2023	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	12-2022	I	mg/L									0.554						
Mn	3-2023	I	mg/L	0.008U	0.008U	0.008U	0.008U	0.186	0.008U	0.008U	0.145	0.505	0.008U	0.131	0.892	0.008U	0.008U	0.008U
Pb	12-2022	I	mg/L									0.015U						
Pb	3-2023	I	mg/L	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.0222	0.015U	0.015U	0.015U	0.015U
Va	12-2022	I	mg/L									0.005U						
Va	3-2023	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	12-2022	I	mg/L									0.01U						
Zn	3-2023	I	mg/L	0.0493	0.123	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.0362	0.01U	0.01U	0.01U	0.0558
BEHP	3-2023	S	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U								0.5U		0.5U
1,2-DCA	12-2022	V	ug/L									3.55						
1,2-DCA	3-2023	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2.86	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

Analyte	Date	AnalyteCat	Units	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	DW-001
1,2-DCP	12-2022	V	ug/L									18.1						
1,2-DCP	3-2023	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	16.9	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Acetone	12-2022	V	ug/L									568						
Acetone	3-2023	V	ug/L	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	500	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U
Benzene	12-2022	V	ug/L									14.5						
Benzene	3-2023	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	13.7	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
cis-1,2-DCE	12-2022	V	ug/L									4.95						
cis-1,2-DCE	3-2023	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	3	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Ethylbenzene	12-2022	V	ug/L									51.8						
Ethylbenzene	3-2023	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	57.1	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
m+p-Xylene	12-2022	V	ug/L									36.5						
m+p-Xylene	3-2023	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	40.7	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
MC	12-2022	V	ug/L									12.5UD						
MC	3-2023	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
O-Xylene	12-2022	V	ug/L									16.1						
O-Xylene	3-2023	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	17.4	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
PCE	12-2022	V	ug/L									2.5UD						
PCE	3-2023	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	0.52	0.5U	0.5U
TCE	12-2022	V	ug/L									2.5UD						
TCE	3-2023	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.56	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
Toluene	12-2022	V	ug/L									14.9						
Toluene	3-2023	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	10.5	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
VC	12-2022	V	ug/L									4.1						
VC	3-2023	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.97	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U

Blue bold indicates concentrations 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

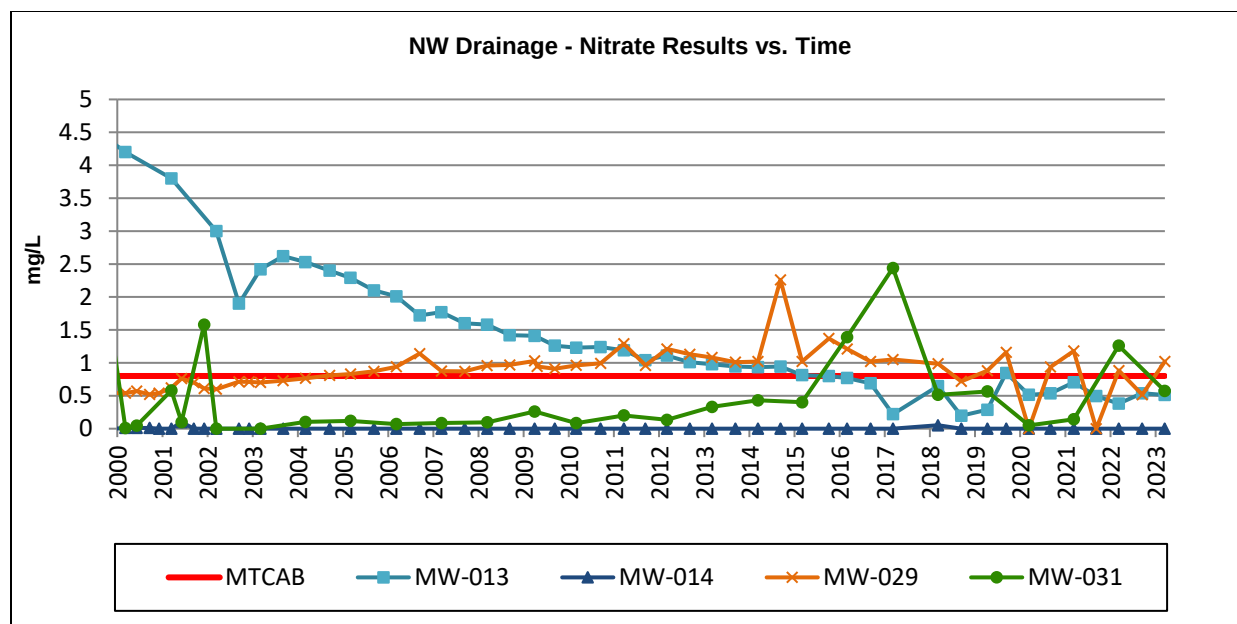


Figure 2-1: Northwest Monitoring Wells Nitrate Concentrations vs. Time

NW Drainage Monitoring Wells: VOCs/SVOCs Time-Series Graphs

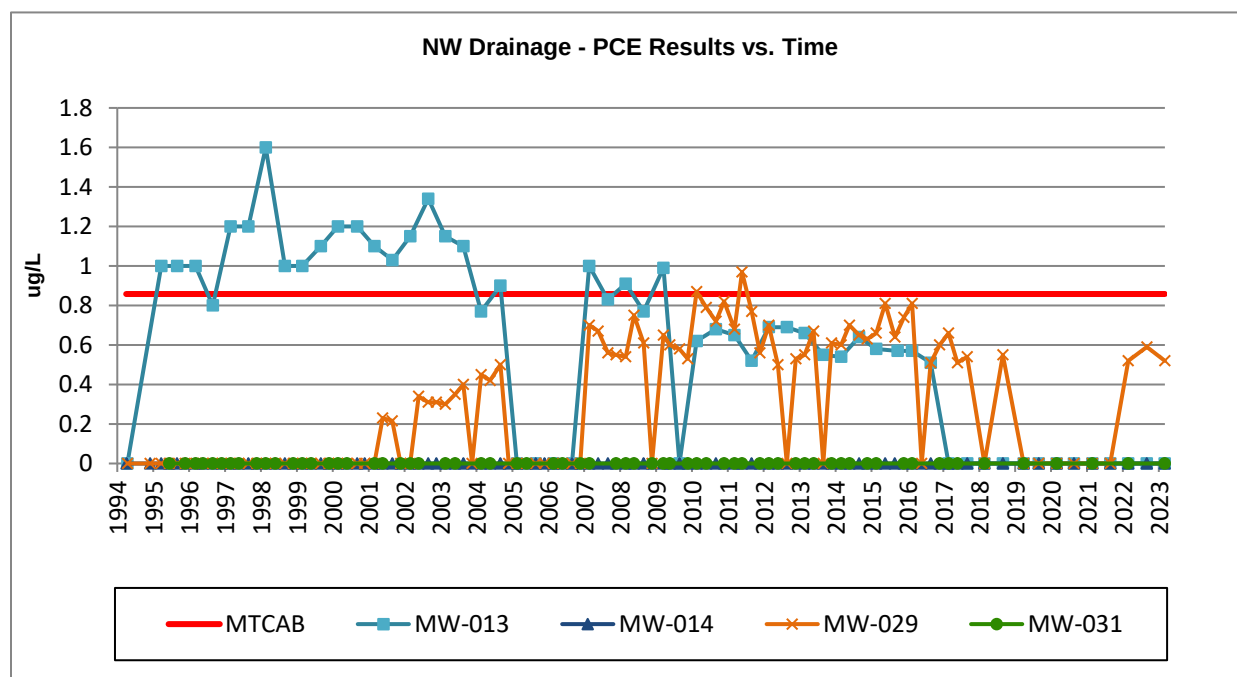


Figure 2-2: Northwest Monitoring Wells PCE Concentrations vs. Time

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

StationID	DrainageArea	Analyte	2018 Results	2022 Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MW-013	Northwest	1,2-DCP	0	0	0	0	0	ug/L
MW-013	Northwest	Acetone	0	0	0	0	0	ug/L
MW-013	Northwest	ALK	200	202	197	-3	-5	mg/L as Ca
MW-013	Northwest	As	0	0	0	0	0	mg/L
MW-013	Northwest	Ba	0.0541	0.0486	0.0473	-0.0068	-0.0013	mg/L
MW-013	Northwest	Benzene	0	0	0	0	0	ug/L
MW-013	Northwest	Cl	9.73	8.69	8.6	-1.13	-0.09	mg/L
MW-013	Northwest	DCA	1.04	0.83	0.93	-0.11	0.1	ug/L
MW-013	Northwest	MC	0	0	0	0	0	ug/L
MW-013	Northwest	Mn	0	0	0	0	0	mg/L
MW-013	Northwest	N-NH3	0	0	0	0	0	mg/L
MW-013	Northwest	N-NO3	0.647	0.381	0.512	-0.135	0.131	mg/L
MW-013	Northwest	Pb	0	0	0	0	0	mg/L
MW-013	Northwest	PCE	0	0	0	0	0	ug/L
MW-013	Northwest	SO4	4.2	3.31	3.07	-1.13	-0.24	mg/L
MW-013	Northwest	TCE	0	0	0	0	0	ug/L
MW-013	Northwest	TDS	234	173	221	-13	48	mg/L
MW-013	Northwest	TOC	1.6	1.23	1.03	-0.57	-0.2	mg/L
MW-013	Northwest	Toluene	0	0	0	0	0	ug/L
MW-013	Northwest	VC	0	0	0	0	0	ug/L
MW-013	Northwest	Zn	0	0	0	0	0	mg/L
MW-014	Northwest	1,2-DCP	0	0	0	0	0	ug/L
MW-014	Northwest	Acetone	0	0	0	0	0	ug/L
MW-014	Northwest	ALK	76.5	80.3	85.2	8.7	4.9	mg/L as Ca
MW-014	Northwest	As	0	0	0	0	0	mg/L
MW-014	Northwest	Ba	0	0	0	0	0	mg/L
MW-014	Northwest	Benzene	0	0	0	0	0	ug/L
MW-014	Northwest	Cl	0.73	0.8	0.75	0.02	-0.05	mg/L
MW-014	Northwest	DCA	0	0	0	0	0	ug/L
MW-014	Northwest	MC	0	0	0	0	0	ug/L
MW-014	Northwest	Mn	0.873	0.16	0.145	-0.728	-0.015	mg/L
MW-014	Northwest	N-NH3	0	0	0	0	0	mg/L
MW-014	Northwest	N-NO3	0.052	0	0	-0.052	0	mg/L
MW-014	Northwest	Pb	0	0	0	0	0	mg/L
MW-014	Northwest	PCE	0	0	0	0	0	ug/L
MW-014	Northwest	SO4	8.68	9.09	9.46	0.78	0.37	mg/L
MW-014	Northwest	TCE	0	0	0	0	0	ug/L
MW-014	Northwest	TDS	113	93	108	-5	15	mg/L
MW-014	Northwest	TOC	0	0	0	0	0	mg/L
MW-014	Northwest	Toluene	0	0	0	0	0	ug/L
MW-014	Northwest	VC	0	0	0	0	0	ug/L
MW-014	Northwest	Zn	0	0	0	0	0	mg/L
MW-029	Northwest	1,2-DCP	0	0	0	0	0	ug/L
MW-029	Northwest	Acetone	0	0	0	0	0	ug/L

StationID	DrainageArea	Analyte	2018 Results	2022 Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MW-029	Northwest	ALK	85.9	105	86.4	0.5	-18.6	mg/L as Ca
MW-029	Northwest	As	0	0	0	0	0	mg/L
MW-029	Northwest	Ba	0.105	0.1	0.101	-0.004	0.001	mg/L
MW-029	Northwest	Benzene	0	0	0	0	0	ug/L
MW-029	Northwest	Cl	151	144	137	-14	-7	mg/L
MW-029	Northwest	DCA	0	0	0	0	0	ug/L
MW-029	Northwest	MC	0	0	0	0	0	ug/L
MW-029	Northwest	Mn	0	0	0	0	0	mg/L
MW-029	Northwest	N-NH3	0	0	0	0	0	mg/L
MW-029	Northwest	N-NO3	0.986	0.882	1.02	0.034	0.138	mg/L
MW-029	Northwest	Pb	0	0	0	0	0	mg/L
MW-029	Northwest	PCE	0	0.52	0.52	0.52	0	ug/L
MW-029	Northwest	SO4	6.66	7.27	7.04	0.38	-0.23	mg/L
MW-029	Northwest	TCE	0	0	0	0	0	ug/L
MW-029	Northwest	TDS	412	374	337	-75	-37	mg/L
MW-029	Northwest	TOC	0	1.09	0	0	-1.09	mg/L
MW-029	Northwest	Toluene	0	0	0	0	0	ug/L
MW-029	Northwest	VC	0	0	0	0	0	ug/L
MW-029	Northwest	Zn	0	0	0	0	0	mg/L
MW-031	Northwest	1,2-DCP	0	0	0	0	0	ug/L
MW-031	Northwest	Acetone	0	0	0	0	0	ug/L
MW-031	Northwest	ALK	41.2	44.5	46.8	5.6	2.3	mg/L as Ca
MW-031	Northwest	As	0	0	0	0	0	mg/L
MW-031	Northwest	Ba	0.0351	0.0411	0.0478	0.0127	0.0067	mg/L
MW-031	Northwest	Benzene	0	0	0	0	0	ug/L
MW-031	Northwest	Cl	2.56	1.9	18.5	15.94	16.6	mg/L
MW-031	Northwest	DCA	0	0	0	0	0	ug/L
MW-031	Northwest	MC	0	0	0	0	0	ug/L
MW-031	Northwest	Mn	0	0.0129	0	0	-0.0129	mg/L
MW-031	Northwest	N-NH3	0	0	0	0	0	mg/L
MW-031	Northwest	N-NO3	0.515	1.26	0.574	0.059	-0.686	mg/L
MW-031	Northwest	Pb	0	0	0	0	0	mg/L
MW-031	Northwest	PCE	0	0	0	0	0	ug/L
MW-031	Northwest	SO4	4.14	4.47	4.14	0	-0.33	mg/L
MW-031	Northwest	TCE	0	0	0	0	0	ug/L
MW-031	Northwest	TDS	74	103	106	32	3	mg/L
MW-031	Northwest	TOC	4.91	6.61	3.52	-1.39	-3.09	mg/L
MW-031	Northwest	Toluene	0	0	0	0	0	ug/L
MW-031	Northwest	VC	0	0	0	0	0	ug/L
MW-031	Northwest	Zn	0	0	0	0	0	mg/L

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

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

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

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

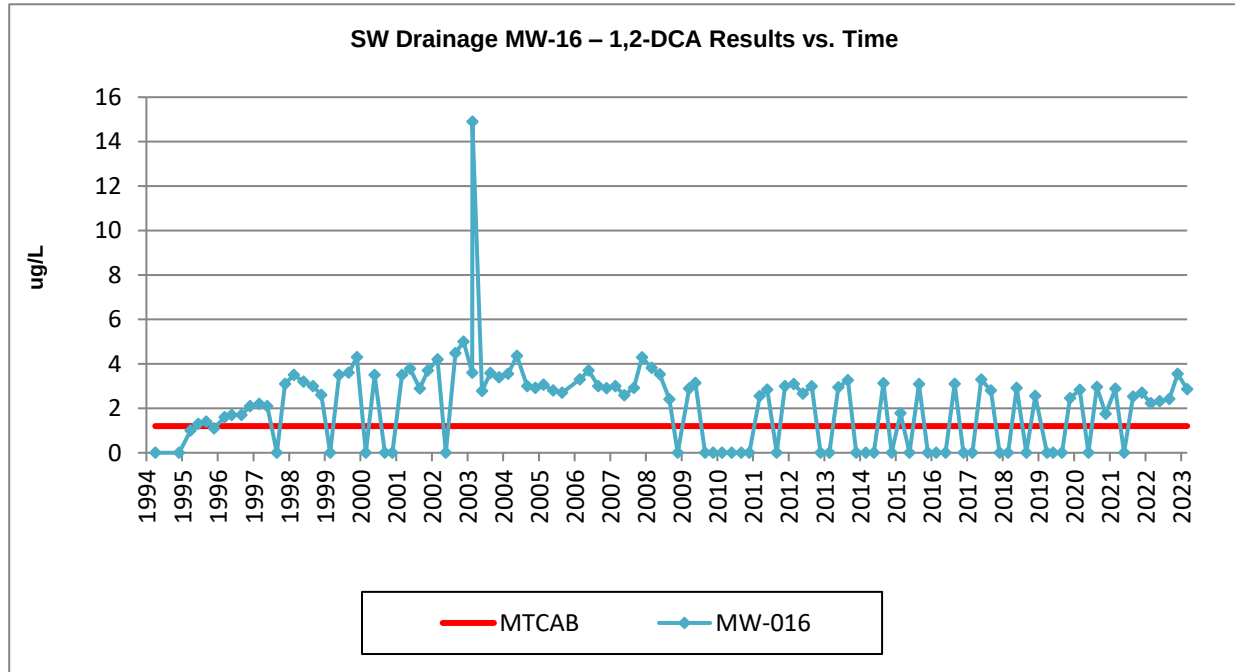


Figure 2-3: SW Monitoring Well MW-16 1,2-DCA Concentrations vs. Time

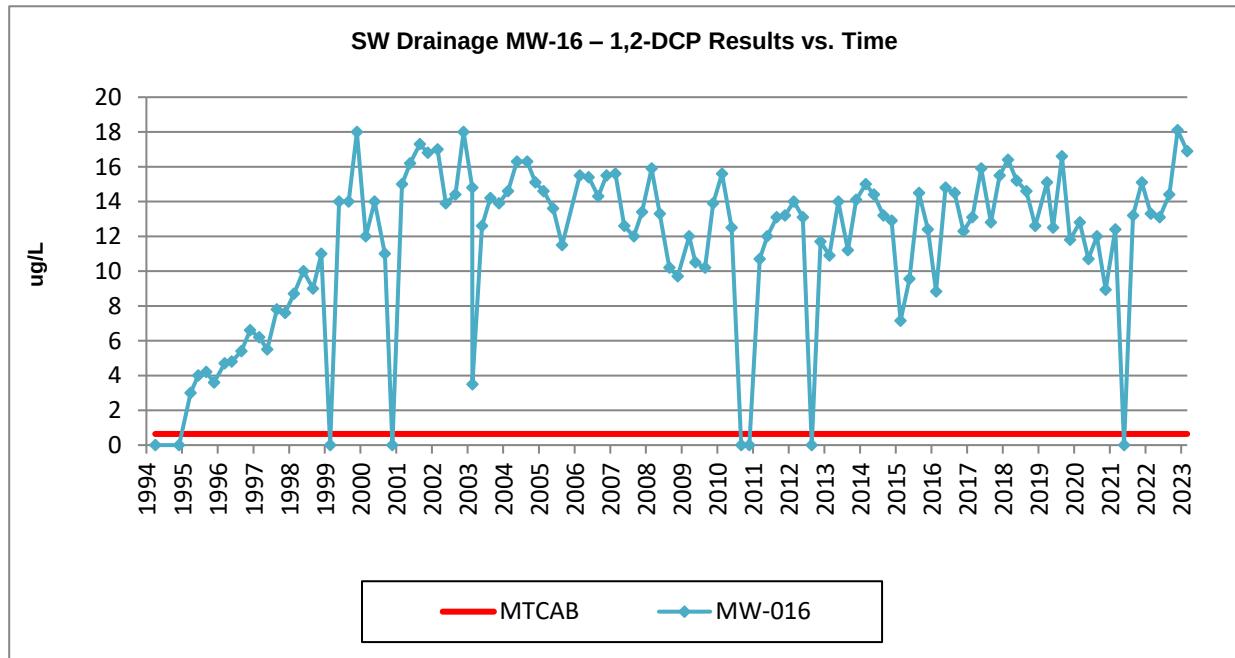


Figure 2-4: SW Monitoring Well MW-16 1,2-DCP Concentrations vs. Time

MW-16 Monitoring Well VOCs/SVOCs Time-Series Graphs (cont.)

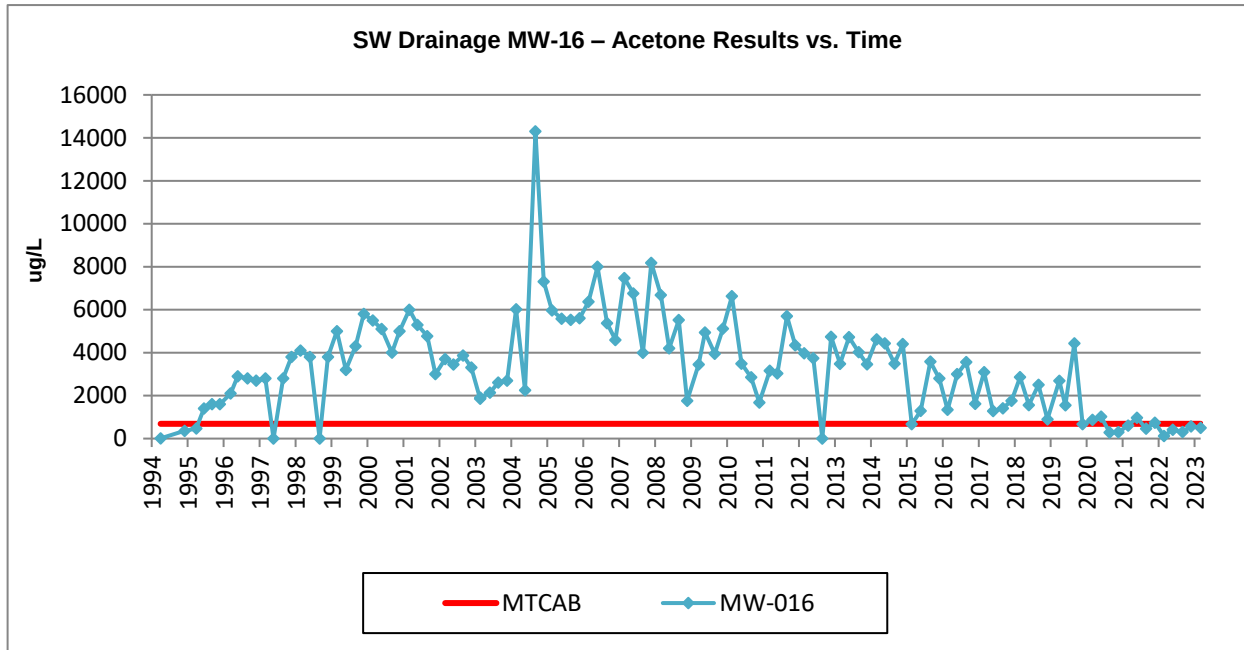


Figure 2-5: SW Monitoring Well MW-16 Acetone Results vs. Time

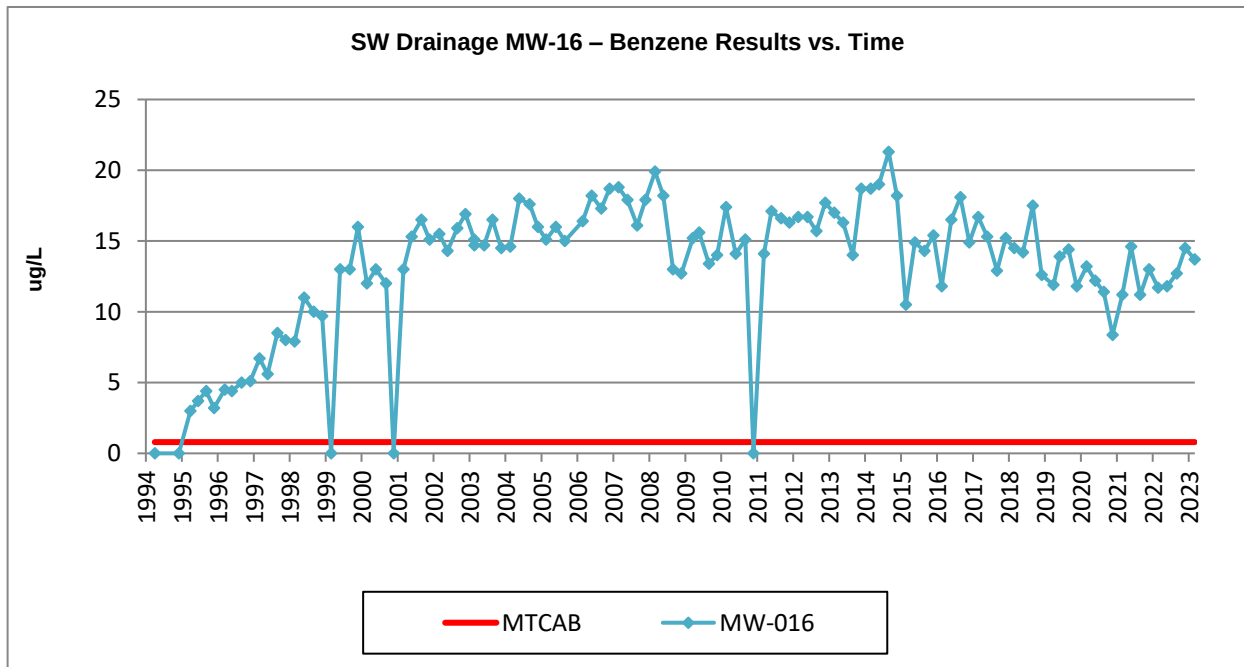


Figure 2-6: SW Monitoring Well MW16 Benzene Results vs. Time

MW-16 Monitoring Well VOCs/SVOCs Time-Series Graphs (cont.)

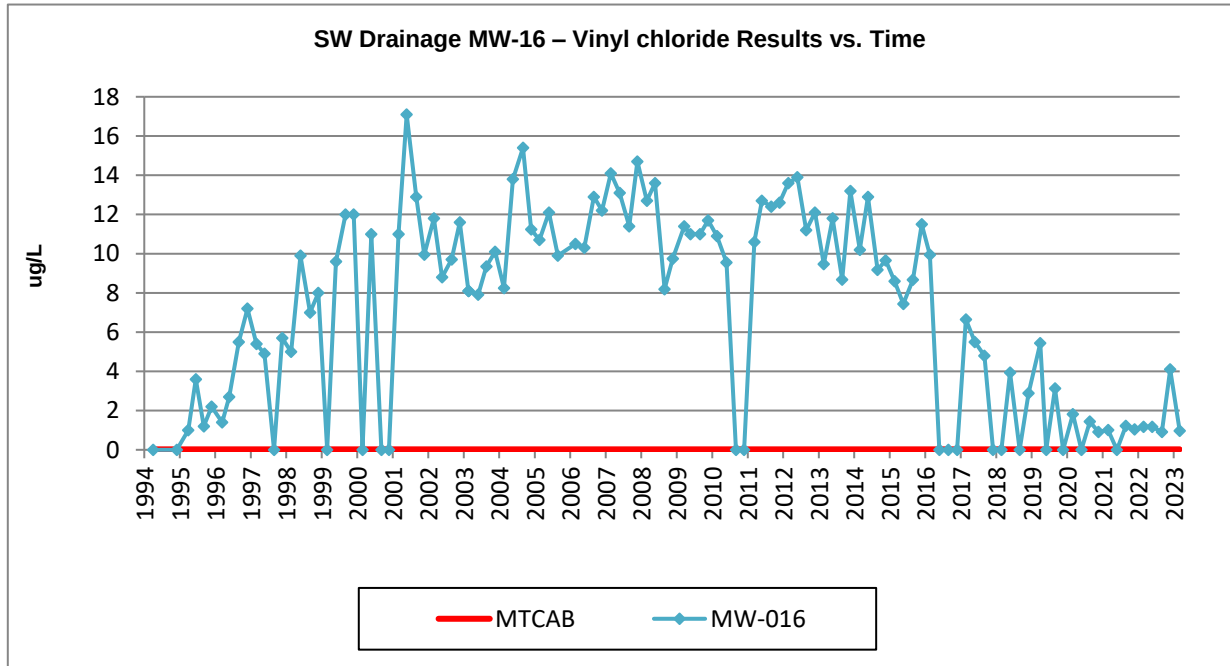


Figure 2-7: SW Monitoring Well MW-16 VC Results vs. Time

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

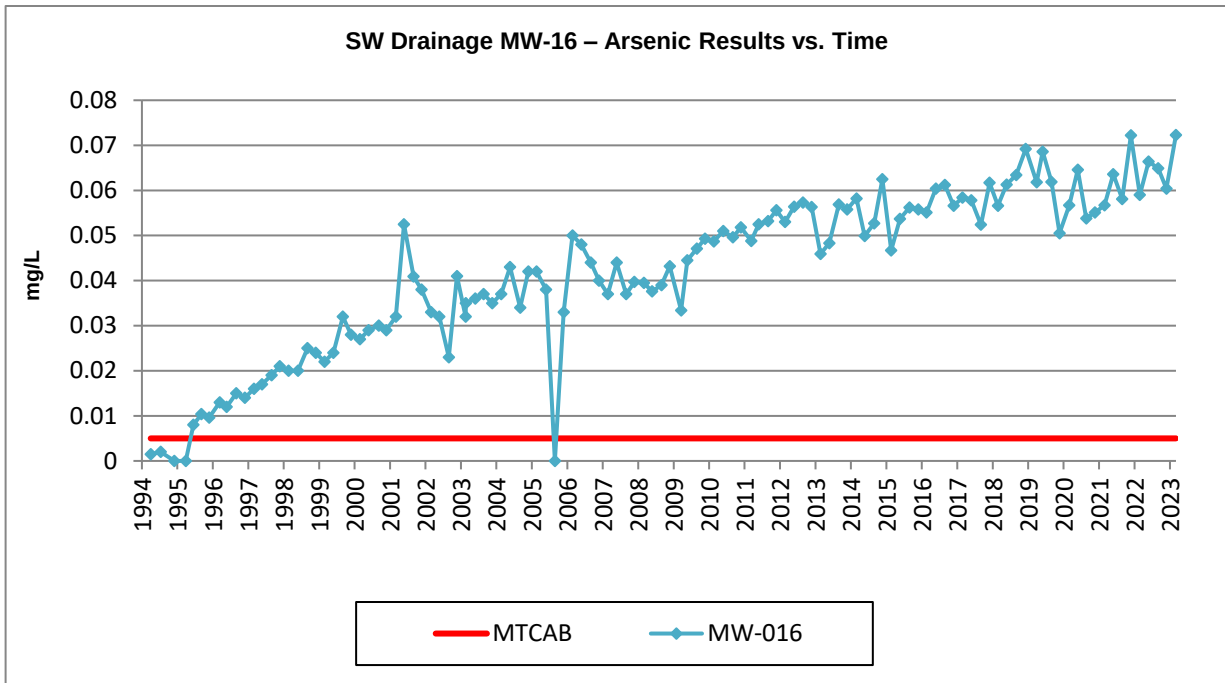


Figure 2-8: SW Monitoring Well MW-16 Arsenic Results vs. Time

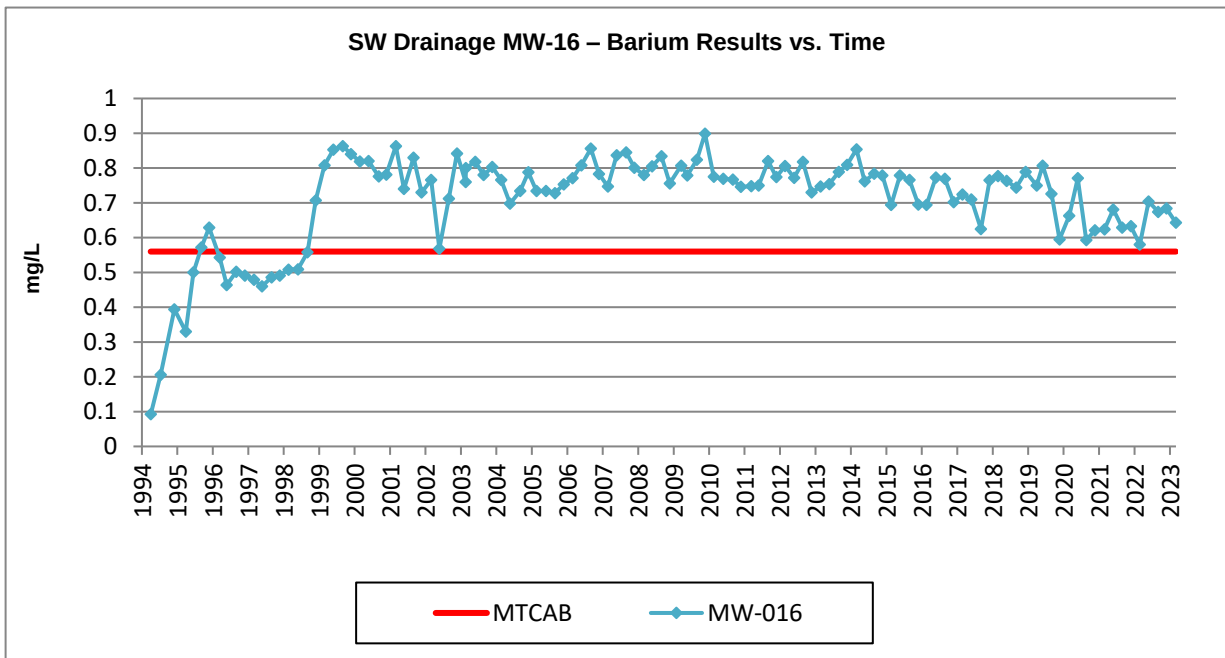


Figure 2-9: SW Monitoring Well MW-16 Barium Results vs. Time

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

StationID	DrainageArea	Analyte	2018 Results	2022 Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MW-016	Southwest	1,2-DCP	16.4	13.3	16.9	0.5	3.6	ug/L
MW-016	Southwest	Acetone	2860	123	500	-2360	377	ug/L
MW-016	Southwest	ALK	1510	1300	1350	-160	50	mg/L as Ca
MW-016	Southwest	As	0.0566	0.059	0.0723	0.0157	0.0133	mg/L
MW-016	Southwest	Ba	0.777	0.58	0.643	-0.134	0.063	mg/L
MW-016	Southwest	Benzene	14.5	11.7	13.7	-0.8	2	ug/L
MW-016	Southwest	Cl	158	166	162	4	-4	mg/L
MW-016	Southwest	DCA	10.2	6.05	10	-0.2	3.95	ug/L
MW-016	Southwest	MC	0	0	0	0	0	ug/L
MW-016	Southwest	Mn	1.14	0.433	0.505	-0.635	0.072	mg/L
MW-016	Southwest	N-NH3	0.196	0.484	0.422	0.226	-0.062	mg/L
MW-016	Southwest	N-NO3	0.207	0	0.168	-0.039	0.168	mg/L
MW-016	Southwest	Pb	0	0	0	0	0	mg/L
MW-016	Southwest	PCE	0	0	0	0	0	ug/L
MW-016	Southwest	SO4	0.47	0	0.47	0	0.47	mg/L
MW-016	Southwest	TCE	0	0.5	0.56	0.56	0.06	ug/L
MW-016	Southwest	TDS	1770	1390	1580	-190	190	mg/L
MW-016	Southwest	TOC	161	29	29.3	-131.7	0.3	mg/L
MW-016	Southwest	Toluene	54.5	5.28	10.5	-44	5.22	ug/L
MW-016	Southwest	VC	0	1.17	0.97	0.97	-0.2	ug/L
MW-016	Southwest	Zn	0	0	0	0	0	mg/L

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

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

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

South Drainage Wells: Conventional Time-Series Graphs

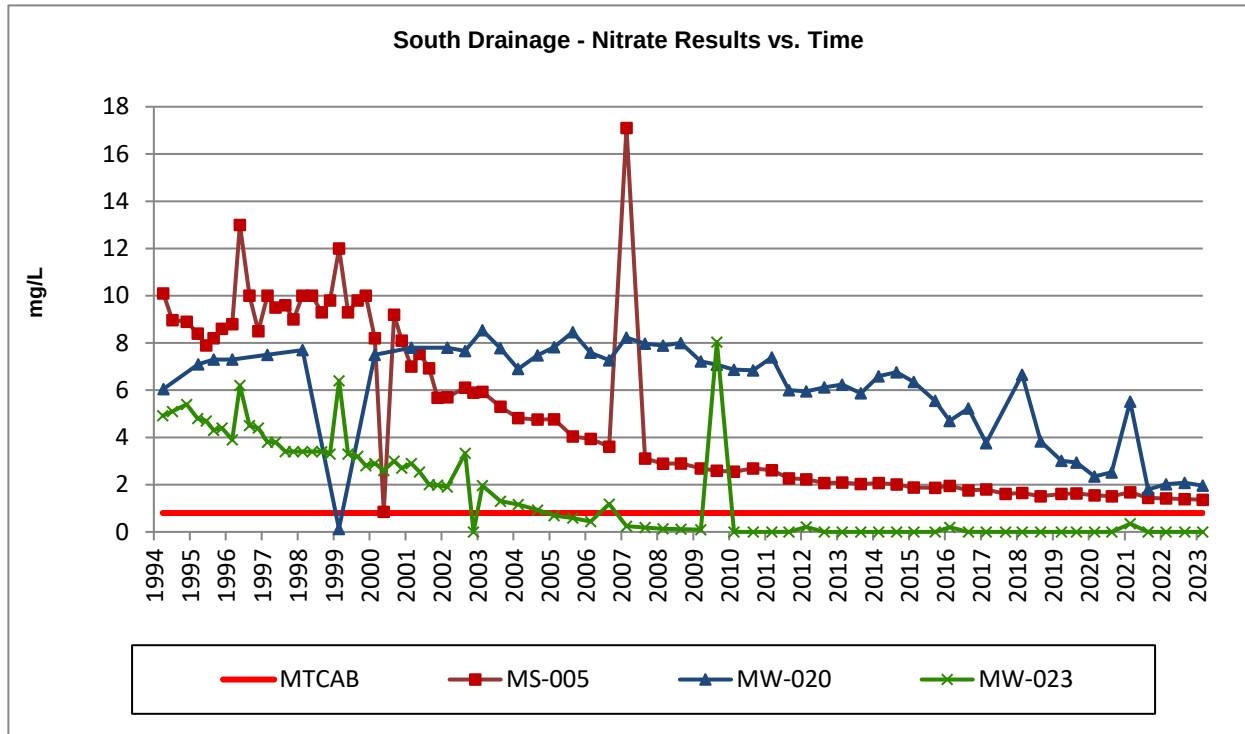


Figure 2-10: South Drainage Monitoring Wells Nitrate Results vs. Time

South Drainage Wells: Inorganics Time-Series Graphs

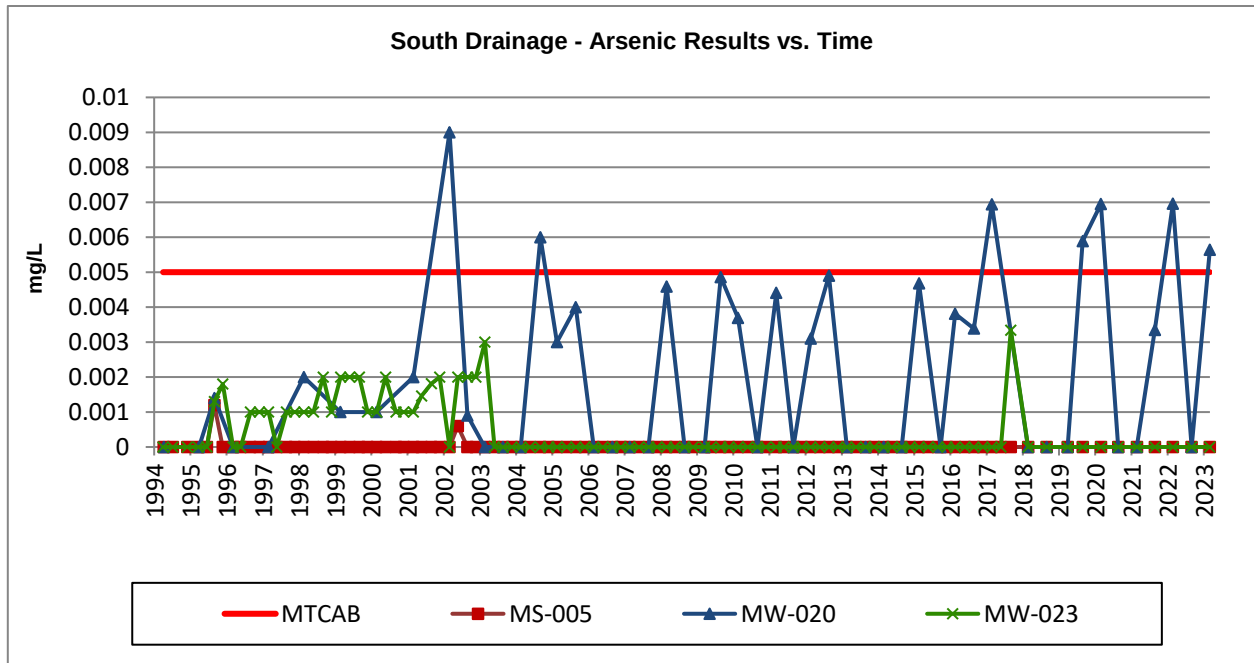


Figure 2-11: South Drainage Monitoring Wells Arsenic Results vs. Time

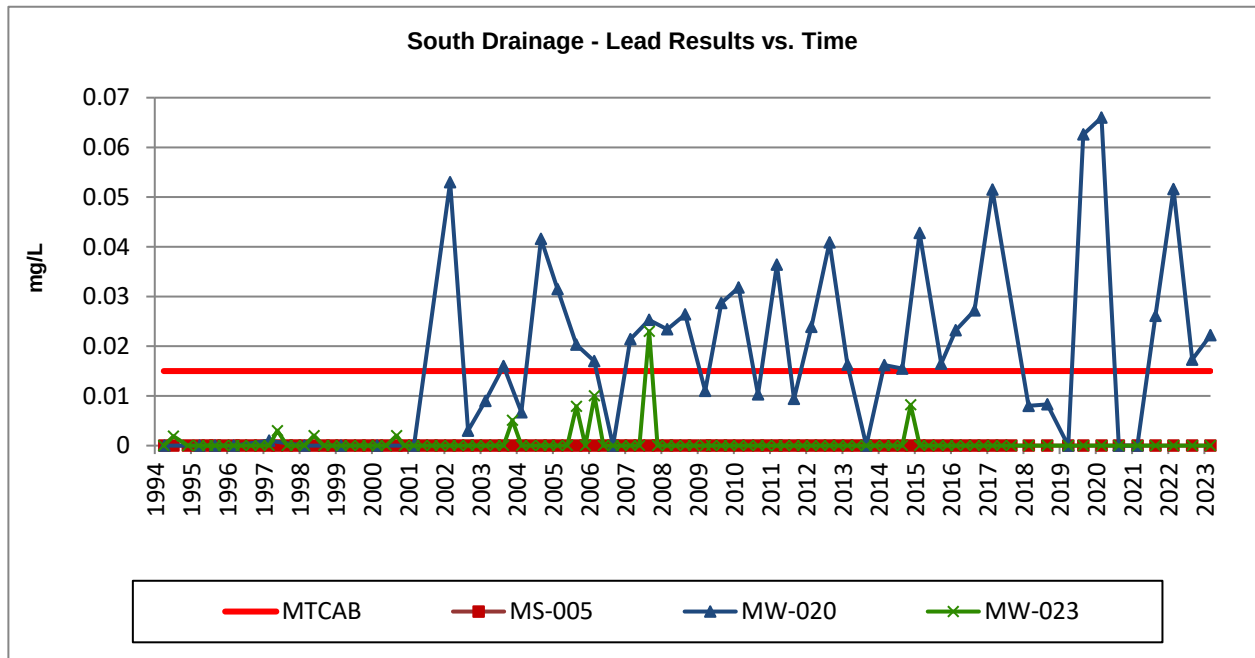


Figure 2-12: South Drainage Monitoring Wells Lead Results vs. Time

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

StationID	DrainageArea	Analyte	2018 Results	2022 Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MS-005	South	1,2-DCP	0	0	0	0	0	ug/L
MS-005	South	Acetone	0	0	0	0	0	ug/L
MS-005	South	ALK	117	104	102	-15	-2	mg/L as Ca
MS-005	South	As	0	0	0	0	0	mg/L
MS-005	South	Ba	0.0624	0.0459	0.0422	-0.0202	-0.0037	mg/L
MS-005	South	Benzene	0	0	0	0	0	ug/L
MS-005	South	Cl	32	21.6	18.9	-13.1	-2.7	mg/L
MS-005	South	DCA	0	0	0	0	0	ug/L
MS-005	South	MC	0	0	0	0	0	ug/L
MS-005	South	Mn	0	0	0	0	0	mg/L
MS-005	South	N-NH3	0	0	0	0	0	mg/L
MS-005	South	N-NO3	1.65	1.42	1.36	-0.29	-0.06	mg/L
MS-005	South	Pb	0	0	0	0	0	mg/L
MS-005	South	PCE	0	0	0	0	0	ug/L
MS-005	South	SO4	23.5	15.7	14	-9.5	-1.7	mg/L
MS-005	South	TCE	0	0	0	0	0	ug/L
MS-005	South	TDS	266	189	174	-92	-15	mg/L
MS-005	South	TOC	1.74	1.44	1.2	-0.54	-0.24	mg/L
MS-005	South	Toluene	0	0	0	0	0	ug/L
MS-005	South	VC	0	0	0	0	0	ug/L
MS-005	South	Zn	0	0	0	0	0	mg/L
MW-020	South	1,2-DCP	0	0	0	0	0	ug/L
MW-020	South	Acetone	0	0	0	0	0	ug/L
MW-020	South	ALK	245	246	246	1	0	mg/L as Ca
MW-020	South	As	0	0.00696	0.00558	0.00558	-0.00138	mg/L
MW-020	South	Ba	0.15	0.458	0.19	0.04	-0.268	mg/L
MW-020	South	Benzene	0	0	0	0	0	ug/L
MW-020	South	Cl	5.84	7.52	7.65	1.81	0.13	mg/L
MW-020	South	DCA	0.71	0.85	1.01	0.3	0.16	ug/L
MW-020	South	MC	0	0	0	0	0	ug/L
MW-020	South	Mn	0.0397	0.262	0.12	0.0803	-0.142	mg/L
MW-020	South	N-NH3	0	0	0	0	0	mg/L
MW-020	South	N-NO3	6.66	2.02	1.94	-4.72	-0.08	mg/L

StationID	DrainageArea	Analyte	2018 Results	2022 Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MW-020	South	Pb	0.008	0.0516	0.0222	0.0142	-0.0294	mg/L
MW-020	South	PCE	0	0	0	0	0	ug/L
MW-020	South	SO4	10.9	6.57	5.24	-5.66	-1.33	mg/L
MW-020	South	TCE	0	0	0	0	0	ug/L
MW-020	South	TDS	328	293	286	-42	-7	mg/L
MW-020	South	TOC	1.67	1.26	1.86	0.19	0.6	mg/L
MW-020	South	Toluene	0	0	0	0	0	ug/L
MW-020	South	VC	0	0	0	0	0	ug/L
MW-020	South	Zn	0.02	0.0836	0.033	0.013	-0.0506	mg/L
MW-023	South	1,2-DCP	0	0	0	0	0	ug/L
MW-023	South	Acetone	0	0	0	0	0	ug/L
MW-023	South	ALK	419	331	314	-105	-17	mg/L as Ca
MW-023	South	As	0	0	0	0	0	mg/L
MW-023	South	Ba	0.167	0.127	0.12	-0.047	-0.007	mg/L
MW-023	South	Benzene	0	0	0	0	0	ug/L
MW-023	South	Cl	67.1	47.8	42.4	-24.7	-5.4	mg/L
MW-023	South	DCA	2.38	1.24	2.03	-0.35	0.79	ug/L
MW-023	South	MC	0	0	0	0	0	ug/L
MW-023	South	Mn	1.03	0.847	0.892	-0.138	0.045	mg/L
MW-023	South	N-NH3	0	0	0	0	0	mg/L
MW-023	South	N-NO3	0	0	0	0	0	mg/L
MW-023	South	Pb	0	0	0	0	0	mg/L
MW-023	South	PCE	0	0	0	0	0	ug/L
MW-023	South	SO4	8.24	8.88	8.66	0.42	-0.22	mg/L
MW-023	South	TCE	0	0	0	0	0	ug/L
MW-023	South	TDS	556	434	385	-171	-49	mg/L
MW-023	South	TOC	3.55	2.47	2.11	-1.44	-0.36	mg/L
MW-023	South	Toluene	0	0	0	0	0	ug/L
MW-023	South	VC	0	0	0	0	0	ug/L
MW-023	South	Zn	0	0	0	0	0	mg/L

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

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

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

SE Drainage Wells: Conventional Time-Series Graphs

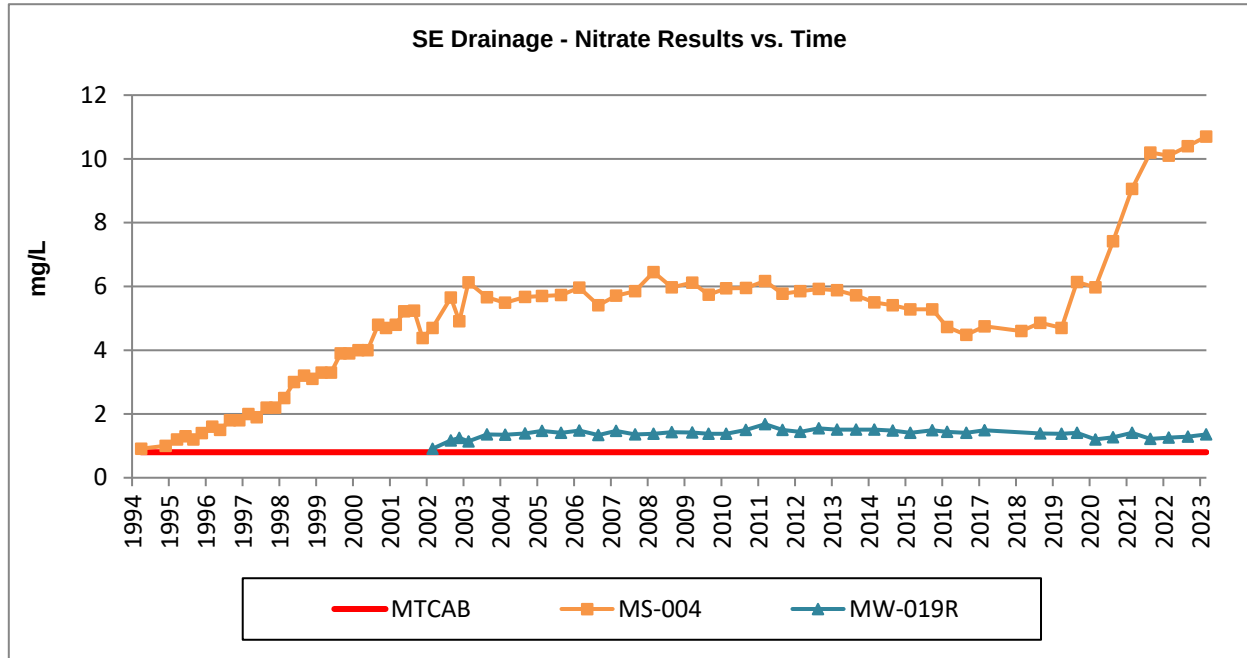


Figure 2-13: Southeast Monitoring Wells Nitrate Results vs. Time

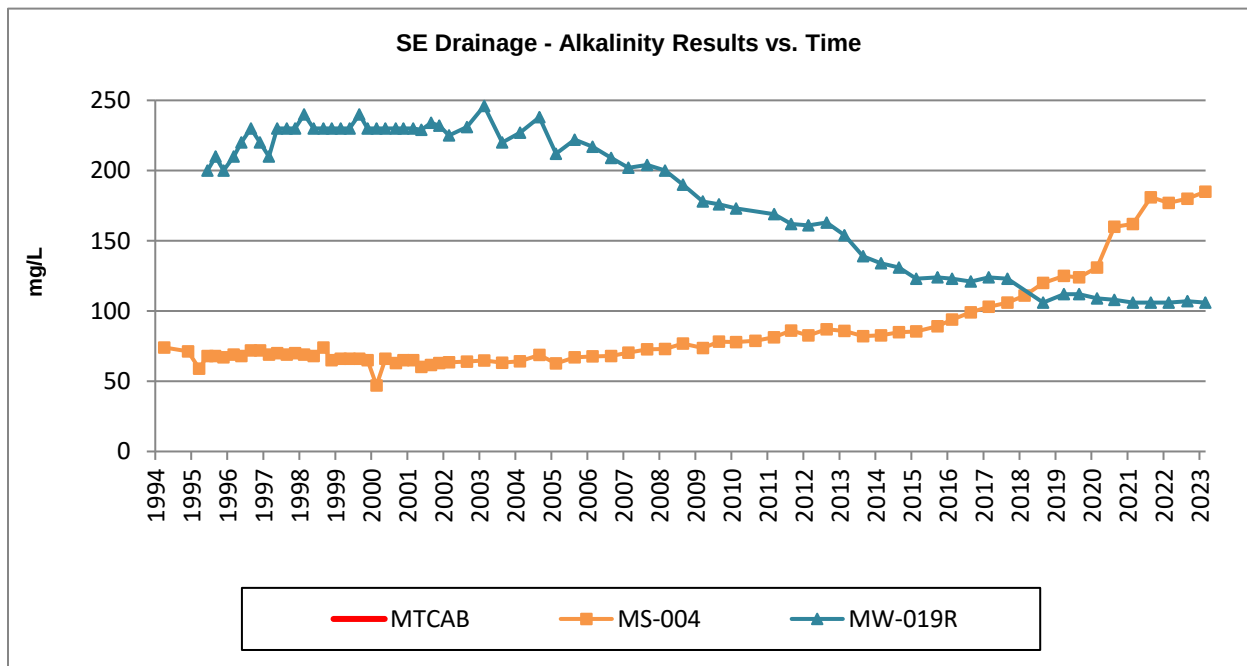


Figure 2-14: Southeast Monitoring Wells Alkalinity Results vs. Time

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

StationID	DrainageArea	Analyte	2018 Results	2022 Results	Current Year Results	5-Year Difference	1-Year Difference	Units
MS-004	Southeast	1,2-DCP	0	0	0	0	0	ug/L
MS-004	Southeast	Acetone	0	0	0	0	0	ug/L
MS-004	Southeast	ALK	111	177	185	74	8	mg/L as Ca
MS-004	Southeast	As	0	0	0	0	0	mg/L
MS-004	Southeast	Ba	0.0579	0.0891	0.0847	0.0268	-0.0044	mg/L
MS-004	Southeast	Benzene	0	0	0	0	0	ug/L
MS-004	Southeast	Cl	0.4	0.68	0.59	0.19	-0.09	mg/L
MS-004	Southeast	DCA	1.01	1.32	1.36	0.35	0.04	ug/L
MS-004	Southeast	MC	0	0	0	0	0	ug/L
MS-004	Southeast	Mn	0.0119	0.0222	0	-0.0119	-0.0222	mg/L
MS-004	Southeast	N-NH3	0	0.144	0	0	-0.144	mg/L
MS-004	Southeast	N-NO3	4.6	10.1	10.7	6.1	0.6	mg/L
MS-004	Southeast	Pb	0	0	0	0	0	mg/L
MS-004	Southeast	PCE	0	0	0	0	0	ug/L
MS-004	Southeast	SO4	11.7	9.84	10.4	-1.3	0.56	mg/L
MS-004	Southeast	TCE	0	0	0	0	0	ug/L
MS-004	Southeast	TDS	168	264	271	103	7	mg/L
MS-004	Southeast	TOC	1.21	1.62	1.23	0.02	-0.39	mg/L
MS-004	Southeast	Toluene	0	0	0	0	0	ug/L
MS-004	Southeast	VC	0	0	0	0	0	ug/L
MS-004	Southeast	Zn	0	0	0	0	0	mg/L
MW-019R	Southeast	1,2-DCP	N/A	0	0	N/A	0	ug/L
MW-019R	Southeast	Acetone	N/A	0	0	N/A	0	ug/L
MW-019R	Southeast	ALK	N/A	106	106	N/A	0	mg/L as Ca
MW-019R	Southeast	As	N/A	0	0	N/A	0	mg/L
MW-019R	Southeast	Ba	N/A	0.0328	0.0321	N/A	-0.0007	mg/L
MW-019R	Southeast	Benzene	N/A	0	0	N/A	0	ug/L
MW-019R	Southeast	Cl	N/A	6.16	6.05	N/A	-0.11	mg/L
MW-019R	Southeast	DCA	N/A	0	0	N/A	0	ug/L
MW-019R	Southeast	MC	N/A	0	0	N/A	0	ug/L
MW-019R	Southeast	Mn	N/A	0	0	N/A	0	mg/L
MW-019R	Southeast	N-NH3	N/A	0	0	N/A	0	mg/L
MW-019R	Southeast	N-NO3	N/A	1.26	1.36	N/A	0.1	mg/L
MW-019R	Southeast	Pb	N/A	0	0	N/A	0	mg/L
MW-019R	Southeast	PCE	N/A	0	0	N/A	0	ug/L
MW-019R	Southeast	SO4	N/A	4.65	4.69	N/A	0.04	mg/L
MW-019R	Southeast	TCE	N/A	0	0	N/A	0	ug/L
MW-019R	Southeast	TDS	N/A	117	143	N/A	26	mg/L
MW-019R	Southeast	TOC	N/A	1.15	1	N/A	-0.15	mg/L
MW-019R	Southeast	Toluene	N/A	0	0	N/A	0	ug/L
MW-019R	Southeast	VC	N/A	0	0	N/A	0	ug/L
MW-019R	Southeast	Zn	N/A	0	0	N/A	0	mg/L

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

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

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

Domestic Wells: Inorganics Time-Series Graphs

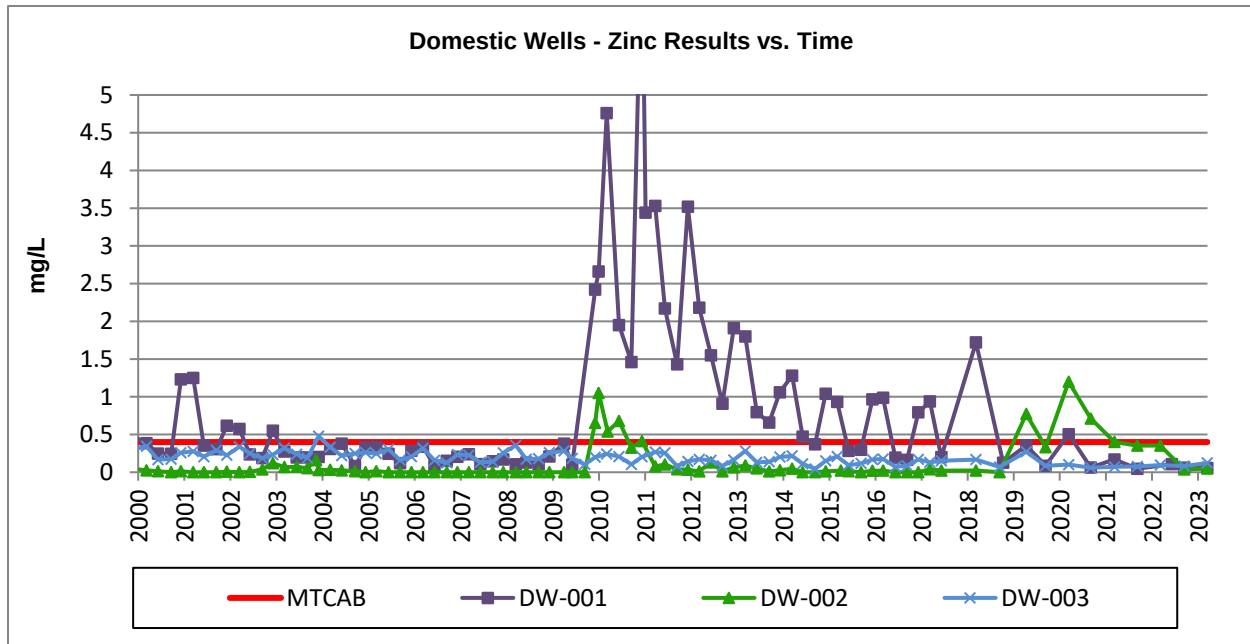


Figure 2-15: Domestic Wells Zinc Results vs. Time

Domestic Wells: Conventional Time-Series Graphs

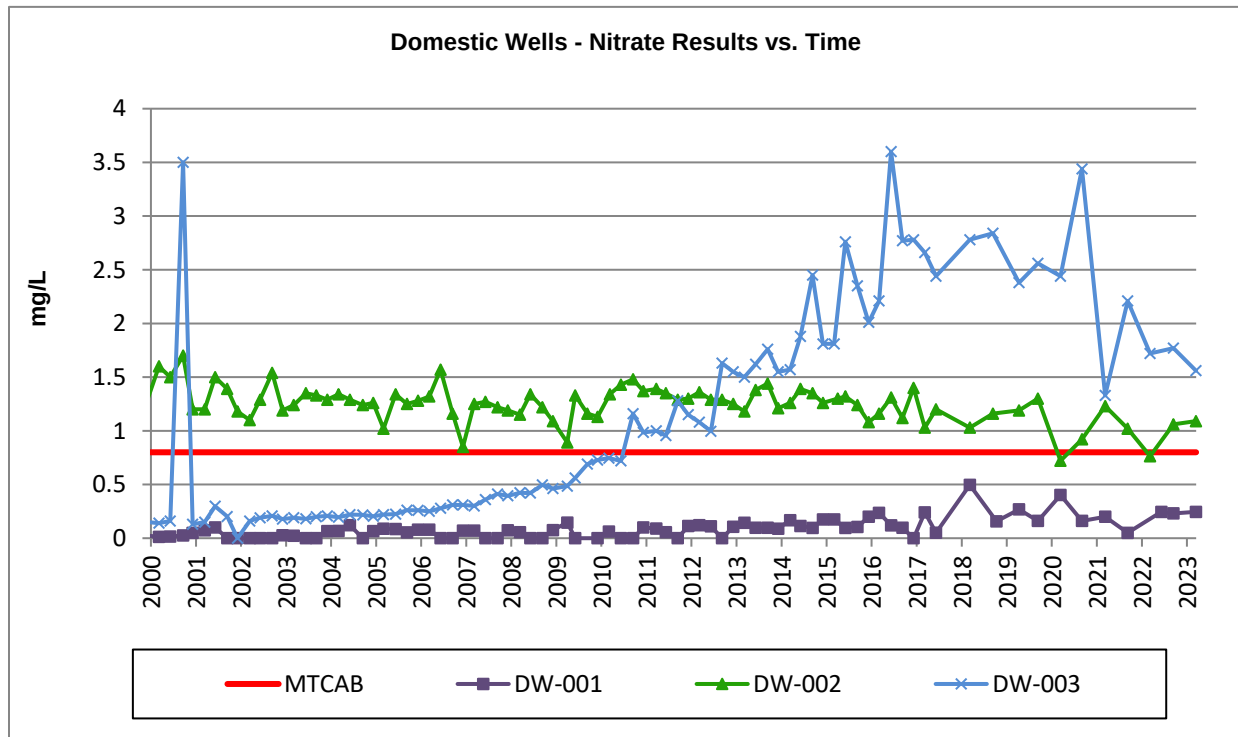


Figure 2-16: Domestic Wells Nitrate Results vs. Time

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

StationID	DrainageArea	Analyte	2018 Results	2022 Results	Current Year Results	5-Year Difference	1-Year Difference	Units
DW-001	Domestic	1,2-DCP	0	N/A	0	0	N/A	ug/L
DW-001	Domestic	Acetone	0	N/A	0	0	N/A	ug/L
DW-001	Domestic	ALK	158	N/A	147	-11	N/A	mg/L as Ca
DW-001	Domestic	As	0	N/A	0	0	N/A	mg/L
DW-001	Domestic	Ba	0.0432	N/A	0.0193	-0.0239	N/A	mg/L
DW-001	Domestic	Benzene	0	N/A	0	0	N/A	ug/L
DW-001	Domestic	Cl	17	N/A	15.5	-1.5	N/A	mg/L
DW-001	Domestic	DCA	0	N/A	0	0	N/A	ug/L
DW-001	Domestic	MC	0	N/A	0	0	N/A	ug/L
DW-001	Domestic	Mn	0.0304	N/A	0	-0.0304	N/A	mg/L
DW-001	Domestic	N-NH3	0	N/A	0	0	N/A	mg/L
DW-001	Domestic	N-NO3	0.496	N/A	0.245	-0.251	N/A	mg/L
DW-001	Domestic	Pb	0	N/A	0	0	N/A	mg/L
DW-001	Domestic	PCE	0	N/A	0	0	N/A	ug/L
DW-001	Domestic	SO4	7.11	N/A	10.8	3.69	N/A	mg/L
DW-001	Domestic	TCE	0	N/A	0	0	N/A	ug/L
DW-001	Domestic	TOC	1.53	N/A	0	-1.53	N/A	mg/L
DW-001	Domestic	Toluene	0	N/A	0	0	N/A	ug/L
DW-001	Domestic	VC	0	N/A	0	0	N/A	ug/L
DW-001	Domestic	Zn	1.72	N/A	0.0558	-1.6642	N/A	mg/L
DW-002	Domestic	1,2-DCP	0	0	0	0	0	ug/L
DW-002	Domestic	Acetone	0	0	0	0	0	ug/L
DW-002	Domestic	ALK	156	161	169	13	8	mg/L as Ca
DW-002	Domestic	As	0	0	0	0	0	mg/L
DW-002	Domestic	Ba	0.0332	0.0323	0.0389	0.0057	0.0066	mg/L
DW-002	Domestic	Benzene	0	0	0	0	0	ug/L
DW-002	Domestic	Cl	6.63	6.2	8.36	1.73	2.16	mg/L
DW-002	Domestic	DCA	0	0	0	0	0	ug/L
DW-002	Domestic	MC	0	0	0	0	0	ug/L
DW-002	Domestic	Mn	0.0116	0.0147	0	-0.0116	-0.0147	mg/L
DW-002	Domestic	N-NH3	0	0	0	0	0	mg/L

StationID	DrainageArea	Analyte	2018 Results	2022 Results	Current Year Results	5-Year Difference	1-Year Difference	Units
DW-002	Domestic	N-NO3	1.03	0.764	1.09	0.06	0.326	mg/L
DW-002	Domestic	Pb	0	0	0	0	0	mg/L
DW-002	Domestic	PCE	0	0	0	0	0	ug/L
DW-002	Domestic	SO4	6.24	6.65	4.55	-1.69	-2.1	mg/L
DW-002	Domestic	TCE	0	0	0	0	0	ug/L
DW-002	Domestic	TOC	0	0	0	0	0	mg/L
DW-002	Domestic	Toluene	0	0	0	0	0	ug/L
DW-002	Domestic	VC	0	0	0	0	0	ug/L
DW-002	Domestic	Zn	0.023	0.354	0.0493	0.0263	-0.3047	mg/L
DW-003	Domestic	1,2-DCP	0	0	0	0	0	ug/L
DW-003	Domestic	Acetone	0	0	0	0	0	ug/L
DW-003	Domestic	ALK	179	192	184	5	-8	mg/L as Ca
DW-003	Domestic	As	0	0	0	0	0	mg/L
DW-003	Domestic	Ba	0.0307	0.0284	0.028	-0.0027	-0.0004	mg/L
DW-003	Domestic	Benzene	0	0	0	0	0	ug/L
DW-003	Domestic	Cl	0.79	0.85	0.76	-0.03	-0.09	mg/L
DW-003	Domestic	DCA	0	0	0	0	0	ug/L
DW-003	Domestic	MC	0	0	0	0	0	ug/L
DW-003	Domestic	Mn	0	0	0	0	0	mg/L
DW-003	Domestic	N-NH3	0	0	0	0	0	mg/L
DW-003	Domestic	N-NO3	2.78	1.72	1.56	-1.22	-0.16	mg/L
DW-003	Domestic	Pb	0	0	0	0	0	mg/L
DW-003	Domestic	PCE	0	0	0	0	0	ug/L
DW-003	Domestic	SO4	1.79	1.25	1.15	-0.64	-0.1	mg/L
DW-003	Domestic	TCE	0	0	0	0	0	ug/L
DW-003	Domestic	TOC	0	0	0	0	0	mg/L
DW-003	Domestic	Toluene	0	0	0	0	0	ug/L
DW-003	Domestic	VC	0	0	0	0	0	ug/L
DW-003	Domestic	Zn	0.166	0.0954	0.123	-0.043	0.0276	mg/L

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

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

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

3 LEACHATE

3.1 LEACHATE DATA

As previously required by the wastewater discharge permit (issued by Spokane County), a grab sample was collected twice a year at the gravity line conveying leachate to the local sewer system. On November 1st, 2021, Spokane County Environmental Services discontinued the Mica Landfill's Wastewater Discharge Permit number SIU-4953-0-A, along with the leachate sampling and monthly Discharge Monitoring Reports (DMRs).

After evaluating years of leachate generation and constituent concentration data, Spokane County concluded that the leachate generated at Mica Landfill is not contaminated with pollutants, and that the average leachate generation for all days in 2020 was 9,825 gallons per day. Historically, the wastewater generated at Mica Landfill had complied with the local limits and the wastewater discharge permit requirements. Spokane County Environmental Services discontinued the wastewater discharge permit because the Mica Landfill is not considered a Significant Industrial User, and there is no reasonable potential for adversely affecting the treatment plant operation or violating any pretreatment standards.

The last field parameters collected from the Mica Landfill leachate occurred on 4/14/2021.

StationID	SampleID	SampleDate	Temp	PH	Conductivity	Turbidity
LS-GL	GWLS-GL-210414-D	4/14/2021	7.3	7.78	363	3.19
LS-GL	GWLS-GL-210414-C	4/14/2021	7.3	7.78	363	3.19
LS-GL	GWLS-GL-210414-B	4/14/2021	7.3	7.8	350	3.14
LS-GL	GWLS-GL-210414-A	4/14/2021	7.2	7.77	357	3.17

APPENDIX A: DATA VALIDATION SUMMARY

Analytical data for the December 2022/March 2023 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 2022/March 2023 Sampling Results

StationID	SampleDate	Analyte	AnalyteCat	Units	SampleID	AnalyticalRptLimit	Result	Qualifier
MS-005	3/16/2023	N-Nitrate	C	mg/L	GWMS-005-230316	0.05	1.36	J
MW-016	3/16/2023	N-Nitrate	C	mg/L	GWMW-016-230316	0.05	0.168	J
MW-020	3/16/2023	N-Nitrate	C	mg/L	GWMW-020-230316	0.05	1.94	J
MW-023	3/16/2023	N-Nitrate	C	mg/L	GWMW-023-230316	0.05	0.05	UJ
MW-029	3/16/2023	N-Nitrate	C	mg/L	GWMW-029-230316	0.05	1.02	J
MW-020	3/16/2023	N-Nitrate	C	mg/L	MWS-1-2-230316	0.05	1.96	J

D = Sample diluted during lab analysis

U = Non-detection at the reported detection limit

J = Analyzed value is qualified as an estimate.

The nitrate samples listed above were received/analyzed past their designated holding times, and have been qualified as estimates.

APPENDIX B: GROUNDWATER SAMPLING FIELD SHEETS

**MICA GROUNDWATER SAMPLING FIELD SHEET
2023**

DATE: <u>03/15/2023</u>		WELL ID: <u>DW-001</u>		FIELD TEAM: MT <u>GF, CC</u>																																											
SAMPLE ID: <u>6WDW-001-230315</u>			QA / QC SAMPLE ID: <u>N/A</u>																																												
FIELD CONDITIONS: <u>mstly clear, 32°F</u>																																															
START TIME: <u>0920</u> SAMPLE TIME: <u>0938</u> QA / QC SAMPLE TIME: <u>N/A</u> END TIME: <u>0 0946</u> DEDICATED BLADDER: _____ DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: <u>✓</u>																																															
METER AND PURGING INFORMATION:																																															
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																												
pH	EXTECH 100	<u>476432</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>23474 slope Ind</u>	<u>23474</u>																																													
TOTAL DEPTH OF WELL: <u>N/A > 300'</u>			CALCULATIONS: PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																												
PACKER DEPTH: <u>NA</u>																																															
STATIC WATER LEVEL: <u>NA > 300'</u>																																															
COLUMN OF WATER: <u>NA</u>																																															
COLUMN OF WATER ABOVE PACKER: _____																																															
COLUMN OF WATER BELOW PACKER: _____																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>PARAMETERS:</td> <td>(+/- 10%)</td> <td>(+/- .1)</td> <td>(+/- 10%)</td> <td colspan="2"></td> </tr> <tr> <td>GAL PURGED / TIME</td> <td>TEMP</td> <td>pH</td> <td>CONDUCTIVITY</td> <td colspan="2">APPEARANCE</td> </tr> <tr> <td><u>0925</u></td> <td><u>11.1</u></td> <td><u>6.78</u></td> <td><u>373</u></td> <td colspan="2"><u>Clear</u></td> </tr> <tr> <td><u>0930</u></td> <td><u>11.2</u></td> <td><u>6.76</u></td> <td><u>355</u></td> <td colspan="2"><u>Clear</u></td> </tr> <tr> <td><u>0935</u></td> <td><u>11.2</u></td> <td><u>6.76</u></td> <td><u>356</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>TURBIDITY: <u>0.31</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>0925</u>	<u>11.1</u>	<u>6.78</u>	<u>373</u>	<u>Clear</u>		<u>0930</u>	<u>11.2</u>	<u>6.76</u>	<u>355</u>	<u>Clear</u>		<u>0935</u>	<u>11.2</u>	<u>6.76</u>	<u>356</u>	<u>Clear</u>											TURBIDITY: <u>0.31</u>	NTU (meas. In field lab)	
PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)																																												
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																											
<u>0925</u>	<u>11.1</u>	<u>6.78</u>	<u>373</u>	<u>Clear</u>																																											
<u>0930</u>	<u>11.2</u>	<u>6.76</u>	<u>355</u>	<u>Clear</u>																																											
<u>0935</u>	<u>11.2</u>	<u>6.76</u>	<u>356</u>	<u>Clear</u>																																											
			TURBIDITY: <u>0.31</u>	NTU (meas. In field lab)																																											

COMMENTS: Purged well 15 minutes then sampled.

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWDW-001-230315

SAMPLE TIME: 0938

QA / QC SAMPLE ID: N/A

QA / QC SAMPLE TIME: N/A

GROUNDWATER SAMPLES							
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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	HCl 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

2023

DATE: 03/15/2023		WELL ID: DW-002		FIELD TEAM: MT, GF, CC	
SAMPLE ID: GWDW-002-230315			QA / QC SAMPLE ID: N/A		
FIELD CONDITIONS: ptly cldy, 34°-36°F					
START TIME: 1041		DEDICATED BLADDER: _____			
SAMPLE TIME: 1057		DISPOSABLE BAILER: _____			
QA / QC SAMPLE TIME: N/A		PRIVATE DOMESTIC WELL: ☒			
END TIME: 1108					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	476085	Calibrated to 4, 7 & 10 buffer		
CONDUCTIVITY	ECTESTR 11+	7810	Std. to 700 umhos/cm		
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, and 331 NTU		
SWL INDICATOR	Slope Ind	23475			
TOTAL DEPTH OF WELL: N/A - SWL Port Blocked			CALCULATIONS:		
PACKER DEPTH: NA					
STATIC WATER LEVEL: * SWL Port Blocked					
COLUMN OF WATER: NA					
COLUMN OF WATER ABOVE PACKER: _____			PACKER INFORMATION:		
COLUMN OF WATER BELOW PACKER: _____			COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)		
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
1046	10.7	6.78	349	clear	
1051	11.0	6.74	336	clear	
1056	11.0	6.72	360	clear	
			TURBIDITY: 0.16 NTU (meas. In field lab)		

- purged well 15 min to clear lines prior to sampling

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWDW-002-230315

SAMPLE TIME: 1057

QA / QC SAMPLE ID: N/A

QA / QC SAMPLE TIME: N/A

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023

* Dupe taken here

DATE: <u>03/15/2023</u>		WELL ID: <u>DW-003</u>		FIELD TEAM: MT, GF, CC																																				
SAMPLE ID: <u>GWDW-003-230315</u>			QA / QC SAMPLE ID: <u>MWS-1-1-230315</u>																																					
FIELD CONDITIONS: <u>ptly cldy, 39°F</u>																																								
START TIME: <u>start water @ 1146</u> <u>pump on @ 1150</u> SAMPLE TIME: <u>1207</u> QA / QC SAMPLE TIME: <u>1157</u> END TIME: <u>1225</u> DEDICATED BLADDER: _____ DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: ☒																																								
METER AND PURGING INFORMATION:																																								
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																					
pH	EXTECH 100		Calibrated to 4, 7 & 10 buffer																																					
CONDUCTIVITY	ECTESTR 11+		Std. to 700 umhos/cm																																					
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, and 331 NTU																																					
SWL INDICATOR																																								
TOTAL DEPTH OF WELL: <u>200.00'</u>			CALCULATIONS: PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																					
PACKER DEPTH: <u>NA</u>																																								
STATIC WATER LEVEL: <u>4.25'</u>																																								
COLUMN OF WATER: _____																																								
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>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>1155</u></td> <td><u>11.1</u></td> <td><u>7.15</u></td> <td><u>375</u></td> <td><u>clear</u></td> </tr> <tr> <td><u>1200</u></td> <td><u>11.3</u></td> <td><u>7.19</u></td> <td><u>373</u></td> <td><u>clear</u></td> </tr> <tr> <td><u>1205</u></td> <td><u>11.4</u></td> <td><u>7.23</u></td> <td><u>359</u></td> <td><u>clear</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="3"> </td> <td colspan="2">TURBIDITY: <u>0.25</u> NTU (meas. in field lab)</td> </tr> </table>						PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	<u>1155</u>	<u>11.1</u>	<u>7.15</u>	<u>375</u>	<u>clear</u>	<u>1200</u>	<u>11.3</u>	<u>7.19</u>	<u>373</u>	<u>clear</u>	<u>1205</u>	<u>11.4</u>	<u>7.23</u>	<u>359</u>	<u>clear</u>									TURBIDITY: <u>0.25</u> NTU (meas. in field lab)	
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<u>1205</u>	<u>11.4</u>	<u>7.23</u>	<u>359</u>	<u>clear</u>																																				
			TURBIDITY: <u>0.25</u> NTU (meas. in field lab)																																					

COMMENTS: Purged 15 minutes before sampling.

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GW DW-003-230315

SAMPLE TIME: 1207

QA / QC SAMPLE ID: MWS-1-1-230315

QA / QC SAMPLE TIME: 1157

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023**

DATE: <u>03/15/2023</u>		WELL ID: <u>MS-4</u>		FIELD TEAM: MT, <u>GF, CC</u>																																				
SAMPLE ID: <u>GWMS-004-230315</u>			QA / QC SAMPLE ID: <u>N/A</u>																																					
FIELD CONDITIONS: <u>cidy, 37°F</u>																																								
START TIME: <u>1340</u> SAMPLE TIME: <u>1434</u> QA / QC SAMPLE TIME: <u>N/A</u> END TIME: <u>1451</u> DEDICATED BLADDER: _____ DISPOSABLE BAILER: ☒ PRIVATE DOMESTIC WELL: _____																																								
METER AND PURGING INFORMATION:																																								
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																					
pH	EXTECH 100	<u>476085</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>32.00'</u>			CALCULATIONS: <u>23.95' x 0.17 = 4.1 gal/vol</u> PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																					
PACKER DEPTH: _____																																								
STATIC WATER LEVEL: <u>8.05'</u>																																								
COLUMN OF WATER: <u>23.95'</u>																																								
COLUMN OF WATER ABOVE PACKER: <u>N/A</u>																																								
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COMMENTS:

*Purge well dry, allowed it to recharge then sampled
SWL @ MW 21 - 6.95'
" " MW 17 - 8.69'
MW 18 - 16.52'
MS 6 - 2.44'

MICAFIELDST

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMS-004-230315

SAMPLE TIME: 1434

QA / QC SAMPLE ID: N/A

QA / QC SAMPLE TIME: N/A

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023

MS/MSD Here

DATE: <u>3/16/2023</u>		WELL ID: <u>MS-5</u>		FIELD TEAM: <u>MT, GP, CC</u>	
SAMPLE ID: <u>GWMS-005-230316</u>			QA / QC SAMPLE ID: <u>MS/MSD here</u>		
FIELD CONDITIONS: <u>mstly clear 33-36°</u>					
START TIME: <u>0905</u>		DEDICATED BLADDER: ☒			
SAMPLE TIME: <u>0947</u>		DISPOSABLE BAILER: ☐			
QA / QC SAMPLE TIME: <u>NA-</u>		PRIVATE DOMESTIC WELL: ☐			
END TIME: <u>1006</u>					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>476085</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>			CALCULATIONS:		
PACKER DEPTH: <u>NA-</u>			<u>$36.43 \times 0.17 = 6.2$ use 6.5 gal/vol</u>		
STATIC WATER LEVEL: <u>16.57</u>					
COLUMN OF WATER: <u>36.43</u>					
COLUMN OF WATER ABOVE PACKER: <u>NA</u>			PACKER INFORMATION:		
COLUMN OF WATER BELOW PACKER: <u>NA-</u>			COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)		
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
<u>6.5 0915</u>	<u>10.6</u>	<u>6.54</u>	<u>296</u>	<u>clear</u>	
<u>13.0 0928</u>	<u>10.5</u>	<u>6.57</u>	<u>306</u>	<u>clear</u>	
<u>19.5 0946</u>	<u>10.6</u>	<u>6.55</u>	<u>298</u>	<u>clear</u>	
			TURBIDITY: <u>2.32</u> NTU (meas. In field lab)		

COMMENTS: MS/MSD taken here, FILLED 2 EXTRA SETS
for ALL PARAMETERS
MICAFIELDST *UPON ARRIVAL TO LAB ONE OF
THE VOCs WAS BROKEN

MS/MSD here

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBERSAMPLE ID: GWMS-005-230316SAMPLE TIME: 0947QA / QC SAMPLE ID: NAQA / QC SAMPLE TIME: NA

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023

DATE: <u>03/15/2023</u>		WELL ID: <u>MW-9</u>		FIELD TEAM: <u>MT, GF, CC</u>																																				
SAMPLE ID: <u>GWMW-009-230315</u>			QA / QC SAMPLE ID: <u>N/A</u>																																					
FIELD CONDITIONS: <u>P.C. LOW-MID 30S</u>																																								
START TIME: <u>0945</u> SAMPLE TIME: <u>1030</u> QA / QC SAMPLE TIME: <u>N/A</u> END TIME: <u>1033</u> DEDICATED BLADDER: ☒ DISPOSABLE BAILER: ☐ PRIVATE DOMESTIC WELL: ☐																																								
METER AND PURGING INFORMATION:																																								
METER		MAKE / MODEL		SERIAL NO.																																				
pH		EXTECH 100		472990																																				
CONDUCTIVITY		ECTESTR 11+		24B																																				
TURBIDITY		Hach 2100P		#020100024957																																				
SWL INDICATOR																																								
TOTAL DEPTH OF WELL: <u>25.18'</u> PACKER DEPTH: <u>—</u> STATIC WATER LEVEL: <u>3.91'</u> COLUMN OF WATER: <u>21.57</u> COLUMN OF WATER ABOVE PACKER: _____ COLUMN OF WATER BELOW PACKER: _____				CALCULATIONS: <u>21.57 x 1.7 = 3.69 = 4 GAL</u> PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																				
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>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>APPEARANCE</th> </tr> </thead> <tbody> <tr> <td>4 GAL / 0959</td> <td>8.1</td> <td>6.88</td> <td>451</td> <td>CLEAR</td> </tr> <tr> <td>8 GAL / 1013</td> <td>7.9</td> <td>6.87</td> <td>459</td> <td>CLEAR</td> </tr> <tr> <td>12 GAL / 1029</td> <td>7.8</td> <td>6.85</td> <td>457</td> <td>CLEAR</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="3"> </td> <td>TURBIDITY: <u>1.31</u></td> <td>NTU (meas. in field lab)</td> </tr> </tbody> </table>						PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	4 GAL / 0959	8.1	6.88	451	CLEAR	8 GAL / 1013	7.9	6.87	459	CLEAR	12 GAL / 1029	7.8	6.85	457	CLEAR									TURBIDITY: <u>1.31</u>	NTU (meas. in field lab)
PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)																																					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																				
4 GAL / 0959	8.1	6.88	451	CLEAR																																				
8 GAL / 1013	7.9	6.87	459	CLEAR																																				
12 GAL / 1029	7.8	6.85	457	CLEAR																																				
			TURBIDITY: <u>1.31</u>	NTU (meas. in field lab)																																				

COMMENTS: SWL @ MS-8 = 4.17'

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-009-230315

SAMPLE TIME: 1030

QA / QC SAMPLE ID: N/A

QA / QC SAMPLE TIME: N/A

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023

DATE: <u>03/15/2023</u>		WELL ID: <u>MW-10</u>		FIELD TEAM: <u>(MT), GF, CC</u>	
SAMPLE ID: <u>GWMW-010-230315</u>			QA / QC SAMPLE ID: <u>N/A</u>		
FIELD CONDITIONS: <u>P.CLOUDY Low 30's</u>					
START TIME: <u>0900</u> SAMPLE TIME: <u>0935</u> QA / QC SAMPLE TIME: <u>N/A</u> END TIME: <u>0940</u> DEDICATED BLADDER: <u>✓</u> DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: _____					
METER AND PURGING INFORMATION:					
METER		MAKE / MODEL		SERIAL NO.	
pH		EXTECH 100		472990	
CONDUCTIVITY		ECTESTR 11+		24B	
TURBIDITY		Hach 2100P		#020100024957	
SWL INDICATOR					
TOTAL DEPTH OF WELL: <u>63.18'</u>		CALCULATIONS: <u>$16.18' \times 0.17 = 2.75 \Rightarrow 3 \text{ gal} \times 3 = 9 \text{ gal}$</u> <u>$43.82' \times .433 \times 1.25 + 30 = 55 \text{ PSI}$</u> PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)			
PACKER DEPTH: <u>47.00'</u>					
STATIC WATER LEVEL: <u>3.18'</u>					
COLUMN OF WATER: <u>16.18'</u>					
COLUMN OF WATER ABOVE PACKER: <u>43.82'</u>					
COLUMN OF WATER BELOW PACKER: <u>16.18'</u>					
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
<u>3 gal / 0912</u>	<u>8.7</u>	<u>7.07</u>	<u>149.1</u>	<u>CLEAR</u>	
<u>6 gal / 0923</u>	<u>8.7</u>	<u>7.09</u>	<u>150</u>	<u>CLEAR</u>	
<u>9 gal / 0933</u>	<u>8.6</u>	<u>7.08</u>	<u>150</u>	<u>CLEAR</u>	
			TURBIDITY: <u>0.19</u> NTU (meas. in field lab)		

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-010-230315

SAMPLE TIME: 0935

QA / QC SAMPLE ID: N/A

QA / QC SAMPLE TIME: N/A

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023**

DATE: <u>03/15/2023</u>		WELL ID: <u>MW-13</u>		FIELD TEAM: <u>MT</u> GF, CC	
SAMPLE ID: <u>GWMW-013-230315</u>			QA / QC SAMPLE ID: <u>N/A</u>		
FIELD CONDITIONS: <u>P. CLOUDY MID-30S</u>					
START TIME: <u>1100</u>		DEDICATED BLADDER: ☒			
SAMPLE TIME: <u>1200</u>		DISPOSABLE BAILER: ☐			
QA / QC SAMPLE TIME: <u>N/A</u>		PRIVATE DOMESTIC WELL: ☐			
END TIME: <u>1204</u>					

METER AND PURGING INFORMATION:			
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH 100	<u>472990</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>84.44'</u> PACKER DEPTH: <u>59.00'</u> STATIC WATER LEVEL: <u>18.29'</u> COLUMN OF WATER: <u>25.44'</u> COLUMN OF WATER ABOVE PACKER: <u>40.7'</u> COLUMN OF WATER BELOW PACKER: <u>25.44'</u>	CALCULATIONS: $25.44' \times 0.17 = 4.3 \Rightarrow 4.5 \text{ gal} \times 3 = 13.5 \text{ gal}$ $40.71' \times .433 \times 1.25 + 30 = 52 \text{ PSI}$ PACKER INFORMATION: COW $\times .433 \times 1.25 + 30 = \text{PACKER INFLATION (PSI)}$
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PARAMETERS:				
	(+/- 10%)	(+/- .1)	(+/- 10%)	
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>4.5 GAL / 1119</u>	<u>9.2</u>	<u>6.87</u>	<u>382</u>	<u>CLEAN</u>
<u>9.0 GAL / 1139</u>	<u>9.1</u>	<u>6.89</u>	<u>384</u>	<u>CLEAN</u>
<u>13.5 GAL / 1159</u>	<u>9.2</u>	<u>6.89</u>	<u>386</u>	<u>CLEAN</u>
			TURBIDITY: <u>0.61</u>	NTU (meas. in field lab)

COMMENTS:

SWL @ MW-12 = 23.6' (MT)
Purged to in-lakes
CC MW-12 = 23.6'
on 3/14

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-013-230315

SAMPLE TIME: 1200

QA / QC SAMPLE ID: N/A

QA / QC SAMPLE TIME: N/A

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023

DATE: <u>03/15/2023</u>		WELL ID: <u>MW-14</u>		FIELD TEAM: <u>MT</u> GF, CC																																				
SAMPLE ID: <u>GW MW-014-230315</u>			QA / QC SAMPLE ID: <u>N/A</u>																																					
FIELD CONDITIONS: <u>P. CLOUDY UPPER 20S</u>																																								
START TIME: <u>0800 1300</u>		DEDICATED BLADDER: <u>✓</u>																																						
SAMPLE TIME: <u>1345</u>		DISPOSABLE BAILER: _____																																						
QA / QC SAMPLE TIME: <u>N/A</u>		PRIVATE DOMESTIC WELL: _____																																						
END TIME: <u>1349</u>																																								
METER AND PURGING INFORMATION:																																								
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																					
pH	EXTECH 100	<u>472990</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>55.36'</u>			CALCULATIONS: $15.86' \times 0.17 = 2.69 \Rightarrow 3 \text{ gal} \times 3 = 9 \text{ gal}$ $39.5' \times .433 \times 1.25 + 30 = 52 \text{ PSI}$																																					
PACKER DEPTH: <u>39.5'</u>																																								
STATIC WATER LEVEL: <u>0.00</u> WH																																								
COLUMN OF WATER: <u>15.86'</u>																																								
COLUMN OF WATER ABOVE PACKER: _____																																								
COLUMN OF WATER BELOW PACKER: <u>15.86'</u>			PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																					
<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 / 1313</u></td> <td><u>8.8</u></td> <td><u>7.09</u></td> <td><u>150</u></td> <td><u>CLEAN</u></td> </tr> <tr> <td><u>6 gal / 1327</u></td> <td><u>8.7</u></td> <td><u>7.11</u></td> <td><u>154</u></td> <td><u>CLEAN</u></td> </tr> <tr> <td><u>9 gal / 1341</u></td> <td><u>8.6</u></td> <td><u>7.10</u></td> <td><u>153</u></td> <td><u>CLEAN</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="3">TURBIDITY: <u>0.89</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 / 1313</u>	<u>8.8</u>	<u>7.09</u>	<u>150</u>	<u>CLEAN</u>	<u>6 gal / 1327</u>	<u>8.7</u>	<u>7.11</u>	<u>154</u>	<u>CLEAN</u>	<u>9 gal / 1341</u>	<u>8.6</u>	<u>7.10</u>	<u>153</u>	<u>CLEAN</u>						TURBIDITY: <u>0.89</u>			NTU (meas. in field lab)	
PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)																																					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																				
<u>3 gal / 1313</u>	<u>8.8</u>	<u>7.09</u>	<u>150</u>	<u>CLEAN</u>																																				
<u>6 gal / 1327</u>	<u>8.7</u>	<u>7.11</u>	<u>154</u>	<u>CLEAN</u>																																				
<u>9 gal / 1341</u>	<u>8.6</u>	<u>7.10</u>	<u>153</u>	<u>CLEAN</u>																																				
TURBIDITY: <u>0.89</u>			NTU (meas. in field lab)																																					

COMMENTS:

WLC MS-7 = 1.71'

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-014-230315

SAMPLE TIME: 1345

QA / QC SAMPLE ID: N/A

QA / QC SAMPLE TIME: N/A

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023**

DATE: <u>3/16/2023</u>		WELL ID: <u>MW-16</u>		FIELD TEAM: <u>MT, GF, CC</u>	
SAMPLE ID: <u>GWMW-016-230316</u>			QA / QC SAMPLE ID: <u>-NA-</u>		
FIELD CONDITIONS: <u>Clear</u>					
START TIME: <u>1201</u>		DEDICATED BLADDER: <u>✓</u>			
SAMPLE TIME: <u>1318</u>		DISPOSABLE BAILER: _____			
QA / QC SAMPLE TIME: <u>-NA-</u>		PRIVATE DOMESTIC WELL: _____			
END TIME: <u>1326</u>					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>476115</u>	Calibrated to 4, 7 & 10 buffer		
CONDUCTIVITY	ECTESTR 11+	<u>1312423</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>				
TOTAL DEPTH OF WELL: <u>93.42'</u>			CALCULATIONS:		
PACKER DEPTH: <u>73.0'</u>			<u>$20.42 \times 0.17 = 3.5g$</u>		
STATIC WATER LEVEL: <u>20.05</u>					
COLUMN OF WATER: <u>73.37</u>					
COLUMN OF WATER ABOVE PACKER: <u>52.95</u>			PACKER INFORMATION:		
COLUMN OF WATER BELOW PACKER: <u>20.42'</u>			<u>$52.95 \times .433 \times 1.25 + 30 = 58.66 \Rightarrow 60\%$</u>		
			COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)		
PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)		
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
<u>3.5 / 1226</u>	<u>10.4</u>	<u>6.79</u>	<u>1971</u>	<u>Orange tint - light - Bubbles</u>	
<u>2.0 / 1251</u>	<u>10.4</u>	<u>6.82</u>	<u>1990</u>	<u>Orange tint - light - Bubbles</u>	
<u>10.5 / 1315</u>	<u>10.4</u>	<u>6.80</u>	<u>1988</u>	<u>Orange tint - light - Bubbles</u>	
			TURBIDITY: <u>0.58</u> NTU (meas. In field lab)		

- SWL @ MS2 -

COMMENTS: - water here smells bad

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GW-MW-016-230316

SAMPLE TIME: 1318

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: NA

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023

DATE: <u>3/15/2023</u>		WELL ID: <u>MW-19R</u>		FIELD TEAM: <u>MT, GF, CC</u>																																				
SAMPLE ID: <u>GMW-019R-230315</u>		QA / QC SAMPLE ID: <u>-NA- Purged: GF/CC</u>																																						
FIELD CONDITIONS: <u>ptly c/dy, 40°</u>		SAMPLED: <u>MT</u>																																						
START TIME: <u>0800</u> SAMPLE TIME: <u>1415</u> QA / QC SAMPLE TIME: <u>-NA-</u> END TIME: <u>1423</u> DEDICATED BLADDER: <u>✓</u> DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: _____																																								
METER AND PURGING INFORMATION:																																								
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																					
pH	EXTECH 100		Calibrated to 4, 7 & 10 buffer																																					
CONDUCTIVITY	ECTESTR 11+		Std. to 700 umhos/cm																																					
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, and 331 NTU																																					
SWL INDICATOR																																								
TOTAL DEPTH OF WELL: <u>85.35'</u>			CALCULATIONS: <u>43.28' • 0.17 gal / ft = 7.36 gal ≈ 7.5 gal</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>42.07</u>																																								
COLUMN OF WATER: <u>43.28</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>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>cc 7.5 2 0814</u></td> <td><u>10.3</u></td> <td><u>6.52</u></td> <td><u>243</u></td> <td><u>Clear</u></td> </tr> <tr> <td><u>cc 15 4 0819</u></td> <td><u>10.4</u></td> <td><u>6.51</u></td> <td><u>245</u></td> <td><u>Clear</u></td> </tr> <tr> <td><u>cc 22.5 6.5 0829</u></td> <td><u>10.6</u></td> <td><u>6.54</u></td> <td><u>246</u></td> <td><u>Clear</u></td> </tr> <tr> <td><u>8.5 0830</u></td> <td><u>10.2</u></td> <td><u>6.62</u></td> <td><u>229</u></td> <td><u>Clear</u></td> </tr> <tr> <td><u>1410</u></td> <td><u>10.3</u></td> <td><u>6.68</u> <u>(MT)</u></td> <td><u>231</u> <u>✓</u></td> <td><u>4.01</u> <u>NTU</u> (meas. in field lab)</td> </tr> </table>						PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	<u>cc 7.5 2 0814</u>	<u>10.3</u>	<u>6.52</u>	<u>243</u>	<u>Clear</u>	<u>cc 15 4 0819</u>	<u>10.4</u>	<u>6.51</u>	<u>245</u>	<u>Clear</u>	<u>cc 22.5 6.5 0829</u>	<u>10.6</u>	<u>6.54</u>	<u>246</u>	<u>Clear</u>	<u>8.5 0830</u>	<u>10.2</u>	<u>6.62</u>	<u>229</u>	<u>Clear</u>	<u>1410</u>	<u>10.3</u>	<u>6.68</u> <u>(MT)</u>	<u>231</u> <u>✓</u>	<u>4.01</u> <u>NTU</u> (meas. in field lab)
PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)																																					
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COMMENTS:

- Purged well dry, allowed well to recharge most of the day before sampling -

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWmw-019R-230315

SAMPLE TIME: 1415

QA / QC SAMPLE ID: NA -

QA / QC SAMPLE TIME: NA -

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023**

** Dupe taken here*

DATE: <u>03/16/2023</u>	WELL ID: <u>MW-20</u>	FIELD TEAM: <u>(MT) GF, CC</u>
SAMPLE ID: <u>6WMW-020-230316</u>	QA / QC SAMPLE ID: <u>MWS-1-2-230316</u>	
FIELD CONDITIONS: <u>CLEAR COOL MID-20'S Low 30'S @ END</u>		

START TIME: 0839 ~~0839~~

DEDICATED BLADDER: ✓

SAMPLE TIME: 1015

DISPOSABLE BAILER: _____

QA / QC SAMPLE TIME: 1000

PRIVATE DOMESTIC WELL: _____

END TIME: 1030

METER AND PURGING INFORMATION:

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH 100	<u>472990</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: 141.55'

CALCULATIONS:

PACKER DEPTH: 116.00'

$$25.55 \times 0.17 = 4.34 \Rightarrow 4.5 \times 3 = 13.5 \text{ gal}$$

STATIC WATER LEVEL: 61.02'

$$54.98' \times .433 \times 1.25 + 30 = 60 \text{ PSI}$$

COLUMN OF WATER: 25.55'

COLUMN OF WATER ABOVE PACKER: 54.98'

PACKER INFORMATION:

COLUMN OF WATER BELOW PACKER: 25.55'

$$\text{COW} \times .433 \times 1.25 + 30 = \text{PACKER INFLATION (PSI)}$$

PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)	
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>4.5 gal / 0910</u>	<u>10.2</u>	<u>7.29</u>	<u>510</u>	<u>CLOUDY MILKY COLOR</u>
<u>9.0 gal / 0942</u>	<u>10.0</u>	<u>7.32</u>	<u>509</u>	<u>"</u>
<u>13.5 gal / 1013</u>	<u>10.1</u>	<u>7.31</u>	<u>512</u>	<u>"</u>

TURBIDITY: 5.50 NTU (meas. in field lab)

COMMENTS:

" DUPE TAKEN HERE "

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-020-230316

SAMPLE TIME: 1015

QA / QC SAMPLE ID: MWS-1-2-230316

QA / QC SAMPLE TIME: 1000

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	HCl 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: * Duge taken here
* 15/11/2023

**MICA GROUNDWATER SAMPLING FIELD SHEET
2023**

DATE: <u>03/16/2023</u>		WELL ID: <u>MW-23</u>		FIELD TEAM: MT, <u>GF</u> , CC																																											
SAMPLE ID: <u>6WMW-023-230316</u>			QA / QC SAMPLE ID: <u>N/A</u>																																												
FIELD CONDITIONS: <u>mostly clear, 38°</u>																																															
START TIME: <u>1103</u> SAMPLE TIME: <u>1149</u> QA / QC SAMPLE TIME: <u>N/A</u> END TIME: <u>1156</u> DEDICATED BLADDER: <u>✓</u> DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: _____																																															
METER AND PURGING INFORMATION:																																															
METER		MAKE / MODEL		SERIAL NO.																																											
pH		EXTECH 100		<u>476085</u>																																											
CONDUCTIVITY		ECTESTR 11+		<u>7810</u>																																											
TURBIDITY		Hach 2100P		<u>#020100024957</u>																																											
SWL INDICATOR		<u>Slope Ind</u>		<u>23474</u>																																											
TOTAL DEPTH OF WELL: <u>58.09</u>			CALCULATIONS: <u>$37.98 \times 0.17 = 6.5$ vsr 7.0 gpm</u> PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																												
PACKER DEPTH: <u>-NA-</u>																																															
STATIC WATER LEVEL: <u>20.11</u>																																															
COLUMN OF WATER: <u>37.98</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> <td colspan="2">PARAMETERS:</td> <td>(+/- 10%)</td> <td>(+/- .1)</td> <td>(+/- 10%)</td> <td></td> </tr> <tr> <td colspan="2">GAL PURGED / TIME</td> <td>TEMP</td> <td>pH</td> <td>CONDUCTIVITY</td> <td>APPEARANCE</td> </tr> <tr> <td><u>7</u></td> <td><u>1112</u></td> <td><u>10.5</u></td> <td><u>6.97</u></td> <td><u>669</u></td> <td><u>clear</u></td> </tr> <tr> <td><u>14</u></td> <td><u>1127</u></td> <td><u>10.6</u></td> <td><u>6.95</u></td> <td><u>672</u></td> <td><u>clear</u></td> </tr> <tr> <td><u>21</u></td> <td><u>1148</u></td> <td><u>10.6</u></td> <td><u>6.99</u></td> <td><u>679</u></td> <td><u>clear</u></td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME		TEMP	pH	CONDUCTIVITY	APPEARANCE	<u>7</u>	<u>1112</u>	<u>10.5</u>	<u>6.97</u>	<u>669</u>	<u>clear</u>	<u>14</u>	<u>1127</u>	<u>10.6</u>	<u>6.95</u>	<u>672</u>	<u>clear</u>	<u>21</u>	<u>1148</u>	<u>10.6</u>	<u>6.99</u>	<u>679</u>	<u>clear</u>												
PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)																																											
GAL PURGED / TIME		TEMP	pH	CONDUCTIVITY	APPEARANCE																																										
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<u>21</u>	<u>1148</u>	<u>10.6</u>	<u>6.99</u>	<u>679</u>	<u>clear</u>																																										
				TURBIDITY: <u>5.14</u> NTU (meas. In field lab)																																											

COMMENTS:

SWL @ MW 22 - 6.47'

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-023-2303 ~~26~~

SAMPLE TIME: 1149

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: NA

GROUNDWATER SAMPLES							
PARAMETERS:	MONITORING WELLS				RESIDENTIAL WELLS		
	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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023

DATE: <u>03/16/2023</u>		WELL ID: <u>MW-29</u>		FIELD TEAM: <u>MT, GF, CC</u>	
SAMPLE ID: <u>GWMW-029-230316</u>			QA / QC SAMPLE ID: <u>N/A</u>		
FIELD CONDITIONS: <u>Clear</u>					
START TIME: <u>0825</u>		DEDICATED BLADDER: ☒			
SAMPLE TIME: <u>1037</u>		DISPOSABLE BAILER: ☐			
QA / QC SAMPLE TIME: <u>N/A</u>		PRIVATE DOMESTIC WELL: ☐			
END TIME: <u>1051</u>					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>476115</u>	Calibrated to 4, 7 & 10 buffer		
CONDUCTIVITY	ECTESTR 11+	<u>1312433</u>	Std. to 700 umhos/cm		
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU		
SWL INDICATOR	<u>5/9e 1nd</u>	<u>1837167</u>			
TOTAL DEPTH OF WELL: <u>61.50</u>			CALCULATIONS: $COW = 61.50' - 37.59' = 23.91'$		
PACKER DEPTH: <u>-</u>			$V_{cow} = 23.91' \cdot 0.17 \text{ gal/}' = 4.06 \Rightarrow 4.25 \text{ gal}$		
STATIC WATER LEVEL: <u>37.59</u>					
COLUMN OF WATER: <u>23.91</u>					
COLUMN OF WATER ABOVE PACKER: <u>N/A</u>			PACKER INFORMATION:		
COLUMN OF WATER BELOW PACKER: <u>N/A</u>			$COW \times .433 \times 1.25 + 30 = \text{PACKER INFLATION (PSI)}$		
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
<u>4.25/0840</u>	<u>9.4</u>	<u>6.09</u>	<u>609</u> <u>u</u>	<u>Clear</u>	
<u>8.5/0915</u>	<u>7.7</u>	<u>6.26</u>	<u>601</u> <u>u</u>	<u>Clear</u>	
<u>12.75/1030</u>	<u>7.5</u>	<u>6.33</u>	<u>592</u> <u>u</u>	<u>Clear</u>	
			TURBIDITY: <u>.30</u> NTU (meas. In field lab)		

COMMENTS:

Purged well to intakes u

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-029-230316

SAMPLE TIME: 1037

QA / QC SAMPLE ID: N/A

QA / QC SAMPLE TIME: N/A

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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
2023

DATE: <u>03/15/2023</u>		WELL ID: <u>MW-31</u>		FIELD TEAM: <u>(MT) GF, CC</u>	
SAMPLE ID: <u>GWMW-031-230315</u>			QA / QC SAMPLE ID: <u>N/A</u>		
FIELD CONDITIONS: <u>P.C. Low 30s</u>					
START TIME: <u>0815</u> SAMPLE TIME: <u>0840</u> QA / QC SAMPLE TIME: <u>N/A</u> END TIME: <u>0844</u> DEDICATED BLADDER: ☒ DISPOSABLE BAILER: ☐ PRIVATE DOMESTIC WELL: ☐					
METER AND PURGING INFORMATION:					
METER		MAKE / MODEL		SERIAL NO.	
pH		EXTECH 100		472990	
CONDUCTIVITY		ECTESTR 11+		24B	
TURBIDITY		Hach 2100P		#020100024957	
SWL INDICATOR					
TOTAL DEPTH OF WELL: <u>19.00'</u>			CALCULATIONS:		
PACKER DEPTH: _____			$14.53' \times 1.7 = 2.47 = 2.5 \text{ GAL} \times 3 = 7.5 \text{ GAL}$		
STATIC WATER LEVEL: <u>4.47'</u>					
COLUMN OF WATER: <u>14.53'</u>					
COLUMN OF WATER ABOVE PACKER: _____					
COLUMN OF WATER BELOW PACKER: _____			PACKER INFORMATION:		
			COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)		
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME		TEMP	pH	CONDUCTIVITY	APPEARANCE
2.5 GAL / 0821		8.8	6.82	144.7	SLI CLOUDY
5.0 GAL / 0830		8.7	6.81	145.2	CLEAR
7.5 GAL / 0837		8.6	6.79	144.9	CLEAR
				TURBIDITY: <u>1.21</u>	NTU (meas. in field lab)

* SWL @ WCC-7 =

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-031-230315

SAMPLE TIME: 0840

QA / QC SAMPLE ID: -NA-

QA / QC SAMPLE TIME: N/A

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	250 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	HCL 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:

APPENDIX C: GROUNDWATER SAMPLING LABORATORY RESULTS

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Client: Spokane County Environmental Services
Address: 1004 N Freya Street
Spokane, WA 99202
Attn: Dave Tryon

Work Order: MCL0341
Project: X2L0163
Reported: 12/23/2022 09:53

Analytical Results Report

Sample Location: X2L0163-01 (GWMW-016-221208)
Lab/Sample Number: MCL0341-01 **Collect Date:** 12/08/22 12:45
Date Received: 12/09/22 10:04 **Collected By:** CC/MT
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,1-Dichloroethane	11.3	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	8.40	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,2-Dichloroethane	3.55	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,2-Dichloropropane	18.1	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	2.70	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
2-hexanone	ND	ug/L	12.5	12/15/22 0:44	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Acetone	568	ug/L	125	12/19/22 13:33	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Benzene	14.5	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Bromoform	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Bromomethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Chloroethane	17.5	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Chloroform	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Chloromethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
cis-1,2-dichloroethene	4.95	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2L0163-01 (GWMW-016-221208)
Lab/Sample Number: MCL0341-01 Collect Date: 12/08/22 12:45
Date Received: 12/09/22 10:04 Collected By: CC/MT
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
cis-1,3-Dichloropropene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Dichlorodifluoromethane	215	ug/L	25.0	12/19/22 13:33	BKP	EPA 8260D	
Ethylbenzene	51.8	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Isopropylbenzene	4.30	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
m+p-Xylene	36.5	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	153	ug/L	125	12/19/22 13:33	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	12.5	12/15/22 0:44	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	12.5	12/15/22 0:44	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Naphthalene	14.6	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
o-Xylene	16.1	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
p-isopropyltoluene	4.30	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Styrene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Toluene	14.9	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Vinyl Chloride	4.10	ug/L	2.50	12/15/22 0:44	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	101%		70-130	12/15/22 0:44	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	99.2%		70-130	12/15/22 0:44	BKP	EPA 8260D	
Surrogate: Toluene-d8	112%		70-130	12/15/22 0:44	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2L0163-02 (MWS-2-1-221208)
Lab/Sample Number: MCL0341-02 Collect Date: 12/08/22 00:00
Date Received: 12/09/22 10:04 Collected By: CC/MT
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.200	12/14/22 20:51	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
2-Chloroethyl vinyl ether	ND	ug/L	2.50	12/14/22 20:51	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	12/14/22 20:51	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	12/14/22 20:51	BKP	EPA 8260D	
Acrolein	ND	ug/L	2.50	12/14/22 20:51	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	2.50	12/14/22 20:51	BKP	EPA 8260D	
Benzene	ND	ug/L	0.200	12/14/22 20:51	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.200	12/14/22 20:51	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	2.50	12/14/22 20:51	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.200	12/14/22 20:51	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.200	12/14/22 20:51	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.200	12/14/22 20:51	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2L0163-02 (MWS-2-1-221208)
Lab/Sample Number: MCL0341-02 Collect Date: 12/08/22 00:00
Date Received: 12/09/22 10:04 Collected By: CC/MT
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Hexachlorobutadiene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	1.00	12/14/22 20:51	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	12/14/22 20:51	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	12/14/22 20:51	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Total Xylene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.200	12/14/22 20:51	BKP	EPA 8260D	
trans-1-4-Dichloro-2-butene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Vinyl acetate	ND	ug/L	0.500	12/14/22 20:51	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.200	12/14/22 20:51	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	102%		70-130	12/14/22 20:51	BKP	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	99.9%		70-130	12/14/22 20:51	BKP	EPA 8260D	
Surrogate: Toluene-d8	110%		70-130	12/14/22 20:51	BKP	EPA 8260D	

Authorized Signature,



Justin Doty For Todd Taruscio, Laboratory Manager

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

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The results reported related only to the samples indicated.

Anatek Labs, Inc.

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

Quality Control Data

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------

Batch: BCL0478 - VOC

Blank (BCL0478-BLK1)

Prepared & Analyzed: 12/14/2022

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

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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: BCL0478 - VOC (Continued)										
Blank (BCL0478-BLK1)					Prepared & Analyzed: 12/14/2022					
Bromochloromethane	ND		0.500	ug/L						
Bromobenzene	ND		0.500	ug/L						
Benzene	ND		0.500	ug/L						
Acrylonitrile	ND		0.500	ug/L						
1,2-Dichloroethane	ND		0.500	ug/L						
p-Chlorotoluene	ND		0.500	ug/L						
Bromomethane	ND		0.500	ug/L						
2-hexanone	ND		2.50	ug/L						
o-Chlorotoluene	ND		0.500	ug/L						
2,2-Dichloropropane	ND		0.500	ug/L						
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND		0.500	ug/L						
1,3-Dichloropropane	ND		0.500	ug/L						
m-Dichlorobenzene	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
Vinyl Chloride	ND		0.500	ug/L						
trans-1,3-Dichloropropene	ND		0.500	ug/L						
Surrogate: Toluene-d8			26.6	ug/L	25.0		106	70-130		
Surrogate: 4-Bromofluorobenzene			25.1	ug/L	25.0		100	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			19.1	ug/L	19.0		100	70-130		

LCS (BCL0478-BS1)

					Prepared & Analyzed: 12/14/2022					
cis-1,3-Dichloropropene	10.9		0.500	ug/L	10.0		109	79-123		
Methyl ethyl ketone (MEK)	9.92		2.50	ug/L	10.0		99.2	55-154		
m/p Xylenes (MCL for total)	20.2		0.500	ug/L	20.0		101	80-120		
Isopropylbenzene	10.3		0.500	ug/L	10.0		103	80-120		
Hexachlorobutadiene	10.2		0.500	ug/L	10.0		102	80-120		
Ethylbenzene	10.1		0.500	ug/L	10.0		101	80-120		
Dichlorodifluoromethane	10.5		0.500	ug/L	10.0		105	57-130		
Dibromochloromethane	9.70		0.500	ug/L	10.0		97.0	80-121		
Naphthalene	9.15		0.500	ug/L	10.0		91.5	66-133		
cis-1,2-Dichloroethylene	10.7		0.500	ug/L	10.0		107	80-120		
Chloroform	10.8		0.500	ug/L	10.0		108	80-120		
Chloroethane	10.5		0.500	ug/L	10.0		105	78-120		
Chlorobenzene (Monochlorobenzene)	9.94		0.500	ug/L	10.0		99.4	80-120		
Carbon Tetrachloride	11.0		0.500	ug/L	10.0		110	80-120		
Dibromomethane	10.9		0.500	ug/L	10.0		109	80-120		
Styrene	10.7		0.500	ug/L	10.0		107	80-120		
Trichlorofluoromethane	11.1		0.500	ug/L	10.0		111	61-140		
Trichloroethene	11.2		0.500	ug/L	10.0		112	80-120		
trans-1,3-Dichloropropene	10.1		0.500	ug/L	10.0		101	69-130		
trans-1,2 Dichloroethylene	10.9		0.500	ug/L	10.0		109	80-120		
Toluene	10.8		0.500	ug/L	10.0		108	80-120		
Methyl isobutyl ketone (MIBK)	10.3		2.50	ug/L	10.0		103	70-136		
tert-Butylbenzene	10.4		0.500	ug/L	10.0		104	80-120		
methyl-t-butyl ether (MTBE)	10.8		0.500	ug/L	10.0		108	71-130		
sec-Butylbenzene	10.6		0.500	ug/L	10.0		106	80-120		
p-isopropyltoluene	10.6		0.500	ug/L	10.0		106	80-120		
o-Xylene (MCL for total)	10.1		0.500	ug/L	10.0		101	80-120		
n-Propylbenzene	10.4		0.500	ug/L	10.0		104	80-120		
n-Butylbenzene	10.4		0.500	ug/L	10.0		104	74-122		

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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: BCL0478 - VOC (Continued)										
LCS (BCL0478-BS1)					Prepared & Analyzed: 12/14/2022					
Bromodichloromethane	10.8		0.500	ug/L	10.0		108	80-120		
Tetrachloroethylene	10.2		0.500	ug/L	10.0		102	80-120		
1,1-Dichloropropene	11.3		0.500	ug/L	10.0		113	80-120		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.54		0.500	ug/L	10.0		95.4	80-120		
EDB (screening)	10.1		0.500	ug/L	10.0		101	70-130		
DBCP (screening)	8.92		0.500	ug/L	10.0		89.2	71-128		
1,2,4-Trimethylbenzene	10.3		0.500	ug/L	10.0		103	80-120		
1,2,4-Trichlorobenzene	9.96		0.500	ug/L	10.0		99.6	80-120		
Carbon disulfide	10.9		0.500	ug/L	10.0		109	80-120		
1,2,3-Trichlorobenzene	9.67		0.500	ug/L	10.0		96.7	78-120		
1,2-Dichloropropane	10.9		0.500	ug/L	10.0		109	80-120		
1,1-Dichloroethylene	11.1		0.500	ug/L	10.0		111	70-129		
1,1-Dichloroethane	10.9		0.500	ug/L	10.0		109	80-120		
1,1,2-Trichloroethane	9.98		0.500	ug/L	10.0		99.8	80-120		
1,1,2,2-Tetrachloroethane	9.62		0.500	ug/L	10.0		96.2	77-123		
1,1,1-Trichloroethane	11.1		0.500	ug/L	10.0		111	80-120		
1,1,1,2-Tetrachloroethane	10.2		0.500	ug/L	10.0		102	80-120		
1,2,3-Trichloropropane	9.62		0.500	ug/L	10.0		96.2	80-120		
o-Chlorotoluene	10.1		0.500	ug/L	10.0		101	80-120		
Vinyl Chloride	10.9		0.500	ug/L	10.0		109	75-120		
Bromochloromethane	10.8		0.500	ug/L	10.0		108	80-120		
Bromobenzene	9.91		0.500	ug/L	10.0		99.1	80-120		
Benzene	10.9		0.500	ug/L	10.0		109	80-120		
Acrylonitrile	11.0		0.500	ug/L	10.0		110	73-131		
p-Chlorotoluene	10.1		0.500	ug/L	10.0		101	80-124		
2-hexanone	8.95		2.50	ug/L	10.0		89.5	65-140		
1,2-Dichloroethane	10.8		0.500	ug/L	10.0		108	80-120		
2,2-Dichloropropane	10.9		0.500	ug/L	10.0		109	80-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.55		0.500	ug/L	10.0		95.5	80-120		
1,3-Dichloropropane	10.0		0.500	ug/L	10.0		100	80-120		
m-Dichlorobenzene	9.73		0.500	ug/L	10.0		97.3	80-120		
1,3,5-Trimethylbenzene	10.4		0.500	ug/L	10.0		104	80-121		
Bromoform	9.85		0.500	ug/L	10.0		98.5	68-133		
Surrogate: Toluene-d8			26.3	ug/L	25.0		105	70-130		
Surrogate: 4-Bromofluorobenzene			25.4	ug/L	25.0		101	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			18.9	ug/L	19.0		99.6	70-130		

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

MCL0341



Due: 12/23/22

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 # K2645909531
OF COOLERS: 1

PAGE 1 OF 1

PARAMETERS: METHOD: BOTTLES: LAB:		VOLATILES	SEMI VOLATILES	SAMPLERS: CRAIG CAMPBELL MIKE TERRIS			
		8260C	8270D				
		3-40 ml. VOA'S	1 LITER AMBER GLASS				
		ANATEK LAB	ANATEK LAB				
PRESERVATION:	2022	HCl pH<2	UNPRESERVED	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS	
SAMPLE IDENTIFICATION	DATE	TIME					
GWMW-016-221208	12-8	1245	X		3	L2	TRIP BLANKS
MWS-2-1-221208	12-8	-	X		2	L2	

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

RELINQUISHED BY:

SIGNATURE: *Mike S. Terris* **DATE:** 12-8-22
PRINT NAME: MIKE S. TERRIS **TIME:** 1400
COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY: JVI

SIGNATURE: *JVI* **DATE:** 12/9/22
PRINT NAME: **TIME:** 10:04
COMPANY: Anatek



Subcontract Order

X2L0163

MCL0341



Due: 12/23/22

Sending Laboratory:

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

Client:

Spokane County Environmental Services
(Colbert)
Project Name:
Routine

Project State of Origin:

Washington

Receiving Laboratory:

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

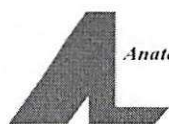
Report and Invoice to SVL Analytical, Inc.

Analysis	Due	HT Expires		
SVL ID: X2L0163-01 Client ID: GWMW-016-221208			Water	Sampled: 08-Dec-22 12:45
Sub VOC-SIM 8260C	23-Dec-22	22-Dec-22 12:45		
Containers Supplied:				
HCl VOA glass (A)				
HCl VOA glass (B)				
HCl VOA glass (C)				
SVL ID: X2L0163-02 Client ID: MWS-2-1-221208			Water	Sampled: 08-Dec-22 00:00
Sub VOC-SIM 8260C	23-Dec-22	22-Dec-22 00:00		
Containers Supplied:				
HCl VOA glass (A)				
HCl VOA glass (B)				

Relinquished by: MMD Date/Time: 12/9/22 Received by: _____ Date/Time: _____
Relinquished by: _____ Date/Time: _____ Received by: _____ Date/Time: _____



Due: 12/23/22



Anatek Labs, Inc.

Sample Receipt and Preservation Form

Client Name: SPOCO / SVLTAT: Normal RUSH: _____ daysSamples Received From: FedEx UPS USPS Client Courier Other: _____Custody Seal on Cooler/Box: Yes No Custody Seals Intact: Yes No N/ANumber of Coolers/Boxes: 1 Type of Ice: Wet Ice Ice Packs Dry Ice NonePacking Material: Bubble Wrap Bags Foam/Peanuts Paper None Other: _____Cooler Temp As Read (°C): 3.8 Cooler Temp Corrected (°C): - Thermometer Used: IK-5

Comments:

Samples Received Intact?	<u>Yes</u>	No	N/A
Chain of Custody Present/Complete?	<u>Yes</u>	No	N/A
Labels and Chains Agree?	<u>Yes</u>	No	N/A
Samples Received Within Hold Time?	<u>Yes</u>	No	N/A
Correct Containers Received?	<u>Yes</u>	No	N/A
Anatek Bottles Used?	<u>Yes</u>	No	Unknown
Total Number of Sample Bottles Received:	<u>5</u>		

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

Initial pH:	pH Paper ID:
<2 or	
<u>One of 2 TBs excessive HS</u>	

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

HCl (2204) VOC 8260 - g 44mL x 3 + 2 TBs

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

Emailed SPOCO w/ receipt conditions - JKI 12/9/22
 Emailed SVL for autolog - JKI 12/9/22

Received/Inspected By: JKI Date/Time: 12/9/22 10:04

Form F19.01 - Eff 1 Dec 2022

Page 1 of 1



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: **X2L0186**

Reported: 11-Jan-23 16:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWMW-016-221208	X2L0186-01	Water	12-Dec-22 12:45	CC/MT	13-Dec-2022	

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.



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: **X2L0186**
Reported: 11-Jan-23 16:15

Client Sample ID: **GWMW-016-221208**

SVL Sample ID: **X2L0186-01 (Water)**

Sample Report Page 1 of 1

Sampled: 12-Dec-22 12:45
Received: 13-Dec-22
Sampled By: CC/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		X252019	JRR	12/20/22 10:02	M2
Metals (Total Recoverable)										
EPA 6010D	Barium	0.684	mg/L	0.0040	0.0019		X251233	AS	12/29/22 09:31	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X251233	AS	12/29/22 09:31	
EPA 6010D	Manganese	0.554	mg/L	0.0080	0.0034		X251233	AS	12/29/22 09:31	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X251233	AS	12/29/22 09:31	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X251233	AS	12/29/22 09:31	
EPA 6020B	Arsenic	0.0604	mg/L	0.00300	0.00021		X251234	AS	01/10/23 17:56	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	0.374	mg/L	0.030	0.013		X251164	KAG	12/15/22 10:59	B10
SM 5310B	Total Organic Carbon	35.8	mg/L	1.00	0.38		X252023	JM	12/21/22 12:00	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X2L0186**

Reported: 11-Jan-23 16:15

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	X252019	20-Dec-22	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X251233	29-Dec-22	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X251233	29-Dec-22	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X251233	29-Dec-22	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X251233	29-Dec-22	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X251233	29-Dec-22	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X251234	10-Jan-23	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X251164	15-Dec-22	B10
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X252023	21-Dec-22	

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	0.00197	0.00200	98.3	80 - 120	X252019	20-Dec-22	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.01	1.00	101	80 - 120	X251233	29-Dec-22	
EPA 6010D	Lead	mg/L	0.987	1.00	98.7	80 - 120	X251233	29-Dec-22	
EPA 6010D	Manganese	mg/L	0.983	1.00	98.3	80 - 120	X251233	29-Dec-22	
EPA 6010D	Vanadium	mg/L	0.998	1.00	99.8	80 - 120	X251233	29-Dec-22	
EPA 6010D	Zinc	mg/L	0.980	1.00	98.0	80 - 120	X251233	29-Dec-22	
EPA 6020B	Arsenic	mg/L	0.0210	0.0250	84.1	80 - 120	X251234	10-Jan-23	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.02	1.00	102	90 - 110	X251164	15-Dec-22	B10
SM 5310B	Total Organic Carbon	mg/L	32.6	34.3	95.0	90 - 110	X252023	21-Dec-22	
SM 5310B	Total Organic Carbon	mg/L	33.1	34.3	96.5	90 - 110	X252023	21-Dec-22	

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	2.65	2.64	0.00200	0.30R>S	75 - 125	X252019 - X2L0156-09	20-Dec-22	D2,M4
EPA 7470A	Mercury	mg/L	0.00130	<0.000200	0.00200	65.1	75 - 125	X252019 - X2L0186-01	20-Dec-22	M2

Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.67	0.684	1.00	99.0	75 - 125	X251233 - X2L0186-01	29-Dec-22	
EPA 6010D	Lead	mg/L	0.910	<0.0150	1.00	91.0	75 - 125	X251233 - X2L0186-01	29-Dec-22	
EPA 6010D	Manganese	mg/L	1.49	0.554	1.00	93.3	75 - 125	X251233 - X2L0186-01	29-Dec-22	
EPA 6010D	Vanadium	mg/L	0.952	<0.0050	1.00	95.2	75 - 125	X251233 - X2L0186-01	29-Dec-22	
EPA 6010D	Zinc	mg/L	0.911	<0.0100	1.00	91.1	75 - 125	X251233 - X2L0186-01	29-Dec-22	
EPA 6020B	Arsenic	mg/L	0.0839	0.0604	0.0250	94.1	75 - 125	X251234 - X2L0186-01	10-Jan-23	

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X2L0186**

Reported: 11-Jan-23 16:15

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.01	<0.030	1.00	101	90 - 110	X251164 - X2L0176-01	15-Dec-22	B10
EPA 350.1	Ammonia as N	mg/L	0.986	<0.030	1.00	98.6	90 - 110	X251164 - X2L0183-01	15-Dec-22	B10
SM 5310B	Total Organic Carbon	mg/L	12.0	2.32	10.0	96.8	80 - 120	X252023 - X2L0195-01	21-Dec-22	

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	0.00127	0.00130	0.00200	2.2	20	63.6	X252019 - X2L0186-01	M2
Metals (Total Recoverable)										
EPA 6020B	Arsenic	mg/L	0.0824	0.0839	0.0250	1.9	20	87.9	X251234 - X2L0186-01	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.01	1.01	1.00	0.3	20	101	X251164 - X2L0176-01	B10
SM 5310B	Total Organic Carbon	mg/L	12.0	12.0	10.0	0.3	20	97.1	X252023 - X2L0195-01	



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Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X2L0186**

Reported: 11-Jan-23 16:15

Notes and Definitions

B10	Target analyte detected in method blank above laboratory acceptance limit but below reporting limit.
D2	Sample required dilution due to high concentration of target analyte.
M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.

Work Order: **X2L0186**
Spokane County Environmental Services (



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

DATE: 12/8/2022
PAGE 1 OF 1

[illegible]

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

RELINQUISHED BY

SIGNATURE:

PRINT NAME: MIKE S. TENNIS

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: 12/8/22

TIME: 1400

RECEIVED BY

SIGNATURE:

PRINT NAME:**COMPANY:**

DATE: 12/13/22

TIME: 0945

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: 12/13/22 By: NR

SVL Work No: XZLG186

Item	Description	V	NA	Comments
1	Client or project name	☒	☒	SPOKANE COUNTY Environmental services
2	Date and time of receipt at lab	☒	☒	12/13/22 9:45
3	Received by	☒	☒	NR
4	Temperature blank or cooler temperature	☒	☒	Temp. 2.3 °C T098/T126
5	Were the sample(s) received on ice	☒	☒	
6	Custody tape/bottle seals	☒	☒	
7	Shipper's air bill	☒	☒	WPS K2645909488
8	Condition of samples upon receipt (leaking; bubbles in VOA vials)	☒	☒	good
9	Analysis requested for each sample	☒	☒	
10	Sample matrix description	☒	☒	
11	The correct preservative for the analysis requested	☒	☒	
12	Did an SVL employee preserve sample(s) upon receipt	☒	☒	
13	Additional Information	☒	☒	

V- Verified NA- Not Applicable

Comments:

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**
Reported: 30-Mar-23 20:17**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWDW-001-230315	X3C0235-01	Ground Water	15-Mar-23 09:38	MT/GF/C C	16-Mar-2023	
GWDW-002-230315	X3C0235-02	Ground Water	15-Mar-23 10:54	MT/GF/C C	16-Mar-2023	
GWDW-003-230315	X3C0235-03	Ground Water	15-Mar-23 12:07	MT/GF/C C	16-Mar-2023	
GWMS-004-230315	X3C0235-04	Ground Water	15-Mar-23 14:34	MT/GF/C C	16-Mar-2023	
GWMW-009-230315	X3C0235-05	Ground Water	15-Mar-23 10:30	MT/GF/C C	16-Mar-2023	
GWMW-010-230315	X3C0235-06	Ground Water	15-Mar-23 09:35	MT/GF/C C	16-Mar-2023	
GWMW-013-230315	X3C0235-07	Ground Water	15-Mar-23 12:00	MT/GF/C C	16-Mar-2023	
GWMW-014-230315	X3C0235-08	Ground Water	15-Mar-23 13:45	MT/GF/C C	16-Mar-2023	
GWMW-019R-230315	X3C0235-09	Ground Water	15-Mar-23 14:15	MT/GF/C C	16-Mar-2023	
GWMW-031-230315	X3C0235-10	Ground Water	15-Mar-23 08:40	MT/GF/C C	16-Mar-2023	
MWS-1-1-230315	X3C0235-11	Ground Water	15-Mar-23 11:57	MT/GF/C C	16-Mar-2023	

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

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

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

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

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www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

Client Sample ID: **GWDW-001-230315**

Sampled: 15-Mar-23 09:38

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-01 (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		X313016	RCA	03/30/23 09:30	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0193	mg/L	0.0040	0.0019		X312157	AS	03/28/23 12:37	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 12:37	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 12:37	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 12:37	
EPA 6010D	Zinc	0.0558	mg/L	0.0100	0.0054		X312157	AS	03/28/23 12:37	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:19	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 14:55	
SM 2320 B	Total Alkalinity	147	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:29	
SM 2320 B	Bicarbonate	147	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:29	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:29	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X312005	RS	03/21/23 17:44	
Anions by Ion Chromatography										
EPA 300.0	Chloride	15.5	mg/L	2.00	0.22	10	X311184	RS	03/16/23 21:54	D2
EPA 300.0	Nitrate as N	0.245	mg/L	0.050	0.013		X311184	RS	03/16/23 21:35	
EPA 300.0	Sulfate as SO4	10.8	mg/L	0.30	0.18		X311184	RS	03/16/23 21:35	

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

Dave Tryon
Project Manager



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Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

Client Sample ID: **GWDW-002-230315**

Sampled: 15-Mar-23 10:54

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-02 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X313016	RCA	03/30/23 09:32	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0389	mg/L	0.0040	0.0019		X312157	AS	03/28/23 12:41	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 12:41	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 12:41	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 12:41	
EPA 6010D	Zinc	0.0493	mg/L	0.0100	0.0054		X312157	AS	03/28/23 12:41	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:21	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 14:56	
SM 2320 B	Total Alkalinity	169	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:36	
SM 2320 B	Bicarbonate	169	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:36	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:36	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X312005	RS	03/21/23 13:21	
Anions by Ion Chromatography										
EPA 300.0	Chloride	8.36	mg/L	0.20	0.02		X311184	RS	03/16/23 22:13	
EPA 300.0	Nitrate as N	1.09	mg/L	0.050	0.013		X311184	RS	03/16/23 22:13	
EPA 300.0	Sulfate as SO4	4.55	mg/L	0.30	0.18		X311184	RS	03/16/23 22:13	

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

Dave Tryon
Project Manager



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www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

Client Sample ID: **GWDW-003-230315**

Sampled: 15-Mar-23 12:07

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-03 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X313016	RCA	03/30/23 09:34	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0280	mg/L	0.0040	0.0019		X312157	AS	03/28/23 12:44	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 12:44	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 12:44	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 12:44	
EPA 6010D	Zinc	0.123	mg/L	0.0100	0.0054		X312157	AS	03/28/23 12:44	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:23	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 14:58	
SM 2320 B	Total Alkalinity	184	mg/L as CaCO ₃	1.0			X312100	MWD	03/22/23 14:43	
SM 2320 B	Bicarbonate	184	mg/L as CaCO ₃	1.0			X312100	MWD	03/22/23 14:43	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X312100	MWD	03/22/23 14:43	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X312005	RS	03/21/23 13:40	
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.76	mg/L	0.20	0.02		X311184	RS	03/16/23 22:50	
EPA 300.0	Nitrate as N	1.56	mg/L	0.050	0.013		X311184	RS	03/16/23 22:50	
EPA 300.0	Sulfate as SO₄	1.15	mg/L	0.30	0.18		X311184	RS	03/16/23 22:50	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

Client Sample ID: **GWMS-004-230315**

Sampled: 15-Mar-23 14:34

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-04 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X313016	RCA	03/30/23 09:36	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0847	mg/L	0.0040	0.0019		X312157	AS	03/28/23 12:47	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 12:47	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 12:47	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 12:47	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 12:47	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:25	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 15:00	
SM 2320 B	Total Alkalinity	185	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:50	
SM 2320 B	Bicarbonate	185	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:50	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:50	
SM 2540 C	Total Diss. Solids	271	mg/L	10			X311219	TJL	03/20/23 16:15	
SM 5310B	Total Organic Carbon	1.23	mg/L	1.00	0.38		X312005	RS	03/21/23 13:59	
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.59	mg/L	0.20	0.02		X311184	RS	03/16/23 23:27	
EPA 300.0	Nitrate as N	10.7	mg/L	0.500	0.130	10	X311184	RS	03/16/23 23:46	D2
EPA 300.0	Sulfate as SO4	10.4	mg/L	0.30	0.18		X311184	RS	03/16/23 23:27	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

Client Sample ID: **GWMW-009-230315**

Sampled: 15-Mar-23 10:30

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-05 (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		X313016	RCA	03/30/23 09:38	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.102	mg/L	0.0040	0.0019		X312157	AS	03/28/23 12:50	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 12:50	
EPA 6010D	Manganese	0.186	mg/L	0.0080	0.0034		X312157	AS	03/28/23 12:50	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 12:50	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 12:50	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:27	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 15:02	
SM 2320 B	Total Alkalinity	198	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:58	
SM 2320 B	Bicarbonate	198	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:58	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 14:58	
SM 2540 C	Total Diss. Solids	207	mg/L	10			X311219	TJL	03/20/23 16:15	
SM 5310B	Total Organic Carbon	1.88	mg/L	1.00	0.38		X312005	RS	03/21/23 14:56	
Anions by Ion Chromatography										
EPA 300.0	Chloride	8.44	mg/L	0.20	0.02		X311184	RS	03/17/23 00:43	
EPA 300.0	Nitrate as N	0.089	mg/L	0.050	0.013		X311184	RS	03/17/23 00:43	
EPA 300.0	Sulfate as SO4	2.93	mg/L	0.30	0.18		X311184	RS	03/17/23 00:43	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

Client Sample ID: **GMMW-010-230315**

Sampled: 15-Mar-23 09:35

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-06 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X313016	RCA	03/30/23 09:40	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0461	mg/L	0.0040	0.0019		X312157	AS	03/28/23 12:54	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 12:54	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 12:54	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 12:54	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 12:54	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:29	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 15:04	
SM 2320 B	Total Alkalinity	110	mg/L as CaCO ₃	1.0			X312100	MWD	03/22/23 15:14	
SM 2320 B	Bicarbonate	100	mg/L as CaCO ₃	1.0			X312100	MWD	03/22/23 19:53	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X312100	MWD	03/22/23 15:14	
SM 2540 C	Total Diss. Solids	115	mg/L	10			X311219	TJL	03/20/23 16:15	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X312005	RS	03/21/23 15:15	
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.45	mg/L	0.20	0.02		X311184	RS	03/17/23 01:21	
EPA 300.0	Nitrate as N	0.237	mg/L	0.050	0.013		X311184	RS	03/17/23 01:21	
EPA 300.0	Sulfate as SO₄	0.99	mg/L	0.30	0.18		X311184	RS	03/17/23 01:21	

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

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

Client Sample ID: **GWMW-013-230315**

Sampled: 15-Mar-23 12:00

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-07 (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		X313016	RCA	03/30/23 09:42	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0473	mg/L	0.0040	0.0019		X312157	AS	03/28/23 12:57	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 12:57	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 12:57	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 12:57	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 12:57	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:32	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 15:06	
SM 2320 B	Total Alkalinity	197	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:21	
SM 2320 B	Bicarbonate	197	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:21	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:21	
SM 2540 C	Total Diss. Solids	221	mg/L	10			X311219	TJL	03/20/23 16:15	
SM 5310B	Total Organic Carbon	1.03	mg/L	1.00	0.38		X312005	RS	03/21/23 15:33	
Anions by Ion Chromatography										
EPA 300.0	Chloride	8.60	mg/L	0.20	0.02		X311184	RS	03/17/23 01:58	
EPA 300.0	Nitrate as N	0.512	mg/L	0.050	0.013		X311184	RS	03/17/23 01:58	
EPA 300.0	Sulfate as SO4	3.07	mg/L	0.30	0.18		X311184	RS	03/17/23 01:58	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

Client Sample ID: **GWMW-014-230315**

Sampled: 15-Mar-23 13:45

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-08 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X313016	RCA	03/30/23 09:45	
Metals (Total Recoverable)										
EPA 6010D	Barium	< 0.0040	mg/L	0.0040	0.0019		X312157	AS	03/28/23 13:00	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 13:00	
EPA 6010D	Manganese	0.145	mg/L	0.0080	0.0034		X312157	AS	03/28/23 13:00	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 13:00	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 13:00	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:34	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 15:08	
SM 2320 B	Total Alkalinity	85.2	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:28	
SM 2320 B	Bicarbonate	85.2	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:28	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:28	
SM 2540 C	Total Diss. Solids	108	mg/L	10			X311219	TJL	03/20/23 16:15	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X312005	RS	03/21/23 15:52	
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.75	mg/L	0.20	0.02		X311184	RS	03/17/23 02:17	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X311184	RS	03/17/23 02:17	
EPA 300.0	Sulfate as SO4	9.46	mg/L	0.30	0.18		X311184	RS	03/17/23 02:17	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**
Reported: 30-Mar-23 20:17Client Sample ID: **GMMW-019R-230315**

Sampled: 15-Mar-23 14:15

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-09 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X313016	RCA	03/30/23 09:51	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0321	mg/L	0.0040	0.0019		X312157	AS	03/28/23 13:18	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 13:18	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 13:18	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 13:18	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 13:18	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:43	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 15:10	
SM 2320 B	Total Alkalinity	106	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:35	
SM 2320 B	Bicarbonate	106	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:35	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:35	
SM 2540 C	Total Diss. Solids	143	mg/L	10			X311219	TJL	03/20/23 16:15	
SM 5310B	Total Organic Carbon	1.00	mg/L	1.00	0.38		X312005	RS	03/21/23 16:11	
Anions by Ion Chromatography										
EPA 300.0	Chloride	6.05	mg/L	0.20	0.02		X311184	RS	03/17/23 02:35	
EPA 300.0	Nitrate as N	1.36	mg/L	0.050	0.013		X311184	RS	03/17/23 02:35	
EPA 300.0	Sulfate as SO4	4.69	mg/L	0.30	0.18		X311184	RS	03/17/23 02:35	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

Client Sample ID: **GWMW-031-230315**

Sampled: 15-Mar-23 08:40

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-10 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X313016	RCA	03/30/23 09:53	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0478	mg/L	0.0040	0.0019		X312157	AS	03/28/23 13:21	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 13:21	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 13:21	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 13:21	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 13:21	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:45	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 15:12	
SM 2320 B	Total Alkalinity	46.8	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:42	
SM 2320 B	Bicarbonate	46.8	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:42	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:42	
SM 2540 C	Total Diss. Solids	106	mg/L	10			X311219	TJL	03/20/23 16:15	
SM 5310B	Total Organic Carbon	3.52	mg/L	1.00	0.38		X312005	RS	03/21/23 16:29	
Anions by Ion Chromatography										
EPA 300.0	Chloride	18.5	mg/L	2.00	0.22	10	X311184	RS	03/21/23 15:41	D2
EPA 300.0	Nitrate as N	0.574	mg/L	0.050	0.013		X311184	RS	03/17/23 02:54	
EPA 300.0	Sulfate as SO4	4.14	mg/L	0.30	0.18		X311184	RS	03/17/23 02:54	

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

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

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www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

Client Sample ID: **MWS-1-1-230315**

Sampled: 15-Mar-23 11:57

Received: 16-Mar-23

Sampled By: MT/GF/CC

SVL Sample ID: **X3C0235-11 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X313016	RCA	03/30/23 09:55	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0278	mg/L	0.0040	0.0019		X312157	AS	03/28/23 13:24	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 13:24	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 13:24	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 13:24	
EPA 6010D	Zinc	0.121	mg/L	0.0100	0.0054		X312157	AS	03/28/23 13:24	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:47	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312149	KAG	03/29/23 15:22	
SM 2320 B	Total Alkalinity	183	mg/L as CaCO ₃	1.0			X312100	MWD	03/22/23 15:48	
SM 2320 B	Bicarbonate	183	mg/L as CaCO ₃	1.0			X312100	MWD	03/22/23 15:48	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X312100	MWD	03/22/23 15:48	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X312005	RS	03/21/23 16:48	
Anions by Ion Chromatography										
EPA 300.0	Chloride	0.75	mg/L	0.20	0.02		X311184	RS	03/17/23 03:13	
EPA 300.0	Nitrate as N	1.56	mg/L	0.050	0.013		X311184	RS	03/17/23 03:13	
EPA 300.0	Sulfate as SO₄	1.15	mg/L	0.30	0.18		X311184	RS	03/17/23 03:13	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**
Reported: 30-Mar-23 20:17**Quality Control - BLANK Data**

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total)								
EPA 7470A	Mercury	mg/L	<0.000200	0.000093	0.000200	X313016	30-Mar-23	
Metals (Total Recoverable)								
EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X312157	28-Mar-23	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X312157	28-Mar-23	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X312157	28-Mar-23	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X312157	28-Mar-23	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X312157	28-Mar-23	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X312156	30-Mar-23	
Classical Chemistry Parameters								
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X312149	29-Mar-23	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	<1.0		1.0	X312100	22-Mar-23	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	<1.0		1.0	X312100	22-Mar-23	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0		1.0	X312100	22-Mar-23	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X311219	20-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X312005	21-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X312005	21-Mar-23	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X311184	16-Mar-23	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X311184	16-Mar-23	
EPA 300.0	Sulfate as SO ₄	mg/L	<0.30	0.18	0.30	X311184	16-Mar-23	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)									
EPA 7470A	Mercury	mg/L	0.00210	0.00200	105	80 - 120	X313016	30-Mar-23	
Metals (Total Recoverable)									
EPA 6010D	Barium	mg/L	0.982	1.00	98.2	80 - 120	X312157	28-Mar-23	
EPA 6010D	Lead	mg/L	0.978	1.00	97.8	80 - 120	X312157	28-Mar-23	
EPA 6010D	Manganese	mg/L	0.974	1.00	97.4	80 - 120	X312157	28-Mar-23	
EPA 6010D	Vanadium	mg/L	1.00	1.00	100	80 - 120	X312157	28-Mar-23	
EPA 6010D	Zinc	mg/L	0.969	1.00	96.9	80 - 120	X312157	28-Mar-23	
EPA 6020B	Arsenic	mg/L	0.0231	0.0250	92.6	80 - 120	X312156	30-Mar-23	
Classical Chemistry Parameters									
EPA 350.1	Ammonia as N	mg/L	1.00	1.00	100	90 - 110	X312149	29-Mar-23	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	102	99.3	103	96.4 - 105	X312100	22-Mar-23	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	404	397	102	96.4 - 105	X312100	22-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	32.5	34.3	94.6	90 - 110	X312005	21-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	33.1	34.3	96.6	90 - 110	X312005	21-Mar-23	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	3.14	3.00	105	90 - 110	X311184	16-Mar-23	
EPA 300.0	Nitrate as N	mg/L	2.13	2.00	107	90 - 110	X311184	16-Mar-23	
EPA 300.0	Sulfate as SO ₄	mg/L	10.6	10.0	106	90 - 110	X311184	16-Mar-23	

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

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	101	102	1.2	20	X312100 - X3C0263-01	22-Mar-23	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	101	102	1.2	20	X312100 - X3C0263-01	22-Mar-23	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X312100 - X3C0263-01	22-Mar-23	
SM 2540 C	Total Diss. Solids	mg/L	272	271	0.4	10	X311219 - X3C0235-04	20-Mar-23	
SM 2540 C	Total Diss. Solids	mg/L	516	517	0.2	10	X311219 - X3C0258-03	20-Mar-23	

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	0.00207	<0.000200	0.00200	104	75 - 125	X313016 - X3C0263-01	30-Mar-23	
EPA 7470A	Mercury	mg/L	0.00206	<0.000200	0.00200	103	75 - 125	X313016 - X3C0235-03	30-Mar-23	

Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.07	0.0422	1.00	102	75 - 125	X312157 - X3C0263-01	28-Mar-23	
EPA 6010D	Lead	mg/L	0.991	<0.0150	1.00	99.1	75 - 125	X312157 - X3C0263-01	28-Mar-23	
EPA 6010D	Manganese	mg/L	0.987	<0.0080	1.00	98.7	75 - 125	X312157 - X3C0263-01	28-Mar-23	
EPA 6010D	Vanadium	mg/L	1.02	<0.0050	1.00	102	75 - 125	X312157 - X3C0263-01	28-Mar-23	
EPA 6010D	Zinc	mg/L	0.980	<0.0100	1.00	98.0	75 - 125	X312157 - X3C0263-01	28-Mar-23	
EPA 6020B	Arsenic	mg/L	0.0248	<0.00300	0.0250	97.4	75 - 125	X312156 - X3C0263-01	30-Mar-23	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X312149 - X3C0235-01	29-Mar-23	
EPA 350.1	Ammonia as N	mg/L	1.00	<0.030	1.00	100	90 - 110	X312149 - X3C0235-04	29-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	10.8	1.20	10.0	96.0	80 - 120	X312005 - X3C0263-01	21-Mar-23	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.58	0.45	3.00	104	90 - 110	X311184 - X3C0235-06	17-Mar-23	
EPA 300.0	Chloride	mg/L	14.4	11.5	3.00	98.2	90 - 110	X311184 - X3C0226-01	21-Mar-23	D2
EPA 300.0	Nitrate as N	mg/L	2.19	0.085	2.00	105	90 - 110	X311184 - X3C0226-01	16-Mar-23	
EPA 300.0	Nitrate as N	mg/L	2.38	0.237	2.00	107	90 - 110	X311184 - X3C0235-06	17-Mar-23	
EPA 300.0	Sulfate as SO ₄	mg/L	16.0	5.09	10.0	109	90 - 110	X311184 - X3C0226-01	16-Mar-23	
EPA 300.0	Sulfate as SO ₄	mg/L	11.8	0.99	10.0	108	90 - 110	X311184 - X3C0235-06	17-Mar-23	

Quality Control - MATRIX SPIKE DUPLICATE Data

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

EPA 7470A	Mercury	mg/L	0.00208	0.00207	0.00200	0.4	20	104	X313016 - X3C0263-01	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.07	1.07	1.00	0.1	20	102	X312157 - X3C0263-01	
EPA 6010D	Lead	mg/L	1.01	0.991	1.00	1.7	20	101	X312157 - X3C0263-01	
EPA 6010D	Manganese	mg/L	0.993	0.987	1.00	0.6	20	99.3	X312157 - X3C0263-01	
EPA 6010D	Vanadium	mg/L	1.04	1.02	1.00	1.6	20	103	X312157 - X3C0263-01	
EPA 6010D	Zinc	mg/L	1.00	0.980	1.00	2.0	20	100	X312157 - X3C0263-01	
EPA 6020B	Arsenic	mg/L	0.0244	0.0248	0.0250	1.4	20	96.0	X312156 - X3C0263-01	



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: **X3C0235**

Reported: 30-Mar-23 20:17

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

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.03	1.03	1.00	0.5	20	103	X312149 - X3C0235-01	
SM 5310B	Total Organic Carbon	mg/L	11.0	10.8	10.0	1.9	20	98.1	X312005 - X3C0263-01	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	14.4	14.4	3.00	0.2	20	97.2	X311184 - X3C0226-01	D2
EPA 300.0	Nitrate as N	mg/L	2.20	2.19	2.00	0.6	20	106	X311184 - X3C0226-01	
EPA 300.0	Sulfate as SO ₄	mg/L	16.0	16.0	10.0	0.4	20	109	X311184 - X3C0226-01	



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22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X3C0235**

Reported: 30-Mar-23 20:17

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 SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2023**

Work Order: **X3C0235**
Spokane County Environmental Services (I



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

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

SHIPPING CO: UPS
SHIPPING #: K 2747806226
NUMBER OF COOLERS: 2
DATE: 3/15/2023
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. TERRIS		
BOTTLES:			1-40 ml. VOC	1-500 ml POLY BOTTLE	1-500 ml POLY BOTTLE	1-500 ml. POLY BOTTLE	1-500 ml. POLY BOTLE	G. FISETTE		
LAB:			SVL	SVL	SVL	SVL	SVL	C CAMPBELL		
PRESERVATION:			HCL pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph< 2 (NOT FILTERED)	COOLER NUMBER	NUMBER BOTTLES	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME								
GW DW-001-230315	3/15	0938	X	X		X	X	14	4	
GW DW-002-230315	3/15	1057	X	X		X	X	14	4	
GW DW-003-230315	3/15	1207	X	X		X	X	14	4	
GW MS-004-230315	3/15	1434	X	X		X	X	14	4	
GW MW-009-230315	3/15	1030	X	X		X	X	14	4	
GW MW-010-230315	3/15	0935	X	X		X	X	14	4	
GW MW-013-230315	3/15	1200	X	X		X	X	14	4	
GW MW-014-230315	3/15	1345	X	X		X	X	14	4	
GW MW-019R-230315	3/15	1415	X	X		X	X	14	4	
GW MW-031-230315	3/15	0840	X	X		X	X	14	4	
MWS-1-1-230315	3/15	1157	X	X		X	X	14	4	

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

RELINQUISHED BY SIGNATURE: <i>Mike S. Terris</i> PRINT NAME: MIKE S. TERRIS COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE		DATE: 3/15/23 TIME: 1600		RECEIVED BY <i>MD</i> <i>Melissa DiGiovanni</i> SIGNATURE: PRINT NAME: SVL COMPANY:		DATE: 3/16/23 TIME: 850	
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ALL TOC'S 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: 3/16/23 By: MS

SVL Work No: X3C0235

Item	Description	V	NA	Comments
1	Client or project name	✓		Spokane County
2	Date and time of receipt at lab	✓		3/16/23 850
3	Received by	✓		MMD
4	Temperature blank or cooler temperature	✓		Temp. 34 °C T098/T126
5	Were the sample(s) received on ice	✓		
6	Custody tape/bottle seals	✓		
7	Shipper's air bill	✓		
8	Condition of samples upon receipt (leaking; bubbles in VOA vials)	✓		
9	Analysis requested for each sample	✓		
10	Sample matrix description	✓		
11	The correct preservative for the analysis requested	✓		
12	Did an SVL employee preserve sample(s) upon receipt		✓	
13	Additional Information		✓	

SVL ANALYTICAL
1 GOVERNMENT GULCH
KELLOGG ID 83837
3.4°C
P: NORTH S: NORTH I: 5D
KING - RDC
K2747806226
HTN4FTS IDCOE948UDC MAR 16 05:48:47 2023
US 8380 HIP 22.9.3 2P4508

SVL ANALYTICAL
1 GOVERNMENT GULCH
KELLOGG ID 83837
2.1°C
P: NORTH S: NORTH I: 5D
KING - RDC
K2672252618
HTN4FTS IDCOE948UDC MAR 16 05:48:59 2023
US 8380 HIP 22.9.3 2P4508

Anatek Labs, Inc.

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

Client: Spokane County Environmental Services
Address: 1004 N Freya Street
Spokane, WA 99202
Attn: Dave Tryon

Work Order: MDC0641
Project: X3C0260
Reported: 3/31/2023 13:28

Analytical Results Report

Sample Location: X3C0260-01 (GWDW-001-230315)
Lab/Sample Number: MDC0641-01 **Collect Date:** 03/15/23 09:38
Date Received: 03/21/23 13:35 **Collected By:** MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
1,2-Dinitrobenzene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
1,2-Diphenyl hydrazine	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
1,3-Dinitrobenzene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
1,4-Dinitrobenzene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
1-Methylnaphthalene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2,4,5-Trichlorophenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2,4,6-Trichlorophenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2,4-Dichlorophenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2,4-Dimethylphenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2,4-Dinitrophenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2,4-Dinitrotoluene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2,6-Dinitrotoluene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2-Chloronaphthalene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2-Chlorophenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2-Methylnaphthalene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2-Methylphenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2-Nitroaniline	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
2-Nitrophenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
3,3'-Dichlorobenzidine	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
3+4-Methylphenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
3-Nitroaniline	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
4-Bromophenyl-phenylether	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
4-Chloro-3-methylphenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
4-Chloroaniline	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
4-Nitroaniline	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
4-Nitrophenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Acenaphthene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Acenaphthylene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Aniline	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Anthracene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Benzidine	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-01 (GWDW-001-230315)
Lab/Sample Number: MDC0641-01 Collect Date: 03/15/23 09:38
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)							
Benzo[a]anthracene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Benzo[ghi]perylene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Benzyl alcohol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
bis(2-chloro-1-methylethyl)ether	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
bis(2-Chloroethoxy)methane	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
bis(2-Chloroethyl)ether	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Butyl benzyl phthalate	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Carbazole	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Chrysene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Dibenzofuran	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Diethyl phthalate	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Dimethyl phthalate	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Di-n-butyl phthalate	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Di-n-octyl phthalate	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Fluoranthene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Fluorene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Hexachlorobenzene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Hexachlorobutadiene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Hexachlorocyclopentadiene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Hexachloroethane	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Isophorone	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Naphthalene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Nitrobenzene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
n-Nitrosodimethylamine	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
n-Nitroso-di-n-propylamine	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
n-Nitrosodiphenylamine	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Phenanthrene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Phenol	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Pyrene	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Pyridine	ND	ug/L	0.500	3/29/23 1:52	MAH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	93.2%		48-120	3/29/23 1:52	MAH	EPA 8270E	
Surrogate: 2-Fluorobiphenyl	76.0%		57-113	3/29/23 1:52	MAH	EPA 8270E	
Surrogate: 2-Fluorophenol	71.1%		37-110	3/29/23 1:52	MAH	EPA 8270E	
Surrogate: Nitrobenzene-d5	66.0%		50-110	3/29/23 1:52	MAH	EPA 8270E	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-01 (GWDW-001-230315)
Lab/Sample Number: MDC0641-01 Collect Date: 03/15/23 09:38
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)							
Surrogate: Phenol-2,3,4,5,6-d5	75.8%		51-112	3/29/23 1:52	MAH	EPA 8270E	
Surrogate: Terphenyl-d14	90.2%		57-133	3/29/23 1:52	MAH	EPA 8270E	

Volatiles

1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/23/23 16:30	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/23/23 16:30	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-01 (GWDW-001-230315)
Lab/Sample Number: MDC0641-01 Collect Date: 03/15/23 09:38
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Dibromochloromethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/23/23 16:30	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/23/23 16:30	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/23/23 16:30	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/23/23 16:30	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	104%		70-130	3/23/23 16:30	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	103%		70-130	3/23/23 16:30	TGT	EPA 8260D	
Surrogate: Toluene-d8	101%		70-130	3/23/23 16:30	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-02 (GWDW-002-230315)
Lab/Sample Number: MDC0641-02 Collect Date: 03/15/23 10:57
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
1,2-Dinitrobenzene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
1,2-Diphenyl hydrazine	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
1,3-Dinitrobenzene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
1,4-Dinitrobenzene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
1-Methylnaphthalene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2,4,5-Trichlorophenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2,4,6-Trichlorophenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2,4-Dichlorophenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2,4-Dimethylphenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2,4-Dinitrophenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2,4-Dinitrotoluene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2,6-Dinitrotoluene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2-Chloronaphthalene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2-Chlorophenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2-Methylnaphthalene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2-Methylphenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2-Nitroaniline	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
2-Nitrophenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
3,3'-Dichlorobenzidine	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
3+4-Methylphenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
3-Nitroaniline	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
4-Bromophenyl-phenylether	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
4-Chloro-3-methylphenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
4-Chloroaniline	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
4-Nitroaniline	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
4-Nitrophenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Acenaphthene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Acenaphthylene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Aniline	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Anthracene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Benzidine	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Benzo[ghi]perylene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Benzyl alcohol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
bis(2-chloro-1-methylethyl)ether	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-02 (GWDW-002-230315)
Lab/Sample Number: MDC0641-02 Collect Date: 03/15/23 10:57
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)							
bis(2-Chloroethoxy)methane	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
bis(2-Chloroethyl)ether	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Butyl benzyl phthalate	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Carbazole	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Chrysene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Dibenzofuran	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Diethyl phthalate	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Dimethyl phthalate	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Di-n-butyl phthalate	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Di-n-octyl phthalate	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Fluoranthene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Fluorene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Hexachlorobenzene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Hexachlorobutadiene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Hexachlorocyclopentadiene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Hexachloroethane	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Isophorone	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Naphthalene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Nitrobenzene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
n-Nitrosodimethylamine	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
n-Nitroso-di-n-propylamine	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
n-Nitrosodiphenylamine	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Phenanthrene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Phenol	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Pyrene	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Pyridine	ND	ug/L	0.500	3/29/23 2:19	MAH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	88.1%		48-120	3/29/23 2:19	MAH	EPA 8270E	
Surrogate: 2-Fluorobiphenyl	76.9%		57-113	3/29/23 2:19	MAH	EPA 8270E	
Surrogate: 2-Fluorophenol	71.6%		37-110	3/29/23 2:19	MAH	EPA 8270E	
Surrogate: Nitrobenzene-d5	70.0%		50-110	3/29/23 2:19	MAH	EPA 8270E	
Surrogate: Phenol-2,3,4,5,6-d5	76.2%		51-112	3/29/23 2:19	MAH	EPA 8270E	
Surrogate: Terphenyl-d14	98.3%		57-133	3/29/23 2:19	MAH	EPA 8270E	

Volatiles

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Analytical Results Report

(Continued)

Sample Location: X3C0260-02 (GWDW-002-230315)
Lab/Sample Number: MDC0641-02 Collect Date: 03/15/23 10:57
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/23/23 17:00	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/23/23 17:00	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-02 (GWDW-002-230315)
Lab/Sample Number: MDC0641-02 Collect Date: 03/15/23 10:57
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/23/23 17:00	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/23/23 17:00	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/23/23 17:00	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/23/23 17:00	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	103%		70-130	3/23/23 17:00	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	103%		70-130	3/23/23 17:00	TGT	EPA 8260D	
Surrogate: Toluene-d8	101%		70-130	3/23/23 17:00	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-03 (GWDW-003-230315)
Lab/Sample Number: MDC0641-03 Collect Date: 03/15/23 12:07
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
1,2-Dinitrobenzene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
1,2-Diphenyl hydrazine	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
1,3-Dinitrobenzene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
1,4-Dinitrobenzene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
1-Methylnaphthalene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2,4,5-Trichlorophenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2,4,6-Trichlorophenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2,4-Dichlorophenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2,4-Dimethylphenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2,4-Dinitrophenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2,4-Dinitrotoluene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2,6-Dinitrotoluene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2-Chloronaphthalene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2-Chlorophenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2-Methylnaphthalene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2-Methylphenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2-Nitroaniline	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
2-Nitrophenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
3,3'-Dichlorobenzidine	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
3+4-Methylphenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
3-Nitroaniline	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
4-Bromophenyl-phenylether	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
4-Chloro-3-methylphenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
4-Chloroaniline	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
4-Nitroaniline	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
4-Nitrophenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Acenaphthene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Acenaphthylene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Aniline	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Anthracene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Benzidine	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Benzo[ghi]perylene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Benzyl alcohol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
bis(2-chloro-1-methylethyl)ether	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-03 (GWDW-003-230315)
Lab/Sample Number: MDC0641-03 Collect Date: 03/15/23 12:07
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)							
bis(2-Chloroethoxy)methane	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
bis(2-Chloroethyl)ether	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Butyl benzyl phthalate	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Carbazole	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Chrysene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Dibenzofuran	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Diethyl phthalate	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Dimethyl phthalate	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Di-n-butyl phthalate	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Di-n-octyl phthalate	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Fluoranthene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Fluorene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Hexachlorobenzene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Hexachlorobutadiene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Hexachlorocyclopentadiene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Hexachloroethane	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Isophorone	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Naphthalene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Nitrobenzene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
n-Nitrosodimethylamine	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
n-Nitroso-di-n-propylamine	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
n-Nitrosodiphenylamine	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Phenanthrene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Phenol	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Pyrene	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Pyridine	ND	ug/L	0.500	3/29/23 2:47	MAH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	89.8%		48-120	3/29/23 2:47	MAH	EPA 8270E	
Surrogate: 2-Fluorobiphenyl	91.0%		57-113	3/29/23 2:47	MAH	EPA 8270E	
Surrogate: 2-Fluorophenol	89.6%		37-110	3/29/23 2:47	MAH	EPA 8270E	
Surrogate: Nitrobenzene-d5	78.3%		50-110	3/29/23 2:47	MAH	EPA 8270E	
Surrogate: Phenol-2,3,4,5,6-d5	96.6%		51-112	3/29/23 2:47	MAH	EPA 8270E	
Surrogate: Terphenyl-d14	93.5%		57-133	3/29/23 2:47	MAH	EPA 8270E	

Volatiles

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Analytical Results Report

(Continued)

Sample Location: X3C0260-03 (GWDW-003-230315)
Lab/Sample Number: MDC0641-03 Collect Date: 03/15/23 12:07
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/27/23 20:51	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/27/23 20:51	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-03 (GWDW-003-230315)
Lab/Sample Number: MDC0641-03 Collect Date: 03/15/23 12:07
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/27/23 20:51	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/27/23 20:51	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/27/23 20:51	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/27/23 20:51	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	100%		70-130	3/27/23 20:51	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	99.1%		70-130	3/27/23 20:51	TGT	EPA 8260D	
Surrogate: Toluene-d8	98.2%		70-130	3/27/23 20:51	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-04 (GWMS-004-230315)
Lab/Sample Number: MDC0641-04 Collect Date: 03/15/23 14:34
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
1,2-Dinitrobenzene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
1,2-Diphenyl hydrazine	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
1,3-Dinitrobenzene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
1,4-Dinitrobenzene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
1-Methylnaphthalene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2,4,5-Trichlorophenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2,4,6-Trichlorophenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2,4-Dichlorophenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2,4-Dimethylphenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2,4-Dinitrophenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2,4-Dinitrotoluene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2,6-Dinitrotoluene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2-Chloronaphthalene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2-Chlorophenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2-Methylnaphthalene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2-Methylphenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2-Nitroaniline	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
2-Nitrophenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
3,3'-Dichlorobenzidine	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
3+4-Methylphenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
3-Nitroaniline	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
4-Bromophenyl-phenylether	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
4-Chloro-3-methylphenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
4-Chloroaniline	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
4-Nitroaniline	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
4-Nitrophenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Acenaphthene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Acenaphthylene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Aniline	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Anthracene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Benzidine	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Benzo[ghi]perylene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Benzyl alcohol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
bis(2-chloro-1-methylethyl)ether	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-04 (GWMS-004-230315)
Lab/Sample Number: MDC0641-04 Collect Date: 03/15/23 14:34
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)							
bis(2-Chloroethoxy)methane	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
bis(2-Chloroethyl)ether	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Butyl benzyl phthalate	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Carbazole	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Chrysene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Dibenzofuran	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Diethyl phthalate	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Dimethyl phthalate	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Di-n-butyl phthalate	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Di-n-octyl phthalate	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Fluoranthene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Fluorene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Hexachlorobenzene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Hexachlorobutadiene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Hexachlorocyclopentadiene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Hexachloroethane	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Isophorone	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Naphthalene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Nitrobenzene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
n-Nitrosodimethylamine	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
n-Nitroso-di-n-propylamine	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
n-Nitrosodiphenylamine	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Phenanthrene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Phenol	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Pyrene	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Pyridine	ND	ug/L	0.500	3/29/23 3:14	MAH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	95.4%		48-120	3/29/23 3:14	MAH	EPA 8270E	
Surrogate: 2-Fluorobiphenyl	82.8%		57-113	3/29/23 3:14	MAH	EPA 8270E	
Surrogate: 2-Fluorophenol	72.7%		37-110	3/29/23 3:14	MAH	EPA 8270E	
Surrogate: Nitrobenzene-d5	76.4%		50-110	3/29/23 3:14	MAH	EPA 8270E	
Surrogate: Phenol-2,3,4,5,6-d5	82.0%		51-112	3/29/23 3:14	MAH	EPA 8270E	
Surrogate: Terphenyl-d14	111%		57-133	3/29/23 3:14	MAH	EPA 8270E	

Volatiles

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Analytical Results Report

(Continued)

Sample Location: X3C0260-04 (GWMS-004-230315)
Lab/Sample Number: MDC0641-04 Collect Date: 03/15/23 14:34
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,1-Dichloroethane	1.36	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/27/23 21:20	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/27/23 21:20	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Dichlorodifluoromethane	1.17	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-04 (GWMS-004-230315)
Lab/Sample Number: MDC0641-04 Collect Date: 03/15/23 14:34
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/27/23 21:20	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/27/23 21:20	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/27/23 21:20	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/27/23 21:20	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	101%		70-130	3/27/23 21:20	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	99.4%		70-130	3/27/23 21:20	TGT	EPA 8260D	
Surrogate: Toluene-d8	98.9%		70-130	3/27/23 21:20	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-05 (GWMW-009-230315)
Lab/Sample Number: MDC0641-05 Collect Date: 03/15/23 10:30
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
1,2-Dinitrobenzene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
1,2-Diphenyl hydrazine	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
1,3-Dinitrobenzene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
1,4-Dinitrobenzene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
1-Methylnaphthalene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2,4,5-Trichlorophenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2,4,6-Trichlorophenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2,4-Dichlorophenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2,4-Dimethylphenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2,4-Dinitrophenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2,4-Dinitrotoluene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2,6-Dinitrotoluene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2-Chloronaphthalene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2-Chlorophenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2-Methylnaphthalene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2-Methylphenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2-Nitroaniline	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
2-Nitrophenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
3,3'-Dichlorobenzidine	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
3+4-Methylphenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
3-Nitroaniline	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
4-Bromophenyl-phenylether	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
4-Chloro-3-methylphenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
4-Chloroaniline	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
4-Nitroaniline	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
4-Nitrophenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Acenaphthene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Acenaphthylene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Aniline	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Anthracene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Benzidine	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Benzo[ghi]perylene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Benzyl alcohol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
bis(2-chloro-1-methylethyl)ether	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-05 (GWMW-009-230315)
Lab/Sample Number: MDC0641-05 Collect Date: 03/15/23 10:30
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)							
bis(2-Chloroethoxy)methane	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
bis(2-Chloroethyl)ether	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Butyl benzyl phthalate	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Carbazole	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Chrysene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Dibenzofuran	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Diethyl phthalate	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Dimethyl phthalate	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Di-n-butyl phthalate	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Di-n-octyl phthalate	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Fluoranthene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Fluorene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Hexachlorobenzene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Hexachlorobutadiene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Hexachlorocyclopentadiene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Hexachloroethane	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Isophorone	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Naphthalene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Nitrobenzene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
n-Nitrosodimethylamine	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
n-Nitroso-di-n-propylamine	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
n-Nitrosodiphenylamine	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Phenanthrene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Phenol	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Pyrene	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Pyridine	ND	ug/L	0.500	3/29/23 3:42	MAH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	92.6%		48-120	3/29/23 3:42	MAH	EPA 8270E	
Surrogate: 2-Fluorobiphenyl	89.8%		57-113	3/29/23 3:42	MAH	EPA 8270E	
Surrogate: 2-Fluorophenol	79.3%		37-110	3/29/23 3:42	MAH	EPA 8270E	
Surrogate: Nitrobenzene-d5	76.2%		50-110	3/29/23 3:42	MAH	EPA 8270E	
Surrogate: Phenol-2,3,4,5,6-d5	94.2%		51-112	3/29/23 3:42	MAH	EPA 8270E	
Surrogate: Terphenyl-d14	118%		57-133	3/29/23 3:42	MAH	EPA 8270E	

Volatiles

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Analytical Results Report

(Continued)

Sample Location: X3C0260-05 (GWMW-009-230315)
Lab/Sample Number: MDC0641-05 Collect Date: 03/15/23 10:30
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 8:20	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 8:20	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-05 (GMMW-009-230315)
Lab/Sample Number: MDC0641-05 Collect Date: 03/15/23 10:30
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 8:20	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 8:20	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 8:20	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 8:20	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	101%		70-130	3/24/23 8:20	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	104%		70-130	3/24/23 8:20	TGT	EPA 8260D	
Surrogate: Toluene-d8	102%		70-130	3/24/23 8:20	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-06 (GWMW-010-230315)
Lab/Sample Number: MDC0641-06 Collect Date: 03/15/23 09:35
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 8:50	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 8:50	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-06 (GMMW-010-230315)
Lab/Sample Number: MDC0641-06 Collect Date: 03/15/23 09:35
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 8:50	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 8:50	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 8:50	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 8:50	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	102%		70-130	3/24/23 8:50	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	105%		70-130	3/24/23 8:50	TGT	EPA 8260D	
Surrogate: Toluene-d8	102%		70-130	3/24/23 8:50	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-07 (GWMW-013-230315)
Lab/Sample Number: MDC0641-07 Collect Date: 03/15/23 12:00
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,1-Dichloroethane	0.930	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 9:19	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 9:19	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Dichlorodifluoromethane	2.11	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-07 (GWMW-013-230315)
Lab/Sample Number: MDC0641-07 Collect Date: 03/15/23 12:00
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 9:19	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 9:19	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 9:19	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 9:19	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	102%		70-130	3/24/23 9:19	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	106%		70-130	3/24/23 9:19	TGT	EPA 8260D	
Surrogate: Toluene-d8	103%		70-130	3/24/23 9:19	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-08 (GWMW-014-230315)
Lab/Sample Number: MDC0641-08 Collect Date: 03/15/23 13:45
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 9:48	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 9:48	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-08 (GMMW-014-230315)
Lab/Sample Number: MDC0641-08 Collect Date: 03/15/23 13:45
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 9:48	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 9:48	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 9:48	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 9:48	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	102%		70-130	3/24/23 9:48	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	106%		70-130	3/24/23 9:48	TGT	EPA 8260D	
Surrogate: Toluene-d8	103%		70-130	3/24/23 9:48	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-09 (GWMW-019R-230315)
Lab/Sample Number: MDC0641-09 Collect Date: 03/15/23 14:15
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 10:17	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 10:17	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-09 (GWMW-019R-230315)
Lab/Sample Number: MDC0641-09 Collect Date: 03/15/23 14:15
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 10:17	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 10:17	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 10:17	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 10:17	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	103%		70-130	3/24/23 10:17	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	105%		70-130	3/24/23 10:17	TGT	EPA 8260D	
Surrogate: Toluene-d8	104%		70-130	3/24/23 10:17	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-10 (GWMW-031-230315)
Lab/Sample Number: MDC0641-10 Collect Date: 03/15/23 08:40
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 10:46	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 10:46	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-10 (GWMW-031-230315)
Lab/Sample Number: MDC0641-10 Collect Date: 03/15/23 08:40
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 10:46	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 10:46	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 10:46	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 10:46	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	104%		70-130	3/24/23 10:46	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	105%		70-130	3/24/23 10:46	TGT	EPA 8260D	
Surrogate: Toluene-d8	103%		70-130	3/24/23 10:46	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-11 (MWS-1-1-230315)
Lab/Sample Number: MDC0641-11 Collect Date: 03/15/23 11:57
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
1,2-Dinitrobenzene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
1,2-Diphenyl hydrazine	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
1,3-Dinitrobenzene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
1,4-Dinitrobenzene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
1-Methylnaphthalene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2,4,5-Trichlorophenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2,4,6-Trichlorophenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2,4-Dichlorophenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2,4-Dimethylphenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2,4-Dinitrophenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2,4-Dinitrotoluene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2,6-Dinitrotoluene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2-Chloronaphthalene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2-Chlorophenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2-Methylnaphthalene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2-Methylphenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2-Nitroaniline	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
2-Nitrophenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
3,3'-Dichlorobenzidine	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
3+4-Methylphenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
3-Nitroaniline	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
4-Bromophenyl-phenylether	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
4-Chloro-3-methylphenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
4-Chloroaniline	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
4-Nitroaniline	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
4-Nitrophenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Acenaphthene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Acenaphthylene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Aniline	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Anthracene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Benzidine	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Benzo[ghi]perylene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Benzyl alcohol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
bis(2-chloro-1-methylethyl)ether	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-11 (MWS-1-1-230315)
Lab/Sample Number: MDC0641-11 Collect Date: 03/15/23 11:57
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)							
bis(2-Chloroethoxy)methane	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
bis(2-Chloroethyl)ether	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Butyl benzyl phthalate	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Carbazole	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Chrysene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Dibenzofuran	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Diethyl phthalate	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Dimethyl phthalate	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Di-n-butyl phthalate	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Di-n-octyl phthalate	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Fluoranthene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Fluorene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Hexachlorobenzene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Hexachlorobutadiene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Hexachlorocyclopentadiene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Hexachloroethane	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Isophorone	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Naphthalene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Nitrobenzene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
n-Nitrosodimethylamine	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
n-Nitroso-di-n-propylamine	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
n-Nitrosodiphenylamine	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Phenanthrene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Phenol	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Pyrene	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Pyridine	ND	ug/L	0.500	3/29/23 4:08	MAH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	91.8%		48-120	3/29/23 4:08	MAH	EPA 8270E	
Surrogate: 2-Fluorobiphenyl	85.4%		57-113	3/29/23 4:08	MAH	EPA 8270E	
Surrogate: 2-Fluorophenol	75.3%		37-110	3/29/23 4:08	MAH	EPA 8270E	
Surrogate: Nitrobenzene-d5	76.6%		50-110	3/29/23 4:08	MAH	EPA 8270E	
Surrogate: Phenol-2,3,4,5,6-d5	82.1%		51-112	3/29/23 4:08	MAH	EPA 8270E	
Surrogate: Terphenyl-d14	87.6%		57-133	3/29/23 4:08	MAH	EPA 8270E	

Volatiles

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Analytical Results Report

(Continued)

Sample Location: X3C0260-11 (MWS-1-1-230315)
Lab/Sample Number: MDC0641-11 Collect Date: 03/15/23 11:57
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 16:29	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 16:29	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-11 (MWS-1-1-230315)
Lab/Sample Number: MDC0641-11 Collect Date: 03/15/23 11:57
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 16:29	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 16:29	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 16:29	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 16:29	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	103%		70-130	3/24/23 16:29	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	106%		70-130	3/24/23 16:29	TGT	EPA 8260D	
Surrogate: Toluene-d8	105%		70-130	3/24/23 16:29	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-12 (GWMS-005-230316)
Lab/Sample Number: MDC0641-12 Collect Date: 03/16/23 09:47
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
1,2-Dinitrobenzene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
1,2-Diphenyl hydrazine	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
1,3-Dinitrobenzene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
1,4-Dinitrobenzene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
1-Methylnaphthalene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2,4,5-Trichlorophenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2,4,6-Trichlorophenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2,4-Dichlorophenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2,4-Dimethylphenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2,4-Dinitrophenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2,4-Dinitrotoluene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2,6-Dinitrotoluene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2-Chloronaphthalene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2-Chlorophenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2-Methylnaphthalene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2-Methylphenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2-Nitroaniline	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
2-Nitrophenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
3,3'-Dichlorobenzidine	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
3+4-Methylphenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
3-Nitroaniline	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
4-Bromophenyl-phenylether	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
4-Chloro-3-methylphenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
4-Chloroaniline	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
4-Nitroaniline	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
4-Nitrophenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Acenaphthene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Acenaphthylene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Aniline	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Anthracene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Benzidine	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Benzo[ghi]perylene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Benzyl alcohol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
bis(2-chloro-1-methylethyl)ether	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-12 (GWMS-005-230316)
Lab/Sample Number: MDC0641-12 Collect Date: 03/16/23 09:47
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)							
bis(2-Chloroethoxy)methane	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
bis(2-Chloroethyl)ether	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Butyl benzyl phthalate	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Carbazole	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Chrysene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Dibenzofuran	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Diethyl phthalate	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Dimethyl phthalate	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Di-n-butyl phthalate	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Di-n-octyl phthalate	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Fluoranthene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Fluorene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Hexachlorobenzene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Hexachlorobutadiene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Hexachlorocyclopentadiene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Hexachloroethane	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Isophorone	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Naphthalene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Nitrobenzene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
n-Nitrosodimethylamine	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
n-Nitroso-di-n-propylamine	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
n-Nitrosodiphenylamine	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Phenanthrene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Phenol	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Pyrene	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Pyridine	ND	ug/L	0.500	3/29/23 4:36	MAH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	97.5%		48-120	3/29/23 4:36	MAH	EPA 8270E	
Surrogate: 2-Fluorobiphenyl	88.2%		57-113	3/29/23 4:36	MAH	EPA 8270E	
Surrogate: 2-Fluorophenol	81.2%		37-110	3/29/23 4:36	MAH	EPA 8270E	
Surrogate: Nitrobenzene-d5	75.7%		50-110	3/29/23 4:36	MAH	EPA 8270E	
Surrogate: Phenol-2,3,4,5,6-d5	93.5%		51-112	3/29/23 4:36	MAH	EPA 8270E	
Surrogate: Terphenyl-d14	110%		57-133	3/29/23 4:36	MAH	EPA 8270E	

Volatiles

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Analytical Results Report

(Continued)

Sample Location: X3C0260-12 (GWMS-005-230316)
Lab/Sample Number: MDC0641-12 Collect Date: 03/16/23 09:47
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/23/23 16:01	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/23/23 16:01	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-12 (GWMS-005-230316)
Lab/Sample Number: MDC0641-12 Collect Date: 03/16/23 09:47
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/23/23 16:01	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/23/23 16:01	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/23/23 16:01	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/23/23 16:01	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	103%		70-130	3/23/23 16:01	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	104%		70-130	3/23/23 16:01	TGT	EPA 8260D	
Surrogate: Toluene-d8	100%		70-130	3/23/23 16:01	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-13 (GWMW-016-230316)
Lab/Sample Number: MDC0641-13 Collect Date: 03/16/23 13:18
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,1,2-Trichloroethane	0.600	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,1-Dichloroethane	10.0	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	9.43	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,2-Dichloroethane	2.86	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,2-Dichloropropane	16.9	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	3.17	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
1,4-Dichlorobenzene	1.73	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/27/23 23:16	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Acetone	500	ug/L	12.5	3/27/23 22:47	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Benzene	13.7	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Chlorobenzene	1.23	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Chloroethane	8.96	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
cis-1,2-dichloroethene	3.00	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Dichlorodifluoromethane	2.16	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Ethylbenzene	57.1	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Isopropylbenzene	4.53	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-13 (GMMW-016-230316)
Lab/Sample Number: MDC0641-13 Collect Date: 03/16/23 13:18
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	40.7	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	171	ug/L	12.5	3/27/23 22:47	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	25.1	ug/L	2.50	3/27/23 23:16	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/27/23 23:16	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	0.830	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Naphthalene	16.3	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
n-Propylbenzene	1.09	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
o-Xylene	17.4	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
p-isopropyltoluene	3.61	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Toluene	10.5	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
trans-1,2-Dichloroethene	1.80	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Trichloroethene	0.560	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Trichlorofluoromethane	0.730	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Vinyl Chloride	0.970	ug/L	0.500	3/27/23 23:16	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	99.4%		70-130	3/27/23 23:16	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	99.2%		70-130	3/27/23 23:16	TGT	EPA 8260D	
Surrogate: Toluene-d8	100%		70-130	3/27/23 23:16	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-14 (GWMW-020-230316)
Lab/Sample Number: MDC0641-14 Collect Date: 03/16/23 10:15
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,1-Dichloroethane	1.01	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 17:28	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 17:28	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Dichlorodifluoromethane	3.60	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-14 (GMMW-020-230316)
Lab/Sample Number: MDC0641-14 Collect Date: 03/16/23 10:15
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 17:28	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 17:28	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 17:28	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 17:28	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	101%		70-130	3/24/23 17:28	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	105%		70-130	3/24/23 17:28	TGT	EPA 8260D	
Surrogate: Toluene-d8	105%		70-130	3/24/23 17:28	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-15 (GWMW-023-230316)
Lab/Sample Number: MDC0641-15 Collect Date: 03/16/23 11:49
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,1-Dichloroethane	2.03	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 17:57	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 17:57	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Dichlorodifluoromethane	2.25	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-15 (GMMW-023-230316)
Lab/Sample Number: MDC0641-15 Collect Date: 03/16/23 11:49
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 17:57	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 17:57	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 17:57	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 17:57	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	102%		70-130	3/24/23 17:57	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	106%		70-130	3/24/23 17:57	TGT	EPA 8260D	
Surrogate: Toluene-d8	105%		70-130	3/24/23 17:57	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-16 (GWMW-029-230316)
Lab/Sample Number: MDC0641-16 Collect Date: 03/16/23 10:37
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
1,2-Dinitrobenzene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
1,2-Diphenyl hydrazine	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
1,3-Dinitrobenzene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
1,4-Dinitrobenzene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
1-Methylnaphthalene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2,3,4,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2,3,5,6-Tetrachlorophenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2,4,5-Trichlorophenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2,4,6-Trichlorophenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2,4-Dichlorophenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2,4-Dimethylphenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2,4-Dinitrophenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2,4-Dinitrotoluene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2,6-Dinitrotoluene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2-Chloronaphthalene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2-Chlorophenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2-Methylnaphthalene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2-Methylphenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2-Nitroaniline	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
2-Nitrophenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
3,3'-Dichlorobenzidine	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
3+4-Methylphenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
3-Nitroaniline	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
4,6-Dinitro-2-methylphenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
4-Bromophenyl-phenylether	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
4-Chloro-3-methylphenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
4-Chloroaniline	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
4-Chlorophenyl phenyl ether	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
4-Nitroaniline	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
4-Nitrophenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Acenaphthene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Acenaphthylene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Aniline	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Anthracene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Benzidine	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Benzo[a]anthracene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Benzo[a]pyrene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Benzo[b]fluoranthene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Benzo[ghi]perylene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Benzo[k]fluoranthene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Benzyl alcohol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
bis(2-chloro-1-methylethyl)ether	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-16 (GWMW-029-230316)
Lab/Sample Number: MDC0641-16 Collect Date: 03/16/23 10:37
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles (Continued)							
bis(2-Chloroethoxy)methane	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
bis(2-Chloroethyl)ether	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Butyl benzyl phthalate	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Carbazole	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Chrysene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Dibenz[a,h]anthracene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Dibenzofuran	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Diethyl phthalate	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Dimethyl phthalate	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Di-n-butyl phthalate	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Di-n-octyl phthalate	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Fluoranthene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Fluorene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Hexachlorobenzene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Hexachlorobutadiene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Hexachlorocyclopentadiene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Hexachloroethane	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Isophorone	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Naphthalene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Nitrobenzene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
n-Nitrosodimethylamine	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
n-Nitroso-di-n-propylamine	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
n-Nitrosodiphenylamine	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Phenanthrene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Phenol	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Pyrene	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Pyridine	ND	ug/L	0.500	3/29/23 6:52	MAH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	95.3%		48-120	3/29/23 6:52	MAH	EPA 8270E	
Surrogate: 2-Fluorobiphenyl	88.2%		57-113	3/29/23 6:52	MAH	EPA 8270E	
Surrogate: 2-Fluorophenol	81.1%		37-110	3/29/23 6:52	MAH	EPA 8270E	
Surrogate: Nitrobenzene-d5	76.7%		50-110	3/29/23 6:52	MAH	EPA 8270E	
Surrogate: Phenol-2,3,4,5,6-d5	89.3%		51-112	3/29/23 6:52	MAH	EPA 8270E	
Surrogate: Terphenyl-d14	117%		57-133	3/29/23 6:52	MAH	EPA 8270E	

Volatiles

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Analytical Results Report

(Continued)

Sample Location: X3C0260-16 (GWMW-029-230316)
Lab/Sample Number: MDC0641-16 Collect Date: 03/16/23 10:37
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 18:26	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 18:26	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Dichlorodifluoromethane	1.87	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-16 (GWMW-029-230316)
Lab/Sample Number: MDC0641-16 Collect Date: 03/16/23 10:37
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 18:26	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 18:26	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 18:26	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Tetrachloroethene	0.520	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 18:26	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	103%		70-130	3/24/23 18:26	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	106%		70-130	3/24/23 18:26	TGT	EPA 8260D	
Surrogate: Toluene-d8	105%		70-130	3/24/23 18:26	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-17 (MWS-1-2-230316)
Lab/Sample Number: MDC0641-17 Collect Date: 03/16/23 10:00
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,1-Dichloroethane	1.00	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 18:56	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 18:56	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Dichlorodifluoromethane	3.35	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-17 (MWS-1-2-230316)
Lab/Sample Number: MDC0641-17 Collect Date: 03/16/23 10:00
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 18:56	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 18:56	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 18:56	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 18:56	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	102%		70-130	3/24/23 18:56	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	105%		70-130	3/24/23 18:56	TGT	EPA 8260D	
Surrogate: Toluene-d8	105%		70-130	3/24/23 18:56	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-18 (MWS-2-1-230316)
Lab/Sample Number: MDC0641-18 Collect Date: 03/16/23 00:00
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
2-hexanone	ND	ug/L	2.50	3/24/23 16:00	TGT	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Acetone	ND	ug/L	2.50	3/24/23 16:00	TGT	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Benzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Bromoform	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Bromomethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Chloroethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Chloroform	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Chloromethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X3C0260-18 (MWS-2-1-230316)
Lab/Sample Number: MDC0641-18 Collect Date: 03/16/23 00:00
Date Received: 03/21/23 13:35 Collected By: MT/GF/CC
Matrix: Ground Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
m+p-Xylene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	3/24/23 16:00	TGT	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	3/24/23 16:00	TGT	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	3/24/23 16:00	TGT	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Naphthalene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
o-Xylene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Styrene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Toluene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	3/24/23 16:00	TGT	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	104%		70-130	3/24/23 16:00	TGT	EPA 8260D	
Surrogate: 4-Bromofluorobenzene	106%		70-130	3/24/23 16:00	TGT	EPA 8260D	
Surrogate: Toluene-d8	105%		70-130	3/24/23 16:00	TGT	EPA 8260D	

Authorized Signature,



Todd Taruscio, Laboratory Manager

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L4	The associated blank spike recovery was below method acceptance limits. This analyte was not detected in the sample.
L5	The associated blank spike recovery was above laboratory/method acceptance limits. This analyte was not detected in the sample
M13	Matrix spike recovery was high due to a potential matrix effect.
S17	Surrogate recovery for one of the six surrogates was above 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.

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The results reported related only to the samples indicated.

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Quality Control Data

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BDC0764 - SVOC Water

Blank (BDC0764-BLK1)

Prepared: 3/21/2023 Analyzed: 3/29/2023

4-Chloro-3-methylphenol	ND		0.500	ug/L
Pyrene	ND		0.500	ug/L
2-Methylphenol	ND		0.500	ug/L
2-Nitroaniline	ND		0.500	ug/L
2-Nitrophenol	ND		0.500	ug/L
3,3'-Dichlorobenzidine	ND		0.500	ug/L
3+4-Methylphenol	ND		0.500	ug/L
3-Nitroaniline	ND		0.500	ug/L
4-Bromophenyl-phenylether	ND		0.500	ug/L
4-Chloroaniline	ND		0.500	ug/L
4-Chlorophenyl-phenylether	ND		0.500	ug/L
4-Nitroaniline	ND		0.500	ug/L
4-Nitrophenol	ND		0.500	ug/L
Acenaphthene	ND		0.500	ug/L
Acenaphthylene	ND		0.500	ug/L
Aniline	ND		0.500	ug/L
4,6-Dinitro-2-methylphenol	ND		0.500	ug/L
2,4,6-Trichlorophenol	ND		0.500	ug/L
m-Dichlorobenzene	ND		0.500	ug/L
1,3-Dinitrobenzene	ND		0.500	ug/L
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND		0.500	ug/L
1,4-Dinitrobenzene	ND		0.500	ug/L
1-Methylnaphthalene	ND		0.500	ug/L
2,3,4,6-Tetrachlorophenol	ND		0.500	ug/L
2,3,5,6-Tetrachlorophenol	ND		0.500	ug/L
2-Methylnaphthalene	ND		0.500	ug/L
Benzo[a]anthracene	ND		0.500	ug/L
2,4-Dichlorophenol	ND		0.500	ug/L
2,4-Dimethylphenol	ND		0.500	ug/L
2,4-Dinitrophenol	ND		0.500	ug/L
2,4-Dinitrotoluene	ND		0.500	ug/L
2,6-Dinitrotoluene	ND		0.500	ug/L
2-Chloronaphthalene	ND		0.500	ug/L
2-Chlorophenol	ND		0.500	ug/L
2,4,5-Trichlorophenol	ND		0.500	ug/L
Fluorene	ND		0.500	ug/L
Hexachlorobenzene	ND		0.500	ug/L
Hexachlorobutadiene	ND		0.500	ug/L
Hexachlorocyclopentadiene	ND		0.500	ug/L
Hexachloroethane	ND		0.500	ug/L
Indeno(1,2,3-cd)pyrene	ND		0.500	ug/L
Isophorone	ND		0.500	ug/L
Anthracene	ND		0.500	ug/L
Nitrobenzene	ND		0.500	ug/L
Di-n-butyl phthalate	ND		0.500	ug/L
n-Nitrosodimethylamine	ND		0.500	ug/L
n-Nitroso-di-n-propylamine	ND		0.500	ug/L
n-Nitrosodiphenylamine	ND		0.500	ug/L
Pentachlorophenol	ND		0.500	ug/L
Phenanthrene	ND		0.500	ug/L

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDC0764 - SVOC Water (Continued)										
Blank (BDC0764-BLK1)			Prepared: 3/21/2023 Analyzed: 3/29/2023							
Phenol	ND		0.500	ug/L						
Naphthalene	ND		0.500	ug/L						
Di (2-ethylhexyl) phthalate	ND		0.500	ug/L						
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND		0.500	ug/L						
Benzo[a]pyrene	ND		0.500	ug/L						
Benzo[b]fluoranthene	ND		0.500	ug/L						
Benzo(g,h,i)perylene	ND		0.500	ug/L						
Benzo[k]fluoranthene	ND		0.500	ug/L						
Benzyl alcohol	ND		0.500	ug/L						
bis(2-chloro-1-methylethyl)ether	ND		0.500	ug/L						
Fluoranthene	ND		0.500	ug/L						
bis(2-Chloroethyl)ether	ND		0.500	ug/L						
Di-n-octyl phthalate	ND		0.500	ug/L						
Benzyl Butyl Phthalate	ND		0.500	ug/L						
Carbazole	ND		0.500	ug/L						
Chrysene	ND		0.500	ug/L						
Dibenz(a,h)anthracene	ND		0.500	ug/L						
Dibenzofuran	ND		0.500	ug/L						
Diethyl phthalate	ND		0.500	ug/L						
Dimethyl phthalate	ND		0.500	ug/L						
Benzdine	ND		0.500	ug/L						
bis(2-Chloroethoxy)methane	ND		0.500	ug/L						
1,2,4-Trichlorobenzene	ND		0.500	ug/L						
Pyridine	ND		0.500	ug/L						
1,2-Dinitrobenzene	ND		0.500	ug/L						
1,2-Diphenyl hydrazine	ND		0.500	ug/L						
Surrogate: Phenol-2,3,4,5,6-d5			54.2	ug/L	50.0		108	51-112		
Surrogate: Nitrobenzene-d5			15.7	ug/L	25.0		62.8	50-110		
Surrogate: Terphenyl-d14			27.3	ug/L	25.0		109	57-133		
Surrogate: 2-Fluorophenol			47.4	ug/L	50.0		94.9	37-110		
Surrogate: 2-Fluorobiphenyl			21.5	ug/L	25.0		85.9	57-113		
Surrogate: 2,4,6-Tribromophenol			43.6	ug/L	50.0		87.2	48-120		

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDC0764 - SVOC Water (Continued)										
LCS (BDC0764-BS1)					Prepared: 3/21/2023 Analyzed: 3/28/2023					
bis(2-Chloroethyl)ether	5.44		0.500	ug/L	5.00		109	70-120		
Di-n-octyl phthalate	4.77		0.500	ug/L	5.00		95.4	45-127		
Di-n-butyl phthalate	4.99		0.500	ug/L	5.00		99.8	74-124		
Dimethyl phthalate	4.48		0.500	ug/L	5.00		89.6	72-122		
Diethyl phthalate	4.55		0.500	ug/L	5.00		91.0	76-121		
Dibenzofuran	4.38		0.500	ug/L	5.00		87.6	75-120		
Dibenz(a,h)anthracene	4.52		0.500	ug/L	5.00		90.4	62-120		
Chrysene	4.76		0.500	ug/L	5.00		95.2	74-124		
Carbazole	4.47		0.500	ug/L	5.00		89.4	76-123		
Di (2-ethylhexyl) phthalate	6.09		0.500	ug/L	5.00		122	60-144		
Hexachlorobutadiene	5.06		0.500	ug/L	5.00		101	68-120		
bis(2-Chloroethoxy)methane	5.10		0.500	ug/L	5.00		102	74-120		
bis(2-chloro-1-methylethyl)ether	3.87		0.500	ug/L	5.00		77.4	69-120		
Benzo[k]fluoranthene	4.95		0.500	ug/L	5.00		99.0	71-121		
Benzo(g,h,i)perylene	4.89		0.500	ug/L	5.00		97.8	63-129		
Benzo[b]fluoranthene	4.17		0.500	ug/L	5.00		83.4	72-116		
Benzyl Butyl Phthalate	5.21		0.500	ug/L	5.00		104	62-135		
Pyrene	5.25		0.500	ug/L	5.00		105	59-130		
Phenol	5.04		0.500	ug/L	5.00		101	54-121		
Phenanthrene	4.46		0.500	ug/L	5.00		89.2	74-120		
Pentachlorophenol	4.08		0.500	ug/L	5.00		81.6	51-118		
n-Nitrosodiphenylamine	4.27		0.500	ug/L	5.00		85.4	70-121		
Fluorene	4.54		0.500	ug/L	5.00		90.8	74-120		
n-Nitrosodimethylamine	6.44	L5	0.500	ug/L	5.00		129	60-120		
Fluoranthene	4.43		0.500	ug/L	5.00		88.6	70-121		
Nitrobenzene	3.47	L4	0.500	ug/L	5.00		69.4	71-120		
Naphthalene	5.00		0.500	ug/L	5.00		100	70-120		
Isophorone	4.85		0.500	ug/L	5.00		97.0	78-120		
Indeno(1,2,3-cd)pyrene	4.75		0.500	ug/L	5.00		95.0	62-123		
Hexachloroethane	4.05		0.500	ug/L	5.00		81.0	68-120		
Acenaphthylene	4.44		0.500	ug/L	5.00		88.8	75-120		
Hexachlorobenzene	4.35		0.500	ug/L	5.00		87.0	67-118		
n-Nitroso-di-n-propylamine	4.14		0.500	ug/L	5.00		82.8	71-112		
1,4-Dinitrobenzene	4.34		0.500	ug/L	5.00		86.8	71-121		
2,4-Dinitrophenol	3.65		0.500	ug/L	5.00		73.0	21-128		
2,4-Dichlorophenol	4.78		0.500	ug/L	5.00		95.6	72-120		
2,4,6-Trichlorophenol	4.06		0.500	ug/L	5.00		81.2	72-120		
2,4,5-Trichlorophenol	4.02		0.500	ug/L	5.00		80.4	71-120		
2,3,5,6-Tetrachlorophenol	4.10		0.500	ug/L	5.00		82.0	52-115		
Benzo[a]anthracene	4.65		0.500	ug/L	5.00		93.0	80-120		
1-Methylnaphthalene	7.21	L5	0.500	ug/L	5.00		144	67-121		
2-Chloronaphthalene	4.07		0.500	ug/L	5.00		81.4	72-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	4.20		0.500	ug/L	5.00		84.0	67-120		
1,3-Dinitrobenzene	4.39		0.500	ug/L	5.00		87.8	75-123		
m-Dichlorobenzene	4.90		0.500	ug/L	5.00		98.0	67-120		
1,2-Dinitrobenzene	4.42		0.500	ug/L	5.00		88.4	76-120		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	3.95		0.500	ug/L	5.00		79.0	67-120		
1,2,4-Trichlorobenzene	5.30		0.500	ug/L	5.00		106	69-120		
4-Chloroaniline	5.28		0.500	ug/L	5.00		106	30-130		
2,3,4,6-Tetrachlorophenol	4.00		0.500	ug/L	5.00		80.0	66-120		

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDC0764 - SVOC Water (Continued)										
LCS (BDC0764-BS1)					Prepared: 3/21/2023 Analyzed: 3/28/2023					
2-Nitrophenol	4.43		0.500	ug/L	5.00		88.6	69-120		
Anthracene	4.47		0.500	ug/L	5.00		89.4	76-120		
Acenaphthene	4.29		0.500	ug/L	5.00		85.8	76-120		
4-Nitrophenol	3.80		0.500	ug/L	5.00		76.0	52-118		
4-Chlorophenyl-phenylether	4.48		0.500	ug/L	5.00		89.6	72-120		
4-Chloro-3-methylphenol	6.83	L5	0.500	ug/L	5.00		137	74-120		
4-Bromophenyl-phenylether	4.34		0.500	ug/L	5.00		86.8	71-121		
4,6-Dinitro-2-methylphenol	3.93		0.500	ug/L	5.00		78.6	26-150		
2,4-Dinitrotoluene	4.48		0.500	ug/L	5.00		89.6	74-121		
3+4-Methylphenol	3.91		0.500	ug/L	5.00		78.2	68-120		
2,6-Dinitrotoluene	4.41		0.500	ug/L	5.00		88.2	67-116		
2-Nitroaniline	4.52		0.500	ug/L	5.00		90.4	69-120		
2-Methylphenol	3.79		0.500	ug/L	5.00		75.8	66-120		
2-Methylnaphthalene	7.27	L5	0.500	ug/L	5.00		145	67-121		
2-Chlorophenol	4.44		0.500	ug/L	5.00		88.8	64-120		
Benzo[a]pyrene	4.44		0.500	ug/L	5.00		88.8	66-116		
3-Nitroaniline	4.27		0.500	ug/L	5.00		85.4	49-121		
4-Nitroaniline	3.96		0.500	ug/L	5.00		79.2	47-128		
Surrogate: Phenol-2,3,4,5,6-d5		S17	61.7	ug/L	50.0		123	51-112		
Surrogate: Nitrobenzene-d5			16.2	ug/L	25.0		64.6	50-110		
Surrogate: Terphenyl-d14			26.4	ug/L	25.0		106	57-133		
Surrogate: 2-Fluorophenol			48.9	ug/L	50.0		97.8	37-110		
Surrogate: 2-Fluorobiphenyl			19.0	ug/L	25.0		75.9	57-113		
Surrogate: 2,4,6-Tribromophenol			37.8	ug/L	50.0		75.6	48-120		

LCS Dup (BDC0764-BSD1)

					Prepared: 3/21/2023 Analyzed: 3/28/2023					
4-Bromophenyl-phenylether	4.64		0.500	ug/L	5.00		92.8	71-121	6.68	25
2-Methylnaphthalene	7.28	L5	0.500	ug/L	5.00		146	67-121	0.137	25
2-Methylphenol	3.83		0.500	ug/L	5.00		76.6	66-120	1.05	25
2-Nitroaniline	4.73		0.500	ug/L	5.00		94.6	69-120	4.54	25
2-Nitrophenol	4.62		0.500	ug/L	5.00		92.4	69-120	4.20	25
3+4-Methylphenol	4.05		0.500	ug/L	5.00		81.0	68-120	3.52	25
Benzo[a]pyrene	4.79		0.500	ug/L	5.00		95.8	66-116	7.58	25
4,6-Dinitro-2-methylphenol	4.57		0.500	ug/L	5.00		91.4	26-150	15.1	25
2-Chloronaphthalene	4.23		0.500	ug/L	5.00		84.6	72-120	3.86	25
4-Chloro-3-methylphenol	7.13	L5	0.500	ug/L	5.00		143	74-120	4.30	25
4-Chloroaniline	5.73		0.500	ug/L	5.00		115	30-130	8.17	40
4-Chlorophenyl-phenylether	4.65		0.500	ug/L	5.00		93.0	72-120	3.72	25
4-Nitroaniline	4.50		0.500	ug/L	5.00		90.0	47-128	12.8	32
4-Nitrophenol	4.26		0.500	ug/L	5.00		85.2	52-118	11.4	35
Acenaphthylene	4.59		0.500	ug/L	5.00		91.8	75-120	3.32	30
1,2,4-Trichlorobenzene	5.28		0.500	ug/L	5.00		106	69-120	0.378	25
3-Nitroaniline	4.48		0.500	ug/L	5.00		89.6	49-121	4.80	39
2,3,5,6-Tetrachlorophenol	4.46		0.500	ug/L	5.00		89.2	52-115	8.41	25
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	4.11		0.500	ug/L	5.00		82.2	67-120	3.97	25
1,2-Dinitrobenzene	4.65		0.500	ug/L	5.00		93.0	76-120	5.07	25
m-Dichlorobenzene	5.45		0.500	ug/L	5.00		109	67-120	10.6	25
1,3-Dinitrobenzene	4.66		0.500	ug/L	5.00		93.2	75-123	5.97	25
1,4-Dichlorobenzene (para-Dichlorobenzene)	4.42		0.500	ug/L	5.00		88.4	67-120	5.10	25
1,4-Dinitrobenzene	4.59		0.500	ug/L	5.00		91.8	71-121	5.60	25
2,3,4,6-Tetrachlorophenol	4.52		0.500	ug/L	5.00		90.4	66-120	12.2	25

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDC0764 - SVOC Water (Continued)										
LCS Dup (BDC0764-BSD1)					Prepared: 3/21/2023 Analyzed: 3/28/2023					
2-Chlorophenol	5.03		0.500	ug/L	5.00		101	64-120	12.5	33
2,4,5-Trichlorophenol	4.16		0.500	ug/L	5.00		83.2	71-120	3.42	25
2,4,6-Trichlorophenol	4.24		0.500	ug/L	5.00		84.8	72-120	4.34	25
2,4-Dichlorophenol	4.97		0.500	ug/L	5.00		99.4	72-120	3.90	25
2,4-Dinitrophenol	4.10		0.500	ug/L	5.00		82.0	21-128	11.6	36
2,4-Dinitrotoluene	4.78		0.500	ug/L	5.00		95.6	74-121	6.48	25
2,6-Dinitrotoluene	4.63		0.500	ug/L	5.00		92.6	67-116	4.87	35
1-Methylnaphthalene	7.17	L5	0.500	ug/L	5.00		143	67-121	0.556	25
n-Nitroso-di-n-propylamine	4.44		0.500	ug/L	5.00		88.8	71-112	6.99	25
Hexachlorobutadiene	5.28		0.500	ug/L	5.00		106	68-120	4.26	25
Hexachloroethane	4.43		0.500	ug/L	5.00		88.6	68-120	8.96	28
Indeno(1,2,3-cd)pyrene	4.91		0.500	ug/L	5.00		98.2	62-123	3.31	25
Isophorone	4.96		0.500	ug/L	5.00		99.2	78-120	2.24	25
Naphthalene	5.46		0.500	ug/L	5.00		109	70-120	8.80	25
Nitrobenzene	3.18	L4	0.500	ug/L	5.00		63.6	71-120	8.72	25
Benzo[a]anthracene	4.77		0.500	ug/L	5.00		95.4	80-120	2.55	25
n-Nitrosodimethylamine	9.12	L5	0.500	ug/L	5.00		182	60-120	34.4	35
Fluoranthene	4.66		0.500	ug/L	5.00		93.2	70-121	5.06	25
n-Nitrosodiphenylamine	4.57		0.500	ug/L	5.00		91.4	70-121	6.79	25
Pentachlorophenol	4.66		0.500	ug/L	5.00		93.2	51-118	13.3	25
Phenanthrene	4.66		0.500	ug/L	5.00		93.2	74-120	4.39	25
Phenol	4.95		0.500	ug/L	5.00		99.0	54-121	1.80	33
Pyrene	5.33		0.500	ug/L	5.00		107	59-130	1.51	35
Chrysene	4.90		0.500	ug/L	5.00		98.0	74-124	2.90	25
Benzo[b]fluoranthene	4.47		0.500	ug/L	5.00		89.4	72-116	6.94	25
Benzo(g,h,i)perylene	5.00		0.500	ug/L	5.00		100	63-129	2.22	25
Benzo[k]fluoranthene	5.06		0.500	ug/L	5.00		101	71-121	2.20	25
bis(2-chloro-1-methylethyl)ether	4.08		0.500	ug/L	5.00		81.6	69-120	5.28	28
bis(2-Chloroethoxy)methane	5.16		0.500	ug/L	5.00		103	74-120	1.17	25
bis(2-Chloroethyl)ether	5.91		0.500	ug/L	5.00		118	70-120	8.28	30
Di (2-ethylhexyl) phthalate	5.98		0.500	ug/L	5.00		120	60-144	1.82	32
Hexachlorobenzene	4.66		0.500	ug/L	5.00		93.2	67-118	6.88	25
Carbazole	4.66		0.500	ug/L	5.00		93.2	76-123	4.16	40
Fluorene	4.67		0.500	ug/L	5.00		93.4	74-120	2.82	25
Dibenz(a,h)anthracene	4.69		0.500	ug/L	5.00		93.8	62-120	3.69	30
Dibenzofuran	4.54		0.500	ug/L	5.00		90.8	75-120	3.59	25
Diethyl phthalate	4.74		0.500	ug/L	5.00		94.8	76-121	4.09	25
Dimethyl phthalate	4.61		0.500	ug/L	5.00		92.2	72-122	2.86	25
Di-n-butyl phthalate	5.10		0.500	ug/L	5.00		102	74-124	2.18	25
Di-n-octyl phthalate	5.44		0.500	ug/L	5.00		109	45-127	13.1	32
Acenaphthene	4.48		0.500	ug/L	5.00		89.6	76-120	4.33	25
Benzyl Butyl Phthalate	5.50		0.500	ug/L	5.00		110	62-135	5.42	34
Anthracene	4.67		0.500	ug/L	5.00		93.4	76-120	4.38	25
Surrogate: Phenol-2,3,4,5,6-d5		S17	66.3	ug/L	50.0		133	51-112		
Surrogate: Nitrobenzene-d5			14.2	ug/L	25.0		56.6	50-110		
Surrogate: Terphenyl-d14			26.5	ug/L	25.0		106	57-133		
Surrogate: 2-Fluorophenol			55.1	ug/L	50.0		110	37-110		
Surrogate: 2-Fluorobiphenyl			20.6	ug/L	25.0		82.4	57-113		
Surrogate: 2,4,6-Tribromophenol			41.4	ug/L	50.0		82.7	48-120		

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDC0764 - SVOC Water (Continued)										
Matrix Spike (BDC0764-MS1)			Source: MDC0641-12		Prepared: 3/21/2023 Analyzed: 3/28/2023					
bis(2-Chloroethyl)ether	5.88		0.500	ug/L	5.00	ND	118	50-130		
Di-n-butyl phthalate	5.19		0.500	ug/L	5.00	ND	104	50-130		
Dimethyl phthalate	4.91		0.500	ug/L	5.00	ND	98.2	50-130		
Diethyl phthalate	4.94		0.500	ug/L	5.00	ND	98.8	50-130		
Dibenzofuran	4.75		0.500	ug/L	5.00	ND	95.0	50-130		
Dibenz(a,h)anthracene	4.73		0.500	ug/L	5.00	ND	94.6	50-130		
Chrysene	5.19		0.500	ug/L	5.00	ND	104	50-130		
Carbazole	4.84		0.500	ug/L	5.00	ND	96.8	50-130		
Benzo[a]anthracene	4.97		0.500	ug/L	5.00	ND	99.4	50-130		
Di (2-ethylhexyl) phthalate	6.24		0.500	ug/L	5.00	ND	125	50-130		
Fluorene	4.93		0.500	ug/L	5.00	ND	98.6	50-130		
bis(2-Chloroethoxy)methane	4.94		0.500	ug/L	5.00	ND	98.8	50-130		
bis(2-chloro-1-methylethyl)ether	4.28		0.500	ug/L	5.00	ND	85.6	50-130		
Benzo[k]fluoranthene	5.29		0.500	ug/L	5.00	ND	106	50-130		
Benzo(g,h,i)perylene	5.15		0.500	ug/L	5.00	ND	103	50-130		
Benzo[b]fluoranthene	4.58		0.500	ug/L	5.00	ND	91.6	50-130		
Benzo[a]pyrene	4.29		0.500	ug/L	5.00	ND	85.8	50-130		
Benzyl Butyl Phthalate	5.33		0.500	ug/L	5.00	ND	107	50-130		
Nitrobenzene	2.87		0.500	ug/L	5.00	ND	57.4	50-130		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	4.32		0.500	ug/L	5.00	ND	86.4	50-130		
Phenanthrene	4.82		0.500	ug/L	5.00	ND	96.4	50-130		
Pentachlorophenol	4.54		0.500	ug/L	5.00	ND	90.8	50-130		
n-Nitrosodiphenylamine	4.72		0.500	ug/L	5.00	ND	94.4	50-130		
n-Nitroso-di-n-propylamine	5.05		0.500	ug/L	5.00	ND	101	50-130		
Di-n-octyl phthalate	5.04		0.500	ug/L	5.00	ND	101	50-130		
Fluoranthene	4.75		0.500	ug/L	5.00	ND	95.0	50-130		
Naphthalene	4.93		0.500	ug/L	5.00	ND	98.6	50-130		
Isophorone	4.61		0.500	ug/L	5.00	ND	92.2	50-130		
Indeno(1,2,3-cd)pyrene	4.94		0.500	ug/L	5.00	ND	98.8	50-130		
Hexachloroethane	5.19		0.500	ug/L	5.00	ND	104	50-130		
Hexachlorobutadiene	4.77		0.500	ug/L	5.00	ND	95.4	50-130		
Hexachlorobenzene	4.78		0.500	ug/L	5.00	ND	95.6	50-130		
Phenol	5.06		0.500	ug/L	5.00	ND	101	50-130		
n-Nitrosodimethylamine	8.18	M13	0.500	ug/L	5.00	ND	164	50-130		
2,3,5,6-Tetrachlorophenol	4.57		0.500	ug/L	5.00	ND	91.4	50-130		
2-Chlorophenol	5.05		0.500	ug/L	5.00	ND	101	50-130		
2-Chloronaphthalene	4.55		0.500	ug/L	5.00	ND	91.0	50-130		
2,6-Dinitrotoluene	4.83		0.500	ug/L	5.00	ND	96.6	50-130		
2,4-Dinitrotoluene	4.83		0.500	ug/L	5.00	ND	96.6	50-130		
2,4-Dinitrophenol	3.78		0.500	ug/L	5.00	ND	75.6	50-130		
2,4-Dichlorophenol	4.55		0.500	ug/L	5.00	ND	91.0	50-130		
2,4,6-Trichlorophenol	4.67		0.500	ug/L	5.00	ND	93.4	50-130		
2,4,5-Trichlorophenol	4.65		0.500	ug/L	5.00	ND	93.0	50-130		
m-Dichlorobenzene	5.69		0.500	ug/L	5.00	ND	114	50-130		
2,3,4,6-Tetrachlorophenol	4.69		0.500	ug/L	5.00	ND	93.8	50-130		
1-Methylnaphthalene	6.35		0.500	ug/L	5.00	ND	127	50-130		
1,4-Dinitrobenzene	4.76		0.500	ug/L	5.00	ND	95.2	50-130		
1,4-Dichlorobenzene (para-Dichlorobenzene)	4.36		0.500	ug/L	5.00	ND	87.2	50-130		
1,3-Dinitrobenzene	4.76		0.500	ug/L	5.00	ND	95.2	50-130		
1,2-Dinitrobenzene	4.83		0.500	ug/L	5.00	ND	96.6	50-130		

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDC0764 - SVOC Water (Continued)										
Matrix Spike (BDC0764-MS1)			Source: MDC0641-12		Prepared: 3/21/2023 Analyzed: 3/28/2023					
Anthracene	4.76		0.500	ug/L	5.00	ND	95.2	50-130		
Pyrene	5.50		0.500	ug/L	5.00	ND	110	50-130		
4-Chlorophenyl-phenylether	4.86		0.500	ug/L	5.00	ND	97.2	50-130		
1,2,4-Trichlorobenzene	5.07		0.500	ug/L	5.00	ND	101	50-130		
Acenaphthylene	4.83		0.500	ug/L	5.00	ND	96.6	50-130		
4-Nitrophenol	4.35		0.500	ug/L	5.00	ND	87.0	50-130		
Acenaphthene	4.61		0.500	ug/L	5.00	ND	92.2	50-130		
4-Chloroaniline	5.18		0.500	ug/L	5.00	ND	104	50-130		
4-Chloro-3-methylphenol	6.22		0.500	ug/L	5.00	ND	124	50-130		
4-Bromophenyl-phenylether	4.76		0.500	ug/L	5.00	ND	95.2	50-130		
4,6-Dinitro-2-methylphenol	4.39		0.500	ug/L	5.00	ND	87.8	50-130		
3-Nitroaniline	4.80		0.500	ug/L	5.00	ND	96.0	50-130		
3+4-Methylphenol	4.77		0.500	ug/L	5.00	ND	95.4	50-130		
2-Nitrophenol	4.38		0.500	ug/L	5.00	ND	87.6	50-130		
2-Nitroaniline	4.96		0.500	ug/L	5.00	ND	99.2	50-130		
2-Methylphenol	4.22		0.500	ug/L	5.00	ND	84.4	50-130		
2-Methylnaphthalene	6.47		0.500	ug/L	5.00	ND	129	50-130		
4-Nitroaniline	4.68		0.500	ug/L	5.00	ND	93.6	50-130		
Surrogate: Phenol-2,3,4,5,6-d5		S17	70.8	ug/L	50.0		142	51-112		
Surrogate: Nitrobenzene-d5			14.1	ug/L	25.0		56.3	50-110		
Surrogate: Terphenyl-d14			27.9	ug/L	25.0		112	57-133		
Surrogate: 2-Fluorophenol			53.9	ug/L	50.0		108	37-110		
Surrogate: 2-Fluorobiphenyl			22.6	ug/L	25.0		90.3	57-113		
Surrogate: 2,4,6-Tribromophenol			44.1	ug/L	50.0		88.1	48-120		

Matrix Spike Dup (BDC0764-MSD1)			Source: MDC0641-12		Prepared: 3/21/2023 Analyzed: 3/28/2023					
Carbazole	5.13		0.500	ug/L	5.00	ND	103	50-130	5.82	40
Di-n-octyl phthalate	5.08		0.500	ug/L	5.00	ND	102	50-130	0.791	40
Di-n-butyl phthalate	5.26		0.500	ug/L	5.00	ND	105	50-130	1.34	40
Diethyl phthalate	4.91		0.500	ug/L	5.00	ND	98.2	50-130	0.609	40
Dibenz(a,h)anthracene	4.70		0.500	ug/L	5.00	ND	94.0	50-130	0.636	40
Chrysene	5.10		0.500	ug/L	5.00	ND	102	50-130	1.75	40
Benzyl Butyl Phthalate	5.04		0.500	ug/L	5.00	ND	101	50-130	5.59	40
Di (2-ethylhexyl) phthalate	5.17		0.500	ug/L	5.00	ND	103	50-130	18.8	40
bis(2-Chloroethyl)ether	4.97		0.500	ug/L	5.00	ND	99.4	50-130	16.8	40
bis(2-Chloroethoxy)methane	5.09		0.500	ug/L	5.00	ND	102	50-130	2.99	40
bis(2-chloro-1-methylethyl)ether	3.92		0.500	ug/L	5.00	ND	78.4	50-130	8.78	40
Benzo[k]fluoranthene	5.27		0.500	ug/L	5.00	ND	105	50-130	0.379	40
Benzo[b]fluoranthene	4.74		0.500	ug/L	5.00	ND	94.8	50-130	3.43	40
Nitrobenzene	3.56		0.500	ug/L	5.00	ND	71.2	50-130	21.5	40
Benzo[a]pyrene	4.95		0.500	ug/L	5.00	ND	99.0	50-130	14.3	40
Benzo[a]anthracene	5.00		0.500	ug/L	5.00	ND	100	50-130	0.602	40
Benzo(g,h,i)perylene	4.92		0.500	ug/L	5.00	ND	98.4	50-130	4.57	40
n-Nitrosodimethylamine	6.74	M13	0.500	ug/L	5.00	ND	135	50-130	19.3	40
Pyrene	4.74		0.500	ug/L	5.00	ND	94.8	50-130	14.8	40
2,4-Dinitrotoluene	4.94		0.500	ug/L	5.00	ND	98.8	50-130	2.25	40
Anthracene	4.83		0.500	ug/L	5.00	ND	96.6	50-130	1.46	40
Phenol	4.71		0.500	ug/L	5.00	ND	94.2	50-130	7.16	40
Phenanthrene	4.81		0.500	ug/L	5.00	ND	96.2	50-130	0.208	40
Pentachlorophenol	4.59		0.500	ug/L	5.00	ND	91.8	50-130	1.10	40
Isophorone	5.08		0.500	ug/L	5.00	ND	102	50-130	9.70	40

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Quality Control Data (Continued)

Semivolatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDC0764 - SVOC Water (Continued)										
Matrix Spike Dup (BDC0764-MSD1)			Source: MDC0641-12		Prepared: 3/21/2023 Analyzed: 3/28/2023					
n-Nitroso-di-n-propylamine	4.40		0.500	ug/L	5.00	ND	88.0	50-130	13.8	40
Fluoranthene	5.07		0.500	ug/L	5.00	ND	101	50-130	6.52	40
Naphthalene	5.05		0.500	ug/L	5.00	ND	101	50-130	2.40	40
Indeno(1,2,3-cd)pyrene	4.99		0.500	ug/L	5.00	ND	99.8	50-130	1.01	40
Hexachloroethane	4.24		0.500	ug/L	5.00	ND	84.8	50-130	20.1	40
Hexachlorobutadiene	4.95		0.500	ug/L	5.00	ND	99.0	50-130	3.70	40
Hexachlorobenzene	4.68		0.500	ug/L	5.00	ND	93.6	50-130	2.11	40
Fluorene	4.83		0.500	ug/L	5.00	ND	96.6	50-130	2.05	40
n-Nitrosodiphenylamine	4.63		0.500	ug/L	5.00	ND	92.6	50-130	1.93	40
1,4-Dichlorobenzene (para-Dichlorobenzene)	4.22		0.500	ug/L	5.00	ND	84.4	50-130	3.26	40
2,4-Dichlorophenol	4.63		0.500	ug/L	5.00	ND	92.6	50-130	1.74	40
2,4,6-Trichlorophenol	4.06		0.500	ug/L	5.00	ND	81.2	50-130	14.0	40
2,4,5-Trichlorophenol	4.05		0.500	ug/L	5.00	ND	81.0	50-130	13.8	40
2,3,5,6-Tetrachlorophenol	4.26		0.500	ug/L	5.00	ND	85.2	50-130	7.02	40
2,3,4,6-Tetrachlorophenol	4.33		0.500	ug/L	5.00	ND	86.6	50-130	7.98	40
2-Chloronaphthalene	4.22		0.500	ug/L	5.00	ND	84.4	50-130	7.53	40
1,4-Dinitrobenzene	4.67		0.500	ug/L	5.00	ND	93.4	50-130	1.91	40
2-Chlorophenol	4.19		0.500	ug/L	5.00	ND	83.8	50-130	18.6	40
1,3-Dinitrobenzene	4.79		0.500	ug/L	5.00	ND	95.8	50-130	0.628	40
m-Dichlorobenzene	4.98		0.500	ug/L	5.00	ND	99.6	50-130	13.3	40
1,2-Dinitrobenzene	4.82		0.500	ug/L	5.00	ND	96.4	50-130	0.207	40
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	3.95		0.500	ug/L	5.00	ND	79.0	50-130	8.95	40
1,2,4-Trichlorobenzene	5.19		0.500	ug/L	5.00	ND	104	50-130	2.34	40
Dimethyl phthalate	4.78		0.500	ug/L	5.00	ND	95.6	50-130	2.68	40
1-Methylnaphthalene	7.12	M13	0.500	ug/L	5.00	ND	142	50-130	11.4	40
3+4-Methylphenol	3.88		0.500	ug/L	5.00	ND	77.6	50-130	20.6	40
Acenaphthene	4.54		0.500	ug/L	5.00	ND	90.8	50-130	1.53	40
4-Nitrophenol	4.35		0.500	ug/L	5.00	ND	87.0	50-130	0.00	40
4-Nitroaniline	4.77		0.500	ug/L	5.00	ND	95.4	50-130	1.90	40
4-Chlorophenyl-phenylether	4.76		0.500	ug/L	5.00	ND	95.2	50-130	2.08	40
4-Chloroaniline	5.56		0.500	ug/L	5.00	ND	111	50-130	7.08	40
4-Chloro-3-methylphenol	6.92	M13	0.500	ug/L	5.00	ND	138	50-130	10.7	40
4-Bromophenyl-phenylether	4.69		0.500	ug/L	5.00	ND	93.8	50-130	1.48	40
2,4-Dinitrophenol	3.42		0.500	ug/L	5.00	ND	68.4	50-130	10.0	40
3-Nitroaniline	4.80		0.500	ug/L	5.00	ND	96.0	50-130	0.00	40
2,6-Dinitrotoluene	4.73		0.500	ug/L	5.00	ND	94.6	50-130	2.09	40
2-Nitrophenol	4.32		0.500	ug/L	5.00	ND	86.4	50-130	1.38	40
2-Nitroaniline	4.92		0.500	ug/L	5.00	ND	98.4	50-130	0.810	40
2-Methylphenol	3.75		0.500	ug/L	5.00	ND	75.0	50-130	11.8	40
2-Methylnaphthalene	7.17	M13	0.500	ug/L	5.00	ND	143	50-130	10.3	40
Acenaphthylene	4.65		0.500	ug/L	5.00	ND	93.0	50-130	3.80	40
4,6-Dinitro-2-methylphenol	4.38		0.500	ug/L	5.00	ND	87.6	50-130	0.228	40
Dibenzofuran	4.65		0.500	ug/L	5.00	ND	93.0	50-130	2.13	40
Surrogate: Phenol-2,3,4,5,6-d5		S17	58.1	ug/L	50.0		116	51-112		
Surrogate: Nitrobenzene-d5			16.4	ug/L	25.0		65.8	50-110		
Surrogate: Terphenyl-d14			22.8	ug/L	25.0		91.1	57-133		
Surrogate: 2-Fluorophenol			40.4	ug/L	50.0		80.8	37-110		
Surrogate: 2-Fluorobiphenyl			19.4	ug/L	25.0		77.7	57-113		
Surrogate: 2,4,6-Tribromophenol			38.5	ug/L	50.0		77.0	48-120		

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Quality Control Data (Continued)

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BDC0825 - VOC

Blank (BDC0825-BLK1)

Prepared & Analyzed: 3/23/2023

Methyl ethyl ketone (MEK)	ND		2.50	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
Carbon Tetrachloride	ND		0.500	ug/L
Dibromochloromethane	ND		0.500	ug/L
Naphthalene	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
Chloroform	ND		0.500	ug/L
Chloroethane	ND		0.500	ug/L
Chlorobenzene (Monochlorobenzene)	ND		0.500	ug/L
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND		0.500	ug/L
tert-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
trans-1,2 Dichloroethylene	ND		0.500	ug/L
Methylene Chloride (Dichloromethane)	ND		2.50	ug/L
Tetrachloroethylene	ND		0.500	ug/L
methyl-t-butyl ether (MTBE)	ND		0.500	ug/L
Styrene	ND		0.500	ug/L
sec-Butylbenzene	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
m/p Xylenes (MCL for total)	ND		0.500	ug/L
Toluene	ND		0.500	ug/L
EDB (screening)	ND		0.500	ug/L
1,1-Dichloroethane	ND		0.500	ug/L
1,1-Dichloroethylene	ND		0.500	ug/L
1,1-Dichloropropene	ND		0.500	ug/L
1,2,3-Trichlorobenzene	ND		0.500	ug/L
1,2,3-Trichloropropane	ND		0.500	ug/L
1,2,4-Trichlorobenzene	ND		0.500	ug/L
1,1,2-Trichloroethane	ND		0.500	ug/L
DBCP (screening)	ND		0.500	ug/L
1,2-Dichloropropane	ND		0.500	ug/L
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND		0.500	ug/L
1,2-Dichloroethane	ND		0.500	ug/L
Carbon disulfide	ND		0.500	ug/L
1,3,5-Trimethylbenzene	ND		0.500	ug/L
Methyl isobutyl ketone (MIBK)	ND		2.50	ug/L
1,3-Dichloropropane	ND		0.500	ug/L
1,2,4-Trimethylbenzene	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: BDC0825 - VOC (Continued)										
Blank (BDC0825-BLK1)				Prepared & Analyzed: 3/23/2023						
Bromodichloromethane	ND		0.500	ug/L						
m-Dichlorobenzene	ND		0.500	ug/L						
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L						
Bromoform	ND		0.500	ug/L						
Bromochloromethane	ND		0.500	ug/L						
Bromobenzene	ND		0.500	ug/L						
Benzene	ND		0.500	ug/L						
Acrylonitrile	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
2-hexanone	ND		2.50	ug/L						
o-Chlorotoluene	ND		0.500	ug/L						
2,2-Dichloropropane	ND		0.500	ug/L						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L						
1,1,1-Trichloroethane	ND		0.500	ug/L						
Bromomethane	ND		0.500	ug/L						
p-Chlorotoluene	ND		0.500	ug/L						
Surrogate: Toluene-d8			20.0	ug/L	20.0		99.8	70-130		
Surrogate: 4-Bromofluorobenzene			20.6	ug/L	20.0		103	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.5	ug/L	20.0		102	70-130		

LCS (BDC0825-BS1)

				Prepared & Analyzed: 3/23/2023						
m/p Xylenes (MCL for total)	20.6		0.500	ug/L	20.0		103	80-120		
Dichlorodifluoromethane	8.08		0.500	ug/L	10.0		80.8	57-130		
Ethylbenzene	10.2		0.500	ug/L	10.0		102	80-120		
Carbon Tetrachloride	9.95		0.500	ug/L	10.0		99.5	80-120		
Isopropylbenzene	10.4		0.500	ug/L	10.0		104	80-120		
cis-1,2-Dichloroethylene	9.45		0.500	ug/L	10.0		94.5	80-120		
Methyl ethyl ketone (MEK)	9.69		2.50	ug/L	10.0		96.9	55-154		
Hexachlorobutadiene	11.1		0.500	ug/L	10.0		111	80-120		
Dibromomethane	8.64		0.500	ug/L	10.0		86.4	80-120		
cis-1,3-Dichloropropene	9.63		0.500	ug/L	10.0		96.3	79-123		
Chloroform	10.4		0.500	ug/L	10.0		104	80-120		
Chloroethane	9.66		0.500	ug/L	10.0		96.6	78-120		
Methyl isobutyl ketone (MIBK)	10.4		2.50	ug/L	10.0		104	70-136		
Chlorobenzene (Monochlorobenzene)	9.59		0.500	ug/L	10.0		95.9	80-120		
Tetrachloroethylene	9.08		0.500	ug/L	10.0		90.8	80-120		
Dibromochloromethane	9.60		0.500	ug/L	10.0		96.0	80-121		
tert-Butylbenzene	11.1		0.500	ug/L	10.0		111	80-120		
Carbon disulfide	10.0		0.500	ug/L	10.0		100	80-120		
Trichloroethene	9.26		0.500	ug/L	10.0		92.6	80-120		
Trichlorofluoromethane	10.3		0.500	ug/L	10.0		103	61-140		
trans-1,3-Dichloropropene	10.1		0.500	ug/L	10.0		101	69-130		
trans-1,2 Dichloroethylene	10.4		0.500	ug/L	10.0		104	80-120		
Styrene	10.2		0.500	ug/L	10.0		102	80-120		
Toluene	9.48		0.500	ug/L	10.0		94.8	80-120		
methyl-t-butyl ether (MTBE)	9.76		0.500	ug/L	10.0		97.6	71-130		
sec-Butylbenzene	10.8		0.500	ug/L	10.0		108	80-120		
p-isopropyltoluene	10.6		0.500	ug/L	10.0		106	80-120		
o-Xylene (MCL for total)	10.3		0.500	ug/L	10.0		103	80-120		
n-Propylbenzene	10.7		0.500	ug/L	10.0		107	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: BDC0825 - VOC (Continued)										
LCS (BDC0825-BS1)					Prepared & Analyzed: 3/23/2023					
n-Butylbenzene	11.4		0.500	ug/L	10.0		114	74-122		
Naphthalene	10.2		0.500	ug/L	10.0		102	66-133		
Bromoform	9.05		0.500	ug/L	10.0		90.5	68-133		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.93		0.500	ug/L	10.0		99.3	80-120		
EDB (screening)	9.79		0.500	ug/L	10.0		97.9	70-130		
DBCP (screening)	9.64		0.500	ug/L	10.0		96.4	71-128		
1,2,4-Trimethylbenzene	10.3		0.500	ug/L	10.0		103	80-120		
1,2,4-Trichlorobenzene	9.98		0.500	ug/L	10.0		99.8	80-120		
1,2,3-Trichlorobenzene	10.3		0.500	ug/L	10.0		103	78-120		
1,2,3-Trichloropropane	10.9		0.500	ug/L	10.0		109	80-120		
1,1-Dichloroethylene	10.4		0.500	ug/L	10.0		104	70-129		
1,1-Dichloroethane	10.3		0.500	ug/L	10.0		103	80-120		
1,1,2-Trichloroethane	9.95		0.500	ug/L	10.0		99.5	80-120		
1,1,2,2-Tetrachloroethane	10.5		0.500	ug/L	10.0		105	77-123		
1,1,1-Trichloroethane	10.4		0.500	ug/L	10.0		104	80-120		
Vinyl Chloride	9.27		0.500	ug/L	10.0		92.7	75-120		
1,1,1,2-Tetrachloroethane	9.84		0.500	ug/L	10.0		98.4	80-120		
Acrylonitrile	10.4		0.500	ug/L	10.0		104	73-131		
Bromodichloromethane	9.97		0.500	ug/L	10.0		99.7	80-120		
1,1-Dichloropropene	10.4		0.500	ug/L	10.0		104	80-120		
1,2-Dichloroethane	10.7		0.500	ug/L	10.0		107	80-120		
Bromochloromethane	9.16		0.500	ug/L	10.0		91.6	80-120		
Benzene	9.76		0.500	ug/L	10.0		97.6	80-120		
p-Chlorotoluene	10.6		0.500	ug/L	10.0		106	80-124		
m-Dichlorobenzene	10.1		0.500	ug/L	10.0		101	80-120		
1,2-Dichloropropane	10.3		0.500	ug/L	10.0		103	80-120		
Bromobenzene	9.63		0.500	ug/L	10.0		96.3	80-120		
1,3,5-Trimethylbenzene	10.4		0.500	ug/L	10.0		104	80-121		
2-hexanone	10.5		2.50	ug/L	10.0		105	65-140		
1,3-Dichloropropane	10.4		0.500	ug/L	10.0		104	80-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.98		0.500	ug/L	10.0		99.8	80-120		
2,2-Dichloropropane	10.1		0.500	ug/L	10.0		101	80-120		
o-Chlorotoluene	10.5		0.500	ug/L	10.0		105	80-120		
Surrogate: Toluene-d8			20.3	ug/L	20.0		101	70-130		
Surrogate: 4-Bromofluorobenzene			21.0	ug/L	20.0		105	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.3	ug/L	20.0		102	70-130		

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Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit
Batch: BDC0825 - VOC (Continued)									
Matrix Spike (BDC0825-MS1)		Source: MDC0641-01			Prepared & Analyzed: 3/24/2023				
2-hexanone	9.71		2.50	ug/L	10.0	ND	97.1	43-175	
1,1,1,2-Tetrachloroethane	9.52		0.500	ug/L	10.0	ND	95.2	70-130	
1,3-Dichloropropane	10.1		0.500	ug/L	10.0	ND	101	70-130	
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.03		0.500	ug/L	10.0	ND	90.3	70-130	
2,2-Dichloropropane	9.99		0.500	ug/L	10.0	ND	99.9	70-130	
o-Chlorotoluene	10.0		0.500	ug/L	10.0	ND	100	70-130	
m-Dichlorobenzene	9.29		0.500	ug/L	10.0	ND	92.9	70-130	
p-Chlorotoluene	9.94		0.500	ug/L	10.0	ND	99.4	70-130	
Acrylonitrile	11.2		0.500	ug/L	10.0	ND	112	65-137	
Benzene	10.4		0.500	ug/L	10.0	ND	104	70-130	
Bromobenzene	9.00		0.500	ug/L	10.0	ND	90.0	70-130	
Bromochloromethane	9.56		0.500	ug/L	10.0	ND	95.6	70-130	
Bromoform	8.84		0.500	ug/L	10.0	ND	88.4	59-140	
Bromodichloromethane	10.8		0.500	ug/L	10.0	ND	108	70-130	
1,2,4-Trimethylbenzene	9.55		0.500	ug/L	10.0	ND	95.5	40-140	
methyl-t-butyl ether (MTBE)	10.5		0.500	ug/L	10.0	ND	105	57-138	
1,1,2-Trichloroethane	9.78		0.500	ug/L	10.0	ND	97.8	70-130	
Carbon disulfide	11.1		0.500	ug/L	10.0	ND	111	70-130	
1,1-Dichloroethylene	11.0		0.500	ug/L	10.0	ND	110	70-130	
1,1-Dichloropropene	10.9		0.500	ug/L	10.0	ND	109	70-130	
1,2,3-Trichlorobenzene	9.14		0.500	ug/L	10.0	ND	91.4	67-134	
1,1-Dichloroethane	11.2		0.500	ug/L	10.0	ND	112	70-130	
1,2,4-Trichlorobenzene	8.96		0.500	ug/L	10.0	ND	89.6	70-130	
1,3,5-Trimethylbenzene	9.60		0.500	ug/L	10.0	ND	96.0	40-140	
DBCP (screening)	9.30		0.500	ug/L	10.0	ND	93.0	55-146	
EDB (screening)	9.45		0.500	ug/L	10.0	ND	94.5	70-130	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.34		0.500	ug/L	10.0	ND	93.4	70-130	
1,2-Dichloroethane	10.8		0.500	ug/L	10.0	ND	108	70-130	
1,2-Dichloropropane	11.1		0.500	ug/L	10.0	ND	111	70-130	
1,2,3-Trichloropropane	10.7		0.500	ug/L	10.0	ND	107	69-137	
Toluene	10.0		0.500	ug/L	10.0	ND	100	70-130	
Methyl ethyl ketone (MEK)	10.9		2.50	ug/L	10.0	ND	109	47-165	
n-Propylbenzene	9.76		0.500	ug/L	10.0	ND	97.6	70-130	
o-Xylene (MCL for total)	9.78		0.500	ug/L	10.0	ND	97.8	62-127	
p-isopropyltoluene	9.49		0.500	ug/L	10.0	ND	94.9	70-130	
sec-Butylbenzene	9.79		0.500	ug/L	10.0	ND	97.9	70-130	
Styrene	5.59		0.500	ug/L	10.0	ND	55.9	30-130	
n-Butylbenzene	9.95		0.500	ug/L	10.0	ND	99.5	67-130	
Tetrachloroethylene	8.52		0.500	ug/L	10.0	ND	85.2	70-130	
Naphthalene	9.46		0.500	ug/L	10.0	ND	94.6	56-147	
trans-1,2 Dichloroethylene	11.0		0.500	ug/L	10.0	ND	110	70-130	
trans-1,3-Dichloropropene	8.27		0.500	ug/L	10.0	ND	82.7	61-131	
Trichloroethene	9.75		0.500	ug/L	10.0	ND	97.5	70-130	
Trichlorofluoromethane	11.0		0.500	ug/L	10.0	ND	110	50-154	
Vinyl Chloride	9.84		0.500	ug/L	10.0	ND	98.4	70-130	
tert-Butylbenzene	10.2		0.500	ug/L	10.0	ND	102	70-130	
Dichlorodifluoromethane	8.87		0.500	ug/L	10.0	ND	88.7	57-136	
Carbon Tetrachloride	10.7		0.500	ug/L	10.0	ND	107	70-130	
Chlorobenzene (Monochlorobenzene)	9.22		0.500	ug/L	10.0	ND	92.2	70-130	
Chloroethane	11.2		0.500	ug/L	10.0	ND	112	68-138	

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Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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Batch: BDC0825 - VOC (Continued)

Matrix Spike (BDC0825-MS1)

Source: MDC0641-01

Prepared & Analyzed: 3/24/2023

Chloroform	11.1		0.500	ug/L	10.0	ND	111	70-130		
cis-1,2-Dichloroethylene	10.0		0.500	ug/L	10.0	ND	100	70-130		
cis-1,3-Dichloropropene	9.71		0.500	ug/L	10.0	ND	97.1	74-124		
Dibromomethane	8.99		0.500	ug/L	10.0	ND	89.9	70-130		
1,1,1-Trichloroethane	10.8		0.500	ug/L	10.0	ND	108	70-130		
Ethylbenzene	9.71		0.500	ug/L	10.0	ND	97.1	70-130		
Hexachlorobutadiene	9.60		0.500	ug/L	10.0	ND	96.0	70-130		
Isopropylbenzene	9.63		0.500	ug/L	10.0	ND	96.3	70-130		
m/p Xylenes (MCL for total)	19.3		0.500	ug/L	20.0	ND	96.6	57-130		
1,1,2,2-Tetrachloroethane	10.4		0.500	ug/L	10.0	ND	104	67-136		
Methyl isobutyl ketone (MIBK)	11.0		2.50	ug/L	10.0	ND	110	53-167		
Dibromochloromethane	9.28		0.500	ug/L	10.0	ND	92.8	70-130		
Surrogate: 4-Bromofluorobenzene			21.3	ug/L	20.0		107	70-130		
Surrogate: Toluene-d8			21.1	ug/L	20.0		106	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.2	ug/L	20.0		101	70-130		

Matrix Spike Dup (BDC0825-MSD1)

Source: MDC0641-01

Prepared & Analyzed: 3/24/2023

methyl-t-butyl ether (MTBE)	10.8		0.500	ug/L	10.0	ND	108	57-138	3.01	20
2-hexanone	9.79		2.50	ug/L	10.0	ND	97.9	43-175	0.821	20
Vinyl Chloride	9.70		0.500	ug/L	10.0	ND	97.0	70-130	1.43	20
1,3,5-Trimethylbenzene	9.64		0.500	ug/L	10.0	ND	96.4	40-140	0.416	20
m-Dichlorobenzene	9.33		0.500	ug/L	10.0	ND	93.3	70-130	0.430	20
1,3-Dichloropropane	10.2		0.500	ug/L	10.0	ND	102	70-130	1.48	20
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.14		0.500	ug/L	10.0	ND	91.4	70-130	1.21	20
1,2-Dichloroethane	11.6		0.500	ug/L	10.0	ND	116	70-130	7.07	20
o-Chlorotoluene	10.1		0.500	ug/L	10.0	ND	101	70-130	0.399	20
p-Chlorotoluene	10.0		0.500	ug/L	10.0	ND	100	70-130	1.00	20
Acrylonitrile	11.1		0.500	ug/L	10.0	ND	111	65-137	1.08	20
Benzene	10.4		0.500	ug/L	10.0	ND	104	70-130	0.0960	20
n-Butylbenzene	9.96		0.500	ug/L	10.0	ND	99.6	67-130	0.100	20
Bromochloromethane	9.65		0.500	ug/L	10.0	ND	96.5	70-130	0.937	20
2,2-Dichloropropane	10.1		0.500	ug/L	10.0	ND	101	70-130	1.29	20
1,2,3-Trichlorobenzene	9.47		0.500	ug/L	10.0	ND	94.7	67-134	3.55	20
1,1,1,2-Tetrachloroethane	9.78		0.500	ug/L	10.0	ND	97.8	70-130	2.69	20
1,1,1-Trichloroethane	10.9		0.500	ug/L	10.0	ND	109	70-130	0.276	20
1,1,2,2-Tetrachloroethane	10.6		0.500	ug/L	10.0	ND	106	67-136	1.52	20
1,1,2-Trichloroethane	9.97		0.500	ug/L	10.0	ND	99.7	70-130	1.92	20
1,1-Dichloroethane	11.2		0.500	ug/L	10.0	ND	112	70-130	0.0893	20
1,2-Dichloropropane	11.0		0.500	ug/L	10.0	ND	110	70-130	0.454	20
1,1-Dichloropropene	10.9		0.500	ug/L	10.0	ND	109	70-130	0.0920	20
Bromodichloromethane	10.9		0.500	ug/L	10.0	ND	109	70-130	0.829	20
1,2,3-Trichloropropane	10.8		0.500	ug/L	10.0	ND	108	69-137	0.372	20
1,2,4-Trichlorobenzene	9.15		0.500	ug/L	10.0	ND	91.5	70-130	2.10	20
1,2,4-Trimethylbenzene	9.61		0.500	ug/L	10.0	ND	96.1	40-140	0.626	20
DBCP (screening)	9.83		0.500	ug/L	10.0	ND	98.3	55-146	5.54	20
EDB (screening)	9.57		0.500	ug/L	10.0	ND	95.7	70-130	1.26	20
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.48		0.500	ug/L	10.0	ND	94.8	70-130	1.49	20
1,1-Dichloroethylene	10.9		0.500	ug/L	10.0	ND	109	70-130	1.10	20
Tetrachloroethylene	8.56		0.500	ug/L	10.0	ND	85.6	70-130	0.468	20
Naphthalene	9.94		0.500	ug/L	10.0	ND	99.4	56-147	4.95	20

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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: BDC0825 - VOC (Continued)										
Matrix Spike Dup (BDC0825-MSD1)			Source: MDC0641-01		Prepared & Analyzed: 3/24/2023					
Bromobenzene	9.08		0.500	ug/L	10.0	ND	90.8	70-130	0.885	20
o-Xylene (MCL for total)	9.85		0.500	ug/L	10.0	ND	98.5	62-127	0.713	20
p-isopropyltoluene	9.56		0.500	ug/L	10.0	ND	95.6	70-130	0.735	20
sec-Butylbenzene	9.93		0.500	ug/L	10.0	ND	99.3	70-130	1.42	20
Bromoform	9.11		0.500	ug/L	10.0	ND	91.1	59-140	3.01	20
tert-Butylbenzene	10.3		0.500	ug/L	10.0	ND	103	70-130	0.882	20
Methyl isobutyl ketone (MIBK)	11.1		2.50	ug/L	10.0	ND	111	53-167	0.814	20
Toluene	10.0		0.500	ug/L	10.0	ND	100	70-130	0.100	20
trans-1,2 Dichloroethylene	11.0		0.500	ug/L	10.0	ND	110	70-130	0.273	20
trans-1,3-Dichloropropene	8.69		0.500	ug/L	10.0	ND	86.9	61-131	4.95	20
Trichloroethene	9.65		0.500	ug/L	10.0	ND	96.5	70-130	1.03	20
Trichlorofluoromethane	10.9		0.500	ug/L	10.0	ND	109	50-154	0.824	20
Styrene	5.59		0.500	ug/L	10.0	ND	55.9	30-130	0.00	20
cis-1,3-Dichloropropene	9.75		0.500	ug/L	10.0	ND	97.5	74-124	0.411	20
Carbon disulfide	11.0		0.500	ug/L	10.0	ND	110	70-130	0.543	20
Carbon Tetrachloride	10.7		0.500	ug/L	10.0	ND	107	70-130	0.468	20
Chlorobenzene (Monochlorobenzene)	9.38		0.500	ug/L	10.0	ND	93.8	70-130	1.72	20
Chloroethane	11.1		0.500	ug/L	10.0	ND	111	68-138	1.35	20
n-Propylbenzene	9.84		0.500	ug/L	10.0	ND	98.4	70-130	0.816	20
cis-1,2-Dichloroethylene	10.2		0.500	ug/L	10.0	ND	102	70-130	1.78	20
Methyl ethyl ketone (MEK)	10.5		2.50	ug/L	10.0	ND	105	47-165	4.01	20
Dibromochloromethane	9.53		0.500	ug/L	10.0	ND	95.3	70-130	2.66	20
Dibromomethane	9.07		0.500	ug/L	10.0	ND	90.7	70-130	0.886	20
Dichlorodifluoromethane	8.94		0.500	ug/L	10.0	ND	89.4	57-136	0.786	20
Ethylbenzene	9.79		0.500	ug/L	10.0	ND	97.9	70-130	0.821	20
Hexachlorobutadiene	9.87		0.500	ug/L	10.0	ND	98.7	70-130	2.77	20
Isopropylbenzene	9.59		0.500	ug/L	10.0	ND	95.9	70-130	0.416	20
m/p Xylenes (MCL for total)	19.4		0.500	ug/L	20.0	ND	96.8	57-130	0.259	20
Chloroform	11.0		0.500	ug/L	10.0	ND	110	70-130	0.993	20
<i>Surrogate: 4-Bromofluorobenzene</i>			<i>21.4</i>	<i>ug/L</i>	<i>20.0</i>		<i>107</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>			<i>21.1</i>	<i>ug/L</i>	<i>20.0</i>		<i>106</i>	<i>70-130</i>		
<i>Surrogate: 1,2-Dichlorobenzene-d4</i>			<i>20.3</i>	<i>ug/L</i>	<i>20.0</i>		<i>102</i>	<i>70-130</i>		

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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: BDC0993 - VOC										
Blank (BDC0993-BLK1)					Prepared & Analyzed: 3/27/2023					
Trichlorofluoromethane	ND		0.500	ug/L						
Bromochloromethane	ND		0.500	ug/L						
Vinyl Chloride	ND		0.500	ug/L						
1,3,5-Trimethylbenzene	ND		0.500	ug/L						
m-Dichlorobenzene	ND		0.500	ug/L						
1,3-Dichloropropane	ND		0.500	ug/L						
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND		0.500	ug/L						
2,2-Dichloropropane	ND		0.500	ug/L						
2-hexanone	ND		2.50	ug/L						
p-Chlorotoluene	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
Acrylonitrile	ND		0.500	ug/L						
Benzene	ND		0.500	ug/L						
Trichloroethene	ND		0.500	ug/L						
Bromobenzene	ND		0.500	ug/L						
o-Chlorotoluene	ND		0.500	ug/L						
1,2,3-Trichloropropane	ND		0.500	ug/L						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L						
1,1,1-Trichloroethane	ND		0.500	ug/L						
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L						
1,1,2-Trichloroethane	ND		0.500	ug/L						
1,1-Dichloroethane	ND		0.500	ug/L						
1,1-Dichloroethylene	ND		0.500	ug/L						
1,2-Dichloropropane	ND		0.500	ug/L						
1,2,3-Trichlorobenzene	ND		0.500	ug/L						
1,2-Dichloroethane	ND		0.500	ug/L						
1,2,4-Trichlorobenzene	ND		0.500	ug/L						
1,2,4-Trimethylbenzene	ND		0.500	ug/L						
DBCP (screening)	ND		0.500	ug/L						
EDB (screening)	ND		0.500	ug/L						
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND		0.500	ug/L						
Bromomethane	ND		0.500	ug/L						
1,1-Dichloropropene	ND		0.500	ug/L						
sec-Butylbenzene	ND		0.500	ug/L						
Bromoform	ND		0.500	ug/L						
Methylene Chloride (Dichloromethane)	ND		2.50	ug/L						
methyl-t-butyl ether (MTBE)	ND		0.500	ug/L						
Naphthalene	ND		0.500	ug/L						
n-Butylbenzene	ND		0.500	ug/L						
n-Propylbenzene	ND		0.500	ug/L						
Methyl ethyl ketone (MEK)	ND		2.50	ug/L						
p-isopropyltoluene	ND		0.500	ug/L						
m/p Xylenes (MCL for total)	ND		0.500	ug/L						
Styrene	ND		0.500	ug/L						
tert-Butylbenzene	ND		0.500	ug/L						
Tetrachloroethylene	ND		0.500	ug/L						
Toluene	ND		0.500	ug/L						
trans-1,2 Dichloroethylene	ND		0.500	ug/L						
trans-1,3-Dichloropropene	ND		0.500	ug/L						
o-Xylene (MCL for total)	ND		0.500	ug/L						

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Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDC0993 - VOC (Continued)										
Blank (BDC0993-BLK1)					Prepared & Analyzed: 3/27/2023					
cis-1,3-Dichloropropene	ND		0.500	ug/L						
Carbon disulfide	ND		0.500	ug/L						
Carbon Tetrachloride	ND		0.500	ug/L						
Chlorobenzene (Monochlorobenzene)	ND		0.500	ug/L						
Chloroethane	ND		0.500	ug/L						
Chloroform	ND		0.500	ug/L						
Methyl isobutyl ketone (MIBK)	ND		2.50	ug/L						
cis-1,2-Dichloroethylene	ND		0.500	ug/L						
Bromodichloromethane	ND		0.500	ug/L						
Dibromochloromethane	ND		0.500	ug/L						
Dibromomethane	ND		0.500	ug/L						
Dichlorodifluoromethane	ND		0.500	ug/L						
Ethylbenzene	ND		0.500	ug/L						
Hexachlorobutadiene	ND		0.500	ug/L						
Isopropylbenzene	ND		0.500	ug/L						
Chloromethane	ND		0.500	ug/L						
Surrogate: 4-Bromofluorobenzene			20.1	ug/L	20.0		101	70-130		
Surrogate: Toluene-d8			19.6	ug/L	20.0		98.0	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.3	ug/L	20.0		102	70-130		

LCS (BDC0993-BS1)

					Prepared & Analyzed: 3/27/2023					
Trichlorofluoromethane	9.68		0.500	ug/L	10.0		96.8	61-140		
2-hexanone	10.1		2.50	ug/L	10.0		101	65-140		
Bromoform	10.4		0.500	ug/L	10.0		104	68-133		
1,3,5-Trimethylbenzene	10.1		0.500	ug/L	10.0		101	80-121		
m-Dichlorobenzene	9.91		0.500	ug/L	10.0		99.1	80-120		
1,3-Dichloropropane	9.95		0.500	ug/L	10.0		99.5	80-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.91		0.500	ug/L	10.0		99.1	80-120		
1,2-Dichloroethane	9.89		0.500	ug/L	10.0		98.9	80-120		
o-Chlorotoluene	10.0		0.500	ug/L	10.0		100	80-120		
p-Chlorotoluene	10.2		0.500	ug/L	10.0		102	80-124		
Acrylonitrile	9.32		0.500	ug/L	10.0		93.2	73-131		
Benzene	9.93		0.500	ug/L	10.0		99.3	80-120		
Bromobenzene	10.3		0.500	ug/L	10.0		103	80-120		
Bromochloromethane	10.1		0.500	ug/L	10.0		101	80-120		
2,2-Dichloropropane	9.78		0.500	ug/L	10.0		97.8	80-120		
1,2,3-Trichlorobenzene	9.88		0.500	ug/L	10.0		98.8	78-120		
1,1,1,2-Tetrachloroethane	10.4		0.500	ug/L	10.0		104	80-120		
1,1,1-Trichloroethane	10.0		0.500	ug/L	10.0		100	80-120		
1,1,2,2-Tetrachloroethane	10.2		0.500	ug/L	10.0		102	77-123		
1,1,2-Trichloroethane	9.93		0.500	ug/L	10.0		99.3	80-120		
1,1-Dichloroethane	9.91		0.500	ug/L	10.0		99.1	80-120		
1,2-Dichloropropane	9.97		0.500	ug/L	10.0		99.7	80-120		
1,1-Dichloropropene	10.2		0.500	ug/L	10.0		102	80-120		
Carbon disulfide	10.2		0.500	ug/L	10.0		102	80-120		
1,2,3-Trichloropropane	10.4		0.500	ug/L	10.0		104	80-120		
1,2,4-Trichlorobenzene	9.88		0.500	ug/L	10.0		98.8	80-120		
1,2,4-Trimethylbenzene	10.2		0.500	ug/L	10.0		102	80-120		
DBCP (screening)	9.98		0.500	ug/L	10.0		99.8	71-128		
EDB (screening)	10.2		0.500	ug/L	10.0		102	70-130		

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

Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDC0993 - VOC (Continued)										
LCS (BDC0993-BS1)					Prepared & Analyzed: 3/27/2023					
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.97		0.500	ug/L	10.0		99.7	80-120		
1,1-Dichloroethylene	9.94		0.500	ug/L	10.0		99.4	70-129		
tert-Butylbenzene	10.2		0.500	ug/L	10.0		102	80-120		
Bromodichloromethane	10.1		0.500	ug/L	10.0		101	80-120		
n-Butylbenzene	10.2		0.500	ug/L	10.0		102	74-122		
n-Propylbenzene	10.2		0.500	ug/L	10.0		102	80-120		
o-Xylene (MCL for total)	10.1		0.500	ug/L	10.0		101	80-120		
p-isopropyltoluene	10.3		0.500	ug/L	10.0		103	80-120		
methyl-t-butyl ether (MTBE)	9.64		0.500	ug/L	10.0		96.4	71-130		
Styrene	10.4		0.500	ug/L	10.0		104	80-120		
Methyl isobutyl ketone (MIBK)	9.66		2.50	ug/L	10.0		96.6	70-136		
Tetrachloroethylene	9.98		0.500	ug/L	10.0		99.8	80-120		
Toluene	10.0		0.500	ug/L	10.0		100	80-120		
trans-1,2 Dichloroethylene	10.1		0.500	ug/L	10.0		101	80-120		
trans-1,3-Dichloropropene	10.4		0.500	ug/L	10.0		104	69-130		
Trichloroethene	10.1		0.500	ug/L	10.0		101	80-120		
sec-Butylbenzene	10.4		0.500	ug/L	10.0		104	80-120		
Dibromochloromethane	10.3		0.500	ug/L	10.0		103	80-121		
Carbon Tetrachloride	10.3		0.500	ug/L	10.0		103	80-120		
Chlorobenzene (Monochlorobenzene)	9.90		0.500	ug/L	10.0		99.0	80-120		
Chloroethane	9.98		0.500	ug/L	10.0		99.8	78-120		
Chloroform	9.98		0.500	ug/L	10.0		99.8	80-120		
Naphthalene	10.0		0.500	ug/L	10.0		100	66-133		
cis-1,3-Dichloropropene	10.1		0.500	ug/L	10.0		101	79-123		
Vinyl Chloride	9.90		0.500	ug/L	10.0		99.0	75-120		
Dibromomethane	10.2		0.500	ug/L	10.0		102	80-120		
Dichlorodifluoromethane	9.81		0.500	ug/L	10.0		98.1	57-130		
Ethylbenzene	10.1		0.500	ug/L	10.0		101	80-120		
Hexachlorobutadiene	10.0		0.500	ug/L	10.0		100	80-120		
Isopropylbenzene	10.1		0.500	ug/L	10.0		101	80-120		
m/p Xylenes (MCL for total)	20.2		0.500	ug/L	20.0		101	80-120		
Methyl ethyl ketone (MEK)	9.56		2.50	ug/L	10.0		95.6	55-154		
cis-1,2-Dichloroethylene	10.2		0.500	ug/L	10.0		102	80-120		
Surrogate: 4-Bromofluorobenzene			19.9	ug/L	20.0		99.7	70-130		
Surrogate: Toluene-d8			20.1	ug/L	20.0		101	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.0	ug/L	20.0		100	70-130		

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Quality Control Data (Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BDC0993 - VOC (Continued)										
LCS Dup (BDC0993-BSD1)					Prepared: 3/27/2023 Analyzed: 3/28/2023					
Vinyl Chloride	10.5		0.500	ug/L	10.0		105	75-120	6.26	20
Bromodichloromethane	10.4		0.500	ug/L	10.0		104	80-120	3.42	20
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.57		0.500	ug/L	10.0		95.7	80-120	4.09	20
Bromobenzene	9.83		0.500	ug/L	10.0		98.3	80-120	4.48	20
Benzene	10.3		0.500	ug/L	10.0		103	80-120	3.95	20
Acrylonitrile	9.28		0.500	ug/L	10.0		92.8	73-131	0.430	20
p-Chlorotoluene	9.90		0.500	ug/L	10.0		99.0	80-124	2.89	20
2-hexanone	9.23		2.50	ug/L	10.0		92.3	65-140	8.80	20
o-Chlorotoluene	9.78		0.500	ug/L	10.0		97.8	80-120	2.42	20
2,2-Dichloropropane	10.1		0.500	ug/L	10.0		101	80-120	3.61	20
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.63		0.500	ug/L	10.0		96.3	80-120	2.87	20
1,3-Dichloropropane	9.74		0.500	ug/L	10.0		97.4	80-120	2.13	20
m-Dichlorobenzene	9.73		0.500	ug/L	10.0		97.3	80-120	1.83	20
1,3,5-Trimethylbenzene	9.79		0.500	ug/L	10.0		97.9	80-121	3.41	20
1,2-Dichloropropane	10.2		0.500	ug/L	10.0		102	80-120	2.57	20
Carbon disulfide	10.8		0.500	ug/L	10.0		108	80-120	5.32	20
1,2,3-Trichlorobenzene	9.07		0.500	ug/L	10.0		90.7	78-120	8.55	20
1,1,1,2-Tetrachloroethane	9.85		0.500	ug/L	10.0		98.5	80-120	5.34	20
1,1,1-Trichloroethane	10.6		0.500	ug/L	10.0		106	80-120	4.95	20
1,1,2,2-Tetrachloroethane	9.58		0.500	ug/L	10.0		95.8	77-123	6.37	20
1,1,2-Trichloroethane	9.67		0.500	ug/L	10.0		96.7	80-120	2.65	20
1,1-Dichloroethane	10.6		0.500	ug/L	10.0		106	80-120	6.35	20
1,2-Dichloroethane	10.3		0.500	ug/L	10.0		103	80-120	3.67	20
1,1-Dichloropropene	10.7		0.500	ug/L	10.0		107	80-120	4.81	20
1,2,3-Trichloropropane	9.70		0.500	ug/L	10.0		97.0	80-120	7.06	20
1,2,4-Trichlorobenzene	9.25		0.500	ug/L	10.0		92.5	80-120	6.59	20
1,2,4-Trimethylbenzene	9.63		0.500	ug/L	10.0		96.3	80-120	5.75	20
DBCP (screening)	9.49		0.500	ug/L	10.0		94.9	71-128	5.03	20
EDB (screening)	9.93		0.500	ug/L	10.0		99.3	70-130	2.58	20
Carbon Tetrachloride	10.8		0.500	ug/L	10.0		108	80-120	4.56	20
1,1-Dichloroethylene	10.8		0.500	ug/L	10.0		108	70-129	8.02	20
tert-Butylbenzene	10.1		0.500	ug/L	10.0		101	80-120	1.08	20
Bromochloromethane	10.3		0.500	ug/L	10.0		103	80-120	1.67	20
n-Butylbenzene	10.2		0.500	ug/L	10.0		102	74-122	0.687	20
n-Propylbenzene	10.2		0.500	ug/L	10.0		102	80-120	0.393	20
o-Xylene (MCL for total)	10.0		0.500	ug/L	10.0		100	80-120	0.695	20
p-isopropyltoluene	9.86		0.500	ug/L	10.0		98.6	80-120	4.27	20
methyl-t-butyl ether (MTBE)	9.69		0.500	ug/L	10.0		96.9	71-130	0.517	20
Styrene	10.1		0.500	ug/L	10.0		101	80-120	2.44	20
Methyl isobutyl ketone (MIBK)	9.51		2.50	ug/L	10.0		95.1	70-136	1.56	20
Tetrachloroethylene	9.90		0.500	ug/L	10.0		99.0	80-120	0.805	20
Toluene	10.2		0.500	ug/L	10.0		102	80-120	2.08	20
trans-1,2 Dichloroethylene	10.7		0.500	ug/L	10.0		107	80-120	5.78	20
trans-1,3-Dichloropropene	9.88		0.500	ug/L	10.0		98.8	69-130	5.32	20
Trichloroethene	10.3		0.500	ug/L	10.0		103	80-120	1.86	20
sec-Butylbenzene	10.3		0.500	ug/L	10.0		103	80-120	0.773	20
Dibromomethane	10.1		0.500	ug/L	10.0		101	80-120	0.786	20
Trichlorofluoromethane	10.6		0.500	ug/L	10.0		106	61-140	9.07	20
Chlorobenzene (Monochlorobenzene)	9.82		0.500	ug/L	10.0		98.2	80-120	0.811	20
Chloroethane	10.7		0.500	ug/L	10.0		107	78-120	6.78	20

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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: BDC0993 - VOC (Continued)										
LCS Dup (BDC0993-BSD1)				Prepared: 3/27/2023 Analyzed: 3/28/2023						
Chloroform	10.5		0.500	ug/L	10.0		105	80-120	4.79	20
cis-1,2-Dichloroethylene	10.8		0.500	ug/L	10.0		108	80-120	5.82	20
Naphthalene	9.11		0.500	ug/L	10.0		91.1	66-133	9.41	20
Dibromochloromethane	9.97		0.500	ug/L	10.0		99.7	80-121	3.45	20
Bromoform	9.60		0.500	ug/L	10.0		96.0	68-133	7.62	20
Dichlorodifluoromethane	10.6		0.500	ug/L	10.0		106	57-130	7.93	20
Ethylbenzene	10.1		0.500	ug/L	10.0		101	80-120	0.0993	20
Hexachlorobutadiene	9.33		0.500	ug/L	10.0		93.3	80-120	6.93	20
Isopropylbenzene	10.1		0.500	ug/L	10.0		101	80-120	0.0989	20
m/p Xylenes (MCL for total)	20.1		0.500	ug/L	20.0		101	80-120	0.595	20
Methyl ethyl ketone (MEK)	9.20		2.50	ug/L	10.0		92.0	55-154	3.84	20
cis-1,3-Dichloropropene	9.99		0.500	ug/L	10.0		99.9	79-123	1.39	20
Surrogate: 4-Bromofluorobenzene			20.1	ug/L	20.0		100	70-130		
Surrogate: Toluene-d8			20.2	ug/L	20.0		101	70-130		
Surrogate: 1,2-Dichlorobenzene-d4			20.1	ug/L	20.0		101	70-130		



Subcontract Order

MDC0641



Due: 03/29/23

X3C0260**Sending Laboratory:**

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

Client:

Spokane County Environmental Services
(Colbert)
Project Name:
Routine

Project State of Origin:

Washington

Receiving Laboratory:

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

Report and Invoice to SVL Analytical, Inc.

Analysis	Due	HT Expires		
SVL ID: X3C0260-01 Client ID: GWDW-001-230315			Ground Water	Sampled: 15-Mar-23 09:38
Sub SVOC EPA 8270D	31-Mar-23	29-Mar-23 09:38	DEDICATED QC	
Sub VOC 8260C- SIM ONLY				
Containers Supplied:				
Raw Amber Glass (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-02 Client ID: GWDW-002-230315			Ground Water	Sampled: 15-Mar-23 10:57
Sub SVOC EPA 8270D	31-Mar-23	29-Mar-23 10:57	DEDICATED QC	
Sub VOC 8260C- SIM ONLY				
Containers Supplied:				
Raw Amber Glass (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-03 Client ID: GWDW-003-230315			Ground Water	Sampled: 15-Mar-23 12:07
Sub SVOC EPA 8270D	31-Mar-23	29-Mar-23 12:07	DEDICATED QC	
Sub VOC 8260C- SIM ONLY				
Containers Supplied:				
Raw Amber Glass (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-04 Client ID: GWMS-004-230315			Ground Water	Sampled: 15-Mar-23 14:34
Sub SVOC EPA 8270D	31-Mar-23	29-Mar-23 14:34	DEDICATED QC	
Sub VOC 8260C- SIM ONLY				
Containers Supplied:				
Raw Amber Glass (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				

Shipped directly to Anatek

Relinquished by: [Signature] Date/Time: 3/21/23 Received by: DA Date/Time: 3/21/23 13:47

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

MDC0641



Due: 03/29/23



Subcontract Order

X3C0260

Analysis	Due	HT Expires		
SVL ID: X3C0260-05 Client ID: GWMW-009-230315			Ground Water	Sampled: 15-Mar-23 10:30
Sub SVOC EPA 8270D	31-Mar-23	29-Mar-23 10:30	DEDICATED QC	
Sub VOC 8260C- SIM ONLY				
Containers Supplied:				
Raw Amber Glass (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-06 Client ID: GWMW-010-230315			Ground Water	Sampled: 15-Mar-23 09:35
Sub VOC 8260C- SIM ONLY	31-Mar-23	29-Mar-23 09:35		
Containers Supplied:				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-07 Client ID: GWMW-013-230315			Ground Water	Sampled: 15-Mar-23 12:00
Sub VOC 8260C- SIM ONLY	31-Mar-23	29-Mar-23 12:00		
Containers Supplied:				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-08 Client ID: GWMW-014-230315			Ground Water	Sampled: 15-Mar-23 13:45
Sub VOC 8260C- SIM ONLY	31-Mar-23	29-Mar-23 13:45		
Containers Supplied:				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-09 Client ID: GWMW-019R-230315			Ground Water	Sampled: 15-Mar-23 14:15
Sub VOC 8260C- SIM ONLY	31-Mar-23	29-Mar-23 14:15		
Containers Supplied:				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-10 Client ID: GWMW-031-230315			Ground Water	Sampled: 15-Mar-23 08:40
Sub VOC 8260C- SIM ONLY	31-Mar-23	29-Mar-23 08:40		
Containers Supplied:				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-11 Client ID: MWS-1-1-230315			Ground Water	Sampled: 15-Mar-23 11:57
Sub SVOC EPA 8270D	31-Mar-23	29-Mar-23 11:57	DEDICATED QC	
Sub VOC 8260C- SIM ONLY				
Containers Supplied:				
Raw Amber Glass (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				

Relinquished by: 7709/200 Date/Time: 3/21/23 Received by: _____ Date/Time: _____

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



Subcontract Order

X3C0260

MDC0641



Due: 03/29/23

Analysis	Due	HT Expires		
SVL ID: X3C0260-12 Client ID: GWMS-005-230316			Ground Water	Sampled: 16-Mar-23 09:47
Sub SVOC EPA 8270D	31-Mar-23	30-Mar-23 09:47	DEDICATED QC	
Sub VOC 8260C- SIM ONLY				
Containers Supplied:				
Raw Amber Glass (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
Raw Amber Glass (E)				
Raw Amber Glass (F)				
Amber VOA HCl (G)				
Amber VOA HCl (H)				
Amber VOA HCl (I)				
SVL ID: X3C0260-13 Client ID: GWMW-016-230316			Ground Water	Sampled: 16-Mar-23 13:18
Sub VOC 8260C- SIM ONLY	31-Mar-23	30-Mar-23 13:18		
Containers Supplied:				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-14 Client ID: GWMW-020-230316			Ground Water	Sampled: 16-Mar-23 10:15
Sub VOC 8260C- SIM ONLY	31-Mar-23	30-Mar-23 10:15		
Containers Supplied:				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-15 Client ID: GWMW-023-230316			Ground Water	Sampled: 16-Mar-23 11:49
Sub VOC 8260C- SIM ONLY	31-Mar-23	30-Mar-23 11:49		
Containers Supplied:				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-16 Client ID: GWMW-029-230316			Ground Water	Sampled: 16-Mar-23 10:37
Sub SVOC EPA 8270D	31-Mar-23	30-Mar-23 10:37	DEDICATED QC	
Sub VOC 8260C- SIM ONLY				
Containers Supplied:				
Raw Amber Glass (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				
SVL ID: X3C0260-17 Client ID: MWS-1-2-230316			Ground Water	Sampled: 16-Mar-23 10:00
Sub VOC 8260C- SIM ONLY	31-Mar-23	30-Mar-23 10:00		
Containers Supplied:				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Amber VOA HCl (D)				

Relinquished by: [Signature] Date/Time: 3/21/23 Received by: _____ Date/Time: _____

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



Subcontract Order

MDC0641



Due: 03/29/23

X3C0260

Analysis	Due	HT Expires		
SVL ID: X3C0260-18	Client ID: MWS-2-1-230316		Ground Water	Sampled: 16-Mar-23 00:00
Sub VOC 8260C- SIM ONLY	31-Mar-23	30-Mar-23 00:00		
Containers Supplied:				
Amber VOA HCl (B)				
Amber VOA HCl (C)				

Relinquished by: W. J. [Signature] Date/Time: 3/21/23 Received by: _____ Date/Time: _____

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

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

2023

MDC0641



Due: 03/29/23

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 # K30904626261
OF COOLERS: 2 2608

PAGE 1 OF 2

PARAMETERS: METHOD: BOTTLES: LAB: PRESERVATION:			VOLATILES	SEMI VOLATILES	SAMPLERS: M. TERRIS G. FISETTE C. CAMPBELL		
				BEHP			
			8260C	8270D			
			3-40 ml. VOA'S	1 LITER AMBER GLASS			
			ANATEK LAB	ANATEK LAB			
			HCl pH<2	UNPRESERVED	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME					
GW DW-001-230315	3/15	0938	X	X	4	13	✓
GW DW-002-230315	3/15	1057	X	X	4	13	✓
GW DW-003-230315	3/15	1207	X	X	4	13	✓
GW MS-004-230315	3/15	1434	X	X	4	13	✓
GW MW-009-230315	3/15	1030	X	X	4	13	✓
GW MW-010-230315	3/15	0935	X		3	75	✓
GW MW-013-230315	3/15	1200	X		3	75	✓
GW MW-014-230315	3/15	1345	X		3	75	✓
GW MW-019R-230315	3/15	1415	X		3	75	✓
GW MW-031-230315	3/15	0840	X		3	75	✓
MWS-1-1-230315	3/15	1157	X	X	4	13	✓

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

RELINQUISHED BY:

SIGNATURE: Mike Terris DATE: 3/16/2023

PRINT NAME: MIKE S TERRIS TIME: 1400

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY:

SIGNATURE: Drew Anderson DATE: 3/17/23

PRINT NAME: TIME: 10:36

COMPANY:

ALL VOC'S ARE IN COOLER #75

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

2023

MDC0641



Due: 03/29/23

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 # 13090462621
OF COOLERS: 2 2608

PAGE 1

PARAMETERS: METHOD: BOTTLES: LAB: PRESERVATION:		VOLATILES 8260C 3-40 ml. VOA'S ANATEK LAB HCl pH<2	SEMI VOLATILES BEHP 8270D 1 LITER AMBER GLASS ANATEK LAB UNPRESERVED	SAMPLERS:					
				MIKE T. CRAIG C. GORDIE F.					
							NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME							
GWMS-005-230316	3-16	0945	X	X	12	75	MS/MSD		
GW MW-016-230316	3-16	1318	X		3	75	✓		
GW MW-020-230316	3-16	1015	X		3	75	✓		
GW MW-023-230316	3-16	1149	X		3	75	✓		
GW MW-029-230316	3-16	1037	X	X	4	13	✓		
GW MWS-1-2-230316	3-16	1000	X		3	75	✓		
MWS-2-1-230316	3-16	—	X		2	75	TRIP BLANKS ✓		

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

RELINQUISHED BY:

SIGNATURE: *Mike S. Terris* DATE: 3/16/2023
PRINT NAME: MIKE S TERRIS TIME: 1400
COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY:

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

ALL VOC'S ARE IN COOLER #75

SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2023

MDC0641



Due: 03/29/23

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 # 1K30904626261
OF COOLERS: 2 2608

PAGE 1 OF 2

PARAMETERS: METHOD: BOTTLES: LAB:		VOLATILES	SEMI VOLATILES	SAMPLERS:			
			BEHP	M. TERRIS G. FISETTE C. CAMPBELL			
		8260C	8270D				
		3-40 ml. VOA'S ANATEK LAB	1 LITER AMBER GLASS ANATEK LAB				
PRESERVATION:	2023	HCl pH<2	UNPRESERVED	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS	
SAMPLE IDENTIFICATION	DATE	TIME					
GW DW-001-230315	3/15	0930	X	X	4	13	
GW DW-002-230315	3/15	1057	X	X	4	13	
GW DW-003-230315	3/15	1207	X	X	4	13	
GW MS-004-230315	3/15	1434	X	X	4	13	
GW MW-009-230315	3/15	1030	X	X	4	13	
GW MW-010-230315	3/15	0935	X		3	75	
GW MW-013-230315	3/15	1200	X		3	75	
GW MW-014-230315	3/15	1345	X		3	75	
GW MW-019R-230315	3/15	1415	X		3	75	
GW MW-031-230315	3/15	0840	X		3	75	
MWS-1-1-230315	3/15	1157	X	X	4	13	

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

RELINQUISHED BY:

SIGNATURE: *Mike Terris* DATE: 3/16/2023
PRINT NAME: MIKE S TERRIS TIME: 1400
COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY:

SIGNATURE: DATE:
PRINT NAME: TIME:
COMPANY:

ALL VOC'S ARE IN COOLER #75

SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2023

MDC0641



Due: 03/29/23

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 # 130904626261
OF COOLERS: 2 2608

PARAMETERS: METHOD: BOTTLES: LAB: PRESERVATION:		VOLATILES		SEMI VOLATILES		SAMPLERS:		
		8260C		BEHP 8270D		MIKE T. CRAIG C. GORDIE F.		
		3-40 ml. VOA'S		1 LITER AMBER GLASS				
		ANATEK LAB		ANATEK LAB				
		HCL pH<2		UNPRESERVED				
SAMPLE IDENTIFICATION	DATE	TIME						
GWMS-005-230316	3-16	0945	X	X	12	75	MS/MSD	
GW MW-016-230316	3-16	1318	X		3	75		
GW MW-020-230316	3-16	1015	X		3	75		
GW MW-023-230316	3-16	1149	X		3	75		
GW MW-029-230316	3-16	1037	X	X	4	13		
GW MWS-1-2-230316	3-16	1000	X		3	75		
MWS-2-1-230316	3-16	—	X		2	75	TRIP BLANKS	

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

RELINQUISHED BY:

SIGNATURE: *Mike S. Terris* DATE: 3/16/2023
PRINT NAME: MIKE S TERRIS TIME: 1400
COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY:

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

ALL VOC'S ARE IN COOLER #75



One Government Gulch
PO Box 929 | Kellogg, ID 83837

MDC0641



Due: 03/29/23

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From: Drew Anderst <>
Sent: Friday, March 17, 2023 3:56 PM
To: Group_ProjectManagers <Group_ProjectManagers@svl.net>
Subject: Spokane County Samples

We received these samples from Spokane County. At your earliest convenience, could you make a work order for us? We received one of the VOC samples labeled GWMS-005-230316 broken. With the broken VOC you do have enough of a sample out of the other bottles to get an analysis correct? MS/MSD taken at this location as well.

We also had a 1L sample bottled marked GWMS-005-230315 that we believe was supposed to be one of the GWMS-005-00230316 samples, because including the broken GWMS-005-00230316 sample, we only received 11 labeled GWMS-005-00230316, but the COC said there should be 12.

We have a new guy working and being trained this was on oversight, yes the 1 liter should have been labeled GWMS-005-230316 and since we were running a MS/MSD on these samples you should have 9 VOC's 3 regulars samples and 6 for MS/MSD; also 1 regular BEHP and 2 BEHP for MS/MSD a total of 12 bottles

We also received a 1L sample marked GWMW-029-230315 that we believe was supposed to be marked GWMW-029-230316, because the accompanying VOC vials had the 5 in the last position crossed out and a 6 written in place of them to make GWMS-029-00230316. The COC also states there should be 4 total marked GWMW-029-230316.

Again my apologies, yes you are correct the BEHP should be labeled GWMW-029-230316

Thank you,

Drew Anderst
Anatek

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Let us know how we are doing – click [here](#) to complete a customer survey

Drew Anderst

MDC0641



Due: 03/29/23

From: Terris, Mike <MTERRIS@spokanecounty.org>
Sent: Tuesday, March 21, 2023 9:14 AM
To: Stewart, Austin R.
Cc: Drew Anderst; Dave Tryon
Subject: RE: Spokane County Samples

Drew,

I have responded to your question in red below. Please contact me with any further comments. I apologize for any inconvenience this might have caused.

Mike

Sent from Mail for Windows

From: Stewart, Austin R.
Sent: Tuesday, March 21, 2023 8:48 AM
To: Terris, Mike
Subject: RE: Spokane County Samples

Hi Mike,

Would you mind looking over the email below and seeing if you could confirm what they are asking about (regarding the sample bottles) when you get the chance?

Thanks!

Austin

From: Dave Tryon <davet@svl.net>
Sent: Monday, March 20, 2023 10:17 AM
To: Terris, Mike <MTERRIS@spokanecounty.org>; Dobbins, Danette <DDOBBINS@spokanecounty.org>; Stewart, Austin R. <ASTEWART@spokanecounty.org>; Gillette, Hailie S. <HGILLETTE@spokanecounty.org>
Cc: Melissa DiGiovanni <melissa@svl.net>
Subject: RE: Spokane County Samples

Hey,

Please review the below email we received from the sub lab and advise as to your preferred course of action.

Thanks!

Dave

Dave Tryon | Project Manager
(208) 784-1258 | www.svl.net
Direct: (208) 783-1288

Drew Anderst

MDC0641



Due: 03/29/23

From: Megan Bircher <Megan@svl.net>
Sent: Tuesday, March 21, 2023 11:36 AM
To: Drew Anderst
Subject: RE: Spokane County Sub-C
Attachments: X3C0260_COC_02.PDF

Hi Drew,

Attached is the updated Sub-C for Spokane County and a new Autolog has been transferred.

Let me know if you run into any issues and have a good day!

Megan Bircher

Analytical Team Lead - Sample Receiving & Prep



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



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

From: Drew Anderst <DrewA@anateklabs.com>
Sent: Tuesday, March 21, 2023 11:01 AM
To: Megan Bircher <Megan@svl.net>
Subject: RE: Spokane County Sub-C

Perfect, thanks!

From: Megan Bircher <Megan@svl.net>
Sent: Tuesday, March 21, 2023 10:58 AM
To: Drew Anderst <DrewA@anateklabs.com>
Cc: Connor for SVL <Connor@svl.net>; Dave Tryon <davet@svl.net>
Subject: RE: Spokane County Sub-C

Drew,

Thank you, I'll get these added to the WO and send you a new Sub-c and autolog.

Megan Bircher

Analytical Team Lead - Sample Receiving & Prep





Due: 03/29/23

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



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

From: Drew Anderst <DrewA@anateklabs.com>

Sent: Tuesday, March 21, 2023 10:55 AM

To: Megan Bircher <Megan@svl.net>

Subject: RE: Spokane County Sub-C

This should have the full COC attached. Thank you

From: Megan Bircher <Megan@svl.net>

Sent: Tuesday, March 21, 2023 10:38 AM

To: Drew Anderst <DrewA@anateklabs.com>

Cc: Group SCO <GroupSCO@svl.net>

Subject: Spokane County Sub-C

Hi Drew,

Attached is the Sub contract form for the COC you sent last Friday and the Autolog has been transferred. The samples that you listed in your email were not on this COC, do you have another COC to send us?

Thanks,

Megan Bircher

Analytical Team Lead - Sample Receiving & Prep



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



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

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Sample Receipt and Preservation Form

MDC0641



Due: 03/29/23

Client Name: ATI

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: _____ Type of Ice: Wet Ice Ice Packs Dry Ice None

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

Cooler Temp As Read (°C): 2.3 Cooler Temp Corrected (°C): _____ Thermometer Used: _____

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

Comments:

1 broken VOC GWMS 005 230316
GWMS-005-230316, GWMS-027-230316

Samples Properly Preserved? Yes No N/A

If No, record preservation and pH-after details

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

VOC Trip Blanks Present? Yes No N/A

Initial pH:

pH Paper ID:

<2 or

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

674ml HCL S7-1 broken + 2 Trip Blank
to
DA 3/17/23

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

10.2 IL SVOC 8270

Received/Inspected By: JD

Date/Time: 09:56 3/17/23

Form F19.01 - Eff 1 Dec 2022

Page 1 of 1

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0263**
Reported: 31-Mar-23 13:20**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWMS-005-230316	X3C0263-01	Water	16-Mar-23 09:47	GF/MT/C C	20-Mar-2023	
GWMW-016-230316	X3C0263-02	Water	16-Mar-23 13:18	GF/MT/C C	20-Mar-2023	Q5
GWMW-020-230316	X3C0263-03	Water	16-Mar-23 10:15	GF/MT/C C	20-Mar-2023	
GWMW-023-230316	X3C0263-04	Water	16-Mar-23 11:49	GF/MT/C C	20-Mar-2023	
GWMW-029-230316	X3C0263-05	Water	16-Mar-23 10:37	GF/MT/C C	20-Mar-2023	
MWS-1-2-230316	X3C0263-06	Water	16-Mar-23 10:00	GF/MT/C C	20-Mar-2023	

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: X3C0263

SVL is not certified for Mercury 7470A in Washington.

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0263**

Reported: 31-Mar-23 13:20

Client Sample ID: **GWMS-005-230316**

Sampled: 16-Mar-23 09:47

Received: 20-Mar-23

Sampled By: GF/MT/CC

SVL Sample ID: **X3C0263-01 (Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X313016	RCA	03/30/23 09:57	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0422	mg/L	0.0040	0.0019		X312157	AS	03/28/23 13:27	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 13:27	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 13:27	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 13:27	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 13:27	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:49	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312151	KAG	03/29/23 16:00	
SM 2320 B	Total Alkalinity	102	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:56	
SM 2320 B	Bicarbonate	102	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:56	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 15:56	
SM 2540 C	Total Diss. Solids	174	mg/L	10			X312031	TJL	03/21/23 15:40	
SM 5310B	Total Organic Carbon	1.20	mg/L	1.00	0.38		X312005	RS	03/21/23 12:25	
Anions by Ion Chromatography										
EPA 300.0	Chloride	18.9	mg/L	2.00	0.22	10	X312023	RS	03/20/23 22:28	D2
EPA 300.0	Nitrate as N	1.36	mg/L	0.050	0.013		X312023	RS	03/20/23 22:10	H3
EPA 300.0	Sulfate as SO4	14.0	mg/L	0.30	0.18		X312023	RS	03/20/23 22:10	

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

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0263**

Reported: 31-Mar-23 13:20

Client Sample ID: **GWMW-016-230316**

Sampled: 16-Mar-23 13:18

Received: 20-Mar-23

Sampled By: GF/MT/CC

SVL Sample ID: **X3C0263-02 (Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.000200	mg/L	0.000200	0.000093		X313016	RCA	03/30/23 09:59	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.643	mg/L	0.0040	0.0019		X312157	AS	03/28/23 13:37	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 13:37	
EPA 6010D	Manganese	0.505	mg/L	0.0080	0.0034		X312157	AS	03/28/23 13:37	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 13:37	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 13:37	
EPA 6020B	Arsenic	0.0723	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:57	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	0.422	mg/L	0.030	0.013		X312151	KAG	03/29/23 16:02	
SM 2320 B	Total Alkalinity	1350	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:02	
SM 2320 B	Bicarbonate	1350	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:02	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:02	
SM 2540 C	Total Diss. Solids	1580	mg/L	40			X312031	TJL	03/21/23 15:40	D2
SM 5310B	Total Organic Carbon	29.3	mg/L	1.00	0.38		X312005	RS	03/21/23 18:03	
Anions by Ion Chromatography										
EPA 300.0	Chloride	162	mg/L	5.00	0.55	25	X312023	RS	03/20/23 19:47	D2
EPA 300.0	Nitrate as N	0.168	mg/L	0.050	0.013		X312023	RS	03/20/23 19:29	H3
EPA 300.0	Sulfate as SO4	0.47	mg/L	0.30	0.18		X312023	RS	03/20/23 19:29	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0263**

Reported: 31-Mar-23 13:20

Client Sample ID: **GWMW-020-230316**

Sampled: 16-Mar-23 10:15

Received: 20-Mar-23

Sampled By: GF/MT/CC

SVL Sample ID: **X3C0263-03 (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		X313016	RCA	03/30/23 10:02	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.190	mg/L	0.0040	0.0019		X312157	AS	03/28/23 13:53	
EPA 6010D	Lead	0.0222	mg/L	0.0150	0.0049		X312157	AS	03/28/23 13:53	
EPA 6010D	Manganese	0.120	mg/L	0.0080	0.0034		X312157	AS	03/28/23 13:53	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 13:53	
EPA 6010D	Zinc	0.0330	mg/L	0.0100	0.0054		X312157	AS	03/28/23 13:53	
EPA 6020B	Arsenic	0.00558	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 13:59	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312151	KAG	03/29/23 16:04	
SM 2320 B	Total Alkalinity	246	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:10	
SM 2320 B	Bicarbonate	246	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:10	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:10	
SM 2540 C	Total Diss. Solids	286	mg/L	10			X312031	TJL	03/21/23 15:40	
SM 5310B	Total Organic Carbon	1.86	mg/L	1.00	0.38		X312153	KAG	03/28/23 08:22	
Anions by Ion Chromatography										
EPA 300.0	Chloride	7.65	mg/L	0.20	0.02		X312023	RS	03/20/23 20:05	
EPA 300.0	Nitrate as N	1.94	mg/L	0.050	0.013		X312023	RS	03/20/23 20:05	H3
EPA 300.0	Sulfate as SO4	5.24	mg/L	0.30	0.18		X312023	RS	03/20/23 20:05	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0263**

Reported: 31-Mar-23 13:20

Client Sample ID: **GWMW-023-230316**

Sampled: 16-Mar-23 11:49

Received: 20-Mar-23

Sampled By: GF/MT/CC

SVL Sample ID: **X3C0263-04 (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		X313016	RCA	03/30/23 10:04	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.120	mg/L	0.0040	0.0019		X312157	AS	03/28/23 13:56	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 13:56	
EPA 6010D	Manganese	0.892	mg/L	0.0080	0.0034		X312157	AS	03/28/23 13:56	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 13:56	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 13:56	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 14:01	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312151	KAG	03/29/23 16:06	
SM 2320 B	Total Alkalinity	314	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:17	
SM 2320 B	Bicarbonate	314	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:17	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:17	
SM 2540 C	Total Diss. Solids	385	mg/L	10			X312031	TJL	03/21/23 15:40	
SM 5310B	Total Organic Carbon	2.11	mg/L	1.00	0.38		X312005	RS	03/21/23 18:40	
Anions by Ion Chromatography										
EPA 300.0	Chloride	42.4	mg/L	2.00	0.22	10	X312023	RS	03/21/23 01:27	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.013		X312023	RS	03/21/23 01:09	H3
EPA 300.0	Sulfate as SO4	8.66	mg/L	0.30	0.18		X312023	RS	03/21/23 01:09	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0263**

Reported: 31-Mar-23 13:20

Client Sample ID: **GWMW-029-230316**

Sampled: 16-Mar-23 10:37

Received: 20-Mar-23

Sampled By: GF/MT/CC

SVL Sample ID: **X3C0263-05 (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		X313016	RCA	03/30/23 10:06	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.101	mg/L	0.0040	0.0019		X312157	AS	03/28/23 14:00	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X312157	AS	03/28/23 14:00	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X312157	AS	03/28/23 14:00	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 14:00	
EPA 6010D	Zinc	< 0.0100	mg/L	0.0100	0.0054		X312157	AS	03/28/23 14:00	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 14:15	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312151	KAG	03/29/23 16:08	
SM 2320 B	Total Alkalinity	86.4	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:34	
SM 2320 B	Bicarbonate	86.4	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:34	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:34	
SM 2540 C	Total Diss. Solids	337	mg/L	10			X312031	TJL	03/21/23 15:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X312005	RS	03/21/23 18:59	
Anions by Ion Chromatography										
EPA 300.0	Chloride	137	mg/L	5.00	0.55	25	X312023	RS	03/21/23 02:02	D2
EPA 300.0	Nitrate as N	1.02	mg/L	0.050	0.013		X312023	RS	03/21/23 01:45	H3
EPA 300.0	Sulfate as SO4	7.04	mg/L	0.30	0.18		X312023	RS	03/21/23 01:45	

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

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0263**

Reported: 31-Mar-23 13:20

Client Sample ID: **MWS-1-2-230316**

Sampled: 16-Mar-23 10:00

Received: 20-Mar-23

Sampled By: GF/MT/CC

SVL Sample ID: **X3C0263-06 (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		X313016	RCA	03/30/23 10:08	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.243	mg/L	0.0040	0.0019		X312157	AS	03/28/23 14:03	
EPA 6010D	Lead	0.0221	mg/L	0.0150	0.0049		X312157	AS	03/28/23 14:03	
EPA 6010D	Manganese	0.131	mg/L	0.0080	0.0034		X312157	AS	03/28/23 14:03	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X312157	AS	03/28/23 14:03	
EPA 6010D	Zinc	0.0362	mg/L	0.0100	0.0054		X312157	AS	03/28/23 14:03	
EPA 6020B	Arsenic	0.00564	mg/L	0.00300	0.00021		X312156	DWJ	03/30/23 14:17	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X312151	KAG	03/29/23 16:19	
SM 2320 B	Total Alkalinity	256	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:41	
SM 2320 B	Bicarbonate	256	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:41	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X312100	MWD	03/22/23 16:41	
SM 2540 C	Total Diss. Solids	296	mg/L	10			X312031	TJL	03/21/23 15:40	
SM 5310B	Total Organic Carbon	1.25	mg/L	1.00	0.38		X312005	RS	03/21/23 19:18	
Anions by Ion Chromatography										
EPA 300.0	Chloride	7.72	mg/L	0.20	0.02		X312023	RS	03/21/23 02:20	
EPA 300.0	Nitrate as N	1.96	mg/L	0.050	0.013		X312023	RS	03/21/23 02:20	H3
EPA 300.0	Sulfate as SO4	5.30	mg/L	0.30	0.18		X312023	RS	03/21/23 02:20	

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

Dave Tryon
Project Manager

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0263**
Reported: 31-Mar-23 13:20**Quality Control - BLANK Data**

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total)								
EPA 7470A	Mercury	mg/L	<0.000200	0.000093	0.000200	X313016	30-Mar-23	
Metals (Total Recoverable)								
EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X312157	28-Mar-23	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X312157	28-Mar-23	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X312157	28-Mar-23	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X312157	28-Mar-23	
EPA 6010D	Zinc	mg/L	<0.0100	0.0054	0.0100	X312157	28-Mar-23	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X312156	30-Mar-23	
Classical Chemistry Parameters								
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X312151	29-Mar-23	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	<1.0		1.0	X312100	22-Mar-23	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	<1.0		1.0	X312100	22-Mar-23	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0		1.0	X312100	22-Mar-23	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X312031	21-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X312005	21-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X312005	21-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X312153	28-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X312153	28-Mar-23	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.02	0.20	X312023	20-Mar-23	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X312023	20-Mar-23	
EPA 300.0	Sulfate as SO ₄	mg/L	<0.30	0.18	0.30	X312023	20-Mar-23	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)									
EPA 7470A	Mercury	mg/L	0.00210	0.00200	105	80 - 120	X313016	30-Mar-23	
Metals (Total Recoverable)									
EPA 6010D	Barium	mg/L	0.982	1.00	98.2	80 - 120	X312157	28-Mar-23	
EPA 6010D	Lead	mg/L	0.978	1.00	97.8	80 - 120	X312157	28-Mar-23	
EPA 6010D	Manganese	mg/L	0.974	1.00	97.4	80 - 120	X312157	28-Mar-23	
EPA 6010D	Vanadium	mg/L	1.00	1.00	100	80 - 120	X312157	28-Mar-23	
EPA 6010D	Zinc	mg/L	0.969	1.00	96.9	80 - 120	X312157	28-Mar-23	
EPA 6020B	Arsenic	mg/L	0.0231	0.0250	92.6	80 - 120	X312156	30-Mar-23	
Classical Chemistry Parameters									
EPA 350.1	Ammonia as N	mg/L	1.03	1.00	103	90 - 110	X312151	29-Mar-23	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	102	99.3	103	96.4 - 105	X312100	22-Mar-23	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	404	397	102	96.4 - 105	X312100	22-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	32.5	34.3	94.6	90 - 110	X312005	21-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	33.1	34.3	96.6	90 - 110	X312005	21-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	32.2	34.3	93.9	90 - 110	X312153	28-Mar-23	

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0263**
Reported: 31-Mar-23 13:20**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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Classical Chemistry Parameters (Continued)

SM 5310B	Total Organic Carbon	mg/L	32.3	34.3	94.3	90 - 110	X312153	28-Mar-23	
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Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.04	3.00	101	90 - 110	X312023	20-Mar-23	
EPA 300.0	Nitrate as N	mg/L	2.06	2.00	103	90 - 110	X312023	20-Mar-23	
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X312023	20-Mar-23	

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 CaCO3	101	102	1.2	20	X312100 - X3C0263-01	22-Mar-23	
SM 2320 B	Bicarbonate	mg/L as CaCO3	101	102	1.2	20	X312100 - X3C0263-01	22-Mar-23	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X312100 - X3C0263-01	22-Mar-23	
SM 2540 C	Total Diss. Solids	mg/L	181	174	3.9	10	X312031 - X3C0263-01	21-Mar-23	
SM 2540 C	Total Diss. Solids	mg/L	394	385	2.3	10	X312031 - X3C0263-04	21-Mar-23	

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	0.00207	<0.000200	0.00200	104	75 - 125	X313016 - X3C0263-01	30-Mar-23	
EPA 7470A	Mercury	mg/L	0.00206	<0.000200	0.00200	103	75 - 125	X313016 - X3C0235-03	30-Mar-23	

Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.07	0.0422	1.00	102	75 - 125	X312157 - X3C0263-01	28-Mar-23	
EPA 6010D	Lead	mg/L	0.991	<0.0150	1.00	99.1	75 - 125	X312157 - X3C0263-01	28-Mar-23	
EPA 6010D	Manganese	mg/L	0.987	<0.0080	1.00	98.7	75 - 125	X312157 - X3C0263-01	28-Mar-23	
EPA 6010D	Vanadium	mg/L	1.02	<0.0050	1.00	102	75 - 125	X312157 - X3C0263-01	28-Mar-23	
EPA 6010D	Zinc	mg/L	0.980	<0.0100	1.00	98.0	75 - 125	X312157 - X3C0263-01	28-Mar-23	
EPA 6020B	Arsenic	mg/L	0.0248	<0.00300	0.0250	97.4	75 - 125	X312156 - X3C0263-01	30-Mar-23	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.04	<0.030	1.00	104	90 - 110	X312151 - X3C0263-01	29-Mar-23	
EPA 350.1	Ammonia as N	mg/L	1.36	0.422	1.00	94.0	90 - 110	X312151 - X3C0263-02	29-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	10.8	1.20	10.0	96.0	80 - 120	X312005 - X3C0263-01	21-Mar-23	
SM 5310B	Total Organic Carbon	mg/L	10.5	<1.00	10.0	95.3	80 - 120	X312153 - X3C0288-05	28-Mar-23	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	21.8	18.9	3.00	97.4	90 - 110	X312023 - X3C0263-01	20-Mar-23	D2
EPA 300.0	Chloride	mg/L	3.98	1.02	3.00	98.6	90 - 110	X312023 - X3C0259-01	21-Mar-23	
EPA 300.0	Nitrate as N	mg/L	3.37	1.36	2.00	100	90 - 110	X312023 - X3C0263-01	20-Mar-23	
EPA 300.0	Nitrate as N	mg/L	2.31	0.306	2.00	100	90 - 110	X312023 - X3C0259-01	21-Mar-23	
EPA 300.0	Sulfate as SO4	mg/L	24.3	14.0	10.0	103	90 - 110	X312023 - X3C0263-01	20-Mar-23	
EPA 300.0	Sulfate as SO4	mg/L	12.9	2.74	10.0	101	90 - 110	X312023 - X3C0259-01	21-Mar-23	

**Spokane County Environmental Services (Colbert)**22515 N. Elk Chattaroy Road
Colbert, WA 99005Work Order: **X3C0263**

Reported: 31-Mar-23 13:20

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	0.00208	0.00207	0.00200	0.4	20	104	X313016 - X3C0263-01	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.07	1.07	1.00	0.1	20	102	X312157 - X3C0263-01	
EPA 6010D	Lead	mg/L	1.01	0.991	1.00	1.7	20	101	X312157 - X3C0263-01	
EPA 6010D	Manganese	mg/L	0.993	0.987	1.00	0.6	20	99.3	X312157 - X3C0263-01	
EPA 6010D	Vanadium	mg/L	1.04	1.02	1.00	1.6	20	103	X312157 - X3C0263-01	
EPA 6010D	Zinc	mg/L	1.00	0.980	1.00	2.0	20	100	X312157 - X3C0263-01	
EPA 6020B	Arsenic	mg/L	0.0244	0.0248	0.0250	1.4	20	96.0	X312156 - X3C0263-01	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.04	1.04	1.00	0.1	20	104	X312151 - X3C0263-01	
SM 5310B	Total Organic Carbon	mg/L	11.0	10.8	10.0	1.9	20	98.1	X312005 - X3C0263-01	
SM 5310B	Total Organic Carbon	mg/L	10.8	10.5	10.0	3.2	20	98.8	X312153 - X3C0288-05	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	22.0	21.8	3.00	1.1	20	105	X312023 - X3C0263-01	D2
EPA 300.0	Nitrate as N	mg/L	3.38	3.37	2.00	0.5	20	101	X312023 - X3C0263-01	
EPA 300.0	Sulfate as SO4	mg/L	24.3	24.3	10.0	0.1	20	103	X312023 - X3C0263-01	



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: **X3C0263**

Reported: 31-Mar-23 13:20

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
H3	Sample was received and/or analysis requested past holding time.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

Work Order: **X3C0263**
Spokane County Environmental Services (I

**FOR GROUNDWATER SAMPLES
 MONITORING PROGRAM**

1.70

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

CLIE
 SPO
 22515 N. ELK CHATTAUQUET RD.
 COLBERT, WASHINGTON 99005
 (509) 238-6607 FAX (509) 238-6812
 MICA (509) 924-5223



SHIPPING CO: **UPS**
 SHIPPING #: **1K30904626171**
 NUMBER OF COOLERS: **2 2644** DATE: **3/16/2023**
 PAGE **1** OF **1**

ATTENTION: Sample Receiving

MICA (509)924-5223

				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	GORDIE F		
BOTTLES:			1-40 ml. VOC	1-500 ml POLY BOTTLE	1-500 ml POLY BOTTLE	1-500 ml. POLY BOTTLE	1-500 ml. POLY BOTLE	MIKE T		
LAB:			SVL	SVL	SVL	SVL	SVL	CRAIG C.		
PRESERVATION:	2023		HCL pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph< 2 (NOT FILTERED)	COOLER NUMBER	NUMBER BOTTLES	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME								
GWMS-005-230316	3-16	0947	X	X	X		X	18	4	MS/MSD
GWMW-016-230316	3-16	1318	X	X	X		X	18	4	
GWMW-020-230316	3-16	1015	X	X	X		X	19	4	
GWMW-023-230316	3-16	1149	X	X	X		X	19	4	
GWMW-029-230316	3-16	1037	X	X	X		X	19	4	
MWS-1-2-230316	3-16	1000	X	X	X		X	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: *Mike Stennis*

PRINT NAME: **MIKE STENNIS**

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: **3/16/23**

TIME: **1400**

RECEIVED BY

SIGNATURE: *Melissa DiGiovanni*

PRINT NAME: **Melissa DiGiovanni**

COMPANY: **SVL**

DATE: **3/20/23**

TIME: **845**

* ALL TOC ARE IN COOLER # 8

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

Work Order: **X3C0263**
Spokane County Environmental Services (I

2023

1.7°C

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



COLUMBIA, WASHINGTON 99001
(509) 238-6607 FAX (509) 238-6812
MICA (509) 924-5223

SHIPPING CO: **UPS**
SHIPPING #: **1K30904626171**
NUMBER OF COOLERS: **2 2644**

DATE: **3/16/2023**
PAGE **1** OF **1**

ATTENTION: Sample Receiving			MICA (509)924-5223			MONITORING		RESIDENTIAL		SAMPLERS:		
PARAMETERS:			TOC	AMMONIA	Cl / SO4 / TDS NO3 / ALKALINITY	Cl / SO4 / NO3 ALKALINITY	METALS (As / Ba / Pb / Hg Mn / V / Zn)					
METHOD:			415.1	350.1	300.0/300.0/160.1 300.0 / 2320 B	300.0/300.0/ 300.0 2320B	7060A / 6010B / 7470A	GORDIE F				
BOTTLES:			1-40 ml. VOC	1-500 ml POLY BOTTLE	1-500 ml POLY BOTTLE	1-500 ml. POLY BOTTLE	1-500 ml. POLY BOTLE	MIKE T				
LAB:			SVL	SVL	SVL	SVL	SVL	CRAIG C.				
PRESERVATION:	2023		HCL pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph< 2 (NOT FILTERED)	COOLER NUMBER	NUMBER BOTTLES	COMMENTS		
SAMPLE IDENTIFICATION			DATE	TIME								
GWMS-005-230316			3-16	0947	X	X	X	X	18	4	MS/MSD	
GWMW-016-230316			3-16	1318	X	X	X	X	18	4		
GWMW-020-230316			3-16	1015	X	X	X	X	19	4		
GWMW-023-230316			3-16	1149	X	X	X	X	19	4		
GWMW-029-230316			3-16	1037	X	X	X	X	19	4		
MWS-1-2-230316			3-16	1000	X	X	X	X	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: <i>Mike Stennis</i> PRINT NAME: MIKE STENNIS COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE	DATE: 3/16/23 TIME: 1400	RECEIVED BY SIGNATURE: <i>Helisa Digiovanni</i> PRINT NAME: Helisa Digiovanni COMPANY: SVL	DATE: 3/20/23 TIME: 845
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* ALL TOC ARE IN COOLER # 8

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: 3/20/23

By: Melissa D

SVL Work No: X3C0263

Item	Description	V	NA	Comments
1	Client or project name	✓		Spokane County Enviro Svcs
2	Date and time of receipt at lab	✓		3/20/23 845
3	Received by	✓		MWD
4	Temperature blank or cooler temperature	✓		Temp. 1.7 °C T098/T126
5	Were the sample(s) received on ice	✓		
6	Custody tape/bottle seals	✓		
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	✓		SVL preserved as necessary GWDW-016-230316 HNO ₃ pltd at 3
13	Additional Information	✓		Samples received past HT for NO ₃ 5/20/23 NB

SVL
1 GOVERNMENT GULCH 2.9°C
KELLOQQ ID 83837

P: NORTH S: NORTH I: 1
KING - RDC
K3090462617
MTN4FTS IDCOE948UDC MAR 20 02:32:20 2023
US 8380 HIP 22.9.3 ZP4505

SVL ANALYTICAL
1 GOVERNMENT GULCH 1.7°C
KELLOQQ ID 83837

P: NORTH S: NORTH I: 5D
KING - RDC
K3090462644
MTN4FTS IDCOE948UDC MAR 20 02:33:01 2023
US 8380 HIP 22.9.3 ZP4505