



Spokane County

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

April 27, 2020

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

RE: Mica Performance Report

Dear Sandra,

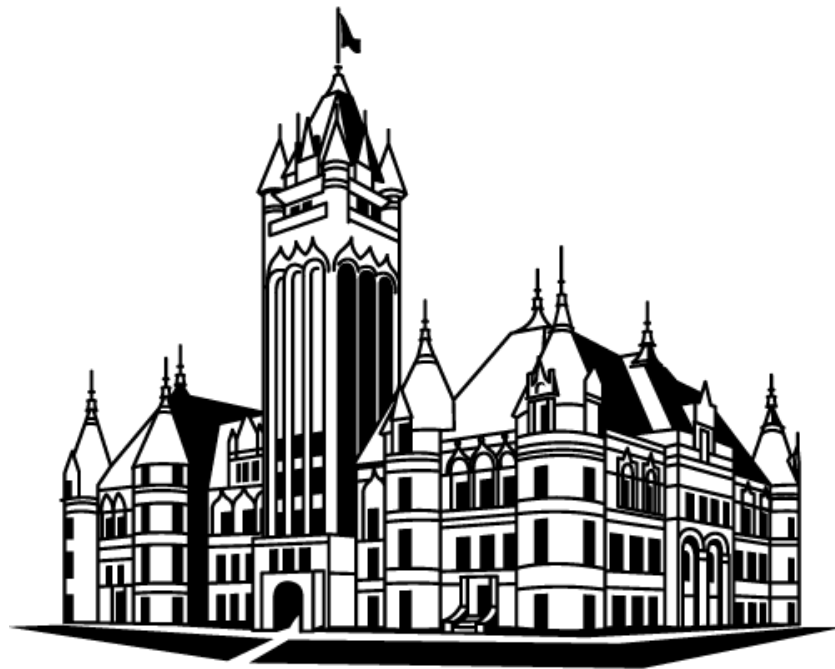
Enclosed you will find one copy of the Mica March 2020 Semi-Annual Progress Report.

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

Sincerely,

Austin Stewart
Water Resources Specialist

**MICA LANDFILL
SEMI-ANNUAL PERFORMANCE REPORT
March 2020**



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 2019 through March 2020.
REGULATORY AUTHORITY:	Washington State Department of Ecology, EPA Scope of work for Remedial Action as stated in the Final Cleanup Action Plan (CAP) 2002.
TECHNOLOGY:	Impermeable cover system with passive landfill gas collection and flare stations. Leachate collection system conveying leachate to local sewer for treatment and disposal.
CRITERIA:	Criteria were established as stated in the Consent Decree and outlined in the Final CAP. See Table 1-1.
SAMPLING PROGRAMS:	<u>Compliance Monitoring Program:</u> Semi-annual groundwater and leachate sampling done in accordance with Final Cleanup Action Plan (CAP) and the SAP. MW-16 is still sampled on a quarterly basis, so December 2019 results are included in this report. See Figure 1-1 for site locations. See Table 1-2 for well designations and Table 1-3 sampling schedule.

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

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

LEACHATE		
Parameter	Units	Daily Maximum
Benzene	mg/L	Sum total of the four results shall be less than or equal to 1.4
Toluene	mg/L	
Ethylbenzene	mg/L	
Xylene	mg/L	

Mica Landfill Site Map

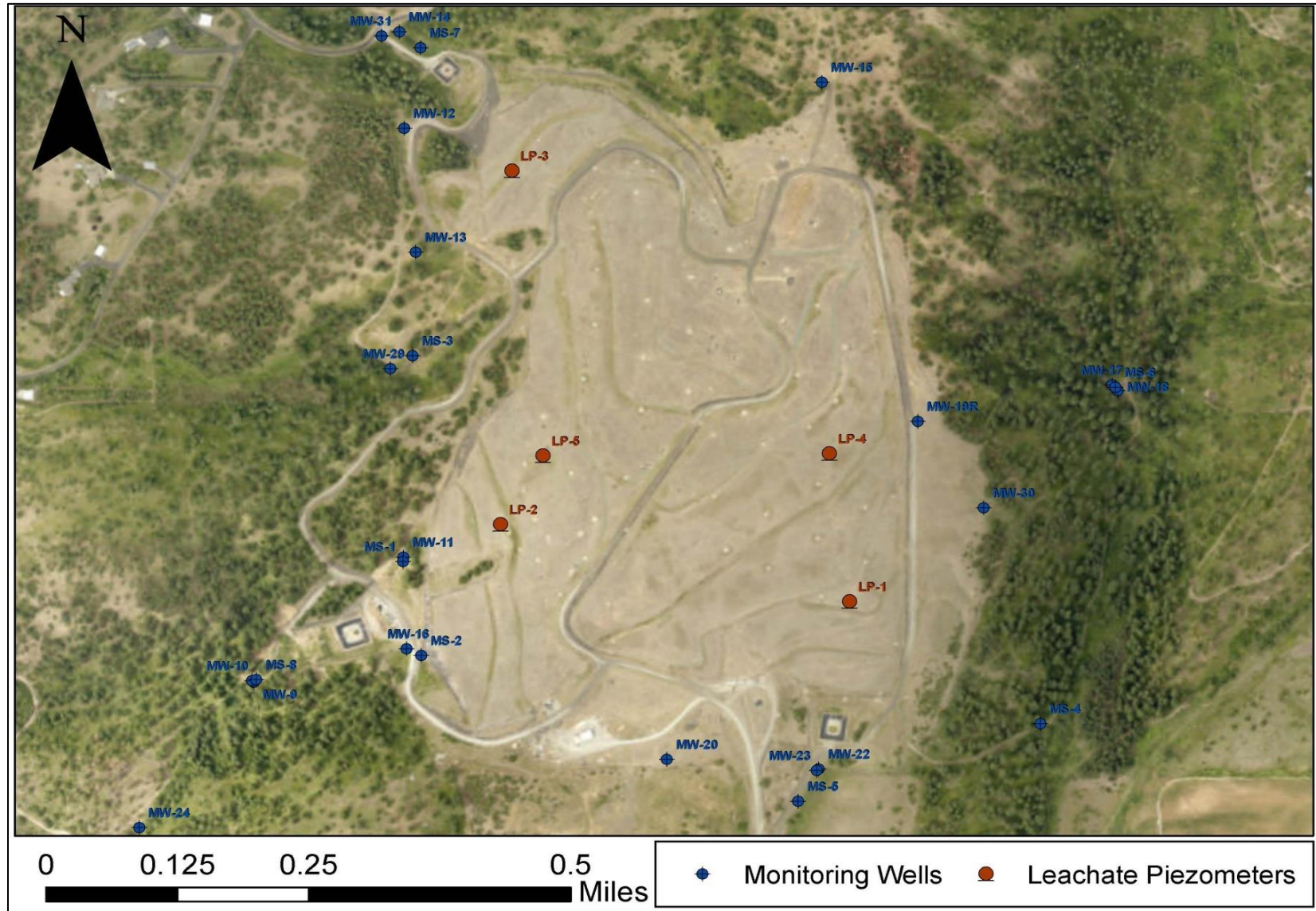


Figure 1-1: Mica Landfill Site Map

Mica Landfill RA Compliance Monitoring Wells

Table 1-2: Mica Landfill Summary Groundwater Monitoring Wells

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

Mica Landfill Sampling Schedule

Table 1-3 Mica Landfill Sampling Schedule

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

2 GROUNDWATER

2.1 GROUNDWATER DATA/SUMMARIES

PROBLEMS/ DEVIATIONS

During the March 2020 sampling round, water levels were not taken from domestic wells DW-1 and DW-2 due to depth of well and/or running of the well.

FIELD DATA

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

CRITERIA EXCEEDANCES

Concentrations found above the clean-up criteria during this quarter 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 2020 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 2019 and March 2020 sampling events. VOCs that had concentrations above the clean-up criteria included 1,2-DCA, 1,2-DCP, Acetone, Benzene, and Vinyl chloride. The VOC sample for MW-016 during the December 2019 sampling event had to be diluted during analysis, which resulted in elevated — detection limits for Methylene chloride, Tetrachloroethene, and Vinyl chloride above the cleanup criteria. The concentrations for arsenic and barium were also above the criteria for MW-16 during the December 2019 and March 2020 sampling events.

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

Nitrate concentrations for MS-5 and MW-20 exceeded the cleanup criteria during the March 2020 sampling event. Arsenic, barium, and lead concentrations in MW-20 also exceeded their designated cleanup criteria during the March 2020 sampling event.

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

Monitoring well MW-19R and MS-4 had nitrate concentrations above the clean-up criteria during the March 2020 sampling event.

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

The zinc levels at DW-1 and DW-2 exceeded the clean-up criteria, but were below the Washington State drinking water standards. Domestic Well DW-3 had nitrate concentrations above the criteria of 0.8 mg/L. See the “Contingency Response Actions” section for additional information.

CHEMICAL DATA

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

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

CONTINGENCY RESPONSE ACTIONS

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

The zinc concentration found at DW-1 was below the cleanup criteria in the September 2019 sampling event, but exceeded the criteria during the March 2020 sampling event. The zinc concentrations in this well continue to exhibit a decreasing trend overall, despite exceeding the cleanup criteria during the March 2020 sampling event. The zinc concentration found at DW-2 was above the cleanup criteria in the March 2020 sampling event, but remains below the Washington State drinking water standards. The increase in zinc concentration for DW-2 occurred due to a replacement of 160' of 1-1/4" galvanized pipe on 3/29/2019. The replacement of the galvanized pipe was performed by Fogle Pump, and the replacement was due to a pump failure in the well.

Mica Landfill Field Parameters

Table 2-1 Mica Landfill Field Parameters Summary

StationID	SampleDate	Temp	PH	Conductivity	Turbidity	WElev
DW-001	3/11/2020	11	6.89	361	4.9	
DW-002	3/11/2020	11	7.02	331	0.21	
DW-003	3/11/2020	10.8	7.21	353	0.74	2394.80
MS-004	3/11/2020	9.2	7.14	335	1.69	2515.70
MS-005	3/12/2020	10.7	6.71	337	0.42	2562.09
MW-009	3/11/2020	7.8	6.71	448	1.12	2493.21
MW-010	3/11/2020	9.6	6.96	166	0.31	2493.77
MW-013	3/11/2020	10	6.81	380	0.95	2672.04
MW-014	3/11/2020	8.4	7.1	152	1.47	2591.06
MW-016	12/3/2019	10.3	6.82	2140	1.11	2538.92
MW-016	3/12/2020	11	6.68	2080	1.19	2539.21
MW-019R	3/11/2020	10.2	6.86	177	1.1	2689.76
MW-020	3/11/2020	10.8	7.02	507	60.1	2591.97
MW-023	3/12/2020	10.2	6.94	807		2563.67
MW-029	3/11/2020	9.7	6.37	619	0.58	2593.94
MW-031	3/11/2020	6.1	6.65	103	5.47	2589.47

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-001	3/11/2020	Zinc	0.4	0.504	0.01		mg/L	I	Domestic
DW-002	3/11/2020	Zinc	0.4	1.2	0.01		mg/L	I	Domestic
DW-003	3/11/2020	N-Nitrate	0.8	2.44	0.05		mg/L	C	Domestic
MW-029	3/11/2020	N-Nitrate	0.8	1.25	1.25	UD	mg/L	C	Northwest
MS-005	3/12/2020	N-Nitrate	0.8	1.55	0.05		mg/L	C	South
MW-020	3/11/2020	N-Nitrate	0.8	2.35	0.5	D	mg/L	C	South
MW-020	3/11/2020	Arsenic	0.005	0.00695	0.003		mg/L	I	South
MW-020	3/11/2020	Barium	0.56	0.763	0.004		mg/L	I	South
MW-020	3/11/2020	Lead	0.015	0.066	0.015		mg/L	I	South
MS-004	3/11/2020	N-Nitrate	0.8	5.97	0.05		mg/L	C	Southeast
MW-019R	3/11/2020	N-Nitrate	0.8	1.2	0.5	D	mg/L	C	Southeast
MW-016	12/3/2019	Arsenic	0.005	0.0505	0.003		mg/L	I	Southwest
MW-016	3/12/2020	Arsenic	0.005	0.0567	0.003		mg/L	I	Southwest
MW-016	12/3/2019	Barium	0.56	0.595	0.004		mg/L	I	Southwest
MW-016	3/12/2020	Barium	0.56	0.663	0.004		mg/L	I	Southwest
MW-016	12/3/2019	1,2-Dichloroethane	1.2	2.46	2		ug/L	V	Southwest
MW-016	3/12/2020	1,2-Dichloroethane	1.2	2.83	0.5		ug/L	V	Southwest
MW-016	12/3/2019	1,2-Dichloropropane	0.643	11.8	2		ug/L	V	Southwest
MW-016	3/12/2020	1,2-Dichloropropane	0.643	12.8	0.5		ug/L	V	Southwest
MW-016	3/12/2020	Acetone	688	873	2.5		ug/L	V	Southwest
MW-016	12/3/2019	Benzene	0.795	11.8	2		ug/L	V	Southwest
MW-016	3/12/2020	Benzene	0.795	13.2	0.5		ug/L	V	Southwest
MW-016	12/3/2019	Methylene Chloride	5	10	10	UD	ug/L	V	Southwest
MW-016	12/3/2019	Tetrachloroethene	0.858	2	2	UD	ug/L	V	Southwest
MW-016	12/3/2019	Vinyl Chloride	0.023	2	2	UD	ug/L	V	Southwest
MW-016	3/12/2020	Vinyl Chloride	0.023	1.82	0.5		ug/L	V	Southwest

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

D = Sample diluted during lab analysis

U = Non-detection at the reported detection limit

Mica Landfill Groundwater Analytical Results

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

AnalyteAbbrev	Date	AnalyteCat	Units	DW-001	DW-002	DW-003	MS-004	MS-005	MW-009	MW-010	MW-013	MW-014	MW-016	MW-019R	MW-020	MW-023	MW-029	MW-031
ALK	3-2020	C	mg/L as Ca	137	154	167	131	107	197	83.7	181	76.1	1400	109	233	372	77.7	49.7
Cl	3-2020	C	mg/L	15.9D	4.93	0.88	0.53	24.2D	13.6D	0.39	8.74	0.73	153D	6.95	7.58	51.6D	136D	1.94
N-NH3	12-2019	C	mg/L										0.302					
N-NH3	3-2020	C	mg/L	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U	0.329	0.03U	0.03U	0.03U	0.03U	0.03U
N-NO3	3-2020	C	mg/L	0.402	0.721	2.44	5.97	1.55	0.5UD	0.204	0.515D	0.05U	0.05U	1.2D	2.35D	0.05U	1.25UD	0.05
SO4	3-2020	C	mg/L	8.59	7.16	1.5	10.4	18.8	3.1	0.7	3.6	8.88	0.3U	4.9	6.23	8.44	6.35	3.54
TDS	3-2020	C	mg/L				191	210	225	99	238	116	1310	168	278	472	387	77
TOC	12-2019	C	mg/L										42.7D					
TOC	3-2020	C	mg/L	1U	1U	1U	1U	2.11	2.16	1U	1.08	1U	49.4D	1.22	3UD	2.56	1U	4.61
As	12-2019	I	mg/L										0.0505					
As	3-2020	I	mg/L	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.0567	0.003U	0.00695	0.003U	0.003U	0.003U
Ba	12-2019	I	mg/L										0.595					
Ba	3-2020	I	mg/L	0.0313	0.0259	0.0303	0.0793	0.0557	0.125	0.0474	0.0524	0.004U	0.663	0.0379	0.763	0.147	0.103	0.0392
Hg	12-2019	I	mg/L										0.0002U					
Hg	3-2020	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	12-2019	I	mg/L										0.446					
Mn	3-2020	I	mg/L	0.011	0.0253	0.008U	0.008U	0.008U	0.223	0.008U	0.008U	0.172	0.552	0.008U	0.417	0.94	0.008U	0.008U
Pb	12-2019	I	mg/L										0.015U					
Pb	3-2020	I	mg/L	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.015U	0.066	0.015U	0.015U	0.015U
Va	12-2019	I	mg/L										0.005U					
Va	3-2020	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	0.0177	0.005U	0.005U	0.005U
Zn	12-2019	I	mg/L										0.01U					
Zn	3-2020	I	mg/L	0.504	1.2	0.101	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.129	0.01U	0.01U	0.01U
BEHP	3-2020	S	ug/L	0.5U	0.5U	0.5U	2.21	0.5U	0.75								0.5U	
1,2-DCA	12-2019	V	ug/L										2.46					
1,2-DCA	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	2.83	0.5U	0.5U	0.5U	0.5U	0.5U

1,2-DCP	12-2019	V	ug/L										11.8					
1,2-DCP	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	12.8	0.5U	0.5U	0.5U	0.5U	0.5U
Acetone	12-2019	V	ug/L										671					
Acetone	3-2020	V	ug/L	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	873	2.5U	2.5U	2.5U	2.5U	2.5U
Benzene	12-2019	V	ug/L										11.8					
Benzene	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	13.2	0.5U	0.5U	0.5U	0.5U	0.5U
cis-1,2-DCE	12-2019	V	ug/L										6.05					
cis-1,2-DCE	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	8.59	0.5U	0.5U	0.5U	0.5U	0.5U
Ethylbenzene	12-2019	V	ug/L										61.4					
Ethylbenzene	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	59	0.5U	0.5U	0.5U	0.5U	0.5U
m,p-Xylene	12-2019	V	ug/L										42.9					
m,p-Xylene	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	39.1	0.5U	0.5U	0.5U	0.5U	0.5U
MC	12-2019	V	ug/L										10UD					
MC	3-2020	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	12-2019	V	ug/L										19.8					
O-Xylene	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	20.3	0.5U	0.5U	0.5U	0.5U	0.5U
PCE	12-2019	V	ug/L										2UD					
PCE	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U
TCE	12-2019	V	ug/L										2UD					
TCE	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.08	0.5U	0.5U	0.5U	0.5U	0.5U
Toluene	12-2019	V	ug/L										14.2					
Toluene	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	22.7	0.5U	0.5U	0.5U	0.5U	0.5U
VC	12-2019	V	ug/L										2UD					
VC	3-2020	V	ug/L	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	1.82	0.5U	0.5U	0.5U	0.5U	0.5U

Blue bold indicates concentration detected above Method Reporting Limit.

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

D = Sample diluted during lab analysis

U = Non-detection at the reported detection limit

Analyte Criteria Exceedance Time Series Graphs

NW Drainage Monitoring Wells: Concentration Time Series Graphs

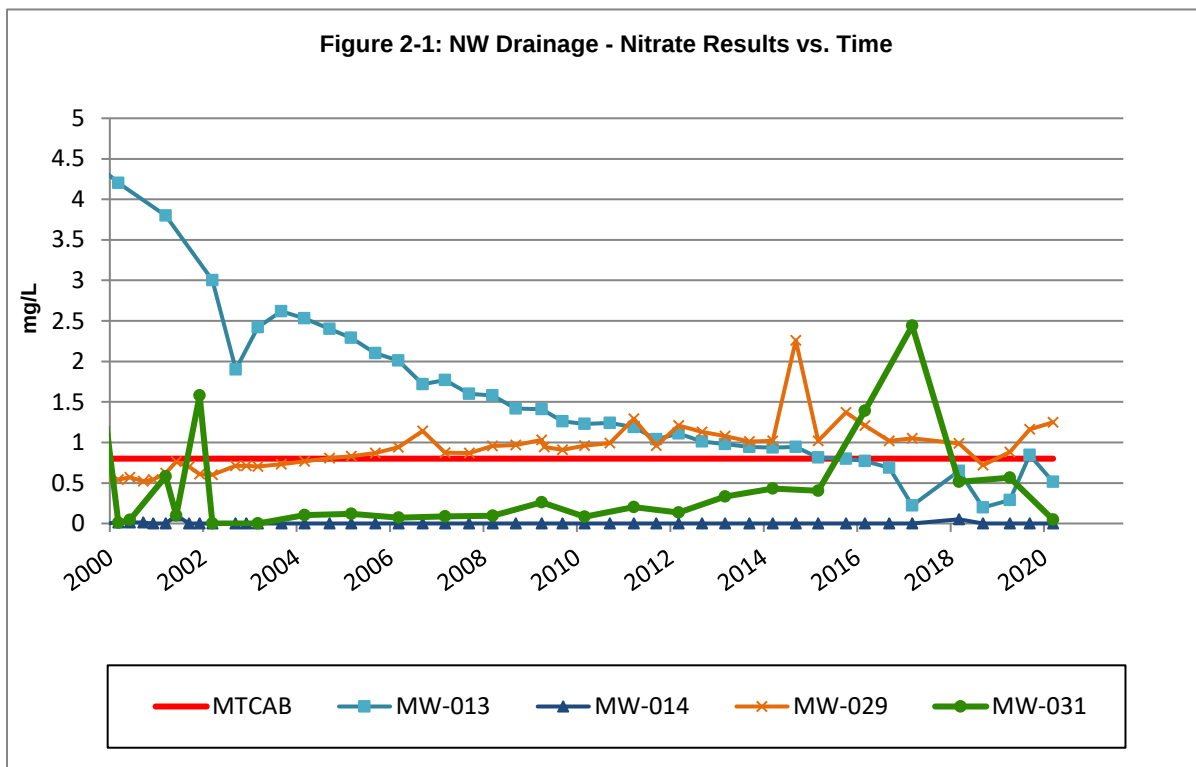


Figure 2-1: Northwest Monitoring Wells Nitrate Concentrations vs. Time

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

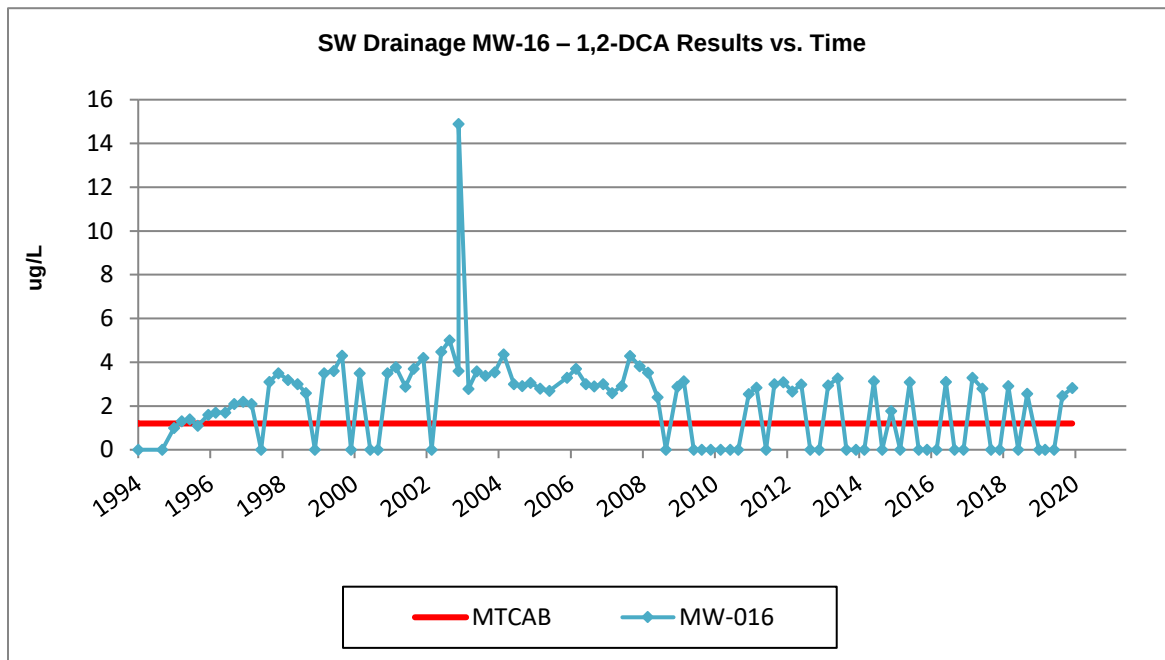


Figure 2-2: SW Monitoring Well MW-16 1,2-DCA Concentrations vs. Time

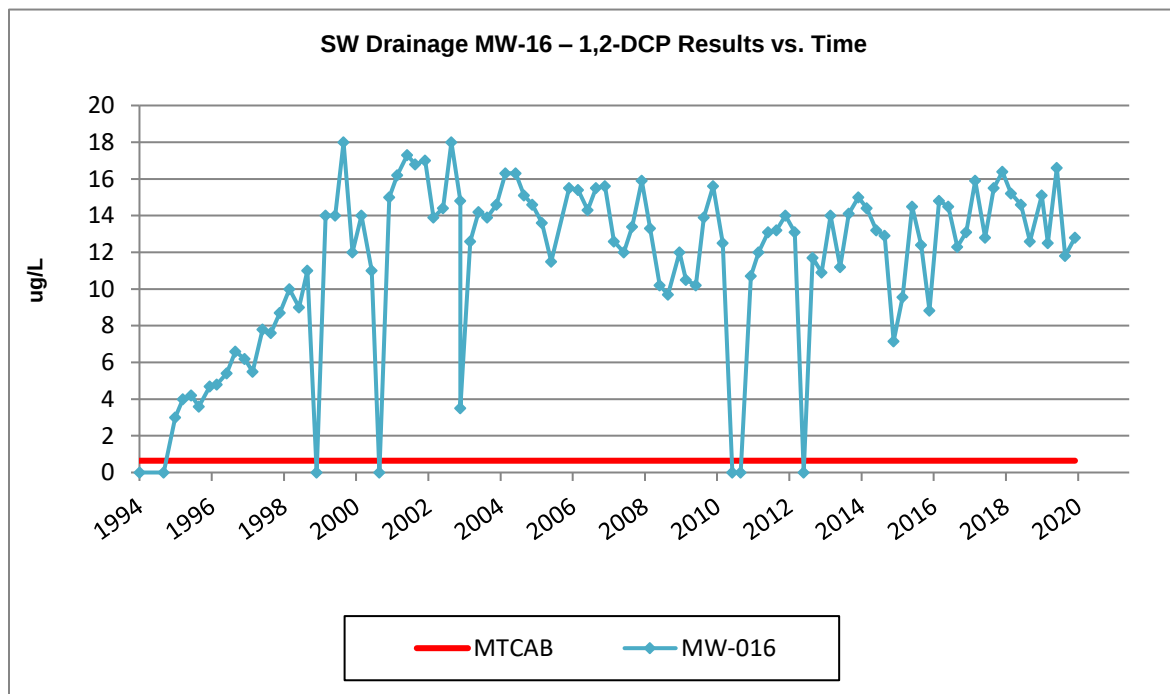


Figure 2-3: SW Monitoring Well MW-16 1,2-DCP Concentrations vs. Time

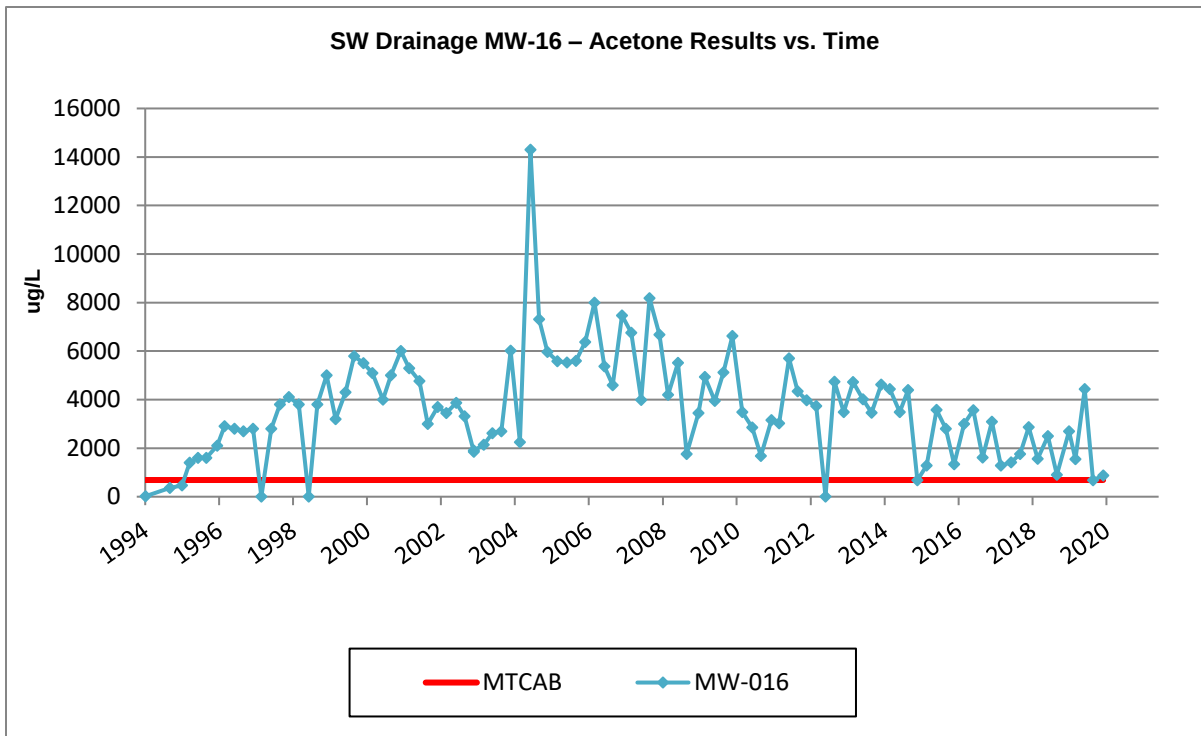


Figure 2-4: SW Monitoring Well MW-16 Acetone Results vs. Time

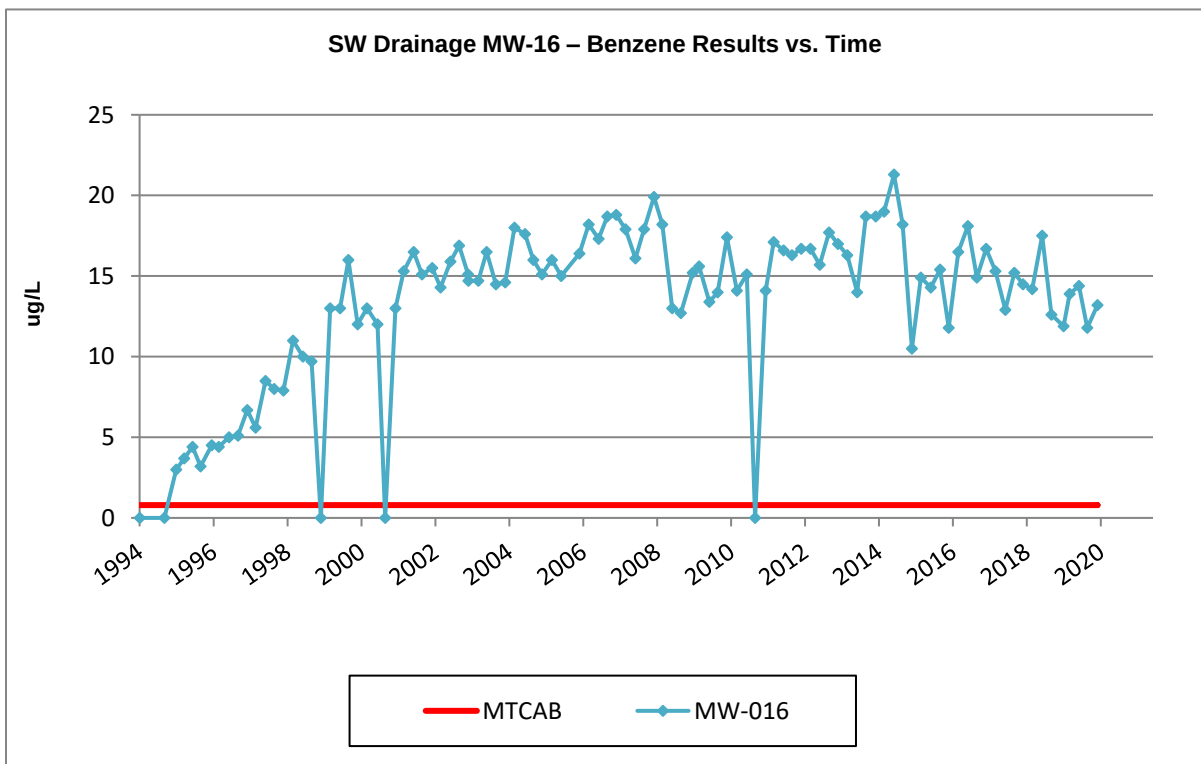


Figure 2-5: SW Monitoring Well MW-16 Benzene Results vs. Time

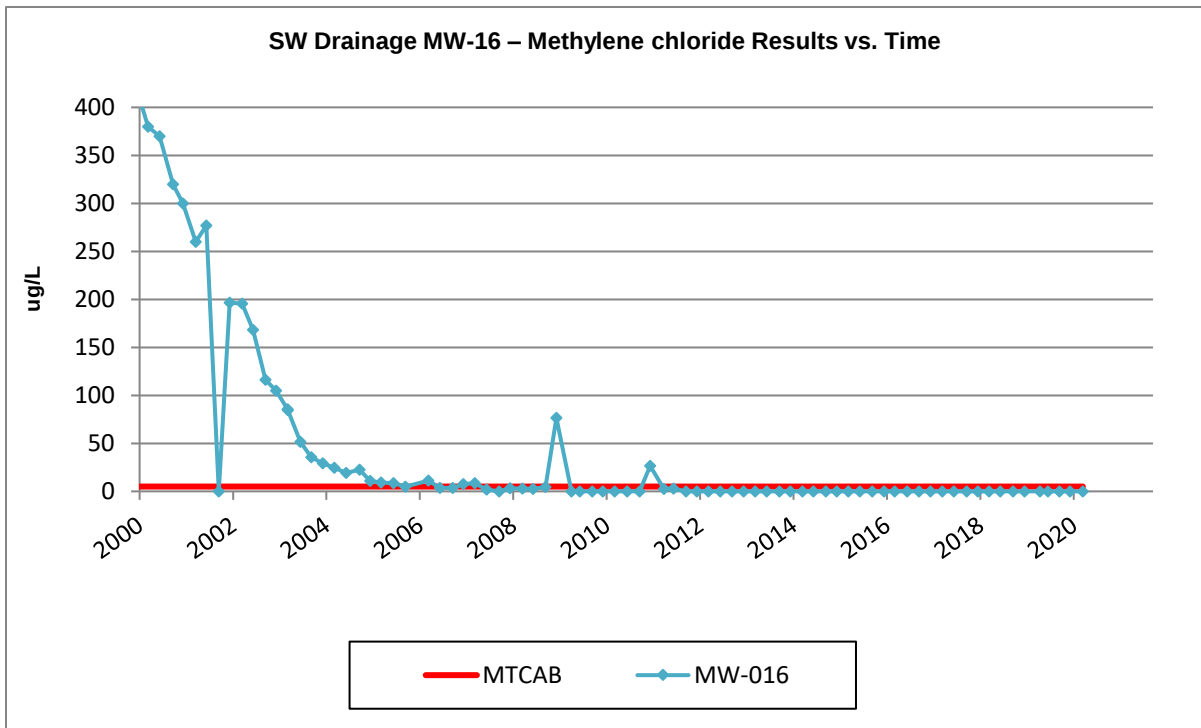


Figure 2-6: SW Monitoring Well MW-16 MC Results vs. Time

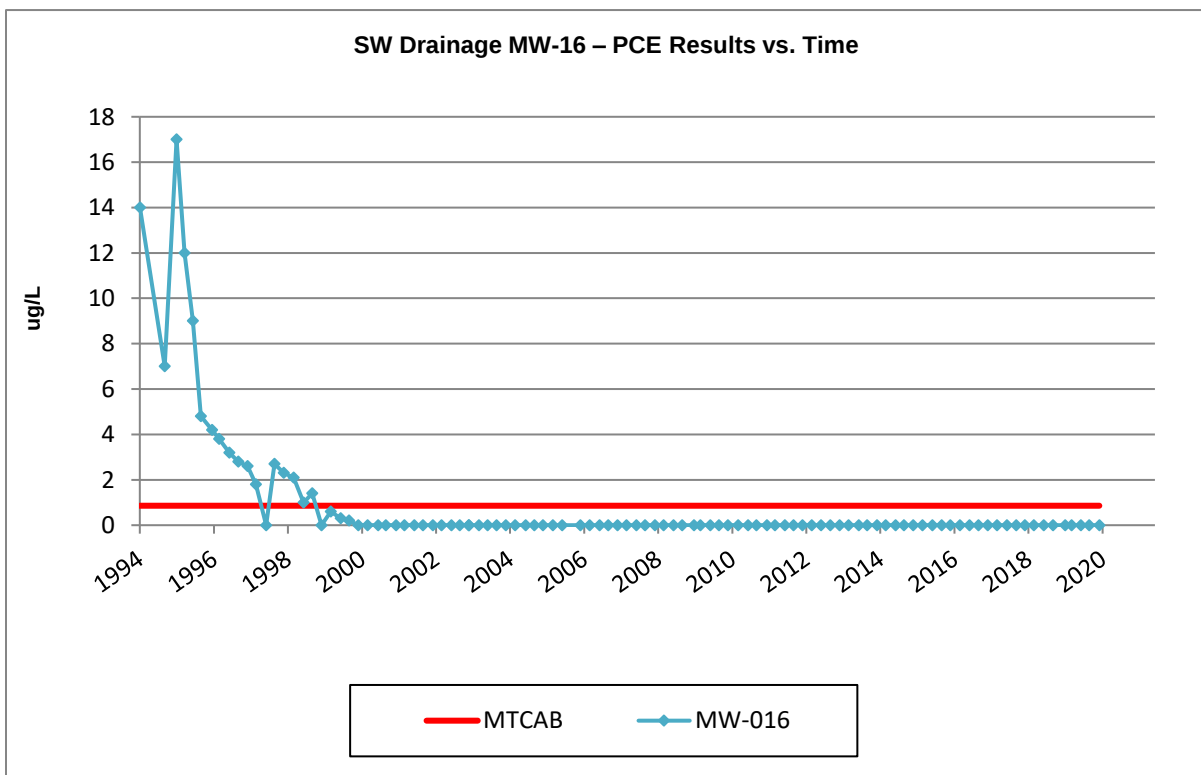


Figure 2-7: SW Monitoring Well MW-16 PCE Results vs. Time

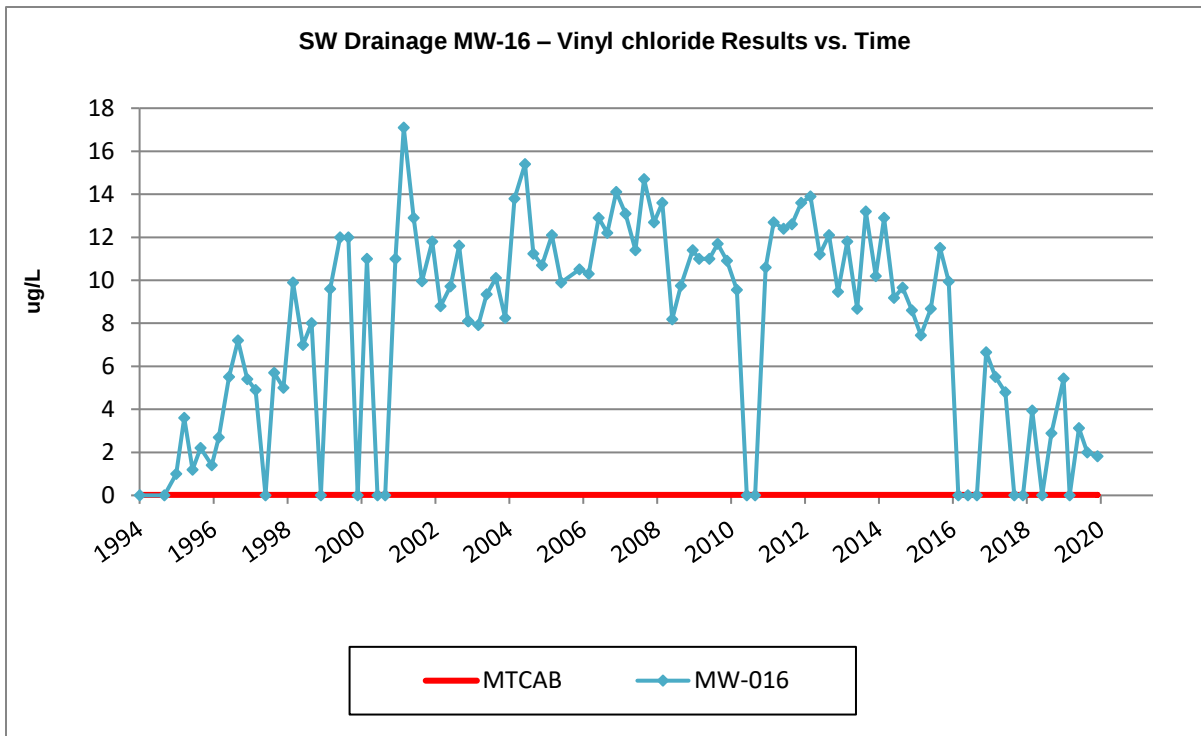


Figure 2-8: SW Monitoring Well MW-16 VC Results vs. Time

SW MW-16 Monitoring Well: Inorganic Concentrations Time Series Graphs

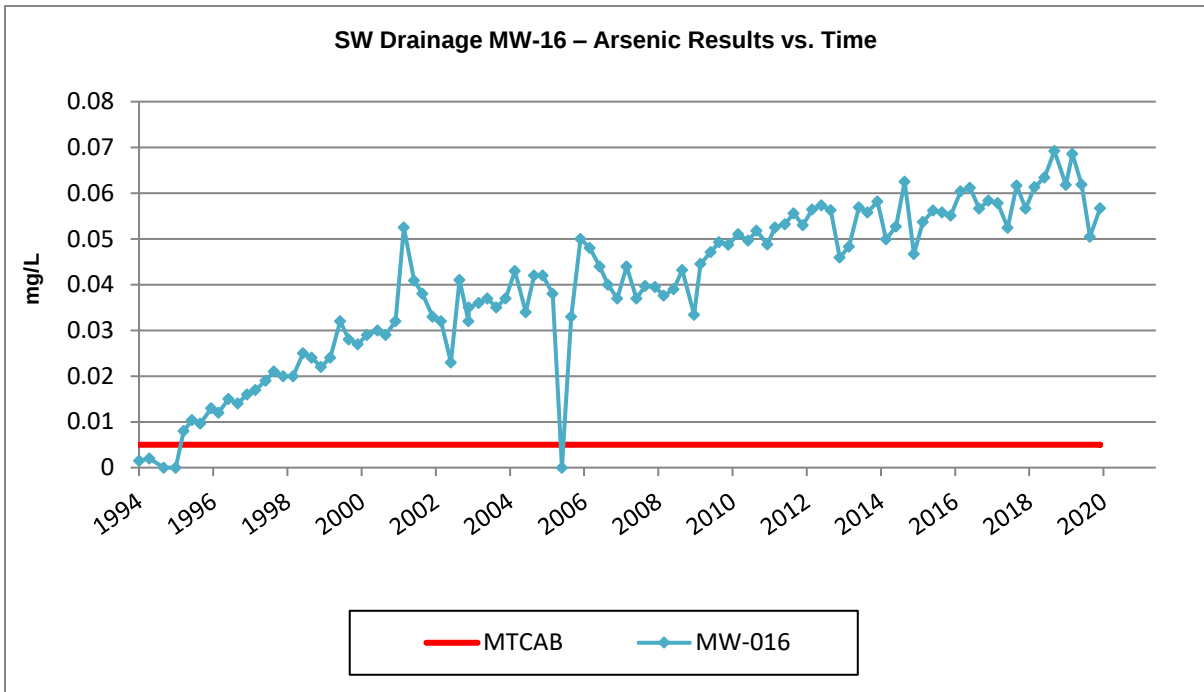


Figure 2-9: SW Monitoring Well MW-16 Arsenic Results vs. Time

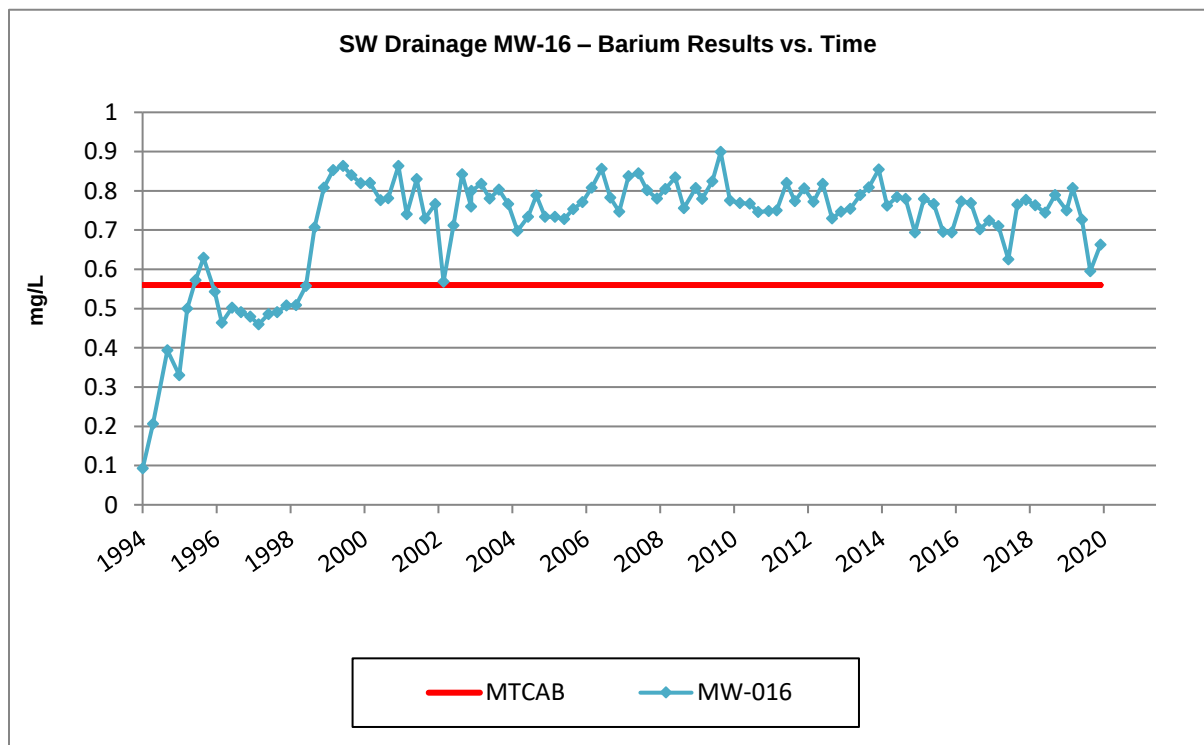


Figure 2-10: SW Monitoring Well MW-16 Barium Results vs. Time

South Drainage Wells: Inorganic Concentrations Time Series Graphs

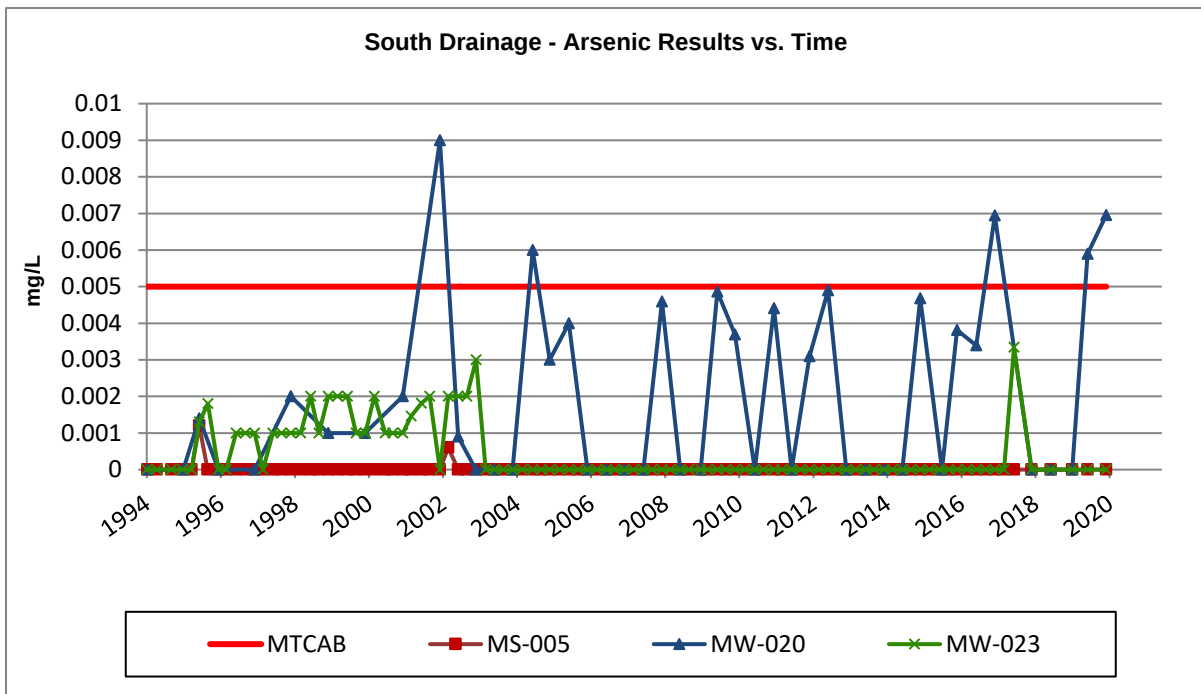


Figure 2-11: South Drainage Monitoring Wells Arsenic Results vs. Time

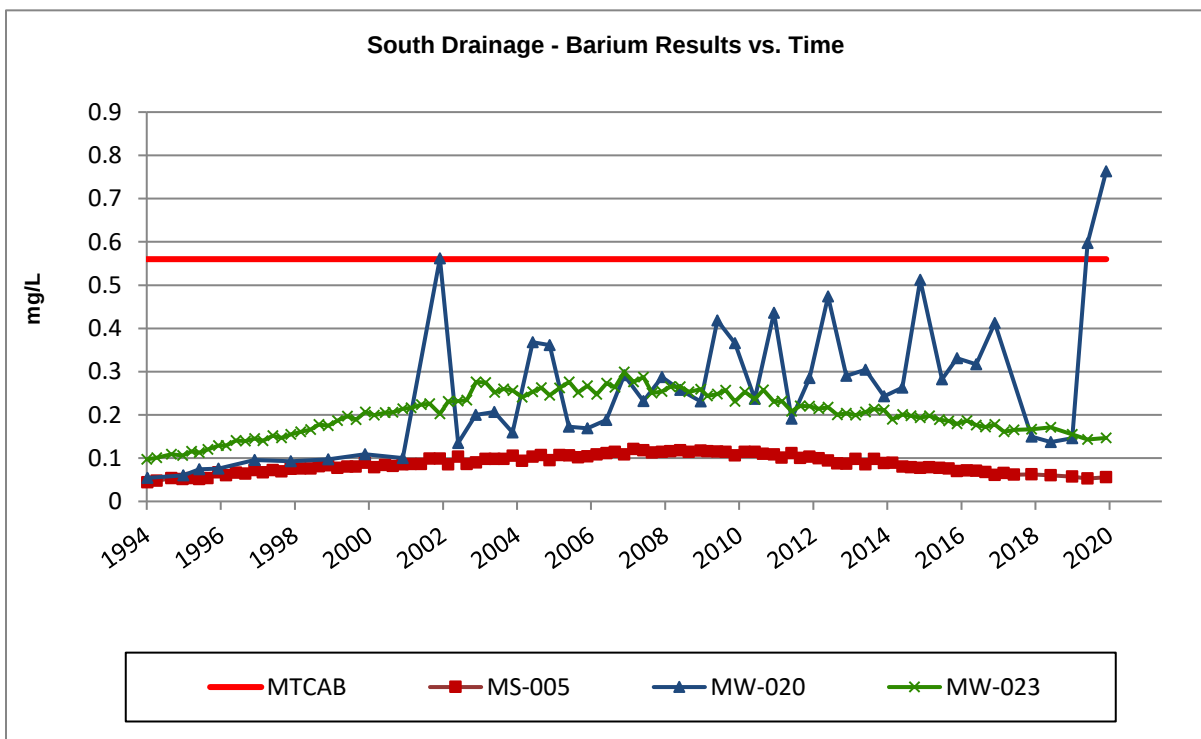


Figure 2-12: South Drainage Monitoring Wells Barium Results vs. Time

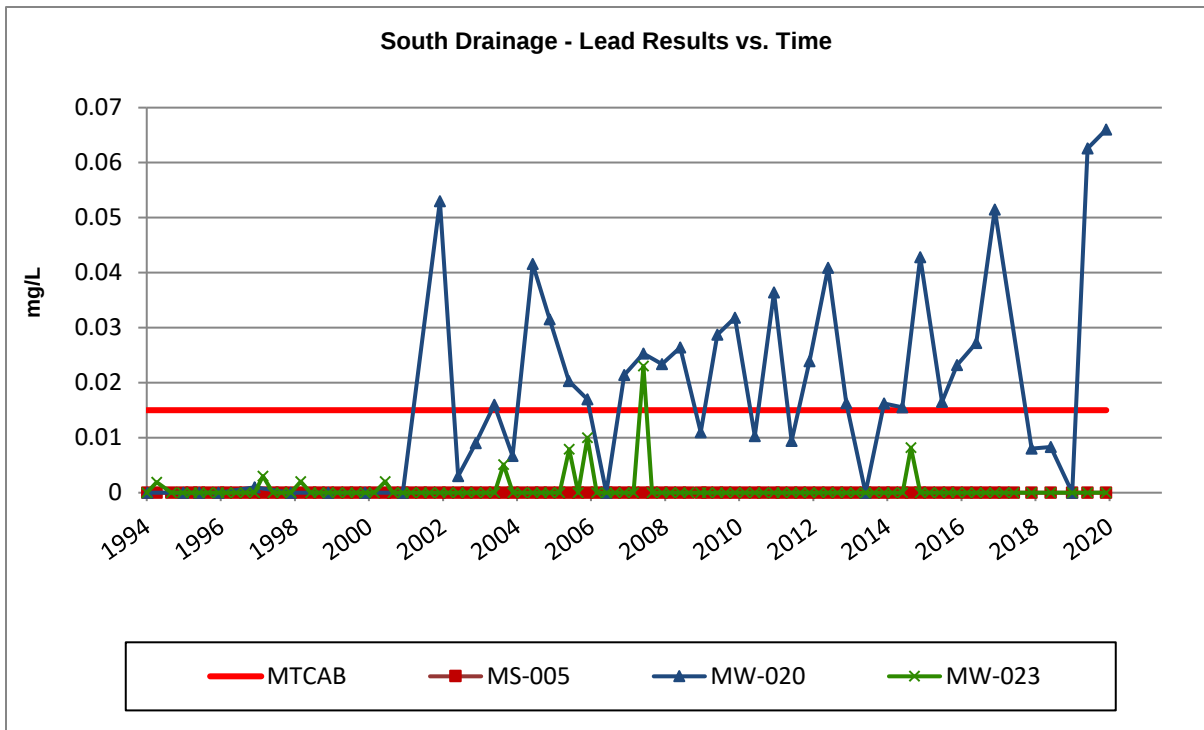


Figure 2-13: South Drainage Monitoring Wells Lead Results vs. Time

South Drainage Wells: Conventional Concentrations Time Series Graphs

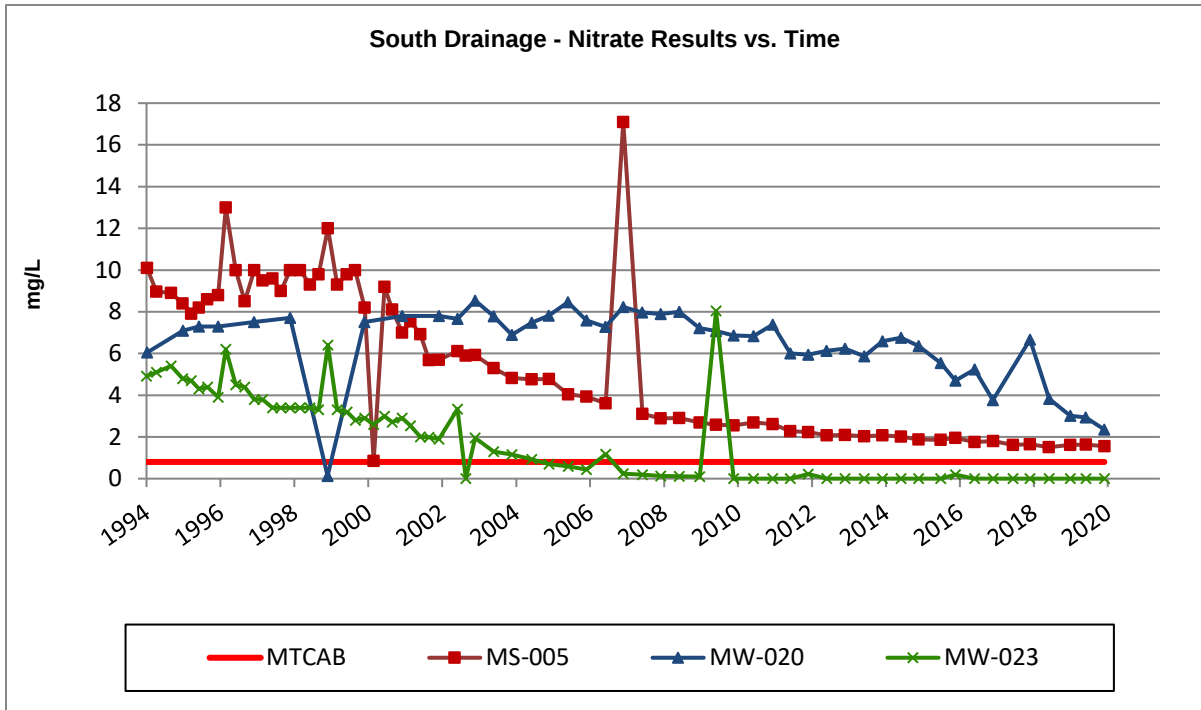


Figure 2-14: South Drainage Monitoring Wells Nitrate Results vs. Time

SE Drainage Wells: Conventional Concentrations Time Series Graphs

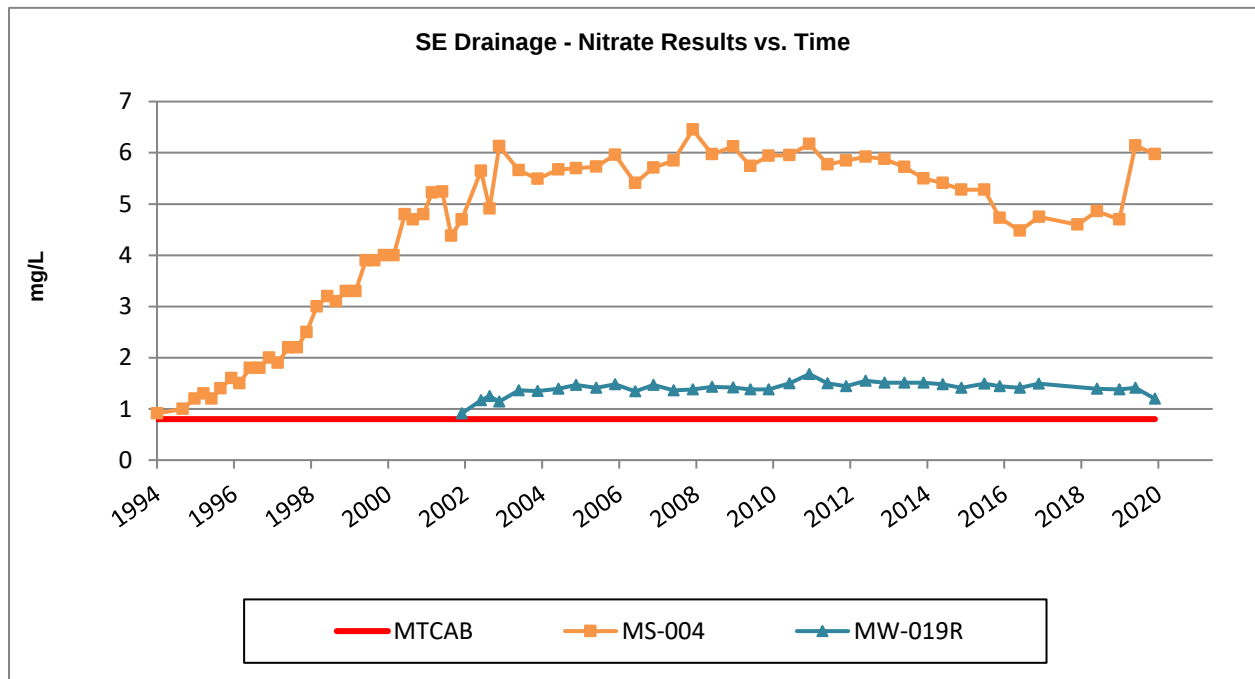


Figure 2-15: Southeast Monitoring Wells Nitrate Results vs. Time

Domestic Wells: Inorganics Concentrations Time Series Graphs

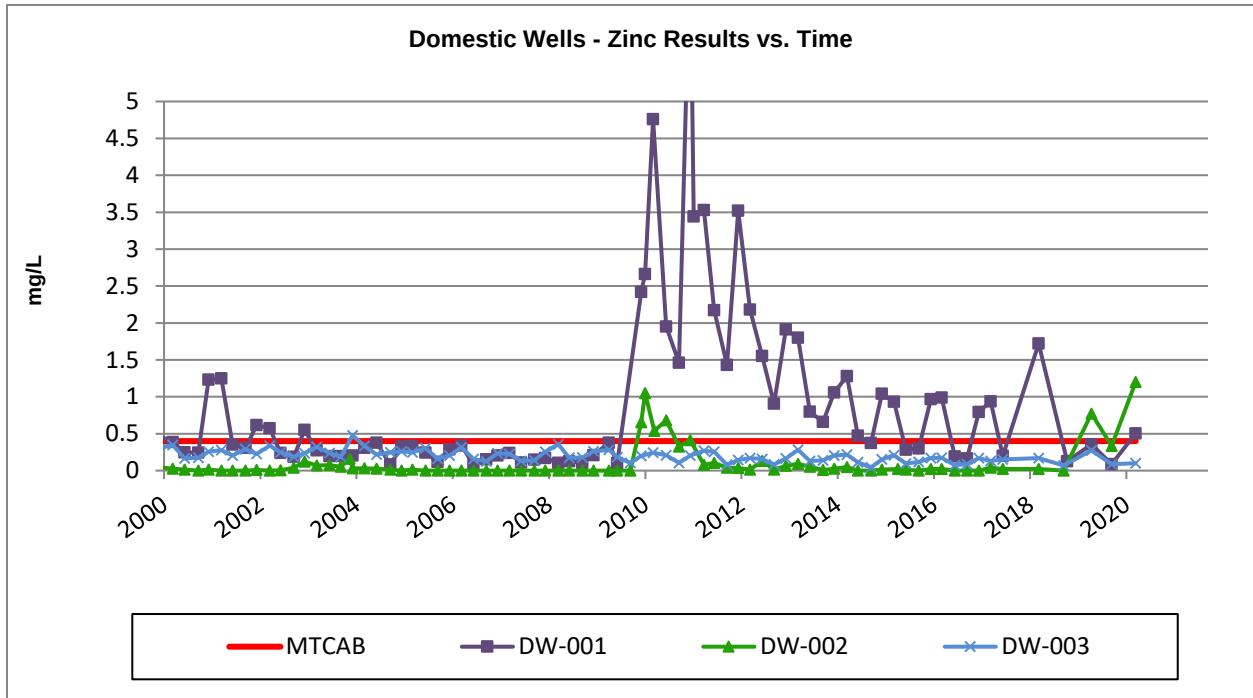


Figure 2-16: Domestic Wells Zinc Results vs. Time

Domestic Wells: Conventional Concentrations Time Series Graphs

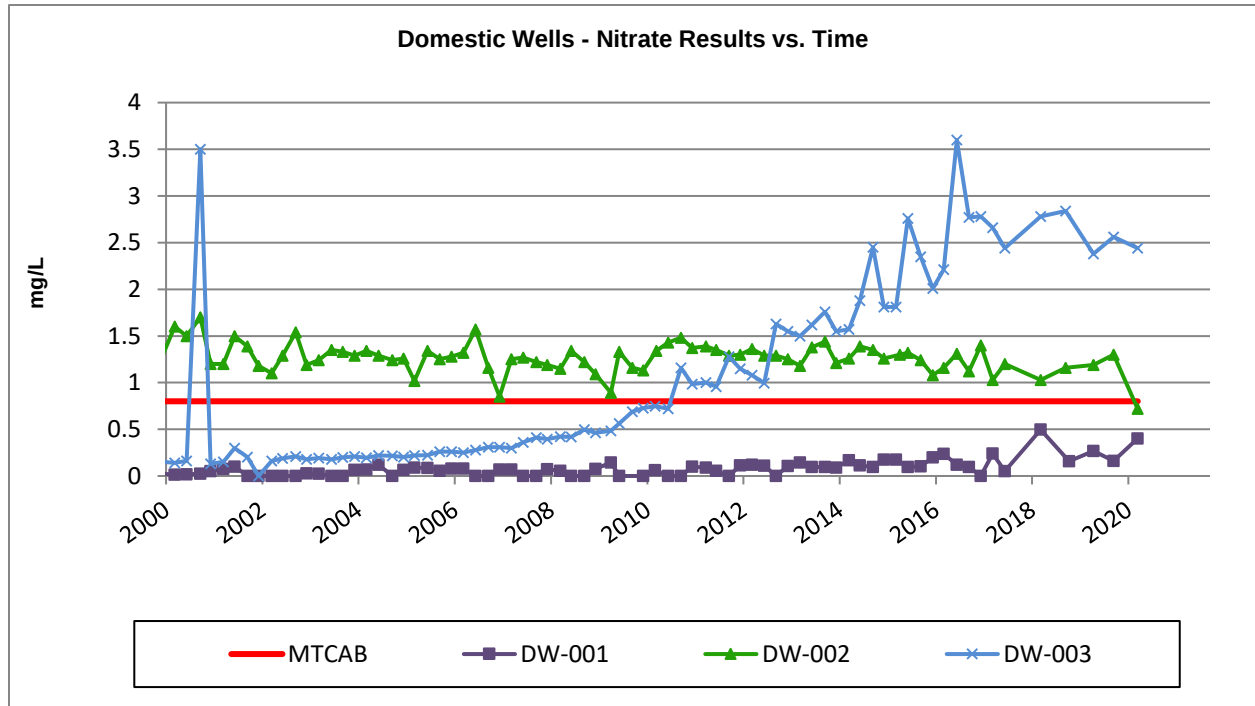


Figure 2-17: Domestic Wells Nitrate Results vs. Time

3 LEACHATE

3.1 LEACHATE DATA

The Mica Landfill Wastewater Permit leachate sampling schedule was changed from June and December sampling events to the months of April and October. Monitoring of flow and pH was performed during this reporting period on a monthly basis. In October, leachate was sampled and analyzed for BTEX. Results from this analysis were below criteria. See the Discharge Monitoring Reports in Appendix C.

3.2 LEACHATE PRODUCTION

Monthly leachate production rates are presented in Table 3-1 along with local precipitation amounts. The total amount of leachate generated at the Mica Landfill from October 2019 through March 2020 was estimated at 2.6 million gallons.

Table 3-1 Leachate Production Summary

Month	Leachate Volume (gal)	Precipitation (inches)
Oct-19	32,045	1.63
Nov-19	57,054	0.83
Dec-19	267,365	2.95
Jan-20	1,211,188	3.34
Feb-20	794,634	1.4
Mar-20	300,893	1.12
Total	2,663,179	11.27

APPENDIX A DATA VALIDATION SUMMARY

Analytical data for the December 2019/March 2020 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 2019/March 2020 Sampling Results

StationID	SampleDate	Analyte	AnalyteCat	Units	SampleID	AnalyticalRptLimit	Result	Qualifier

D = Sample diluted during lab analysis

U = Non-detection at the reported detection limit

J = Analyzed value is qualified as an estimate.

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

APPENDIX B GROUNDWATER SAMPLING FIELD SHEETS

SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2019

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

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

SHIPPING CO: UPS
SHIPPING # 98117E
OF COOLERS: 1

DATE: 12-3-19
PAGE 1 **OF** 1

PARAMETERS: METHOD: BOTTLES: LAB: PRESERVATION:			VOLATILES	SEMI VOLATILES	SAMPLERS: KM		
			8260B	BEHP			
			8270C				
			3-40 ml. VOA'S	1 LITER AMBER GLASS			
			ANATEK LAB	ANATEK LAB	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
HCl pH<2	UNPRESERVED						
SAMPLE IDENTIFICATION	DATE	TIME					
GW-MW-016-191203	12-3-19	1240	X		3	131S	
MWS-2-1-191203	12-3-19		X		2	131S	Trip blanks

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

RELINQUISHED BY: Kevin McClarty SIGNATURE: <i>[Signature]</i> PRINT NAME: COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE		RECEIVED BY: SIGNATURE: PRINT NAME: COMPANY:	
DATE: 12-3-19 TIME: 1415		DATE: TIME:	

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2019**

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

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

SHIPPING CO: UPS
SHIPPING #: 9X8989
NUMBER OF COOLERS: 1

DATE: 12-3-19
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: Kevan McClarty

DATE: 12-3-19
TIME: 1415

RECEIVED BY

SIGNATURE:
PRINT NAME:

DATE: _____
TIME: _____

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

COMPANY:

MICA

QA / QC SAMPLE TIME: _____

METER AND PURGING INFORMATION:

SWL INDICATOR

TOTAL DEPTH OF WELL: 93.92

PACKER DEPTH: 73.00

STATIC WATER LEVEL: 17.50

COLUMN OF WATER: 20.42 176.37'

COLUMN OF WATER ABOVE PACKER: 55.5

COLUMN OF WATER BELOW PACKER: 20.42

CALCULATIONS:

600 PSI

10.5 gallon Purgl

PACKER INFORMATION:

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

PARAMETERS:

(+/- 10%)

(+/- .1)

(+/- 10%)

GAL PURGED / TIME

TEMP

pH

CONDUCTIVITY

APPEARANCE

3.5 - 1218

10.7

678

2130

Clearish - bad odor

7.0 1229

10.4

6.81

2130

↑ Jewish - bad odor

10.5 1238

10.3

6.82

2150

Cloudy - bad odor

TURBIDITY: 1.1 NTU (meas. In field lab)

Purged water was dumped to the SW Pond.

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GLW-010-191203 SAMPLE TIME: 1240

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	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	
PRESERVATION:	HCl pH<2 14 DAYS	UNPRESERVED 7 DAYS TO	H2SO4 pH<2 28 DAYS	H2SO4 pH<2 28 DAYS	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2 6 MONTHS	
HOLDING TIME:	8260B	8270	415.1	350.1	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	7060A / 6010B / 7470A	
METHODS:					300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1		
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	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 POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH <2	HCl pH<2	HCl pH<2	UNPRESERVED	UNPRESERVED	UNPRESERVED	NAOH pH <2	HNO3 pH<2
HOLDING TIME:	14 DAYS	14 DAYS	14 DAYS	7 DAYS	7 DAYS	7 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	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL

COMMENTS:

SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2020

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

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

SHIPPING CO: UPS
SHIPPING #: K2735219437
NUMBER OF COOLERS: 2 E9428

DATE: 3/11/2020
PAGE 1 OF 2

PARAMETERS:		MONITORING				RESIDENTIAL		SAMPLERS:		
		TOC	AMMONIA	Cl / SO4 / TDS NO3 / ALKALINITY	Cl / SO4 / NO3 ALKALINITY	METALS (As / Ba / Pb / Hg Mn / V / Zn)		G. Fiset		
		415.1	350.1	300.0/300.0/160.1 300.0 / 2320 B	300.0/300.0/ 300.0 2320B	7060A / 6010B / 7470A		K. McLarty		
		1-40 ml. VOC	1-500 ml POLY BOTTLE	1-500 ml POLY BOTTLE	1-500 ml. POLY BOTTLE	1-500 ml. POLY BOTLE		M. Terris		
		SVL	SVL	SVL	SVL	SVL				
LAB:		H2SO4 pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph<2 (NOT FILTERED)		COOLER NUMBER	NUMBER BOTTLES	COMMENTS
PRESERVATION:										
SAMPLE IDENTIFICATION		DATE	TIME							
GWDW-001-200311		3/11/20	0820	X	X		X	13	4	
GWDW-002-200311			1031	X	X		X	15	4	
GWDW-003-200311			0943	X	X		X	13	4	
GWMW-004-200311			1223	X	X	X	X	15	4	
GWMW-009-200311			1030	X	X	X	X	15	4	
GWMW-010-200311			0950	X	X	X	X	15	4	
GWMW-013-200311			1203	X	X	X	X	13	4	
GWMW-014-200311			0846	X	X	X	X	13	4	
GWMW-019R-200311			1330	X	X	X	X	15	4	
GWMW-020-200311			1200	X	X	X	X	15	4	
GWMW-029-200311		✓	1355	X	X	X	X	13	4	

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

RELINQUISHED BY

SIGNATURE

PRINT NAME:

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: 3/11/2020

TIME: 1530

RECEIVED BY

SIGNATURE:

PRINT NAME:

COMPANY:

DATE:

TIME:

ALL TOC'S ARE IN COOLER #13

**SPOKANE COUNTY CHAIN OF CUSTODY FOR GROUNDWATER SAMPLES
MICA LANDFILL COMPLIANCE MONITORING PROGRAM
2020**

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

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

SHIPPING CO:
SHIPPING # :
NUMBER OF COOLERS:

DATE:
PAGE 2 OF 2

PARAMETERS:			MONITORING				RESIDENTIAL		SAMPLERS:		
			TOC	AMMONIA	CI / SO4 / TDS NO3 / ALKALINITY	CI / SO4 / NO3 ALKALINITY	METALS (As / Ba / Pb / Hg Mn / V / Zn)				
METHOD:			415.1	350.1	300.0/300.0/160.1 300.0 / 2320 B	300.0/300.0/ 300.0 2320B	7060A / 6010B / 7470A				
BOTTLES:			1-40 ml. VOC	1-500 ml POLY BOTTLE	1-500 ml POLY BOTTLE	1-500 ml. POLY BOTTLE	1-500 ml. POLY BOTLE				
LAB:			SVL	SVL	SVL	SVL	SVL				
PRESERVATION:			H2SO4 pH < 2	H2SO4 pH < 2	UNPRESERVED	UNPRESERVED	HN03 Ph< 2 (NOT FILTERED)	COOLER NUMBER	NUMBER BOTTLES	COMMENTS	
SAMPLE IDENTIFICATION			DATE	TIME							
GWMW-031-200311			3/11/20	0934	X	X	X	X	15	4	
MWS-1-2-200311			3/11/20	1100	X	X	X	X	13	4	

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

RELINQUISHED BY:		RECEIVED BY:	
SIGNATURE: 	DATE: 3/11/2020	SIGNATURE:	DATE:
PRINT NAME: MIKE STERRIS	TIME: 1530	PRINT NAME:	TIME:
COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE		COMPANY:	

ALL TOC SAMPLE ARE IN COOLER #13

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

SHIPPING CO: UPS
SHIPPING #: KA73521949
NUMBER OF COOLERS: 1

DATE: 3/12/2020
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. TERRY

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: 3/12/2020

TIME: 1400

RECEIVED BY

SIGNATURE:

PRINT NAME:

COMPANY:

DATE:

TIME:

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

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

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

SHIPPING CO: UPS
SHIPPING # 1K2735219373/ 9400
OF COOLERS: 2
DATE: 3/12/2020
PAGE 2 OF 2

PARAMETERS:			VOLATILES	SEMI VOLATILES BEHP	SAMPLERS: G. Fiset K. MCCARTY M. TERRIS		
METHOD:			8260C	8270D			
BOTTLES:			3-40 ml. VOA'S	1 LITER AMBER GLASS			
LAB:			ANATEK LAB	ANATEK LAB			
PRESERVATION:			HCl pH<2	UNPRESERVED	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME					
GWMW-031-200311	3/11	0934	XXXXXX XXXXXX XXXXXX	XX		14	
MWS-1-2-200311	↓	1100				8/14	
GWMS-005-200312	3/12	0939				14	MS/MSD
GWMW-016-200312	↓	1000				14	
GWMW-023-200312		1007				14	
MWS-1-1-200312		1017				14	
MWS-2-1-200312	↓	-			14	TRIP-BLANK	

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

RELINQUISHED BY:	RECEIVED BY:
SIGNATURE: <i>Mike Terris</i>	SIGNATURE:
DATE: 3/12/2020	DATE:
PRINT NAME: MIKE TERRIS	PRINT NAME:
TIME: 1400	TIME:
COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE	COMPANY:

*ALL VOC'S ARE IN COOLER #14 *

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

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

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

SHIPPING CO: UPS
SHIPPING # K 9135219393
OF COOLERS: 2 89400

DATE: 3/12/2020
PAGE 1 OF 2

PARAMETERS: METHOD: BOTTLES: LAB: PRESERVATION:			VOLATILES	SEMI VOLATILES	SAMPLERS: G. Fisette K. MCCARTY M. TERRIS		
			8260C	BEHP 8270D			
			3-40 ml. VOA'S	1 LITER AMBER GLASS			
			ANATEK LAB	ANATEK LAB			
			HCl pH<2	UNPRESERVED	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
SAMPLE IDENTIFICATION	DATE	TIME					
GW DW-001-200311	3/11	0820	X	X	4	8/14	
GW DW-002-200311		1031	X	X	4	8/14	
GW DW-003-200311		0943	X	X	4	8/14	
GW MS-004-200311		1223	X	X	4	8/14	
GW MW-009-200311		1030	X	X	4	8/14	
GW MW-010-200311		0950	X		3	14	
GW MW-013-200311		1203	X		3	14	
GW MW-014-200311		0846	X		3	14	
GW MW-019-200311		1330	X		3	14	
GW MW-020-200311		1200	X		3	14	
GW MW-029-200311	✓	1355	X	X	4	8/14	

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*

PRINT NAME: MIKE S. TERRIS

COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

DATE: 3/12/2020

TIME: 1400

RECEIVED BY:

SIGNATURE:

PRINT NAME:

COMPANY:

DATE:

TIME:

ALL VOC'S ARE IN COOLER #14

MIC ROUNDWATER SAMPLING FIELD ET

DATE: <u>3-11-2020</u>		WELL ID: <u>DW-001</u>		FIELD TEAM: MT, GF, <u>KM</u> , BU																																											
SAMPLE ID: <u>GWDW-001-200311</u>			QA / QC SAMPLE ID: <u>—</u>																																												
FIELD CONDITIONS: <u>Partly cloudy / fair</u> <u>40°F</u>																																															
START TIME: <u>0805</u> SAMPLE TIME: <u>0820</u> QA / QC SAMPLE TIME: <u>—</u> END TIME: <u>0825</u> DEDICATED BLADDER: <u>—</u> DISPOSABLE BAILER: <u>—</u> PRIVATE DOMESTIC WELL: <u>—</u>																																															
METER AND PURGING INFORMATION:																																															
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																												
pH	EXTECH 100	<u>346697</u>	Calibrated to 4, 7 & 10 buffer																																												
CONDUCTIVITY	ECTESTR 11+	<u>46A</u>	Std. to 700 umhos/cm																																												
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU																																												
SWL INDICATOR																																															
TOTAL DEPTH OF WELL: <u>> 300'</u> PACKER DEPTH: <u>—</u> STATIC WATER LEVEL: <u>NO SWL Port</u> COLUMN OF WATER: <u>N/A</u> COLUMN OF WATER ABOVE PACKER: <u>—</u> COLUMN OF WATER BELOW PACKER: <u>—</u>			CALCULATIONS: PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">PARAMETERS:</th> <th>(+/- 10%)</th> <th>(+/- .1)</th> <th>(+/- 10%)</th> <th></th> </tr> <tr> <th>GAL PURGED / TIME</th> <th>TEMP</th> <th>pH</th> <th>CONDUCTIVITY</th> <th colspan="2">APPEARANCE</th> </tr> <tr> <td><u>0810</u></td> <td><u>11.1</u></td> <td><u>6.91</u></td> <td><u>360</u></td> <td colspan="2"><u>Clear</u></td> </tr> <tr> <td><u>0815</u></td> <td><u>11.0</u></td> <td><u>6.90</u></td> <td><u>358</u></td> <td colspan="2"><u>Clear</u></td> </tr> <tr> <td><u>0820</u></td> <td><u>11.0</u></td> <td><u>6.89</u></td> <td><u>361</u></td> <td colspan="2"><u>Clear</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td colspan="2"> </td> </tr> <tr> <td colspan="3"> </td> <td colspan="3">TURBIDITY: <u>4.90</u> NTU (meas. in field lab)</td> </tr> </table>						PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE		<u>0810</u>	<u>11.1</u>	<u>6.91</u>	<u>360</u>	<u>Clear</u>		<u>0815</u>	<u>11.0</u>	<u>6.90</u>	<u>358</u>	<u>Clear</u>		<u>0820</u>	<u>11.0</u>	<u>6.89</u>	<u>361</u>	<u>Clear</u>											TURBIDITY: <u>4.90</u> NTU (meas. in field lab)		
PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)																																											
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																											
<u>0810</u>	<u>11.1</u>	<u>6.91</u>	<u>360</u>	<u>Clear</u>																																											
<u>0815</u>	<u>11.0</u>	<u>6.90</u>	<u>358</u>	<u>Clear</u>																																											
<u>0820</u>	<u>11.0</u>	<u>6.89</u>	<u>361</u>	<u>Clear</u>																																											
			TURBIDITY: <u>4.90</u> NTU (meas. in field lab)																																												

COMMENTS:

Purged for 15 minutes to clear Lines before Sampling

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWDW-001-200311

SAMPLE TIME: 0820

QA / QC SAMPLE ID: _____

QA / QC SAMPLE TIME: _____

GROUNDWATER SAMPLES		MONITORING WELLS RESIDENTIAL WELLS					
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2 14 DAYS	UNPRESERVED 7 DAYS TO	H2SO4 pH<2 28 DAYS	H2SO4 pH<2 28 DAYS	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2 6 MONTHS
HOLDING TIME:	8260C	8270	415.1	350.1	28 DAYS / 28 DAYS 300.0 / 300.0 / 160.1 300.0 / 310.1	28 DAYS / 48 HRS	7060A / 6010B / 7470A
METHODS:							
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 EPA 624	14 DAYS EPA 1664A	14 DAYS EPA 1664A SGT HEM	7 DAYS EPA 608 EPA 625 (SVOC'S)	7 DAYS SM 5210B	7 DAYS	14 DAYS	14 DAYS	6 MONTHS
METHODS:						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:

MICROGROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3-11-2020</u>		WELL ID: <u>DW-002</u>		FIELD TEAM: <u>MT, GF, KM, BU</u>	
SAMPLE ID: <u>GW DW-002-180307</u>			QA / QC SAMPLE ID: <u>—</u>		
FIELD CONDITIONS: <u>Fair 43°F</u>					
START TIME: 1010 <u>1010</u> SAMPLE TIME: <u>1031</u> QA / QC SAMPLE TIME: <u>—</u> END TIME: <u>1035</u> DEDICATED BLADDER: <u>—</u> DISPOSABLE BAILER: <u>—</u> PRIVATE DOMESTIC WELL: <u>*</u>					
METER AND PURGING INFORMATION:					
METER		MAKE / MODEL		SERIAL NO.	
pH		EXTECH 100		340697	
CONDUCTIVITY		ECTESTR 11+		46A	
TURBIDITY		Hach 2100P		#020100024957	
SWL INDICATOR					
TOTAL DEPTH OF WELL: <u>—NA—</u> PACKER DEPTH: <u>—</u> STATIC WATER LEVEL: <u>SWL Port blocked</u> COLUMN OF WATER: <u>—</u> COLUMN OF WATER ABOVE PACKER: <u>—</u> COLUMN OF WATER BELOW PACKER: <u>—</u>				CALCULATIONS: PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)	
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME		TEMP	pH	CONDUCTIVITY	APPEARANCE
1015		11.2	7.20	330	Clear
1020		11.1	7.04	329	Clear
1025		11.1	7.02	330	Clear
1030		11.0	7.02	331	Clear
				TURBIDITY: <u>0.21</u> NTU (meas. In field lab)	

*Purged well 15 min. before sampling

COMMENTS:

• I Took 4 Parameter's do to my first pH reading being off.

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWDW-2002-200311 SAMPLE TIME: 1031

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

GROUNDWATER SAMPLES		MONITORING WELLS						RESIDENTIAL WELLS	
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn		
CONTAINERS:	3-40 ml VOLATILES	1 LITER AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE		
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2		
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	6 MONTHS		
METHODS:	8260C	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 60108 / 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,Mn 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 BOTTL
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:

MIC/ ROUNDWATER SAMPLING FIELD SET

DATE: <u>3-11-2020</u>		WELL ID: <u>DW-003</u>		FIELD TEAM: MT, GF, <u>KM</u> , BU	
SAMPLE ID: <u>GWDW-003-200311</u>			QA / QC SAMPLE ID: <u> </u>		
FIELD CONDITIONS: <u>Partly Cloudy / Fair 41° F</u>					
START TIME: <u>Pump on @ 0928</u> SAMPLE TIME: <u>0943</u> QA / QC SAMPLE TIME: <u> </u> END TIME: <u>0945</u> DEDICATED BLADDER: <u> </u> DISPOSABLE BAILER: <u> </u> PRIVATE DOMESTIC WELL: <u>* </u>					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>3466 97</u>	Calibrated to 4, 7 & 10 buffer		
CONDUCTIVITY	ECTESTR 11+	<u>461A</u>	Std. to 700 umhos/cm		
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU		
SWL INDICATOR					
TOTAL DEPTH OF WELL: <u>200.0'</u> PACKER DEPTH: <u>5.20 km N/A</u> STATIC WATER LEVEL: <u>5.20</u> COLUMN OF WATER: <u> </u> COLUMN OF WATER ABOVE PACKER: <u> </u> COLUMN OF WATER BELOW PACKER: <u> </u>			CALCULATIONS: PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)		
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
<u>0933</u>	<u>10.9</u>	<u>7.20</u>	<u>353</u>	<u>Clear</u>	
<u>0938</u>	<u>10.8</u>	<u>7.21</u>	<u>352</u>	<u>Clear</u>	
<u>0942</u>	<u>10.8</u>	<u>7.21</u>	<u>353</u>	<u>Clear</u>	
			TURBIDITY: <u>0.74</u> NTU (meas. In field lab)		

COMMENTS: * Purged well 15 min before sampling

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWDW-003-200311

SAMPLE TIME: 0943

QA / QC SAMPLE ID: _____

QA / QC SAMPLE TIME: _____

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

LEACHATE SAMPLES	
PARAMETERS:	

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 ROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3-11-2020</u>		WELL ID: <u>MS-4</u>		FIELD TEAM: MT, GF, <u>KM</u> , BU	
SAMPLE ID: <u>GWMS-004-200311</u>			QA / QC SAMPLE ID: <u> </u>		
FIELD CONDITIONS: <u>Partly Cloudy 45°F</u>					
START TIME: <u>1120 1220</u>		DEDICATED BLADDER: <u> </u>			
SAMPLE TIME: <u>1223</u>		DISPOSABLE BAILER: <u>*</u>			
QA / QC SAMPLE TIME: <u> </u>		PRIVATE DOMESTIC WELL: <u> </u>			
END TIME: <u>1230</u>					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>3416697</u>	Calibrated to 4, 7 & 10 buffer		
CONDUCTIVITY	ECTESTR 11+	<u>46A</u>	Std. to 700 umhos/cm		
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std. to 4.02, 39.4, and 331 NTU		
SWL INDICATOR					
TOTAL DEPTH OF WELL: <u>32.0°</u>			CALCULATIONS: $25.15 \times .17 = 4.2 \text{ gal} = 0$ PACKER INFORMATION: $\text{COW} \times .433 \times 1.25 + 30 = \text{PACKER INFLATION (PSI)}$		
PACKER DEPTH: <u> </u>					
STATIC WATER LEVEL: <u>6.85</u>					
COLUMN OF WATER: <u>25.15</u>					
COLUMN OF WATER ABOVE PACKER: <u> </u>					
COLUMN OF WATER BELOW PACKER: <u> </u>					
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
<u>1.5 gal / 1126</u>	<u>9.2</u>	<u>7.12</u>	<u>331</u>	<u>Clear</u>	
<u>3.0 gal / 1132</u>	<u>9.2</u>	<u>7.10</u>	<u>332</u>	<u>Clear</u>	
<u>4.2 gal / 1138</u>	<u>9.3</u>	<u>7.13</u>	<u>334</u>	<u>Clear</u>	
<u>Final / 1220</u>	<u>9.2</u>	<u>7.14</u>	<u>335</u>		
			TURBIDITY: <u>1.69</u>	NTU (meas. In field lab)	

COMMENTS: MW21 - 6.00' MW17 → 9.34 *Purged to intake around 1138 - let recharge and took final Parameter at 1220 before sampling

MW18 → 15.85

MS 6 → 15.80

MICAFIELDST

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMS-004-200311 SAMPLE TIME: 1223

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

GROUNDWATER SAMPLES		MONITORING WELLS RESIDENTIAL WELLS									
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn				
CONTAINERS:	3-40 ml VOLATILES	1 LITER AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE				500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2				6 MONTHS
HOLDING TIME:	14 DAYS	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS					
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				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:

MICROGROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/11/2020</u>		WELL ID: <u>MW-9</u>		FIELD TEAM: <u>MT, GF, KM, BU</u>	
SAMPLE ID: <u>GWMW-009-200311</u>			QA / QC SAMPLE ID: <u>MWS-1-2-200311</u>		
FIELD CONDITIONS: <u>P CLOUDY VERY LIGHT SW WIND 38°F</u>					
START TIME: <u>1003</u> SAMPLE TIME: <u>1030</u> QA / QC SAMPLE TIME: <u>1100</u> END TIME: <u>1044</u> DEDICATED BLADDER: <u>X</u> DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: _____					
METER AND PURGING INFORMATION:					
METER		MAKE / MODEL		SERIAL NO.	
pH		EXTECH 100		<u>223464</u>	
CONDUCTIVITY		ECTESTR 11+		<u>248</u>	
TURBIDITY		Hach 2100P		<u>#020100024957</u>	
SWL INDICATOR					
TOTAL DEPTH OF WELL: <u>25.18'</u>			CALCULATIONS: $19.86' \times .17 = 3.38 = 4 \text{ GAL} \times 3 = 12 \text{ GAL}$ PACKER INFORMATION: COW $\times .433 \times 1.25 + 30 = \text{PACKER INFLATION (PSI)}$		
PACKER DEPTH: _____					
STATIC WATER LEVEL: <u>5.32'</u>					
COLUMN OF WATER: <u>19.86'</u>					
COLUMN OF WATER ABOVE PACKER: _____					
COLUMN OF WATER BELOW PACKER: _____					
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME		TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>4 GAL / 1011</u>		<u>7.9</u>	<u>6.61</u>	<u>449</u>	<u>CLEAR</u>
<u>8 GAL / 1020</u>		<u>7.8</u>	<u>6.72</u>	<u>451</u>	<u>CLEAR</u>
<u>12 GAL / 1027</u>		<u>7.8</u>	<u>6.71</u>	<u>448</u>	<u>CLEAR</u>
				TURBIDITY: <u>1.12</u> NTU (meas. in field lab)	

COMMENTS: * DUPE TAKEN HERE
WLE MS-8 = 5.41'

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GNM-009-200311

SAMPLE TIME: 1030

QA / QC SAMPLE ID: MNS-1-2-200311

QA / QC SAMPLE TIME: 1100

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

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/11/2020</u>		WELL ID: <u>MW-10</u>		FIELD TEAM: <u>MT, GF, KM, BU</u>	
SAMPLE ID: <u>GWMW-010-200311</u>			QA / QC SAMPLE ID: <u>- NA -</u>		
FIELD CONDITIONS: <u>P. CLOUDY VERY LT WIND SW 38°F</u>					
START TIME: <u>0920</u> SAMPLE TIME: <u>0950</u> QA / QC SAMPLE TIME: <u>—</u> END TIME: <u>1000</u> DEDICATED BLADDER: <u>X</u> DISPOSABLE BAILER: <u> </u> PRIVATE DOMESTIC WELL: <u> </u>					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>223464</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>63.18'</u> PACKER DEPTH: <u>47.00'</u> STATIC WATER LEVEL: <u>3.61</u> COLUMN OF WATER: <u>3.61 16.18'</u> COLUMN OF WATER ABOVE PACKER: <u>43.39'</u> COLUMN OF WATER BELOW PACKER: <u> </u>			CALCULATIONS: PACKER: $43.39' \times .433 \times 1.25 + 30 = 54 \text{ PSI}$ $16.18' \times 1.17 = 2.75 = 3.00 \text{ GAL} \times 3 = 9 \text{ GAL}$ PACKER INFORMATION: COW $X .433 \times 1.25 + 30 = \text{PACKER INFLATION (PSI)}$		
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
<u>3 GAL / 0929</u>	<u>9.9</u>	<u>6.93</u>	<u>170</u>	<u>CLEAR</u>	
<u>6 GAL / 0939</u>	<u>9.7</u>	<u>6.96</u>	<u>165</u>	<u>CLEAR</u>	
<u>9 GAL / 0949</u>	<u>9.6</u>	<u>6.96</u>	<u>166</u>	<u>CLEAR</u>	
			TURBIDITY: <u>0.31</u> NTU (meas. In field lab)		

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GW-MN-010-200311

SAMPLE TIME: 0950

QA / QC SAMPLE ID: 1

QA / QC SAMPLE TIME: _____

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

LEACHATE SAMPLES	
COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)	

PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mn 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 BOTTL
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:

MIC ROUNDWATER SAMPLING FIELD SET

DATE: <u>3-11-20</u>		WELL ID: <u>MW-13</u>		FIELD TEAM: MT, <u>SF</u> , KM, BU																																											
SAMPLE ID: <u>GWMW-013-2003/1</u>			QA / QC SAMPLE ID: _____																																												
FIELD CONDITIONS: <u>mostly clear, 37°</u>																																															
START TIME: <u>1053</u> SAMPLE TIME: <u>1203</u> QA / QC SAMPLE TIME: <u>NA</u> END TIME: <u>1209</u> DEDICATED BLADDER: ☒ DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: _____																																															
METER AND PURGING INFORMATION:																																															
METER		MAKE / MODEL		SERIAL NO.																																											
pH		EXTECH 100		<u>370571</u>																																											
CONDUCTIVITY		ECTESTR 11+		<u>7810</u>																																											
TURBIDITY		Hach 2100P		#020100024957																																											
SWL INDICATOR		<u>Slope Ind</u>		<u>23474</u>																																											
TOTAL DEPTH OF WELL: <u>84.44</u>			CALCULATIONS: PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI) <u>52psi</u>																																												
PACKER DEPTH: <u>59.0</u>																																															
STATIC WATER LEVEL: <u>18.40</u>																																															
COLUMN OF WATER: _____																																															
COLUMN OF WATER ABOVE PACKER: <u>40.6'</u>																																															
COLUMN OF WATER BELOW PACKER: <u>25.44</u>																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">PARAMETERS:</th> <th>(+/- 10%)</th> <th>(+/- .1)</th> <th>(+/- 10%)</th> <th></th> </tr> <tr> <th>GAL PURGED / TIME</th> <th>TEMP</th> <th>pH</th> <th>CONDUCTIVITY</th> <th>APPEARANCE</th> <th></th> </tr> <tr> <td><u>4.5</u> <u>1117</u></td> <td><u>9.7</u></td> <td><u>6.79</u></td> <td><u>377</u></td> <td><u>Clear</u></td> <td></td> </tr> <tr> <td><u>9.0</u> <u>1141</u></td> <td><u>10.0</u></td> <td><u>6.50</u></td> <td><u>375</u></td> <td><u>Clear</u></td> <td></td> </tr> <tr> <td><u>13.5</u> <u>1201</u></td> <td><u>10.0</u></td> <td><u>6.81</u></td> <td><u>380</u></td> <td><u>Clear</u></td> <td></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="3">TURBIDITY: <u>0.95</u></td> <td colspan="3">NTU (meas. In field lab)</td> </tr> </table>						PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE		<u>4.5</u> <u>1117</u>	<u>9.7</u>	<u>6.79</u>	<u>377</u>	<u>Clear</u>		<u>9.0</u> <u>1141</u>	<u>10.0</u>	<u>6.50</u>	<u>375</u>	<u>Clear</u>		<u>13.5</u> <u>1201</u>	<u>10.0</u>	<u>6.81</u>	<u>380</u>	<u>Clear</u>								TURBIDITY: <u>0.95</u>			NTU (meas. In field lab)		
PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)																																											
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																											
<u>4.5</u> <u>1117</u>	<u>9.7</u>	<u>6.79</u>	<u>377</u>	<u>Clear</u>																																											
<u>9.0</u> <u>1141</u>	<u>10.0</u>	<u>6.50</u>	<u>375</u>	<u>Clear</u>																																											
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TURBIDITY: <u>0.95</u>			NTU (meas. In field lab)																																												

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: SWPW-013-200311

SAMPLE TIME: 1203

QA / QC SAMPLE ID: 214

QA / QC SAMPLE TIME: 214

GROUNDWATER SAMPLES

		MONITORING WELLS						RESIDENTIAL WELLS	
PARAMETERS:	VOLATILES	SVOC'S	TOC	AMMONIA	Cl / SO4 / TDS / NO3	ALKALINITY	Cl / SO4 / NO3	ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	UNPRESERVED	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	28 DAYS / 48 HRS	28 DAYS / 48 HRS	6 MONTHS
METHODS:	8260B	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A
LAB	ANATEK	ANATEK	SVL	SVL	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	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 ROUNDWATER SAMPLING FIELD SET

DATE: <u>3-11-20</u>		WELL ID: <u>MW 14</u>		FIELD TEAM: MT <u>GF</u> KM, BU																																											
SAMPLE ID: <u>GWMW-014-200311</u>			QA / QC SAMPLE ID: <u>NA</u>																																												
FIELD CONDITIONS: <u>pty clay, 32°</u>																																															
START TIME: <u>0815</u>		DEDICATED BLADDER: ☒																																													
SAMPLE TIME: <u>0846</u>		DISPOSABLE BAILER: _____																																													
QA / QC SAMPLE TIME: <u>NA</u>		PRIVATE DOMESTIC WELL: _____																																													
END TIME: <u>0850</u>																																															
METER AND PURGING INFORMATION:																																															
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																												
pH	EXTECH 100	<u>370571</u>	Calibrated to 4, 7 & 10 buffer																																												
CONDUCTIVITY	ECTESTR 11+	<u>7810</u>	Std. to 700 umhos/cm																																												
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU																																												
SWL INDICATOR	<u>Slope Ind</u>	<u>23474</u>																																													
TOTAL DEPTH OF WELL: <u>55.36'</u>			CALCULATIONS: PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI) <u>56</u>																																												
PACKER DEPTH: <u>39.50'</u>																																															
STATIC WATER LEVEL: <u>0.0'</u>																																															
COLUMN OF WATER: <u>—</u>																																															
COLUMN OF WATER ABOVE PACKER: <u>39.50</u>																																															
COLUMN OF WATER BELOW PACKER: <u>15.86</u>																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">PARAMETERS:</th> <th>(+/- 10%)</th> <th>(+/- .1)</th> <th>(+/- 10%)</th> <th></th> </tr> <tr> <th>GAL PURGED / TIME</th> <th>TEMP</th> <th>pH</th> <th>CONDUCTIVITY</th> <th colspan="2">APPEARANCE</th> </tr> <tr> <td><u>3</u> <u>0823</u></td> <td><u>8.3</u></td> <td><u>7.19</u></td> <td><u>154</u></td> <td colspan="2"><u>Clear</u></td> </tr> <tr> <td><u>6</u> <u>0834</u></td> <td><u>8.4</u></td> <td><u>7.11</u></td> <td><u>149</u></td> <td colspan="2"><u>Clear</u></td> </tr> <tr> <td><u>9</u> <u>0844</u></td> <td><u>8.4</u></td> <td><u>7.10</u></td> <td><u>152</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>1.47</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</u> <u>0823</u>	<u>8.3</u>	<u>7.19</u>	<u>154</u>	<u>Clear</u>		<u>6</u> <u>0834</u>	<u>8.4</u>	<u>7.11</u>	<u>149</u>	<u>Clear</u>		<u>9</u> <u>0844</u>	<u>8.4</u>	<u>7.10</u>	<u>152</u>	<u>Clear</u>											TURBIDITY: <u>1.47</u>	NTU (meas. In field lab)	
PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)																																											
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																											
<u>3</u> <u>0823</u>	<u>8.3</u>	<u>7.19</u>	<u>154</u>	<u>Clear</u>																																											
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			TURBIDITY: <u>1.47</u>	NTU (meas. In field lab)																																											

COMMENTS:

Nothing unusual observed @ wellhead/vicinity

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GW-MW-014-280311

SAMPLE TIME: 0846

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: NA

GROUNDWATER SAMPLES		MONITORING WELLS RESIDENTIAL WELLS					
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml. POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE
PRESERVATION:	HCl pH<2 14 DAYS	UNPRESERVED	H2SO4 pH<2 28 DAYS	H2SO4 pH<2 28 DAYS	UNPRESERVED	UNPRESERVED	HNO3 (TOTAL) pH<2 6 MONTHS
HOLDING TIME:	8260C	7 DAYS TO	28 DAYS	28 DAYS	28 DAYS / 28 DAYS	28 DAYS / 48 HRS	7060A / 6010B / 7470A
METHODS:		8270	445.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	
LAB	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

LEACHATE SAMPLES	
PARAMETERS:	

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/ROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3/11/2020</u>	WELL ID: <u>MW-19R</u>	FIELD TEAM: <u>MT, GF, KM, BU</u>
SAMPLE ID: <u>GWMW-019R-200311</u>	QA / QC SAMPLE ID: <u>—</u>	
FIELD CONDITIONS: <u>P. CLOUDY WIND 5-10 SW 38°F</u>		
START TIME: <u>0840</u> SAMPLE TIME: <u>1330</u> QA / QC SAMPLE TIME: <u>—</u> END TIME: <u>1336</u> DEDICATED BLADDER: <u>*</u> DISPOSABLE BAILER: <u>—</u> PRIVATE DOMESTIC WELL: <u>—</u>		

METER AND PURGING INFORMATION:			
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH 100	<u>223464</u>	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTESTR 11+	<u>243</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>85.35'</u> PACKER DEPTH: <u>—</u> STATIC WATER LEVEL: <u>45.01'</u> COLUMN OF WATER: <u>40.34'</u> COLUMN OF WATER ABOVE PACKER: <u>—</u> COLUMN OF WATER BELOW PACKER: <u>—</u>	CALCULATIONS: <u>40.34' X .17 = 6.86 = 7 GAL X</u> <u>3 = 21 GAL</u> PACKER INFORMATION: <u>COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)</u>
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PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)	
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE
<u>7 GAL / 0857</u>	<u>10.1</u>	<u>6.82</u>	<u>175</u>	<u>CLEAR</u>
<u>8 GAL / 0905</u>	<u>10.0</u>	<u>6.89</u>	<u>180</u>	<u>CLEAR</u>
<u>FINAL / 1330</u>	<u>10.2</u>	<u>6.86</u>	<u>177</u>	<u>CLEAR</u>
			TURBIDITY: <u>1.10</u>	NTU (meas. In field lab)

COMMENTS: * PURGED TO INTAKES c 8 GAL, VERY SLOW RECHARGE ALLOW ALL DAY TO RECHARGE, SAMPLE LAST WELL IN PM

SAMPLE MONTH: MARCH JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-0192-200311

SAMPLE TIME: _____

QA / QC SAMPLE ID: _____

QA / QC SAMPLE TIME: _____

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

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 ROUNDWATER SAMPLING FIELD SET

DATE: <u>3/11/2020</u>		WELL ID: <u>MW-20</u>		FIELD TEAM: <u>MT</u> , GF, KM, BU	
SAMPLE ID: <u>GWMW-020-200311</u>			QA / QC SAMPLE ID: <u>-NA-</u>		
FIELD CONDITIONS: <u>P. CLOUDY</u> <u>SW WIND 5-10</u> <u>4°F</u>					
START TIME: <u>1105</u> SAMPLE TIME: <u>1200</u> QA / QC SAMPLE TIME: <u>NA</u> END TIME: <u>1205</u> DEDICATED BLADDER: <u>X</u> DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: _____					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>223464</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>141.55'</u>			CALCULATIONS: PACKER: $55.92 \times .433 \times 1.25 + 30 = 60 \text{ PSI}$ $25.55' \times 1.7 = 4.34 = 5 \text{ GAL} \times 3 = 15 \text{ GAL}$ PACKER INFORMATION: $\text{COW} \times .433 \times 1.25 + 30 = \text{PACKER INFLATION (PSI)}$		
PACKER DEPTH: <u>116.00'</u>					
STATIC WATER LEVEL: <u>160.08'</u>					
COLUMN OF WATER: <u>25.55'</u>					
COLUMN OF WATER ABOVE PACKER: <u>55.92'</u>					
COLUMN OF WATER BELOW PACKER: _____					
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
<u>5 GAL / 1120</u>	<u>10.9</u>	<u>7.01</u>	<u>500</u>	<u>CLOUDY</u>	
<u>10 GAL / 1139</u>	<u>10.7</u>	<u>7.04</u>	<u>501</u>	<u>MILKY</u>	
<u>15 GAL / 1159</u>	<u>10.8</u>	<u>7.02</u>	<u>507</u>	<u>P. CLOUDY</u>	
			TURBIDITY: <u>60.1</u> NTU (meas. In field lab)		

COMMENTS:

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GNMW-000-203011

SAMPLE TIME: 1200

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: _____

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

COMPLIANCE LEACHATE PERMIT MONITORING (LEACHATE GRAVITY LINE)											
PARAMETERS:	VOC'S	FOG	FOG	PESTICIDES SVOC'S	BOD	TSS / pH	TOTAL PHOSPHOROUS	CYANIDE (TOTAL)	METALS (As,Cd,Cr,Cu,Pb,Mo Se,Hg,Ni,Ag,Zn)		
CONTAINERS:	3 - 40 ml. VOLATILES	1 LITER AMBER GLASS	1 LITER AMBER GLASS	2 - 1 LITER AMBER GLASS	1 LITER POLY	500 ml POLY BOTTLE	250 ml POLY BOTTLE	250 POLY BOTTLE	500 ml POLY BOTTI		
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:

MIC ROUNDWATER SAMPLING FIELD SET

DATE: <u>3-11-20</u>		WELL ID: <u>MW 29</u>		FIELD TEAM: <u>MT GF, KM, BU</u>																																											
SAMPLE ID: <u>GWMW-029-200311</u>			QA / QC SAMPLE ID: <u>NA</u>																																												
FIELD CONDITIONS: <u>mstly cldy, 39°</u>																																															
START TIME: <u>1253</u>		DEDICATED BLADDER: ☒																																													
SAMPLE TIME: <u>1355</u>		DISPOSABLE BAILER: ☐																																													
QA / QC SAMPLE TIME: <u>NA</u>		PRIVATE DOMESTIC WELL: ☐																																													
END TIME: <u>1401</u>																																															
METER AND PURGING INFORMATION:																																															
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																												
pH	EXTECH 100	<u>370571</u>	Calibrated to 4, 7 & 10 buffer																																												
CONDUCTIVITY	ECTESTR 11+	<u>7810</u>	Std. to 700 umhos/cm																																												
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, and 331 NTU																																												
SWL INDICATOR	<u>Slope Ind</u>	<u>23474</u>																																													
TOTAL DEPTH OF WELL: <u>61.50</u>			CALCULATIONS: <u>5 gal/vol</u> PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																												
PACKER DEPTH: <u>NA</u>																																															
STATIC WATER LEVEL: <u>32.58</u>																																															
COLUMN OF WATER: <u>28.92</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;"> <thead> <tr> <th colspan="2">PARAMETERS:</th> <th>(+/- 10%)</th> <th>(+/- .1)</th> <th>(+/- 10%)</th> <th></th> </tr> <tr> <th>GAL PURGED / TIME</th> <th>TEMP</th> <th>pH</th> <th>CONDUCTIVITY</th> <th>APPEARANCE</th> <th></th> </tr> </thead> <tbody> <tr> <td><u>878 4 1300</u></td> <td><u>9.7</u></td> <td><u>6.34</u></td> <td><u>617</u></td> <td><u>clear</u></td> <td></td> </tr> <tr> <td><u>97 1309</u></td> <td><u>9.6</u></td> <td><u>6.39</u></td> <td><u>621</u></td> <td><u>clear</u></td> <td></td> </tr> <tr> <td><u>10 1322</u></td> <td><u>9.7</u></td> <td><u>6.41</u></td> <td><u>612</u></td> <td><u>clear</u></td> <td></td> </tr> <tr> <td><u>End parameters 1401</u></td> <td><u>9.7</u></td> <td><u>6.37</u></td> <td><u>619</u></td> <td><u>clear</u></td> <td></td> </tr> <tr> <td colspan="3"></td> <td>TURBIDITY: <u>0.58</u></td> <td colspan="2">NTU (meas. In field lab)</td> </tr> </tbody> </table>						PARAMETERS:		(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE		<u>878 4 1300</u>	<u>9.7</u>	<u>6.34</u>	<u>617</u>	<u>clear</u>		<u>97 1309</u>	<u>9.6</u>	<u>6.39</u>	<u>621</u>	<u>clear</u>		<u>10 1322</u>	<u>9.7</u>	<u>6.41</u>	<u>612</u>	<u>clear</u>		<u>End parameters 1401</u>	<u>9.7</u>	<u>6.37</u>	<u>619</u>	<u>clear</u>					TURBIDITY: <u>0.58</u>	NTU (meas. In field lab)	
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GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																											
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SWL @ ~~MW~~ MW 12-23.25'
 SWL @ MS 7 - 3.55'

COMMENTS:

- purged well to intakes - allowed the well to recharge then sampled

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GUMW-029-2003/1

SAMPLE TIME: 1355

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: NA

GROUNDWATER SAMPLES

MONITORING WELLS										RESIDENTIAL WELLS	
PARAMETERS:	VOLATILES	SVOC'S BEHP	TOC	AMMONIA	CI / SO4 / TDS / NO3 ALKALINITY	CI / SO4 / NO3 ALKALINITY	As / Ba / Pb / Mn / Hg V / Zn				
CONTAINERS:	3-40 ml VOLATILES	1 Liter AMBER GLASS	40 ml CLEAR GLASS	500 ml, POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE	500 ml POLY BOTTLE			
PRESERVATION:	HCl pH<2	UNPRESERVED	H2SO4 pH<2	H2SO4 pH<2	UNPRESERVED	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	28 DAYS / 48 HRS	6 MONTHS			
METHODS:	8260B	8270	415.1	350.1	300.0 / 300.0 / 160.1 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	300.0 / 300.0 300.0 / 310.1	7060A / 6010B / 7470A			
LAB	ANATEK	ANATEK	SVL	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	H ₂ SO ₄ pH<2	NaOH pH<2	HNO ₃ 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	EPA 608 EPA 625 (SVOC'S)	SM 5210B	SM2540D SM4500-H-B	SM 4500-P-E	EPA 335.4	EPA 200.7 EPA 245.1 (Hg)
LAB	ANATEK	ANATEK	ANATEK	ANATEK	SVL	SVL	SVL	SVL	SVL

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD SHEET

DATE: <u>3-11-20</u>		WELL ID: <u>MW 31</u>		FIELD TEAM: MT <u>GF</u> KM, BU																																											
SAMPLE ID: <u>GWMW-031-200311</u>			QA / QC SAMPLE ID: <u>NA</u>																																												
FIELD CONDITIONS: <u>pty cldy, 34°</u>																																															
START TIME: <u>0913</u>		DEDICATED BLADDER: ☒																																													
SAMPLE TIME: <u>0934</u>		DISPOSABLE BAILER: ☐																																													
QA / QC SAMPLE TIME: <u>NA</u>		PRIVATE DOMESTIC WELL: ☐																																													
END TIME: <u>0939</u>																																															
METER AND PURGING INFORMATION:																																															
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																												
pH	EXTECH 100	<u>370571</u>	Calibrated to 4, 7 & 10 buffer																																												
CONDUCTIVITY	ECTESTR 11+	<u>7810</u>	Std. to 700 umhos/cm																																												
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, and 331 NTU																																												
SWL INDICATOR	<u>Slope Ind.</u>	<u>23474</u>																																													
TOTAL DEPTH OF WELL: <u>19.0'</u>		CALCULATIONS: 3 gal/vol PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																													
PACKER DEPTH: <u>NA</u>																																															
STATIC WATER LEVEL: <u>4.99'</u>																																															
COLUMN OF WATER: <u>14.01</u>																																															
COLUMN OF WATER ABOVE PACKER: <u>NA</u>																																															
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			TURBIDITY: <u>5.47</u> NTU (meas. in field lab)																																												

COMMENTS: Nothing unusual observed @/or around vicinity of wellhead

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-031-200311

SAMPLE TIME: 0934

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: NA

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

COMMENTS:

MICA/ROUNDWATER SAMPLING FIELD SET

MS/MSD here

DATE: <u>3-12-2020</u>		WELL ID: <u>MS-5</u>		FIELD TEAM: MT, <u>GE</u> , KM, BU																																				
SAMPLE ID: <u>GWMS-005-200312</u>			QA / QC SAMPLE ID: <u>NA</u> MS/MSD Here																																					
FIELD CONDITIONS: <u>Clear, 35°</u>																																								
START TIME: <u>0859</u>		DEDICATED BLADDER: ☒																																						
SAMPLE TIME: <u>0939</u>		DISPOSABLE BAILER: ☐																																						
QA / QC SAMPLE TIME: <u>NA</u>		PRIVATE DOMESTIC WELL: ☐																																						
END TIME: <u>1005</u>																																								
METER AND PURGING INFORMATION:																																								
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS																																					
pH	EXTECH 100	<u>370571</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: 7 gal/vol PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)																																					
PACKER DEPTH: <u>NA</u>																																								
STATIC WATER LEVEL: <u>14.26</u>																																								
COLUMN OF WATER: <u>38.74</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;"> <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><u>7</u></td> <td><u>11.0</u></td> <td><u>6.68</u></td> <td><u>337</u></td> <td><u>clear</u></td> </tr> <tr> <td><u>14</u></td> <td><u>10.7</u></td> <td><u>6.74</u></td> <td><u>332</u></td> <td><u>clear</u></td> </tr> <tr> <td><u>21</u></td> <td><u>10.7</u></td> <td><u>6.71</u></td> <td><u>337</u></td> <td><u>clear</u></td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td colspan="3">TURBIDITY: <u>0.42</u></td> <td colspan="2">NTU (meas. in field lab)</td> </tr> </tbody> </table>						PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)		GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	<u>7</u>	<u>11.0</u>	<u>6.68</u>	<u>337</u>	<u>clear</u>	<u>14</u>	<u>10.7</u>	<u>6.74</u>	<u>332</u>	<u>clear</u>	<u>21</u>	<u>10.7</u>	<u>6.71</u>	<u>337</u>	<u>clear</u>						TURBIDITY: <u>0.42</u>			NTU (meas. in field lab)	
PARAMETERS:	(+/- 10%)	(+/- .1)	(+/- 10%)																																					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE																																				
<u>7</u>	<u>11.0</u>	<u>6.68</u>	<u>337</u>	<u>clear</u>																																				
<u>14</u>	<u>10.7</u>	<u>6.74</u>	<u>332</u>	<u>clear</u>																																				
<u>21</u>	<u>10.7</u>	<u>6.71</u>	<u>337</u>	<u>clear</u>																																				
TURBIDITY: <u>0.42</u>			NTU (meas. in field lab)																																					

COMMENTS: Nothing unusual observed e or in vicinity of well

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMS-005-200312

SAMPLE TIME: 0939

QA / QC SAMPLE ID: NA

QA / QC SAMPLE TIME: NA

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

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

COMMENTS:

MICA ROUNDWATER SAMPLING FIELD SET

DATE: <u>3/12/2020</u>		WELL ID: <u>MW-16</u>		FIELD TEAM: <u>MT, GF, KM, BU</u>	
SAMPLE ID: <u>GWMW-016-200312</u>			QA / QC SAMPLE ID: <u>- NA -</u>		
FIELD CONDITIONS: <u>CLEAR LT NW WIND 25°F</u>					
START TIME: <u>0900</u> SAMPLE TIME: <u>1000</u> QA / QC SAMPLE TIME: <u>—</u> END TIME: <u>1004</u> DEDICATED BLADDER: <u>X</u> DISPOSABLE BAILER: <u> </u> PRIVATE DOMESTIC WELL: <u> </u>					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>223474</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>93.42'</u>			CALCULATIONS: Packer: $55.79' \times .433 \times 1.25 + 30 =$ <u>61 PSI</u> $20.42' \times .17 = 3.47 = 3.5 \text{ GAL} \times 3 =$ <u>10.5 GAL</u> PACKER INFORMATION: <u>10.5 GAL</u> COW $\times .433 \times 1.25 + 30 =$ PACKER INFLATION (PSI)		
PACKER DEPTH: <u>73.00'</u>					
STATIC WATER LEVEL: <u>17.21'</u>					
COLUMN OF WATER: <u> </u>					
COLUMN OF WATER ABOVE PACKER: <u>55.79</u>					
COLUMN OF WATER BELOW PACKER: <u>20.42'</u>					
PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)					
GAL PURGED / TIME	TEMP	pH	CONDUCTIVITY	APPEARANCE	
<u>3.5 GAL / 0919</u>	<u>10.9</u>	<u>6.77</u>	<u>1933</u>	<u>CLEAR</u>	
<u>7.0 GAL / 0939</u>	<u>10.9</u>	<u>6.69</u>	<u>2070</u>	<u>CLEAR</u>	
<u>10.5 GAL / 0959</u>	<u>11.0</u>	<u>6.68</u>	<u>2080</u>	<u>CLEAR</u>	
			TURBIDITY: <u>1.19</u> NTU (meas. In field lab)		

COMMENTS:

MS-2 wle 11.52'

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GWMW-016-200312

SAMPLE TIME: 1000

QA / QC SAMPLE ID: NA-

QA / QC SAMPLE TIME: _____

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

COMMENTS:

MICA GROUNDWATER SAMPLING FIELD ST

DATE: <u>3-12-2020</u>		WELL ID: <u>MW-023</u>		FIELD TEAM: <u>MT, GF, KM, BU</u>	
SAMPLE ID: <u>GW-MW-023-200312</u>			QA / QC SAMPLE ID: <u>MWS-1-1-200312</u>		
FIELD CONDITIONS: <u>Sunny 30°F</u>					
START TIME: <u>0910</u> SAMPLE TIME: <u>1007</u> QA / QC SAMPLE TIME: <u>1017</u> END TIME: <u>1030</u> DEDICATED BLADDER: <u>*</u> DISPOSABLE BAILER: _____ PRIVATE DOMESTIC WELL: _____					
METER AND PURGING INFORMATION:					
METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS		
pH	EXTECH 100	<u>346097</u>	Calibrated to 4, 7 & 10 buffer		
CONDUCTIVITY	ECTESTR 11+	<u>46A</u>	Std. to 700 umhos/cm		
TURBIDITY	Hach 2100P	<u>#020100024957</u>	Std to 4.02, 39.4, and 331 NTU		
SWL INDICATOR					
TOTAL DEPTH OF WELL: <u>58.09'</u>			CALCULATIONS: <u>= 6.8 = 7 gallons</u>		
PACKER DEPTH: _____					
STATIC WATER LEVEL: <u>17.62</u>					
COLUMN OF WATER: <u>40.47</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	
<u>7_{gals} → 0922</u>	<u>10.4</u>	<u>6.90</u>	<u>804</u>	<u>Clear</u>	
<u>14_{gals} → 0942</u>	<u>10.2</u>	<u>6.93</u>	<u>806</u>	<u>Clear</u>	
<u>21_{gals} → 1002</u>	<u>10.2</u>	<u>6.94</u>	<u>807</u>	<u>Clear</u>	
			TURBIDITY: <u>NT</u> NTU (meas. In field lab)		

COMMENTS: * Dupe taken

Purged 21 gallons, taking Parameters every 7 gallons before sampling

SAMPLE MONTH: MARCH, JUNE, SEPTEMBER OR DECEMBER

SAMPLE ID: GW-MW-023-200312

SAMPLE TIME: 1007

QA / QC SAMPLE ID: MWS-1-1-200312

QA / QC SAMPLE TIME: 1017

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

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

COMMENTS:

APPENDIX C GROUNDWATER SAMPLING LABORATORY RESULTS



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWDW-001-200311	X0C0215-01	Ground Water	11-Mar-20 08:20	GF/KM/ MT	12-Mar-2020	
GWDW-002-200311	X0C0215-02	Ground Water	11-Mar-20 10:31	GF/KM/ MT	12-Mar-2020	
GWDW-003-200311	X0C0215-03	Ground Water	11-Mar-20 09:43	GF/KM/ MT	12-Mar-2020	
GWMS-004-200311	X0C0215-04	Ground Water	11-Mar-20 12:23	GF/KM/ MT	12-Mar-2020	
GWMW-009-200311	X0C0215-05	Ground Water	11-Mar-20 10:30	GF/KM/ MT	12-Mar-2020	
GWMW-010-200311	X0C0215-06	Ground Water	11-Mar-20 09:50	GF/KM/ MT	12-Mar-2020	
GWMW-013-200311	X0C0215-07	Ground Water	11-Mar-20 12:03	GF/KM/ MT	12-Mar-2020	
GWMW-014-200311	X0C0215-08	Ground Water	11-Mar-20 08:46	GF/KM/ MT	12-Mar-2020	
GWMW-019R-200311	X0C0215-09	Ground Water	11-Mar-20 13:30	GF/KM/ MT	12-Mar-2020	
GWMW-020-200311	X0C0215-10	Ground Water	11-Mar-20 12:00	GF/KM/ MT	12-Mar-2020	
GWMW-029-200311	X0C0215-11	Ground Water	11-Mar-20 13:55	GF/KM/ MT	12-Mar-2020	
GWMW-031-200311	X0C0215-12	Ground Water	11-Mar-20 09:34	GF/KM/ MT	12-Mar-2020	
MWS-1-2-200311	X0C0215-13	Ground Water	11-Mar-20 11:00	GF/KM/ MT	12-Mar-2020	

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

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

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

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

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

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

Case Narrative: X0C0215

SVL is not certified for Mercury 7470A in Washington.



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net

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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWDW-001-200311**

Sampled: 11-Mar-20 08:20

SVL Sample ID: **X0C0215-01 (Ground Water)**

Received: 12-Mar-20

Sample Report Page 1 of 1

Sampled By: GF/KM/MT

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 09:45	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0313	mg/L	0.0040	0.0019		X012056	KH	03/25/20 09:05	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 09:05	
EPA 6010D	Manganese	0.0110	mg/L	0.0080	0.0034		X012056	KH	03/25/20 09:05	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 09:05	
EPA 6010D	Zinc	0.504	mg/L	0.010	0.005		X012056	KH	03/25/20 09:05	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 11:26	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 16:25	
SM 2320 B	Total Alkalinity	137	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 14:55	
SM 2320 B	Bicarbonate	137	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 14:55	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 14:55	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X012036	RS	03/17/20 19:55	

Anions by Ion Chromatography

EPA 300.0	Chloride	15.9	mg/L	2.00	1.40	10	X011192	RS	03/12/20 17:39	D2
EPA 300.0	Nitrate as N	0.402	mg/L	0.050	0.043		X011192	RS	03/12/20 15:43	
EPA 300.0	Sulfate as SO₄	8.59	mg/L	0.30	0.18		X011192	RS	03/12/20 15:43	

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 99005

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWDW-002-200311**

Sampled: 11-Mar-20 10:31

SVL Sample ID: **X0C0215-02 (Ground Water)**

Received: 12-Mar-20

Sample Report Page 1 of 1

Sampled By: GF/KM/MT

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 09:47	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0259	mg/L	0.0040	0.0019		X012056	KH	03/25/20 09:17	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 09:17	
EPA 6010D	Manganese	0.0253	mg/L	0.0080	0.0034		X012056	KH	03/25/20 09:17	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 09:17	
EPA 6010D	Zinc	1.20	mg/L	0.010	0.005		X012056	KH	03/25/20 09:17	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 11:29	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 16:27	
SM 2320 B	Total Alkalinity	154	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:02	
SM 2320 B	Bicarbonate	154	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:02	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:02	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X012036	RS	03/17/20 20:08	

Anions by Ion Chromatography

EPA 300.0	Chloride	4.93	mg/L	0.20	0.14		X011192	RS	03/12/20 16:00	
EPA 300.0	Nitrate as N	0.721	mg/L	0.050	0.043		X011192	RS	03/12/20 16:00	
EPA 300.0	Sulfate as SO₄	7.16	mg/L	0.30	0.18		X011192	RS	03/12/20 16:00	

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

Dave Tryon
Project Manager



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

www.svl.net

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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWDW-003-200311**

Sampled: 11-Mar-20 09:43

Received: 12-Mar-20

Sampled By: GF/KM/MT

SVL Sample ID: **X0C0215-03 (Ground Water)**

Sample Report Page 1 of 1

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 09:49	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0303	mg/L	0.0040	0.0019		X012056	KH	03/25/20 09:21	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 09:21	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X012056	KH	03/25/20 09:21	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 09:21	
EPA 6010D	Zinc	0.101	mg/L	0.010	0.005		X012056	KH	03/25/20 09:21	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 11:38	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 16:30	
SM 2320 B	Total Alkalinity	167	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:09	
SM 2320 B	Bicarbonate	167	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:09	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:09	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X012036	RS	03/17/20 20:21	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.88	mg/L	0.20	0.14		X011192	RS	03/12/20 16:49	
EPA 300.0	Nitrate as N	2.44	mg/L	0.050	0.043		X011192	RS	03/12/20 16:49	
EPA 300.0	Sulfate as SO₄	1.50	mg/L	0.30	0.18		X011192	RS	03/12/20 16:49	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWMS-004-200311**

Sampled: 11-Mar-20 12:23

Received: 12-Mar-20

Sampled By: GF/KM/MT

SVL Sample ID: **X0C0215-04 (Ground Water)**

Sample Report Page 1 of 1

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 09:51	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0793	mg/L	0.0040	0.0019		X012056	KH	03/25/20 09:25	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 09:25	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X012056	KH	03/25/20 09:25	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 09:25	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X012056	KH	03/25/20 09:25	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 11:41	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 16:33	
SM 2320 B	Total Alkalinity	131	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:25	
SM 2320 B	Bicarbonate	131	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:25	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:25	
SM 2540 C	Total Diss. Solids	191	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X012036	RS	03/17/20 20:34	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.53	mg/L	0.20	0.14		X011192	RS	03/12/20 17:22	
EPA 300.0	Nitrate as N	5.97	mg/L	0.050	0.043		X011192	RS	03/12/20 17:22	
EPA 300.0	Sulfate as SO₄	10.4	mg/L	0.30	0.18		X011192	RS	03/12/20 17:22	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWMW-009-200311**

Sampled: 11-Mar-20 10:30

SVL Sample ID: **X0C0215-05 (Ground Water)**

Received: 12-Mar-20

Sample Report Page 1 of 1

Sampled By: GF/KM/MT

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 09:54	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.122	mg/L	0.0040	0.0019		X012056	KH	03/25/20 09:29	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 09:29	
EPA 6010D	Manganese	0.223	mg/L	0.0080	0.0034		X012056	KH	03/25/20 09:29	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 09:29	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X012056	KH	03/25/20 09:29	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 11:44	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 16:36	
SM 2320 B	Total Alkalinity	191	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:32	
SM 2320 B	Bicarbonate	191	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:32	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:32	
SM 2540 C	Total Diss. Solids	225	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	2.16	mg/L	1.00	0.38		X012036	RS	03/17/20 20:47	

Anions by Ion Chromatography

EPA 300.0	Chloride	13.4	mg/L	2.00	1.40	10	X011192	RS	03/12/20 18:50	D2
EPA 300.0	Nitrate as N	< 0.500	mg/L	0.500	0.430	10	X011192	RS	03/12/20 18:50	D
EPA 300.0	Sulfate as SO₄	3.09	mg/L	0.30	0.18		X011192	RS	03/12/20 18:33	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWMW-010-200311**

Sampled: 11-Mar-20 09:50

Received: 12-Mar-20

Sampled By: GF/KM/MT

SVL Sample ID: **X0C0215-06 (Ground Water)****Sample Report Page 1 of 1**

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 09:56	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0474	mg/L	0.0040	0.0019		X012056	KH	03/25/20 09:33	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 09:33	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X012056	KH	03/25/20 09:33	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 09:33	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X012056	KH	03/25/20 09:33	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 11:47	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 16:39	
SM 2320 B	Total Alkalinity	83.7	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:39	
SM 2320 B	Bicarbonate	83.7	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:39	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:39	
SM 2540 C	Total Diss. Solids	99	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X012036	RS	03/17/20 21:00	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.39	mg/L	0.20	0.14		X011192	RS	03/12/20 19:06	
EPA 300.0	Nitrate as N	0.204	mg/L	0.050	0.043		X011192	RS	03/12/20 19:06	
EPA 300.0	Sulfate as SO₄	0.70	mg/L	0.30	0.18		X011192	RS	03/12/20 19:06	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWMW-013-200311**

Sampled: 11-Mar-20 12:03

Received: 12-Mar-20

Sampled By: GF/KM/MT

SVL Sample ID: **X0C0215-07 (Ground Water)**

Sample Report Page 1 of 1

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 09:58	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0524	mg/L	0.0040	0.0019		X012056	KH	03/25/20 09:48	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 09:48	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X012056	KH	03/25/20 09:48	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 09:48	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X012056	KH	03/25/20 09:48	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 11:56	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 16:42	
SM 2320 B	Total Alkalinity	181	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:46	
SM 2320 B	Bicarbonate	181	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:46	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:46	
SM 2540 C	Total Diss. Solids	238	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	1.08	mg/L	1.00	0.38		X012036	RS	03/17/20 21:13	

Anions by Ion Chromatography

EPA 300.0	Chloride	8.74	mg/L	0.20	0.14		X011192	RS	03/12/20 19:23	
EPA 300.0	Nitrate as N	0.515	mg/L	0.500	0.430	10	X011192	RS	03/12/20 19:40	D
EPA 300.0	Sulfate as SO ₄	3.60	mg/L	0.30	0.18		X011192	RS	03/12/20 19:23	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWMW-014-200311**

Sampled: 11-Mar-20 08:46

SVL Sample ID: **X0C0215-08 (Ground Water)**

Received: 12-Mar-20

Sample Report Page 1 of 1

Sampled By: GF/KM/MT

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 10:06	
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Metals (Total Recoverable)

EPA 6010D	Barium	< 0.0040	mg/L	0.0040	0.0019		X012056	KH	03/25/20 09:52	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 09:52	
EPA 6010D	Manganese	0.172	mg/L	0.0080	0.0034		X012056	KH	03/25/20 09:52	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 09:52	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X012056	KH	03/25/20 09:52	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 11:59	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 16:45	
SM 2320 B	Total Alkalinity	76.1	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:53	
SM 2320 B	Bicarbonate	76.1	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:53	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 15:53	
SM 2540 C	Total Diss. Solids	116	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X012036	RS	03/17/20 21:27	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.73	mg/L	0.20	0.14		X011192	RS	03/12/20 19:56	
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X011192	RS	03/12/20 19:56	
EPA 300.0	Sulfate as SO₄	8.88	mg/L	0.30	0.18		X011192	RS	03/12/20 19:56	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWMW-019R-200311**

Sampled: 11-Mar-20 13:30

SVL Sample ID: **X0C0215-09 (Ground Water)**

Received: 12-Mar-20

Sample Report Page 1 of 1

Sampled By: GF/KM/MT

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 10:08	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0379	mg/L	0.0040	0.0019		X012056	KH	03/25/20 09:56	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 09:56	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X012056	KH	03/25/20 09:56	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 09:56	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X012056	KH	03/25/20 09:56	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 12:02	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 16:48	
SM 2320 B	Total Alkalinity	109	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:00	
SM 2320 B	Bicarbonate	109	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:00	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:00	
SM 2540 C	Total Diss. Solids	168	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	1.22	mg/L	1.00	0.38		X012036	RS	03/17/20 22:06	

Anions by Ion Chromatography

EPA 300.0	Chloride	6.95	mg/L	0.20	0.14		X011192	RS	03/12/20 20:13	
EPA 300.0	Nitrate as N	1.20	mg/L	0.500	0.430	10	X011192	RS	03/12/20 20:29	D
EPA 300.0	Sulfate as SO ₄	4.90	mg/L	0.30	0.18		X011192	RS	03/12/20 20:13	

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 99005

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWMW-020-200311**

Sampled: 11-Mar-20 12:00

SVL Sample ID: **X0C0215-10 (Ground Water)**

Received: 12-Mar-20

Sample Report Page 1 of 1

Sampled By: GF/KM/MT

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 10:11	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.763	mg/L	0.0040	0.0019		X012056	KH	03/25/20 10:00	
EPA 6010D	Lead	0.0660	mg/L	0.0150	0.0049		X012056	KH	03/25/20 10:00	
EPA 6010D	Manganese	0.417	mg/L	0.0080	0.0034		X012056	KH	03/25/20 10:00	
EPA 6010D	Vanadium	0.0177	mg/L	0.0050	0.0019		X012056	KH	03/25/20 10:00	
EPA 6010D	Zinc	0.129	mg/L	0.010	0.005		X012056	KH	03/25/20 10:00	
EPA 6020B	Arsenic	0.00695	mg/L	0.00300	0.00021		X012074	AS	03/25/20 12:05	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 16:51	
SM 2320 B	Total Alkalinity	233	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:07	
SM 2320 B	Bicarbonate	233	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:07	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:07	
SM 2540 C	Total Diss. Solids	278	mg/L	20			X012062	DKS	03/17/20 12:40	D2
SM 5310B	Total Organic Carbon	< 3.00	mg/L	3.00	1.15	3	X012036	RS	03/17/20 22:19	D1

Anions by Ion Chromatography

EPA 300.0	Chloride	7.58	mg/L	0.20	0.14		X011192	RS	03/12/20 20:46	
EPA 300.0	Nitrate as N	2.35	mg/L	0.500	0.430	10	X011192	RS	03/12/20 21:02	D
EPA 300.0	Sulfate as SO₄	6.23	mg/L	0.30	0.18		X011192	RS	03/12/20 20:46	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWMW-029-200311**

Sampled: 11-Mar-20 13:55

Received: 12-Mar-20

Sampled By: GF/KM/MT

SVL Sample ID: **X0C0215-11 (Ground Water)****Sample Report Page 1 of 1**

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 10:13	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.103	mg/L	0.0040	0.0019		X012056	KH	03/25/20 10:04	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 10:04	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X012056	KH	03/25/20 10:04	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 10:04	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X012056	KH	03/25/20 10:04	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 12:08	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 17:07	
SM 2320 B	Total Alkalinity	77.7	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:14	
SM 2320 B	Bicarbonate	77.7	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:14	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:14	
SM 2540 C	Total Diss. Solids	387	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X012036	RS	03/17/20 22:32	
Anions by Ion Chromatography										
EPA 300.0	Chloride	136	mg/L	5.00	3.50	25	X011192	RS	03/12/20 22:08	D2
EPA 300.0	Nitrate as N	< 1.25	mg/L	1.25	1.08	25	X011192	RS	03/12/20 22:08	D
EPA 300.0	Sulfate as SO₄	6.35	mg/L	0.30	0.18		X011192	RS	03/12/20 21:52	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **GWMW-031-200311**

Sampled: 11-Mar-20 09:34

Received: 12-Mar-20

Sampled By: GF/KM/MT

SVL Sample ID: **X0C0215-12 (Ground Water)**

Sample Report Page 1 of 1

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 10:15	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0392	mg/L	0.0040	0.0019		X012056	KH	03/25/20 10:09	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 10:09	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X012056	KH	03/25/20 10:09	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 10:09	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X012056	KH	03/25/20 10:09	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 12:11	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 17:09	
SM 2320 B	Total Alkalinity	49.7	mg/L as CaCO3	1.0			X012106	KAG	03/18/20 16:29	
SM 2320 B	Bicarbonate	49.7	mg/L as CaCO3	1.0			X012106	KAG	03/18/20 16:29	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X012106	KAG	03/18/20 16:29	
SM 2540 C	Total Diss. Solids	77	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	4.61	mg/L	1.00	0.38		X012036	RS	03/17/20 22:45	

Anions by Ion Chromatography

EPA 300.0	Chloride	1.94	mg/L	0.20	0.14		X011192	RS	03/12/20 22:25	
EPA 300.0	Nitrate as N	0.050	mg/L	0.050	0.043		X011192	RS	03/12/20 22:25	
EPA 300.0	Sulfate as SO4	3.54	mg/L	0.30	0.18		X011192	RS	03/12/20 22:25	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Client Sample ID: **MWS-1-2-200311**

Sampled: 11-Mar-20 11:00

SVL Sample ID: **X0C0215-13 (Ground Water)**

Received: 12-Mar-20

Sample Report Page 1 of 1

Sampled By: GF/KM/MT

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 10:17	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.125	mg/L	0.0040	0.0019		X012056	KH	03/25/20 10:13	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X012056	KH	03/25/20 10:13	
EPA 6010D	Manganese	0.201	mg/L	0.0080	0.0034		X012056	KH	03/25/20 10:13	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X012056	KH	03/25/20 10:13	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X012056	KH	03/25/20 10:13	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X012074	AS	03/25/20 12:14	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012098	SLH	03/23/20 17:12	
SM 2320 B	Total Alkalinity	197	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:36	
SM 2320 B	Bicarbonate	197	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:36	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:36	
SM 2540 C	Total Diss. Solids	215	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	2.08	mg/L	1.00	0.38		X012036	RS	03/17/20 22:58	

Anions by Ion Chromatography

EPA 300.0	Chloride	13.6	mg/L	2.00	1.40	10	X011192	RS	03/13/20 10:03	D2
EPA 300.0	Nitrate as N	< 0.500	mg/L	0.500	0.430	10	X011192	RS	03/13/20 10:03	D
EPA 300.0	Sulfate as SO₄	3.10	mg/L	0.30	0.18		X011192	RS	03/12/20 22:41	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

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	<0.00020	0.000093	0.00020	X012023	18-Mar-20	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X012056	25-Mar-20	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X012056	25-Mar-20	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X012056	25-Mar-20	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X012056	25-Mar-20	
EPA 6010D	Zinc	mg/L	<0.010	0.005	0.010	X012056	25-Mar-20	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X012074	25-Mar-20	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X012098	23-Mar-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	<1.0		1.0	X012106	18-Mar-20	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	<1.0		1.0	X012106	18-Mar-20	
SM 2320 B	Carbonate	mg/L as CaCO ₃	<1.0		1.0	X012106	18-Mar-20	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X012062	17-Mar-20	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X012036	17-Mar-20	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X012036	17-Mar-20	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.14	0.20	X011192	12-Mar-20	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X011192	12-Mar-20	
EPA 300.0	Sulfate as SO ₄	mg/L	<0.30	0.18	0.30	X011192	12-Mar-20	

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	0.00481	0.00500	96.2	80 - 120	X012023	18-Mar-20	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.04	1.00	104	80 - 120	X012056	25-Mar-20	
EPA 6010D	Lead	mg/L	1.04	1.00	104	80 - 120	X012056	25-Mar-20	
EPA 6010D	Manganese	mg/L	1.04	1.00	104	80 - 120	X012056	25-Mar-20	
EPA 6010D	Vanadium	mg/L	1.06	1.00	106	80 - 120	X012056	25-Mar-20	
EPA 6010D	Zinc	mg/L	1.04	1.00	104	80 - 120	X012056	25-Mar-20	
EPA 6020B	Arsenic	mg/L	0.0254	0.0250	101	80 - 120	X012074	25-Mar-20	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.04	1.00	104	90 - 110	X012098	23-Mar-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	10.2	9.93	103	94.3 - 106	X012106	18-Mar-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	102	99.3	103	94.3 - 106	X012106	18-Mar-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO ₃	388	397	97.7	94.3 - 106	X012106	18-Mar-20	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	10.2	9.93	103	95.1 - 106	X012106	18-Mar-20	
SM 2320 B	Bicarbonate	mg/L as CaCO ₃	101	99.3	102	95.1 - 106	X012106	18-Mar-20	
SM 5310B	Total Organic Carbon	mg/L	35.7	34.3	104	90 - 110	X012036	17-Mar-20	
SM 5310B	Total Organic Carbon	mg/L	35.3	34.3	103	90 - 110	X012036	17-Mar-20	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	2.89	3.00	96.5	90 - 110	X011192	12-Mar-20	
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SVL holds the following certifications:

AZ:0538, CA:2080, ID:ID00019 & ID00965 (Microbiology), NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 15 of 17



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography (Continued)									
EPA 300.0	Nitrate as N	mg/L	1.89	2.00	94.7	90 - 110	X011192	12-Mar-20	
EPA 300.0	Sulfate as SO4	mg/L	9.98	10.0	99.8	90 - 110	X011192	12-Mar-20	

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch and Source ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2320 B	Total Alkalinity	mg/L as CaCO3	106	107	1.2	20	X012106 - X0C0228-01	18-Mar-20	
SM 2320 B	Bicarbonate	mg/L as CaCO3	106	107	1.2	20	X012106 - X0C0228-01	18-Mar-20	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X012106 - X0C0228-01	18-Mar-20	
SM 2540 C	Total Diss. Solids	mg/L	219	210	4.2	10	X012062 - X0C0228-01	17-Mar-20	
SM 2540 C	Total Diss. Solids	mg/L	378	387	2.4	10	X012062 - X0C0215-11	17-Mar-20	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	mg/L	0.00100	<0.00020	0.00100	100	75 - 125	X012023 - X0C0215-07	18-Mar-20	
EPA 7470A	Mercury	mg/L	0.00102	<0.00020	0.00100	102	75 - 125	X012023 - X0C0228-01	18-Mar-20	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.07	0.0313	1.00	104	75 - 125	X012056 - X0C0215-01	25-Mar-20	
EPA 6010D	Lead	mg/L	1.03	<0.0150	1.00	103	75 - 125	X012056 - X0C0215-01	25-Mar-20	
EPA 6010D	Manganese	mg/L	1.04	0.0110	1.00	103	75 - 125	X012056 - X0C0215-01	25-Mar-20	
EPA 6010D	Vanadium	mg/L	1.05	<0.0050	1.00	105	75 - 125	X012056 - X0C0215-01	25-Mar-20	
EPA 6010D	Zinc	mg/L	1.54	0.504	1.00	104	75 - 125	X012056 - X0C0215-01	25-Mar-20	
EPA 6020B	Arsenic	mg/L	0.0254	<0.00300	0.0250	100	75 - 125	X012074 - X0C0215-02	25-Mar-20	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	0.998	<0.030	1.00	99.8	90 - 110	X012098 - X0C0215-07	23-Mar-20	
EPA 350.1	Ammonia as N	mg/L	1.04	<0.030	1.00	104	90 - 110	X012098 - X0C0215-08	23-Mar-20	
SM 5310B	Total Organic Carbon	mg/L	11.6	2.11	10.0	95.2	80 - 120	X012036 - X0C0228-01	17-Mar-20	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	7.82	4.93	3.00	96.3	90 - 110	X011192 - X0C0215-02	12-Mar-20	
EPA 300.0	Chloride	mg/L	3.79	0.88	3.00	96.9	90 - 110	X011192 - X0C0215-03	12-Mar-20	
EPA 300.0	Nitrate as N	mg/L	2.61	0.721	2.00	94.4	90 - 110	X011192 - X0C0215-02	12-Mar-20	
EPA 300.0	Nitrate as N	mg/L	4.36	2.44	2.00	96.0	90 - 110	X011192 - X0C0215-03	12-Mar-20	
EPA 300.0	Sulfate as SO4	mg/L	17.3	7.16	10.0	101	90 - 110	X011192 - X0C0215-02	12-Mar-20	
EPA 300.0	Sulfate as SO4	mg/L	11.5	1.50	10.0	100	90 - 110	X011192 - X0C0215-03	12-Mar-20	



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

Work Order: **X0C0215**
Reported: 26-Mar-20 11:13

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	0.00099	0.00102	0.00100	2.4	20	99.4	X012023 - X0C0228-01	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.07	1.07	1.00	0.2	20	104	X012056 - X0C0215-01	
EPA 6010D	Lead	mg/L	1.03	1.03	1.00	0.4	20	103	X012056 - X0C0215-01	
EPA 6010D	Manganese	mg/L	1.04	1.04	1.00	0.3	20	103	X012056 - X0C0215-01	
EPA 6010D	Vanadium	mg/L	1.05	1.05	1.00	0.3	20	105	X012056 - X0C0215-01	
EPA 6010D	Zinc	mg/L	1.53	1.54	1.00	0.6	20	103	X012056 - X0C0215-01	
EPA 6020B	Arsenic	mg/L	0.0258	0.0254	0.0250	1.4	20	102	X012074 - X0C0215-02	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.05	0.998	1.00	5.3	20	105	X012098 - X0C0215-07	
SM 5310B	Total Organic Carbon	mg/L	11.8	11.6	10.0	1.5	20	97.0	X012036 - X0C0228-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	7.84	7.82	3.00	0.2	20	96.8	X011192 - X0C0215-02	
EPA 300.0	Nitrate as N	mg/L	2.61	2.61	2.00	0.1	20	94.4	X011192 - X0C0215-02	
EPA 300.0	Sulfate as SO ₄	mg/L	17.3	17.3	10.0	0.4	20	102	X011192 - X0C0215-02	

Notes and Definitions

D	The reported value is from a dilution.
D1	Sample required dilution due to matrix.
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 Environmental Services (Colbert)
22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X0C0228**
Reported: 02-Apr-20 16:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWMS-005-200312	X0C0228-01	Ground Water	12-Mar-20 09:39	GF/KM/ MT	13-Mar-2020	
GWMW-016-200312	X0C0228-02	Ground Water	12-Mar-20 10:00	GF/KM/ MT	13-Mar-2020	
GWMW-023-200312	X0C0228-03	Ground Water	12-Mar-20 10:07	GF/KM/ MT	13-Mar-2020	
MWS-1-1-200312	X0C0228-04	Ground Water	12-Mar-20 10:17	GF/KM/ MT	13-Mar-2020	

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

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

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

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

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

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

Case Narrative: X0C0228

SVL is not certified for Mercury 7470A in Washington.

Client requested reanalysis requested on sample X0C0228-02 due to historical discrepancy. REs confirmed historical data; REs reported.

DT 4/2/2020



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: **X0C0228**
Reported: 02-Apr-20 16:03

Client Sample ID: **GWMS-005-200312**

Sampled: 12-Mar-20 09:39

Received: 13-Mar-20

Sampled By: GF/KM/MT

SVL Sample ID: **X0C0228-01 (Ground Water)**

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 10:19	
Metals (Total Recoverable)										
EPA 6010D	Barium	0.0557	mg/L	0.0040	0.0019		X011256	KH	03/25/20 10:49	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X011256	KH	03/25/20 10:49	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X011256	KH	03/25/20 10:49	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X011256	KH	03/25/20 10:49	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X011256	KH	03/25/20 10:49	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X011263	AS	03/25/20 12:05	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012250	SLH	03/23/20 18:00	
SM 2320 B	Total Alkalinity	107	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:43	
SM 2320 B	Bicarbonate	107	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:43	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:43	
SM 2540 C	Total Diss. Solids	210	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	2.11	mg/L	1.00	0.38		X012036	RS	03/17/20 23:12	
Anions by Ion Chromatography										
EPA 300.0	Chloride	24.2	mg/L	2.00	1.40	10	X011230	RS	03/13/20 17:58	D2,M4
EPA 300.0	Nitrate as N	1.55	mg/L	0.050	0.043		X011230	RS	03/13/20 17:41	
EPA 300.0	Sulfate as SO₄	18.8	mg/L	0.30	0.18		X011230	RS	03/13/20 17:41	

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

Dave Tryon
Project Manager



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

Work Order: **X0C0228**
Reported: 02-Apr-20 16:03

Client Sample ID: **GWMW-016-200312**

Sampled: 12-Mar-20 10:00

Received: 13-Mar-20

Sampled By: GF/KM/MT

SVL Sample ID: **X0C0228-02 (Ground Water)****Sample Report Page 1 of 1**

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 10:25	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.663	mg/L	0.0040	0.0019		X011256	KH	03/25/20 11:01	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X011256	KH	03/25/20 11:01	
EPA 6010D	Manganese	0.552	mg/L	0.0080	0.0034		X011256	KH	03/25/20 11:01	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X011256	KH	03/25/20 11:01	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X011256	KH	03/25/20 11:01	
EPA 6020B	Arsenic	0.0567	mg/L	0.00300	0.00021		X011263	AS	03/25/20 12:14	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	0.329	mg/L	0.030	0.013		X012250	SLH	03/23/20 18:03	
SM 2320 B	Total Alkalinity	1370	mg/L as CaCO3	1.0			X014126	KAG	04/02/20 09:16	H1
SM 2320 B	Total Alkalinity	1400	mg/L as CaCO3	1.0			X014126	KAG	04/02/20 09:25	H1
SM 2320 B	Bicarbonate	1370	mg/L as CaCO3	1.0			X014126	KAG	04/02/20 09:16	H1
SM 2320 B	Bicarbonate	1400	mg/L as CaCO3	1.0			X014126	KAG	04/02/20 09:25	H1
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X014126	KAG	04/02/20 09:16	H1
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO3	1.0			X014126	KAG	04/02/20 09:25	H1
SM 2540 C	Total Diss. Solids	1310	mg/L	40			X012062	DKS	03/17/20 12:40	D2
SM 5310B	Total Organic Carbon	49.4	mg/L	3.00	1.15	3	X012036	RS	03/17/20 23:25	D1

Anions by Ion Chromatography

EPA 300.0	Chloride	153	mg/L	5.00	3.50	25	X011230	RS	03/13/20 19:37	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X011230	RS	03/13/20 19:20	
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X011230	RS	03/13/20 19:20	

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 99005

Work Order: **X0C0228**
Reported: 02-Apr-20 16:03

Client Sample ID: **GWMW-023-200312**

Sampled: 12-Mar-20 10:07

SVL Sample ID: **X0C0228-03 (Ground Water)**

Received: 13-Mar-20

Sample Report Page 1 of 1

Sampled By: GF/KM/MT

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 10:32	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.146	mg/L	0.0040	0.0019		X011256	KH	03/25/20 11:05	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X011256	KH	03/25/20 11:05	
EPA 6010D	Manganese	0.934	mg/L	0.0080	0.0034		X011256	KH	03/25/20 11:05	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X011256	KH	03/25/20 11:05	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X011256	KH	03/25/20 11:05	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X011263	AS	03/25/20 12:17	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012250	SLH	03/23/20 18:06	
SM 2320 B	Total Alkalinity	372	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:58	
SM 2320 B	Bicarbonate	372	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:58	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 16:58	
SM 2540 C	Total Diss. Solids	468	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	2.56	mg/L	1.00	0.38		X012036	RS	03/17/20 23:38	

Anions by Ion Chromatography

EPA 300.0	Chloride	51.6	mg/L	2.00	1.40	10	X011230	RS	03/13/20 20:43	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X011230	RS	03/13/20 20:27	
EPA 300.0	Sulfate as SO₄	8.39	mg/L	0.30	0.18		X011230	RS	03/13/20 20:27	

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 99005

Work Order: **X0C0228**
Reported: 02-Apr-20 16:03

Client Sample ID: **MWS-1-1-200312**

Sampled: 12-Mar-20 10:17

SVL Sample ID: **X0C0228-04 (Ground Water)**

Received: 13-Mar-20

Sample Report Page 1 of 1

Sampled By: GF/KM/MT

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

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000093		X012023	MEH	03/18/20 10:34	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.147	mg/L	0.0040	0.0019		X011256	KH	03/25/20 11:09	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X011256	KH	03/25/20 11:09	
EPA 6010D	Manganese	0.940	mg/L	0.0080	0.0034		X011256	KH	03/25/20 11:09	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X011256	KH	03/25/20 11:09	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X011256	KH	03/25/20 11:09	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X011263	AS	03/25/20 12:19	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X012250	SLH	03/23/20 18:09	
SM 2320 B	Total Alkalinity	360	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 17:06	
SM 2320 B	Bicarbonate	360	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 17:06	
SM 2320 B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X012106	KAG	03/18/20 17:06	
SM 2540 C	Total Diss. Solids	472	mg/L	10			X012062	DKS	03/17/20 12:40	
SM 5310B	Total Organic Carbon	2.38	mg/L	1.00	0.38		X012036	RS	03/17/20 23:51	

Anions by Ion Chromatography

EPA 300.0	Chloride	51.4	mg/L	2.00	1.40	10	X011230	RS	03/13/20 21:16	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.043		X011230	RS	03/13/20 21:00	
EPA 300.0	Sulfate as SO₄	8.44	mg/L	0.30	0.18		X011230	RS	03/13/20 21:00	

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

Dave Tryon
Project Manager



Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order:

X0C0228

Reported:

02-Apr-20 16:03

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	<0.00020	0.000093	0.00020	X012023	18-Mar-20	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	<0.0040	0.0019	0.0040	X011256	25-Mar-20	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X011256	25-Mar-20	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X011256	25-Mar-20	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X011256	25-Mar-20	
EPA 6010D	Zinc	mg/L	<0.010	0.005	0.010	X011256	25-Mar-20	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X011263	25-Mar-20	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X012250	23-Mar-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X012106	18-Mar-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X014126	02-Apr-20	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X012106	18-Mar-20	
SM 2320 B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X014126	02-Apr-20	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X012106	18-Mar-20	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0		1.0	X014126	02-Apr-20	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X012062	17-Mar-20	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X012036	17-Mar-20	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X012036	17-Mar-20	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.14	0.20	X011230	13-Mar-20	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X011230	13-Mar-20	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X011230	13-Mar-20	

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	0.00481	0.00500	96.2	80 - 120	X012023	18-Mar-20	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.05	1.00	105	80 - 120	X011256	25-Mar-20	
EPA 6010D	Lead	mg/L	1.05	1.00	105	80 - 120	X011256	25-Mar-20	
EPA 6010D	Manganese	mg/L	1.04	1.00	104	80 - 120	X011256	25-Mar-20	
EPA 6010D	Vanadium	mg/L	1.06	1.00	106	80 - 120	X011256	25-Mar-20	
EPA 6010D	Zinc	mg/L	1.05	1.00	105	80 - 120	X011256	25-Mar-20	
EPA 6020B	Arsenic	mg/L	0.0238	0.0250	95.3	80 - 120	X011263	25-Mar-20	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.09	1.00	109	90 - 110	X012250	23-Mar-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	98.3	99.3	99.0	94.3 - 106	X014126	02-Apr-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	100	99.3	101	94.3 - 106	X014126	02-Apr-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	10.2	9.93	103	94.3 - 106	X012106	18-Mar-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	102	99.3	103	94.3 - 106	X012106	18-Mar-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	388	397	97.7	94.3 - 106	X012106	18-Mar-20	
SM 2320 B	Bicarbonate	mg/L as CaCO3	98.3	99.3	99.0	95.1 - 106	X014126	02-Apr-20	
SM 2320 B	Bicarbonate	mg/L as CaCO3	100	99.3	101	95.1 - 106	X014126	02-Apr-20	
SM 2320 B	Bicarbonate	mg/L as CaCO3	10.2	9.93	103	95.1 - 106	X012106	18-Mar-20	
SM 2320 B	Bicarbonate	mg/L as CaCO3	101	99.3	102	95.1 - 106	X012106	18-Mar-20	

SVL holds the following certifications:

AZ:0538, CA:2080, ID:ID00019 & ID00965 (Microbiology), NV:ID000192007A, UT(TNI):ID000192015-1, WA:C573

Work order Report Page 6 of 8



Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order:

X0C0228

Reported:

02-Apr-20 16:03

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	35.7	34.3	104	90 - 110	X012036	17-Mar-20	
SM 5310B	Total Organic Carbon	mg/L	35.3	34.3	103	90 - 110	X012036	17-Mar-20	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	2.88	3.00	95.9	90 - 110	X011230	13-Mar-20	
EPA 300.0	Nitrate as N	mg/L	1.90	2.00	95.1	90 - 110	X011230	13-Mar-20	
EPA 300.0	Sulfate as SO4	mg/L	9.93	10.0	99.3	90 - 110	X011230	13-Mar-20	

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	106	107	1.2	20	X012106 - X0C0228-01	18-Mar-20	
SM 2320 B	Total Alkalinity	mg/L as CaCO3	242	248	2.5	20	X014126 - X0C0536-01	02-Apr-20	
SM 2320 B	Bicarbonate	mg/L as CaCO3	106	107	1.2	20	X012106 - X0C0228-01	18-Mar-20	
SM 2320 B	Bicarbonate	mg/L as CaCO3	242	248	2.5	20	X014126 - X0C0536-01	02-Apr-20	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X012106 - X0C0228-01	18-Mar-20	
SM 2320 B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X014126 - X0C0536-01	02-Apr-20	
SM 2540 C	Total Diss. Solids	mg/L	219	210	4.2	10	X012062 - X0C0228-01	17-Mar-20	
SM 2540 C	Total Diss. Solids	mg/L	378	387	2.4	10	X012062 - X0C0215-11	17-Mar-20	

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	0.00100	<0.00020	0.00100	100	75 - 125	X012023 - X0C0215-07	18-Mar-20	
EPA 7470A	Mercury	mg/L	0.00102	<0.00020	0.00100	102	75 - 125	X012023 - X0C0228-01	18-Mar-20	

Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.11	0.0557	1.00	105	75 - 125	X011256 - X0C0228-01	25-Mar-20	
EPA 6010D	Lead	mg/L	1.04	<0.0150	1.00	104	75 - 125	X011256 - X0C0228-01	25-Mar-20	
EPA 6010D	Manganese	mg/L	1.05	<0.0080	1.00	105	75 - 125	X011256 - X0C0228-01	25-Mar-20	
EPA 6010D	Vanadium	mg/L	1.05	<0.0050	1.00	105	75 - 125	X011256 - X0C0228-01	25-Mar-20	
EPA 6010D	Zinc	mg/L	1.05	<0.010	1.00	105	75 - 125	X011256 - X0C0228-01	25-Mar-20	
EPA 6020B	Arsenic	mg/L	0.0241	<0.00300	0.0250	94.7	75 - 125	X011263 - X0C0228-01	25-Mar-20	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.07	<0.030	1.00	107	90 - 110	X012250 - X0C0228-01	23-Mar-20	
EPA 350.1	Ammonia as N	mg/L	1.29	0.329	1.00	96.1	90 - 110	X012250 - X0C0228-02	23-Mar-20	
SM 5310B	Total Organic Carbon	mg/L	11.6	2.11	10.0	95.2	80 - 120	X012036 - X0C0228-01	17-Mar-20	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	26.7	24.2	3.00	0.30R>S	90 - 110	X011230 - X0C0228-01	13-Mar-20	D2,M4
EPA 300.0	Nitrate as N	mg/L	3.37	1.55	2.00	91.3	90 - 110	X011230 - X0C0228-01	13-Mar-20	
EPA 300.0	Sulfate as SO4	mg/L	28.9	18.8	10.0	100	90 - 110	X011230 - X0C0228-01	13-Mar-20	



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

Work Order: **X0C0228**
Reported: 02-Apr-20 16:03

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	0.00099	0.00102	0.00100	2.4	20	99.4	X012023 - X0C0228-01	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.10	1.11	1.00	0.7	20	105	X011256 - X0C0228-01	
EPA 6010D	Lead	mg/L	1.04	1.04	1.00	0.2	20	104	X011256 - X0C0228-01	
EPA 6010D	Manganese	mg/L	1.03	1.05	1.00	1.4	20	103	X011256 - X0C0228-01	
EPA 6010D	Vanadium	mg/L	1.07	1.05	1.00	1.2	20	106	X011256 - X0C0228-01	
EPA 6010D	Zinc	mg/L	1.05	1.05	1.00	0.6	20	105	X011256 - X0C0228-01	
EPA 6020B	Arsenic	mg/L	0.0241	0.0241	0.0250	0.3	20	94.4	X011263 - X0C0228-01	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.10	1.07	1.00	2.4	20	110	X012250 - X0C0228-01	
SM 5310B	Total Organic Carbon	mg/L	11.8	11.6	10.0	1.5	20	97.0	X012036 - X0C0228-01	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	26.6	26.7	3.00	0.7	20	0.30R>S	X011230 - X0C0228-01	D2,M4
EPA 300.0	Nitrate as N	mg/L	3.43	3.37	2.00	1.7	20	94.1	X011230 - X0C0228-01	
EPA 300.0	Sulfate as SO ₄	mg/L	29.0	28.9	10.0	0.4	20	102	X011230 - X0C0228-01	

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
H1	Sample analysis performed past holding time.
M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-001	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWDW-001-200311	Sampling Time	8:20 AM	Extraction Date	3/18/2020
Matrix	Water	Sample Location	X0C0246-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/25/2020 12:27:00 AM	TGT	EPA 8270D	

Surrogate Data

Sample Number	200316006-001			
Surrogate Standard	Method	Percent Recovery	Control Limits	
2,4,6-Tribromophenol	EPA 8270D	86.6	43-132	
2-Fluorobiphenyl	EPA 8270D	83.2	55-127	
2-Fluorophenol	EPA 8270D	75.0	41-119	
Nitrobenzene-d5	EPA 8270D	86.0	55-120	
Phenol-d5	EPA 8270D	75.0	52-115	
Terphenyl-d14	EPA 8270D	98.4	22-135	

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Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-002	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWDW-002-200311	Sampling Time	10:31 AM	Extraction Date	3/18/2020
Matrix	Water	Sample Location	X0C0246-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/25/2020 12:55:00 AM	TGT	EPA 8270D	

Surrogate Data

Sample Number	200316006-002		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	94.0	43-132
2-Fluorobiphenyl	EPA 8270D	76.8	55-127
2-Fluorophenol	EPA 8270D	70.4	41-119
Nitrobenzene-d5	EPA 8270D	82.0	55-120
Phenol-d5	EPA 8270D	82.6	52-115
Terphenyl-d14	EPA 8270D	97.2	22-135

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Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-003	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWDW-003-200311	Sampling Time	9:43 AM	Extraction Date	3/18/2020
Matrix	Water	Sample Location	X0C0246-03		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/25/2020 1:23:00 AM	TGT	EPA 8270D	

Surrogate Data

Sample Number	200316006-003		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	86.4	43-132
2-Fluorobiphenyl	EPA 8270D	67.2	55-127
2-Fluorophenol	EPA 8270D	53.2	41-119
Nitrobenzene-d5	EPA 8270D	76.0	55-120
Phenol-d5	EPA 8270D	60.0	52-115
Terphenyl-d14	EPA 8270D	92.8	22-135

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Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-004	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-004-200311	Sampling Time	12:23 PM	Extraction Date	3/18/2020
Matrix	Water	Sample Location	X0C0246-04		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	2.21	ug/L	0.5	3/25/2020 1:51:00 AM	TGT	EPA 8270D	

Surrogate Data

Sample Number	200316006-004		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	81.8	43-132
2-Fluorobiphenyl	EPA 8270D	96.8	55-127
2-Fluorophenol	EPA 8270D	68.2	41-119
Nitrobenzene-d5	EPA 8270D	92.0	55-120
Phenol-d5	EPA 8270D	77.4	52-115
Terphenyl-d14	EPA 8270D	107.2	22-135

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Batch #: 200316006
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Analytical Results Report

Sample Number	200316006-005	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-009-200311	Sampling Time	10:30 AM	Extraction Date	3/18/2020
Matrix	Water	Sample Location	X0C0246-05		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	0.75	ug/L	0.5	3/25/2020 2:18:00 AM	TGT	EPA 8270D	

Surrogate Data

Sample Number	200316006-005		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	79.0	43-132
2-Fluorobiphenyl	EPA 8270D	94.8	55-127
2-Fluorophenol	EPA 8270D	63.6	41-119
Nitrobenzene-d5	EPA 8270D	93.2	55-120
Phenol-d5	EPA 8270D	74.8	52-115
Terphenyl-d14	EPA 8270D	99.2	22-135

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Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-011	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-029-200311	Sampling Time	1:55 PM	Extraction Date	3/18/2020
Matrix	Water	Sample Location	X0C0246-11		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/25/2020 2:46:00 AM	TGT	EPA 8270D	

Surrogate Data

Sample Number	200316006-011		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	73.6	43-132
2-Fluorobiphenyl	EPA 8270D	81.6	55-127
2-Fluorophenol	EPA 8270D	74.0	41-119
Nitrobenzene-d5	EPA 8270D	82.4	55-120
Phenol-d5	EPA 8270D	75.2	52-115
Terphenyl-d14	EPA 8270D	104.0	22-135

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Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-013	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	MWS-1-2-200311	Sampling Time	11:00 AM	Extraction Date	3/18/2020
Matrix	Water	Sample Location	X0C0246-13		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/25/2020 3:14:00 AM	TGT	EPA 8270D	

Surrogate Data

Sample Number	200316006-013		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	85.0	43-132
2-Fluorobiphenyl	EPA 8270D	88.4	55-127
2-Fluorophenol	EPA 8270D	76.8	41-119
Nitrobenzene-d5	EPA 8270D	95.2	55-120
Phenol-d5	EPA 8270D	86.4	52-115
Terphenyl-d14	EPA 8270D	99.2	22-135

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Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312	Sampling Time	9:39 AM	Extraction Date	3/18/2020
Matrix	Water	Sample Location	X0C0246-14		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/25/2020 3:41:00 AM	TGT	EPA 8270D	

Surrogate Data

Sample Number	200316006-014		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	97.6	43-132
2-Fluorobiphenyl	EPA 8270D	75.6	55-127
2-Fluorophenol	EPA 8270D	74.6	41-119
Nitrobenzene-d5	EPA 8270D	83.2	55-120
Phenol-d5	EPA 8270D	86.8	52-115
Terphenyl-d14	EPA 8270D	110.4	22-135

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Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014A	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312A	Sampling Time	9:39 AM	Extraction Date	3/18/2020
Matrix	Water	Sample Location	X0C0246-4A		
Comments	Sample Matrix Spike				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	6.16	ug/L	0.5	3/24/2020 11:03:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	200316006-014A		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	92.6	43-132
2-Fluorobiphenyl	EPA 8270D	88.8	55-127
2-Fluorophenol	EPA 8270D	69.8	41-119
Nitrobenzene-d5	EPA 8270D	82.8	55-120
Phenol-d5	EPA 8270D	77.2	52-115
Terphenyl-d14	EPA 8270D	98.4	22-135

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Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014B	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312B	Sampling Time	9:39 AM	Extraction Date	3/18/2020
Matrix	Water	Sample Location	X0C0246-4B		
Comments	Sample Matrix Spike Duplicate				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	5.46	ug/L	0.5	3/24/2020 11:31:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	200316006-014B			
Surrogate Standard	Method	Percent Recovery	Control Limits	
2,4,6-Tribromophenol	EPA 8270D	96.2	43-132	
2-Fluorobiphenyl	EPA 8270D	85.2	55-127	
2-Fluorophenol	EPA 8270D	72.0	41-119	
Nitrobenzene-d5	EPA 8270D	86.0	55-120	
Phenol-d5	EPA 8270D	80.6	52-115	
Terphenyl-d14	EPA 8270D	94.8	22-135	

Authorized Signature



Todd Taruscio, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
bis(2-Ethylhexyl)phthalate	5.23	ug/L	5	104.6	51-149	3/18/2020	3/25/2020

Lab Control Sample Duplicate

Parameter	LCSD Result	Units	LCSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
bis(2-Ethylhexyl)phthalate	6.16	ug/L	5	123.2	16.3	0-43	3/18/2020	3/25/2020

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/18/2020	3/25/2020

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-001	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWDW-001-200311	Sampling Time	8:20 AM		
Matrix	Water	Sample Location	X0C0246-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	

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Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-001	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWDW-001-200311	Sampling Time	8:20 AM		
Matrix	Water	Sample Location	X0C0246-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromobenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-001	Sampling Date	3/11/2020	Date/Time Received	3/12/202010:50 AM		
Client Sample ID	GWDW-001-200311	Sampling Time	8:20 AM				
Matrix	Water	Sample Location	X0C0246-01				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 1:53:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-001			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C	101.2	70-130	
4-Bromofluorobenzene	EPA 8260C	100.0	70-130	
Toluene-d8	EPA 8260C	110.0	70-130	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-002	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWDW-002-200311	Sampling Time	10:31 AM		
Matrix	Water	Sample Location	X0C0246-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-002	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWDW-002-200311	Sampling Time	10:31 AM		
Matrix	Water	Sample Location	X0C0246-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-002	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWDW-002-200311	Sampling Time	10:31 AM		
Matrix	Water	Sample Location	X0C0246-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 2:26:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-002		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	102.4	70-130
4-Bromofluorobenzene	EPA 8260C	102.0	70-130
Toluene-d8	EPA 8260C	105.2	70-130

Anatek Labs, Inc.

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-003	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWDW-003-200311	Sampling Time	9:43 AM		
Matrix	Water	Sample Location	X0C0246-03		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-003	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWDW-003-200311	Sampling Time	9:43 AM		
Matrix	Water	Sample Location	X0C0246-03		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-003	Sampling Date	3/11/2020		Date/Time Received	3/12/2020 10:50 AM		
Client Sample ID	GWDW-003-200311	Sampling Time	9:43 AM					
Matrix	Water	Sample Location	X0C0246-03					
Comments								
	Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
	sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
	Styrene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
	tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
	Tetrachloroethene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
	Toluene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
	trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
	trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
	Trichloroethene	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
	Trichloroflouromethane	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	
	Vinyl Chloride	ND	ug/L	0.5	3/23/2020 2:59:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-003		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	100.8	70-130
4-Bromofluorobenzene	EPA 8260C	96.8	70-130
Toluene-d8	EPA 8260C	96.4	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-004	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-004-200311	Sampling Time	12:23 PM		
Matrix	Water	Sample Location	X0C0246-04		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	1.15	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-004	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-004-200311	Sampling Time	12:23 PM		
Matrix	Water	Sample Location	X0C0246-04		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	0.86	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-004	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-004-200311	Sampling Time	12:23 PM		
Matrix	Water	Sample Location	X0C0246-04		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 3:31:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-004		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	103.6	70-130
4-Bromofluorobenzene	EPA 8260C	96.0	70-130
Toluene-d8	EPA 8260C	98.0	70-130

Anatek Labs, Inc.

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-005	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-009-200311	Sampling Time	10:30 AM		
Matrix	Water	Sample Location	X0C0246-05		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-005	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-009-200311	Sampling Time	10:30 AM		
Matrix	Water	Sample Location	X0C0246-05		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Anatek Labs, Inc.

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-005	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-009-200311	Sampling Time	10:30 AM		
Matrix	Water	Sample Location	X0C0246-05		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 4:04:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-005		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	102.8	70-130
4-Bromofluorobenzene	EPA 8260C	100.4	70-130
Toluene-d8	EPA 8260C	100.8	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-006	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-010-200311	Sampling Time	9:50 AM		
Matrix	Water	Sample Location	X0C0246-06		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-006	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-010-200311	Sampling Time	9:50 AM		
Matrix	Water	Sample Location	X0C0246-06		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-006	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-010-200311	Sampling Time	9:50 AM		
Matrix	Water	Sample Location	X0C0246-06		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 4:37:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-006		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	102.0	70-130
4-Bromofluorobenzene	EPA 8260C	101.6	70-130
Toluene-d8	EPA 8260C	96.0	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-007	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-013-200311	Sampling Time	12:03 PM		
Matrix	Water	Sample Location	X0C0246-07		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	1.22	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-007	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-013-200311	Sampling Time	12:03 PM		
Matrix	Water	Sample Location	X0C0246-07		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	1.53	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-007	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-013-200311	Sampling Time	12:03 PM		
Matrix	Water	Sample Location	X0C0246-07		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 5:09:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-007			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C	102.8	70-130	
4-Bromofluorobenzene	EPA 8260C	99.6	70-130	
Toluene-d8	EPA 8260C	102.4	70-130	

Anatek Labs, Inc.

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-008	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-014-200311	Sampling Time	8:46 AM		
Matrix	Water	Sample Location	X0C0246-08		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	

Anatek Labs, Inc.

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

Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-008	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-014-200311	Sampling Time	8:46 AM		
Matrix	Water	Sample Location	X0C0246-08		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Anatek Labs, Inc.

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-008	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-014-200311	Sampling Time	8:46 AM		
Matrix	Water	Sample Location	X0C0246-08		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 5:42:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-008		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	100.8	70-130
4-Bromofluorobenzene	EPA 8260C	95.2	70-130
Toluene-d8	EPA 8260C	110.4	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-009	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-019R-200311	Sampling Time	1:30 PM		
Matrix	Water	Sample Location	X0C0246-09		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-009	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-019R-200311	Sampling Time	1:30 PM		
Matrix	Water	Sample Location	X0C0246-09		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-009	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-019R-200311	Sampling Time	1:30 PM		
Matrix	Water	Sample Location	X0C0246-09		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 6:15:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-009		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	102.0	70-130
4-Bromofluorobenzene	EPA 8260C	96.8	70-130
Toluene-d8	EPA 8260C	101.6	70-130

Anatek Labs, Inc.

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-010	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-020-200311	Sampling Time	12:00 PM		
Matrix	Water	Sample Location	X0C0246-10		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	1.01	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	

Anatek Labs, Inc.

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

Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-010	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-020-200311	Sampling Time	12:00 PM		
Matrix	Water	Sample Location	X0C0246-10		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	1.40	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-010	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-020-200311	Sampling Time	12:00 PM		
Matrix	Water	Sample Location	X0C0246-10		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 6:48:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-010		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	102.0	70-130
4-Bromofluorobenzene	EPA 8260C	97.2	70-130
Toluene-d8	EPA 8260C	112.8	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-011	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-029-200311	Sampling Time	1:55 PM		
Matrix	Water	Sample Location	X0C0246-11		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-011	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-029-200311	Sampling Time	1:55 PM		
Matrix	Water	Sample Location	X0C0246-11		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	0.55	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-011	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-029-200311	Sampling Time	1:55 PM		
Matrix	Water	Sample Location	X0C0246-11		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 7:21:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-011		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	102.0	70-130
4-Bromofluorobenzene	EPA 8260C	96.0	70-130
Toluene-d8	EPA 8260C	106.0	70-130

Anatek Labs, Inc.

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-012	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-031-200311	Sampling Time	9:34 AM		
Matrix	Water	Sample Location	X0C0246-12		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	

Anatek Labs, Inc.

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

Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-012	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-031-200311	Sampling Time	9:34 AM		
Matrix	Water	Sample Location	X0C0246-12		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Anatek Labs, Inc.

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-012	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-031-200311	Sampling Time	9:34 AM		
Matrix	Water	Sample Location	X0C0246-12		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 7:53:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-012			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C	101.6	70-130	
4-Bromofluorobenzene	EPA 8260C	97.6	70-130	
Toluene-d8	EPA 8260C	102.0	70-130	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-013	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	MWS-1-2-200311	Sampling Time	11:00 AM		
Matrix	Water	Sample Location	X0C0246-13		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-013	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	MWS-1-2-200311	Sampling Time	11:00 AM		
Matrix	Water	Sample Location	X0C0246-13		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Anatek Labs, Inc.

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-013	Sampling Date	3/11/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	MWS-1-2-200311	Sampling Time	11:00 AM		
Matrix	Water	Sample Location	X0C0246-13		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 8:26:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-013		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	89.2	70-130
4-Bromofluorobenzene	EPA 8260C	100.4	70-130
Toluene-d8	EPA 8260C	104.4	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312	Sampling Time	9:39 AM		
Matrix	Water	Sample Location	X0C0246-14		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312	Sampling Time	9:39 AM		
Matrix	Water	Sample Location	X0C0246-14		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM		
Client Sample ID	GWMS-005-200312	Sampling Time	9:39 AM				
Matrix	Water	Sample Location	X0C0246-14				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 8:59:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-014		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	100.8	70-130
4-Bromofluorobenzene	EPA 8260C	94.8	70-130
Toluene-d8	EPA 8260C	110.4	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014A	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312A	Sampling Time	9:39 AM		
Matrix	Water	Sample Location	X0C0246-4A		
Comments	Sample Matrix Spike				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	9.48	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,1,1-Trichloroethane	12.0	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	9.52	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,1,2-Trichloroethane	8.57	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,1-Dichloroethane	11.4	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,1-Dichloroethene	11.2	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,1-dichloropropene	9.71	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	9.30	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,2,3-Trichloropropane	9.49	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	9.42	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	9.31	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	8.99	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,2-Dibromoethane	8.75	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,2-Dichlorobenzene	9.26	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,2-Dichloroethane	11.7	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,2-Dichloropropane	9.40	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	10.2	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,3-Dichlorobenzene	9.55	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,3-Dichloropropane	8.78	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
1,4-Dichlorobenzene	9.42	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
2,2-Dichloropropane	11.6	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
2-Chlorotoluene	10.9	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
2-hexanone	9.26	ug/L	2.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
4-Chlorotoluene	11.0	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Acetone	11.7	ug/L	2.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Acrylonitrile	11.0	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Benzene	9.76	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Bromobenzene	10.1	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014A	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312A	Sampling Time	9:39 AM		
Matrix	Water	Sample Location	X0C0246-4A		
Comments	Sample Matrix Spike				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	11.3	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Bromodichloromethane	11.1	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Bromoform	9.54	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Bromomethane	14.0	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Carbon disulfide	10.3	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Carbon Tetrachloride	12.1	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Chlorobenzene	9.89	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Chloroethane	11.5	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Chloroform	11.4	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Chloromethane	9.50	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
cis-1,2-dichloroethene	10.5	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	8.74	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Dibromochloromethane	9.37	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Dibromomethane	10.8	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Dichlorodifluoromethane	8.64	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Ethylbenzene	10.5	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Hexachlorobutadiene	9.44	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Isopropylbenzene	11.2	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
m+p-Xylene	22.7	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	7.79	ug/L	2.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	8.61	ug/L	2.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Methylene chloride	10.2	ug/L	2.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	8.89	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Naphthalene	8.95	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
n-Butylbenzene	9.55	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
n-Propylbenzene	10.8	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
o-Xylene	11.1	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
p-isopropyltoluene	9.84	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014A	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312A	Sampling Time	9:39 AM		
Matrix	Water	Sample Location	X0C0246-4A		
Comments	Sample Matrix Spike				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	10.4	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Styrene	8.21	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
tert-Butylbenzene	11.0	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Tetrachloroethene	9.23	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Toluene	10.1	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	11.1	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	8.14	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Trichloroethene	9.44	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Trichlorofluoromethane	12.8	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	
Vinyl Chloride	10.7	ug/L	0.5	3/23/2020 11:09:00 AM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-014A		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	98.8	70-130
4-Bromofluorobenzene	EPA 8260C	110.4	70-130
Toluene-d8	EPA 8260C	106.0	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014B	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312B	Sampling Time	9:39 AM		
Matrix	Water	Sample Location	X0C0246-4B		
Comments	Sample Matrix Spike Duplicate				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	9.99	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,1,1-Trichloroethane	11.7	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	9.67	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,1,2-Trichloroethane	9.23	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,1-Dichloroethane	10.9	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,1-Dichloroethene	10.5	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,1-dichloropropene	9.77	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	9.64	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,2,3-Trichloropropane	10.4	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	9.79	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	9.16	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	9.76	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,2-Dibromoethane	9.73	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,2-Dichlorobenzene	9.44	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,2-Dichloroethane	11.4	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,2-Dichloropropane	9.69	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	9.90	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,3-Dichlorobenzene	9.68	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,3-Dichloropropane	9.45	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
1,4-Dichlorobenzene	9.89	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
2,2-Dichloropropane	11.3	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
2-Chlorotoluene	10.8	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
2-hexanone	10.2	ug/L	2.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
4-Chlorotoluene	11.0	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Acetone	12.7	ug/L	2.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Acrylonitrile	9.05	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Benzene	9.86	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Bromobenzene	10.2	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014B	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312B	Sampling Time	9:39 AM		
Matrix	Water	Sample Location	X0C0246-4B		
Comments	Sample Matrix Spike Duplicate				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	10.7	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Bromodichloromethane	11.2	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Bromoform	9.93	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Bromomethane	13.5	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Carbon disulfide	9.58	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Carbon Tetrachloride	12.2	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Chlorobenzene	9.85	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Chloroethane	11.2	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Chloroform	11.3	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Chloromethane	10.2	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
cis-1,2-dichloroethene	10.3	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	9.74	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Dibromochloromethane	10.4	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Dibromomethane	10.2	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Dichlorodifluoromethane	8.10	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Ethylbenzene	10.3	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Hexachlorobutadiene	10.3	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Isopropylbenzene	10.8	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
m+p-Xylene	21.6	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	8.70	ug/L	2.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	9.07	ug/L	2.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Methylene chloride	9.43	ug/L	2.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	9.66	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Naphthalene	9.76	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
n-Butylbenzene	9.77	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
n-Propylbenzene	10.8	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
o-Xylene	11.0	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
p-isopropyltoluene	9.95	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-014B	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMS-005-200312B	Sampling Time	9:39 AM		
Matrix	Water	Sample Location	X0C0246-4B		
Comments	Sample Matrix Spike Duplicate				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	10.3	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Styrene	7.70	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
tert-Butylbenzene	10.9	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Tetrachloroethene	9.29	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Toluene	9.97	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	10.6	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	9.46	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Trichloroethene	9.76	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Trichlorofluoromethane	12.3	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	
Vinyl Chloride	10.1	ug/L	0.5	3/23/2020 11:41:00 AM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-014B		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	99.6	70-130
4-Bromofluorobenzene	EPA 8260C	107.6	70-130
Toluene-d8	EPA 8260C	102.4	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-015	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-016-200312	Sampling Time	10:00 AM		
Matrix	Water	Sample Location	X0C0246-15		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	6.45	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	10.3	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	2.83	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	12.8	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	3.39	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	1.77	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
2-hexanone	5.05	ug/L	2.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Acetone	873	ug/L	2.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Benzene	13.2	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-015	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-016-200312	Sampling Time	10:00 AM		
Matrix	Water	Sample Location	X0C0246-15		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Chlorobenzene	1.44	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Chloroethane	10.7	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	8.59	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	2.71	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Ethylbenzene	59.0	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Isopropylbenzene	4.29	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
m+p-Xylene	39.1	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	243	ug/L	2.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	42.0	ug/L	2.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Naphthalene	14.5	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
n-Propylbenzene	1.24	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
o-Xylene	20.3	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	5.78	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-015	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-016-200312	Sampling Time	10:00 AM		
Matrix	Water	Sample Location	X0C0246-15		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Toluene	22.7	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	1.77	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Trichloroethene	1.08	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	
Vinyl Chloride	1.82	ug/L	0.5	3/24/2020 9:46:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-015		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	98.8	70-130
4-Bromofluorobenzene	EPA 8260C	114.4	70-130
Toluene-d8	EPA 8260C	103.6	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-016	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-023-200312	Sampling Time	10:07 AM		
Matrix	Water	Sample Location	X0C0246-16		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	2.17	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-016	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-023-200312	Sampling Time	10:07 AM		
Matrix	Water	Sample Location	X0C0246-16		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	1.37	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-016	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	GWMW-023-200312	Sampling Time	10:07 AM		
Matrix	Water	Sample Location	X0C0246-16		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 10:04:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-016		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	97.6	70-130
4-Bromofluorobenzene	EPA 8260C	99.6	70-130
Toluene-d8	EPA 8260C	117.2	70-130

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Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-017	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	MWS-1-1-200312	Sampling Time	10:17 AM		
Matrix	Water	Sample Location	X0C0246-17		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	2.17	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-017	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	MWS-1-1-200312	Sampling Time	10:17 AM		
Matrix	Water	Sample Location	X0C0246-17		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	1.47	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-017	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	MWS-1-1-200312	Sampling Time	10:17 AM		
Matrix	Water	Sample Location	X0C0246-17		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 10:37:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-017		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	100.0	70-130
4-Bromofluorobenzene	EPA 8260C	101.2	70-130
Toluene-d8	EPA 8260C	115.2	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
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Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-018	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	MWS-2-1-200312	Sampling Time	12:00 AM		
Matrix	Water	Sample Location	X0C0246-18		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Acetone	ND	ug/L	2.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Benzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	

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Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

Sample Number	200316006-018	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	MWS-2-1-200312	Sampling Time	12:00 AM		
Matrix	Water	Sample Location	X0C0246-18		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	

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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report

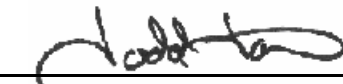
Sample Number	200316006-018	Sampling Date	3/12/2020	Date/Time Received	3/12/2020 10:50 AM
Client Sample ID	MWS-2-1-200312	Sampling Time	12:00 AM		
Matrix	Water	Sample Location	X0C0246-18		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Styrene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Toluene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/23/2020 12:15:00 PM	TEC	EPA 8260C	

Surrogate Data

Sample Number	200316006-018			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C	101.6	70-130	
4-Bromofluorobenzene	EPA 8260C	104.0	70-130	
Toluene-d8	EPA 8260C	107.2	70-130	

Authorized Signature



Todd Taruscio, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Trichloroethene	10.5	ug/L	10	105.0	80-120	3/23/2020	3/23/2020
Toluene	9.89	ug/L	10	98.9	80-120	3/23/2020	3/23/2020
Tetrachloroethene	9.77	ug/L	10	97.7	80-120	3/23/2020	3/23/2020
o-Xylene	11.5	ug/L	10	115.0	80-120	3/23/2020	3/23/2020
Ethylbenzene	10.8	ug/L	10	108.0	80-120	3/23/2020	3/23/2020
cis-1,2-dichloroethene	9.04	ug/L	10	90.4	80-120	3/23/2020	3/23/2020
Chloroform	9.89	ug/L	10	98.9	80-120	3/23/2020	3/23/2020
Chlorobenzene	10.3	ug/L	10	103.0	80-120	3/23/2020	3/23/2020
Benzene	10.2	ug/L	10	102.0	80-120	3/23/2020	3/23/2020
1,1-Dichloroethene	9.68	ug/L	10	96.8	80-120	3/23/2020	3/23/2020

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
200316006-014	Trichloroethene	ND	9.44	ug/L	10	94.4	70-130	3/23/2020	3/23/2020
200316006-014	Toluene	ND	10.1	ug/L	10	101.0	70-130	3/23/2020	3/23/2020
200316006-014	Tetrachloroethene	ND	9.23	ug/L	10	92.3	70-130	3/23/2020	3/23/2020
200316006-014	o-Xylene	ND	11.1	ug/L	10	111.0	70-130	3/23/2020	3/23/2020
200316006-014	Ethylbenzene	ND	10.5	ug/L	10	105.0	70-130	3/23/2020	3/23/2020
200316006-014	cis-1,2-dichloroethene	ND	10.5	ug/L	10	105.0	70-130	3/23/2020	3/23/2020
200316006-014	Chloroform	ND	11.4	ug/L	10	114.0	70-130	3/23/2020	3/23/2020
200316006-014	Chlorobenzene	ND	9.89	ug/L	10	98.9	70-130	3/23/2020	3/23/2020
200316006-014	Benzene	ND	9.76	ug/L	10	97.6	70-130	3/23/2020	3/23/2020
200316006-014	1,1-Dichloroethene	ND	11.2	ug/L	10	112.0	70-130	3/23/2020	3/23/2020

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Trichloroethene	9.76	ug/L	10	97.6	3.3	0-20	3/23/2020	3/23/2020
Toluene	9.97	ug/L	10	99.7	1.3	0-20	3/23/2020	3/23/2020
Tetrachloroethene	9.29	ug/L	10	92.9	0.6	0-20	3/23/2020	3/23/2020
o-Xylene	11.0	ug/L	10	110.0	0.9	0-20	3/23/2020	3/23/2020
Ethylbenzene	10.3	ug/L	10	103.0	1.9	0-20	3/23/2020	3/23/2020

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report Quality Control Data

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
cis-1,2-dichloroethene	10.3	ug/L	10	103.0	1.9	0-20	3/23/2020	3/23/2020
Chloroform	11.3	ug/L	10	113.0	0.9	0-20	3/23/2020	3/23/2020
Chlorobenzene	9.85	ug/L	10	98.5	0.4	0-20	3/23/2020	3/23/2020
Benzene	9.89	ug/L	10	98.9	1.3	0-20	3/23/2020	3/23/2020
1,1-Dichloroethene	10.5	ug/L	10	105.0	6.5	0-20	3/23/2020	3/23/2020

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020	3/23/2020
1,1,1-Trichloroethane	ND	ug/L	0.5	3/23/2020	3/23/2020
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/23/2020	3/23/2020
1,1,2-Trichloroethane	ND	ug/L	0.5	3/23/2020	3/23/2020
1,1-Dichloroethane	ND	ug/L	0.5	3/23/2020	3/23/2020
1,1-Dichloroethene	ND	ug/L	0.5	3/23/2020	3/23/2020
1,1-dichloropropene	ND	ug/L	0.5	3/23/2020	3/23/2020
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
1,2,3-Trichloropropane	ND	ug/L	0.5	3/23/2020	3/23/2020
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/23/2020	3/23/2020
1,2-Dibromoethane	ND	ug/L	0.5	3/23/2020	3/23/2020
1,2-Dichlorobenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
1,2-Dichloroethane	ND	ug/L	0.5	3/23/2020	3/23/2020
1,2-Dichloropropane	ND	ug/L	0.5	3/23/2020	3/23/2020
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
1,3-Dichlorobenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
1,3-Dichloropropane	ND	ug/L	0.5	3/23/2020	3/23/2020
1,4-Dichlorobenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
2,2-Dichloropropane	ND	ug/L	0.5	3/23/2020	3/23/2020
2-Chlorotoluene	ND	ug/L	0.5	3/23/2020	3/23/2020
2-hexanone	ND	ug/L	2.5	3/23/2020	3/23/2020
4-Chlorotoluene	ND	ug/L	0.5	3/23/2020	3/23/2020
Acetone	ND	ug/L	2.5	3/23/2020	3/23/2020
Acrylonitrile	ND	ug/L	0.5	3/23/2020	3/23/2020
Benzene	ND	ug/L	0.5	3/23/2020	3/23/2020

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
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COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Bromobenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
Bromochloromethane	ND	ug/L	0.5	3/23/2020	3/23/2020
Bromodichloromethane	ND	ug/L	0.5	3/23/2020	3/23/2020
Bromoform	ND	ug/L	0.5	3/23/2020	3/23/2020
Bromomethane	ND	ug/L	0.5	3/23/2020	3/23/2020
Carbon disulfide	ND	ug/L	0.5	3/23/2020	3/23/2020
Carbon Tetrachloride	ND	ug/L	0.5	3/23/2020	3/23/2020
Chlorobenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
Chloroethane	ND	ug/L	0.5	3/23/2020	3/23/2020
Chloroform	ND	ug/L	0.5	3/23/2020	3/23/2020
Chloromethane	ND	ug/L	0.5	3/23/2020	3/23/2020
cis-1,2-dichloroethene	ND	ug/L	0.5	3/23/2020	3/23/2020
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020	3/23/2020
Dibromochloromethane	ND	ug/L	0.5	3/23/2020	3/23/2020
Dibromomethane	ND	ug/L	0.5	3/23/2020	3/23/2020
Dichlorodifluoromethane	ND	ug/L	0.5	3/23/2020	3/23/2020
Ethylbenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
Hexachlorobutadiene	ND	ug/L	0.5	3/23/2020	3/23/2020
Isopropylbenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
m+p-Xylene	ND	ug/L	0.5	3/23/2020	3/23/2020
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/23/2020	3/23/2020
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/23/2020	3/23/2020
Methylene chloride	ND	ug/L	2.5	3/23/2020	3/23/2020
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/23/2020	3/23/2020
Naphthalene	ND	ug/L	0.5	3/23/2020	3/23/2020
n-Butylbenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
n-Propylbenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
o-Xylene	ND	ug/L	0.5	3/23/2020	3/23/2020
p-isopropyltoluene	ND	ug/L	0.5	3/23/2020	3/23/2020
sec-Butylbenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
Styrene	ND	ug/L	0.5	3/23/2020	3/23/2020
tert-Butylbenzene	ND	ug/L	0.5	3/23/2020	3/23/2020
Tetrachloroethene	ND	ug/L	0.5	3/23/2020	3/23/2020
Toluene	ND	ug/L	0.5	3/23/2020	3/23/2020
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/23/2020	3/23/2020
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/23/2020	3/23/2020

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
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COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 200316006
Project Name: SVL#X0C0246

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Trichloroethene	ND	ug/L	0.5	3/23/2020	3/23/2020
Trichlorofluoromethane	ND	ug/L	0.5	3/23/2020	3/23/2020
Vinyl Chloride	ND	ug/L	0.5	3/23/2020	3/23/2020

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; FL(NELAP):E87893; ID:ID00013; MT:CERT0028; NM: ID00013; NV:ID00013; OR:ID200001-002; WA:C595
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Login Report

Customer Name: SPOKANE COUNTY UTILITIES

Order ID: 200316006

22515 N. ELK CHATTAROY ROAD

Order Date: 3/16/2020

COLBERT WA 99005

Contact Name: SVL ANALYTICAL, INC.

Project Name: SVL#X0C0246

Comment:

Sample #: 200316006-001 **Customer Sample #:** GWDW-001-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020

Quantity: 4 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 8:20 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/24/2020	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-002 **Customer Sample #:** GWDW-002-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020

Quantity: 4 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 10:31 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/24/2020	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-003 **Customer Sample #:** GWDW-003-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020

Quantity: 4 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 9:43 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/24/2020	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Customer Name: SPOKANE COUNTY UTILITIES
22515 N. ELK CHATTAROY ROAD
COLBERT WA 99005

Order ID: 200316006
Order Date: 3/16/2020

Contact Name: SVL ANALYTICAL, INC.

Project Name: SVL#X0C0246

Comment:

Sample #: 200316006-004 **Customer Sample #:** GWMS-004-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020
Quantity: 4 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 12:23 PM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/24/2020	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-005 **Customer Sample #:** GWMW-009-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020
Quantity: 4 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 10:30 AM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/24/2020	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-006 **Customer Sample #:** GWMW-010-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020
Quantity: 3 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 9:50 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-007 **Customer Sample #:** GWMW-013-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020
Quantity: 3 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 12:03 PM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Customer Name: SPOKANE COUNTY UTILITIES
22515 N. ELK CHATTAROY ROAD
COLBERT WA 99005

Order ID: 200316006
Order Date: 3/16/2020

Contact Name: SVL ANALYTICAL, INC.

Project Name: SVL#X0C0246

Comment:

Sample #: 200316006-008 **Customer Sample #:** GWMW-014-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020
Quantity: 3 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 8:46 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-009 **Customer Sample #:** GWMW-019R-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020
Quantity: 3 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 1:30 PM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-010 **Customer Sample #:** GWMW-020-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020
Quantity: 3 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 12:00 PM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-011 **Customer Sample #:** GWMW-029-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020
Quantity: 4 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 1:55 PM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/24/2020	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Customer Name: SPOKANE COUNTY UTILITIES
22515 N. ELK CHATTAROY ROAD
COLBERT WA 99005

Order ID: 200316006
Order Date: 3/16/2020

Contact Name: SVL ANALYTICAL, INC.

Project Name: SVL#X0C0246

Comment:

Sample #: 200316006-012 **Customer Sample #:** GWMW-031-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020
Quantity: 3 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 9:34 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-013 **Customer Sample #:** MWS-1-2-200311

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/11/2020
Quantity: 4 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 11:00 AM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/24/2020	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-014 **Customer Sample #:** GWMS-005-200312

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/12/2020
Quantity: 12 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 9:39 AM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/24/2020	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-015 **Customer Sample #:** GWMW-016-200312

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/12/2020
Quantity: 3 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 10:00 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Customer Name: SPOKANE COUNTY UTILITIES
22515 N. ELK CHATTAROY ROAD
COLBERT WA 99005

Order ID: 200316006
Order Date: 3/16/2020

Contact Name: SVL ANALYTICAL, INC.

Project Name: SVL#X0C0246

Comment:

Sample #: 200316006-016 **Customer Sample #:** GWMW-023-200312

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/12/2020
Quantity: 3 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 10:07 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-017 **Customer Sample #:** MWS-1-1-200312

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/12/2020
Quantity: 3 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 10:17 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Sample #: 200316006-018 **Customer Sample #:** MWS-2-1-200312

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/12/2020
Quantity: 2 **Date Received:** 3/12/2020 10:50:00 AM **Time Collected:** 12:00 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/24/2020	<u>Normal (~10 Days)</u>

Customer Name: SPOKANE COUNTY UTILITIES
22515 N. ELK CHATTAROY ROAD
COLBERT WA 99005

Order ID: 200316006
Order Date: 3/16/2020

Contact Name: SVL ANALYTICAL, INC.

Project Name: SVL#X0C0246

Comment:

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature of the sample(s)? (°C)	1.9
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Are VOC samples free of headspace?	Yes
Is there a trip blank to accompany VOC samples?	Yes
Labels and chain agree?	Yes
Total number of containers?	65



Subcontract Order

One Government Gulch - PO Box 929

Kellogg ID 83837-0929

(208) 784-1248

X0C0246

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
(Coibert)
Project Name:
Routine

Project State of Origin:

Washington

Receiving Laboratory:

Anatek Labs (ID)
1282 Alturas Drive
Moscow, ID 83843
Phone: 208-883-2839
Fax: 208-882-9246

Report and Invoice to SVL Analytical, Inc.

Analysis	Due	HT Expires		
SVL ID: X0C0246-01 Client ID: GWDW-001-200311 -1			Ground Water	Sampled: 11-Mar-20 08:20
Sub SVOC EPA 8270D	27-Mar-20	25-Mar-20 08:20	DEDICATED QC	
Sub VOC 8260C	27-Mar-20	25-Mar-20 08:20	DEDICATED QC	
<i>Containers Supplied:</i>				
Raw Amber Glass (A)				
HCl VOA glass (B)				
HCl VOA glass (C)				
HCl VOA glass (D)				
SVL ID: X0C0246-02 Client ID: GWDW-002-200311 -2			Ground Water	Sampled: 11-Mar-20 10:31
Sub SVOC EPA 8270D	27-Mar-20	25-Mar-20 10:31	DEDICATED QC	
Sub VOC 8260C	27-Mar-20	25-Mar-20 10:31	DEDICATED QC	
<i>Containers Supplied:</i>				
Raw Amber Glass (A)				
HCl VOA glass (B)				
HCl VOA glass (C)				
HCl VOA glass (D)				
SVL ID: X0C0246-03 Client ID: GWDW-003-200311 -3			Ground Water	Sampled: 11-Mar-20 09:43
Sub SVOC EPA 8270D	27-Mar-20	25-Mar-20 09:43	DEDICATED QC	
Sub VOC 8260C	27-Mar-20	25-Mar-20 09:43	DEDICATED QC	
<i>Containers Supplied:</i>				
Raw Amber Glass (A)				
HCl VOA glass (B)				
HCl VOA glass (C)				
HCl VOA glass (D)				
SVL ID: X0C0246-04 Client ID: GWMS-004-200311 -4			Ground Water	Sampled: 11-Mar
Sub SVOC EPA 8270D	27-Mar-20	25-Mar-20 12:23	DEDICATED QC	
Sub VOC 8260C	27-Mar-20	25-Mar-20 12:23	DEDICATED QC	
<i>Containers Supplied:</i>				
Raw Amber Glass (A)				
HCl VOA glass (B)				
HCl VOA glass (C)				
HCl VOA glass (D)				

200316 006 **SCOU** Last Due 3/24/2020
 1st SAMP 3/11/2020 1st RCVD 3/12/2020
 SVL#X0C0246

Relinquished by: _____ Date/Time: _____ Received by: dw Date/Time: 3/18/20

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

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

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

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

SHIPPING CO: UPS
SHIPPING # 1K27352193931
OF COOLERS: 2
DATE: 3/12/2020
PAGE 2 **OF** 2

PARAMETERS:	DATE	TIME	VOLATILES		SEMI VOLATILES		SAMPLERS:	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
			8260C	8270D	BEHP	UNPRESERVED				
METHOD:			3-40 ml.	1 LITER			G. FISSETTE K. MCCARTHY M. TERNUS			
BOTTLES:			VOA'S	AMBER GLASS						
LAB:			ANATEK LAB	ANATEK LAB						
PRESERVATION:			HCl pH<2	UNPRESERVED						
SAMPLE IDENTIFICATION										
✓ GWMW-031-200311	3/11	0934	✓	✓	✓	✓	✓	14	8/14	
✓ MWS-1-2-200311	3/12	1100	✓	✓	✓	✓	✓	14	MS/MSD	
✓ GWMW-005-200312	3/12	0939	✓	✓	✓	✓	✓	14		
✓ GWMW-016-200312		1000	✓	✓	✓	✓	✓	14		
✓ GWMW-023-200312		1007	✓	✓	✓	✓	✓	14		
✓ MWS-1-1-200312		1017	✓	✓	✓	✓	✓	14		
✓ MWS-2-1-200312			✓	✓	✓	✓	✓	14		TRIP-BANKS

RELINQUISHED BY:
 SIGNATURE: *[Signature]*
 PRINT NAME: MIKE STERNUS
 DATE: 3/12/2020
 TIME: 1400

RECEIVED BY:
 SIGNATURE: *[Signature]*
 PRINT NAME: Stephanie Wright
 DATE: 3/13/20
 TIME: 1640
 COMPANY: Anatek

0202/42/3 006 900 913002
 972000X#7VS
 IN cooler #14 *

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

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

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

SHIPPING CO: UPS
SHIPPING # K0735219393
OF COOLERS: 2 \$9400

DATE: 3/12/2020
PAGE 1 **OF** 2

PARAMETERS:		VOLATILES		SEMI VOLATILES		SAMPLERS:		COMMENTS
METHOD:	BOTTLES:	8260C	8270D	1 LITER AMBER GLASS	ANATEK LAB	NUMBER OF BOTTLES	COOLER NUMBER	
PRESERVATION:	LAB:	HCl pH<2	UNPRESERVED					
SAMPLE IDENTIFICATION	DATE	TIME						
GW DM-001-200311	3/11	0820	X	X	X	4	8/14	
GW DM-002-200311		1031	X	X	X	4	8/14	
GW DM-003-200311		0943	X	X	X	4	8/14	
GW HS-004-200311		1223	X	X	X	4	8/14	
GW MW-009-200311		1030	X	X	X	4	8/14	
GW MW-010-200311		0950	X	X	X	4	14	
GW MW-013-200311		1203	X	X	X	4	14	
GW MW-014-200311		0846	X	X	X	4	14	
GW MW-019R-200311		1330	X	X	X	4	14	
GW MW-020-200311		1200	X	X	X	4	14	
GW MW-029-200311		1355	X	X	X	4	8/14	

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

RELINQUISHED BY: SIGNATURE: <i>Mike D. Davis</i> PRINT NAME: Mike S. Davis COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE	RECEIVED BY: SIGNATURE: <i>Stephanie Weber</i> PRINT NAME: Stephanie Weber COMPANY: Anatek
---	--

DATE: 3/12/2020 TIME: 1400

DATE: 3/13/20 TIME: 10:40

200316 006 SCOS 906 1613002
 972000X#7VS
 3/11/2020 1st SAMP
 3/12/2020 1st RCVD
 IN COOLER #14 *



Anatek Labs, Inc.

Sample Receipt and Preservation Form

200316 006 **SCOU** Last Due **3/24/2020**
1st SAMP 3/11/2020 1st RCVD 3/12/2020
SVL#X0C0246

Client Name: Spokane County Utilities Project: GWMW / MWSTAT: 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: 2 Type of Ice: Ice Ice Packs Blue Ice Dry Ice NonePacking Material: Bubble Wrap Bags Foam/Peanuts None Other: _____Cooler Temp As Read (°C): 1.9 Cooler Temp Corrected (°C): 1.9 Thermometer Used: 1R-3

Samples Received Intact?	<u>Yes</u>	No	N/A
Chain of Custody Present?	<u>Yes</u>	No	N/A
Samples Received Within Hold Time?	<u>Yes</u>	No	N/A
Samples Properly Preserved?	<u>Yes</u>	No	N/A
VOC Vials Free of Headpace (<6mm)?	<u>Yes</u>	No	N/A
VOC Trip Blanks Present?	<u>Yes</u>	No	N/A
Labels and Chains Agree?	<u>Yes</u>	No	N/A
Total Number of Sample Bottles Received:	<u>125</u>		

Comments:

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

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

HCl → 8260
None → 8270

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

Requested WO on 3/13/20 10:54 dw
Follow up email to Herman, Dave, Connor 3/16/20 dw
Received w/o 3/16/20 10:45 dw

Received/Inspected By: dw Date/Time: 3/12/20 10:50

APPENDIX D DISCHARGE MONITORING REPORTS

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

Company Name:	Spokane County Utilities Division, Mica Landfill		Permit #:	SIU-4953-0-A	
Discharge Address:	7810 S Hidden Hollow Drive Mica, WA 99023		Reporting Month:	October	
			Year:	2019	
Sample Point:	Wet well at the NW pond		Date/Time:	10/23/2019	
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.41 mg/L	N/A	
BTEX	*N/A	*N/A	<1.4 mg/L	Two/year	
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			1.7 mg/L	N/A	
Cyanide			1.9 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.05 mg/L	N/A	
Molybdenum			1.5 mg/L	N/A	
Nickel			3.98 mg/L	N/A	
Non-polar material (TPH)			100 mg/L	N/A	
Selenium			1.0 mg/L	N/A	
Silver			1.7 mg/L	N/A	
Zinc			5.6 mg/L	N/A	
I certify under penalty of perjury of the laws of the State of Washington: that I am authorized to sign this statement on behalf of the person or entity for which it is submitted. That this document and all attachments are reliable and were prepared based upon my personal knowledge or under my direction or supervision after a diligent inquiry in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my knowledge or inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.					
Facility Representative Signature:					
Printed Name and Title:	Austin Stewart, Water Resources Specialist				
Date:	11/6/2019				

Date	Flow (gpd)	pH
1	1,276	
2	1,003	7.91
3	909	
4	373	
5	340	
6	346	
7	403	7.87
8	392	
9	306	
10	149	7.96
11	69	
12	46	
13	360	
14	1,003	7.87
15	954	
16	896	
17	999	7.98
18	1,341	
19	2,263	
20	1,697	
21	2,190	8.10
22	3,417	
23	1,531	8.14
24	1,340	
25	1,252	
26	1,391	
27	1,203	
28	1,309	8.08
29	1,253	
30	1,158	
31	876	7.89
Total Flow	32,045.00	
Maximum	3,417.00	8.14
Minimum	46.00	7.87
Average Flow	1,033.71	
Permit Limit	78,000	5.0-11.0

*Spokane County conducted BTEX sampling on 10/23/2019, but the laboratory has not reported the BTEX results thus far. The County will report the BTEX results in the November 2019 DMR submittal.

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

Company Name:	Spokane County Utilities Division, Mica Landfill		Permit #:	SIU-4953-0-A	
Discharge Address:	7810 S Hidden Hollow Drive Mica, WA 99023		Reporting Month:	November	
			Year:	2019	
Sample Point:	Wet well at the NW pond	Date/Time:	10/23/2019		
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.41 mg/L	N/A	
BTEX	2.5 ug/L	< 2.5 ug/L	<1.4 mg/L	Two/year	4 grab samples
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			1.7 mg/L	N/A	
Cyanide			1.9 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.05 mg/L	N/A	
Molybdenum			1.5 mg/L	N/A	
Nickel			3.98 mg/L	N/A	
Non-polar material (TPH)			100 mg/L	N/A	
Selenium			1.0 mg/L	N/A	
Silver			1.7 mg/L	N/A	
Zinc			5.6 mg/L	N/A	

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

Facility Representative Signature:	
Printed Name and Title:	Austin Stewart, Water Resources Specialist
Date:	12/5/2019

Date	Flow (gpd)	pH
1	758	
2	717	
3	679	
4	760	7.75
5	735	
6	748	
7	715	
8	691	7.71
9	713	
10	866	
11	824	
12	1,951	7.60
13	2,199	
14	2,159	7.70
15	2,884	
16	2,325	
17	4,460	
18	2,490	7.83
19	3,414	
20	2,597	
21	2,675	
22	2,516	7.71
23	2,488	
24	2,674	
25	2,504	7.65
26	2,456	
27	2,289	7.56
28	2,395	
29	2,151	
30	2,221	
31		
Total Flow	57,054.00	
Maximum	4,460.00	7.83
Minimum	679.00	7.56
Average Flow	1,901.80	
Permit Limit	78,000	5.0-11.0

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

Company Name:	Spokane County Utilities Division, Mica Landfill		Permit #:	SIU-4953-0-A	
Discharge Address:	7810 S Hidden Hollow Drive Mica, WA 99023		Reporting Month:	December	
			Year:	2019	
Sample Point:	Wet well at the NW pond		Date/Time:		
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.41 mg/L	N/A	
BTEX			<1.4 mg/L	Two/year	
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			1.7 mg/L	N/A	
Cyanide			1.9 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.05 mg/L	N/A	
Molybdenum			1.5 mg/L	N/A	
Nickel			3.98 mg/L	N/A	
Non-polar material (TPH)			100 mg/L	N/A	
Selenium			1.0 mg/L	N/A	
Silver			1.7 mg/L	N/A	
Zinc			5.6 mg/L	N/A	
I certify under penalty of perjury of the laws of the State of Washington: that I am authorized to sign this statement on behalf of the person or entity for which it is submitted. That this document and all attachments are reliable and were prepared based upon my personal knowledge or under my direction or supervision after a diligent inquiry in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my knowledge or inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.					
Facility Representative Signature:					
Printed Name and Title:	Austin Stewart, Water Resources Specialist				
Date:	1/6/2020				

Date	Flow (gpd)	pH
1	1,837	
2	2,500	7.63
3	2,647	
4	2,934	
5	2,540	
6	2,365	7.65
7	3,657	
8	2,978	
9	2,519	7.77
10	2,394	
11	2,665	
12	6,617	7.82
13	7,272	
14	6,566	
15	5,890	
16	5,265	7.27
17	4,795	
18	4,370	
19	5,712	7.25
20	15,567	
21	17,432	
22	15,236	
23	12,311	7.51
24	10,379	
25	8,997	
26	7,776	7.63
27	13,312	
28	31,737	
29	5,679	
30	38,472	7.35
31	14,944	
Total Flow	267,365.00	
Maximum	38,472.00	7.82
Minimum	1,837.00	7.25
Average Flow	8,624.68	
Permit Limit	78,000	5.0-11.0

pH and flow.

SPOKANE COUNTY REGIONAL WATER RECLAMATION FACILITY DISCHARGE MONITORING REPORT

Company Name:	Spokane County Utilities Division, Mica Landfill			Permit #:	SIU-4953-0-A
Discharge Address:	7810 S Hidden Hollow Drive Mica, WA 99023			Reporting Month:	January
				Year:	2020
Sample Point:	Wet well at the NW pond		Date/Time:		
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.41 mg/L	N/A	
BTEX			<1.4 mg/L	Two/year	
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			1.7 mg/L	N/A	
Cyanide			1.9 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.05 mg/L	N/A	
Molybdenum			1.5 mg/L	N/A	
Nickel			3.98 mg/L	N/A	
Non-polar material (TPH)			100 mg/L	N/A	
Selenium			1.0 mg/L	N/A	
Silver			1.7 mg/L	N/A	
Zinc			5.6 mg/L	N/A	
I certify under penalty of perjury of the laws of the State of Washington: that I am authorized to sign this statement on behalf of the person or entity for which it is submitted. That this document and all attachments are reliable and were prepared based upon my personal knowledge or under my direction or supervision after a diligent inquiry in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my knowledge or inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.					
Facility Representative Signature:					
Printed Name and Title:		Austin Stewart, Water Resources Specialist			
Date:		2/5/2020			

Date	Flow (gpd)	pH
1	12,580	
2	14,734	7.44
3	44,559	
4	18,895	
5	14,591	
6	26,532	7.34
7	54,362	
8	32,835	7.15
9	23,302	
10	13,948	
11	12,898	
12	11,893	
13	38,594	7.41
14	37,570	
15	8,558	
16	15,550	
17	7,623	7.38
18	6,276	
19	6,269	
20	6,260	
21	48,425	7.20
22	16,108	
23	50,448	7.22
24	105,109	
25	108,622	
26	109,967	
27	88,523	7.12
28	56,821	
29	89,902	
30	53,522	
31	75,912	7.14
Total Flow	1,211,188.00	
Maximum	109,967.00	7.44
Minimum	6,260.00	7.12
Average Flow	39,070.58	
Permit Limit	78,000	5.0-11.0

pH and flow.

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

Company Name:	Spokane County Utilities Division, Mica Landfill		Permit #:	SIU-4953-0-A	
Discharge Address:	7810 S Hidden Hollow Drive Mica, WA 99023		Reporting Month:	February	
			Year:	2020	
Sample Point:	Wet well at the NW pond		Date/Time:		
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.41 mg/L	N/A	
BTEX			<1.4 mg/L	Two/year	
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			1.7 mg/L	N/A	
Cyanide			1.9 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.05 mg/L	N/A	
Molybdenum			1.5 mg/L	N/A	
Nickel			3.98 mg/L	N/A	
Non-polar material (TPH)			100 mg/L	N/A	
Selenium			1.0 mg/L	N/A	
Silver			1.7 mg/L	N/A	
Zinc			5.6 mg/L	N/A	
I certify under penalty of perjury of the laws of the State of Washington: that I am authorized to sign this statement on behalf of the person or entity for which it is submitted. That this document and all attachments are reliable and were prepared based upon my personal knowledge or under my direction or supervision after a diligent inquiry in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my knowledge or inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.					
Facility Representative Signature:					
Printed Name and Title:		Austin Stewart, Water Resources Specialist			
Date:		3/9/2020			

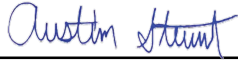
Date	Flow (gpd)	pH
1	52,987	
2	29,285	
3	53,705	7.17
4	49,197	
5	17,298	
6	42,160	7.02
7	27,408	
8	19,739	
9	31,404	
10	65,839	7.62
11	21,150	
12	36,393	
13	20,218	7.36
14	16,172	
15	15,632	
16	46,458	
17	17,323	
18	42,877	7.15
19	45,581	
20	11,747	7.18
21	9,513	
22	9,173	
23	9,249	
24	57,894	7.36
25	11,754	
26	9,370	
27	8,598	7.25
28	8,327	
29	8,183	
30		
31		
Total Flow	794,634.00	
Maximum	65,839.00	7.62
Minimum	8,183.00	7.02
Average Flow	27,401.17	
Permit Limit	78,000	5.0-11.0

pH and flow.

SPOKANE COUNTY REGIONAL WATER RECLAMATION FACILITY DISCHARGE MONITORING REPORT

Company Name:	Spokane County Utilities Division, Mica Landfill		Permit #:	SIU-4953-0-A	
Discharge Address:	7810 S Hidden Hollow Drive Mica, WA 99023		Reporting Month:	March	
			Year:	2020	
Sample Point:	Wet well at the NW pond		Date/Time:		
Sampled By:					
Parameter	Reporting Limit	Result	Permit Limit	Frequency	Sample Type
Arsenic			0.41 mg/L	N/A	
BTEX			<1.4 mg/L	Two/year	
Cadmium			0.07 mg/L	N/A	
Total Chromium			5.0 mg/L	N/A	
Copper			1.7 mg/L	N/A	
Cyanide			1.9 mg/L	N/A	
Lead			0.32 mg/L	N/A	
Mercury			0.05 mg/L	N/A	
Molybdenum			1.5 mg/L	N/A	
Nickel			3.98 mg/L	N/A	
Non-polar material (TPH)			100 mg/L	N/A	
Selenium			1.0 mg/L	N/A	
Silver			1.7 mg/L	N/A	
Zinc			5.6 mg/L	N/A	

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

Facility Representative Signature:	
Printed Name and Title:	Austin Stewart, Water Resources Specialist
Date:	4/8/2020

Date	Flow (gpd)	pH
1	7,208	
2	6,607	7.27
3	45,105	
4	10,491	
5	5,584	7.18
6	5,704	
7	9,057	
8	11,064	
9	24,179	
10	13,455	7.15
11	11,122	
12	9,320	7.21
13	8,099	
14	6,701	
15	6,178	
16	32,791	7.26
17	7,892	
18	6,121	7.30
19	5,698	
20	5,537	
21	5,523	
22	5,264	
23	4,829	7.26
24	16,574	
25	4,271	
26	2,906	
27	3,498	7.36
28	4,344	
29	4,543	
30	5,157	7.51
31	6,071	
Total Flow	300,893.00	
Maximum	45,105.00	7.51
Minimum	2,906.00	7.15
Average Flow	9,706.23	
Permit Limit	78,000	5.0-11.0

pH and flow.