



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

June 4, 2018

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 2018 Semi-Annual Progress Report.

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

Sincerely,

A handwritten signature in blue ink, appearing to read 'CH', is written over a horizontal line. The signature is fluid and stylized.

Cassandra Harvey
Water Resources Specialist

**MICA LANDFILL
SEMI-ANNUAL PERFORMANCE REPORT
MARCH 2018**



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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 1, 2017 through March 31, 2018.
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 2017 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	5
Total Organic Carbon	N	Tetrachloroethene	0.858
Inorganics		Toluene	100
Arsenic	5	Trichloroethene	3.98
Barium	560	Vinyl Chloride	0.023
Lead	15	Phthalates	
Manganese	1,926	bis(2- ethylhexyl) Phthalate	6
Mercury	0.4		
Vanadium	112		
Zinc	400		

LEACHATE		
Parameter	Units	Daily Maximum
Arsenic	mg/L	0.94
Cadmium	mg/L	0.11
Chromium	mg/L	5.0
Copper	mg/L	1.4
Lead	mg/L	0.32
Nickel	mg/L	3.98
Silver	mg/L	0.43
Zinc	mg/L	7.47
Cyanide Total	mg/L	0.49
Mercury	mg/L	0.2
FOG	mg/L	100
Benzene	mg/L	Sum total of the four results shall be less than or equal to 0.50
Toluene	mg/L	
Ethylbenzene	mg/L	
Xylene	mg/L	

Figure 1-1 Mica Landfill Site

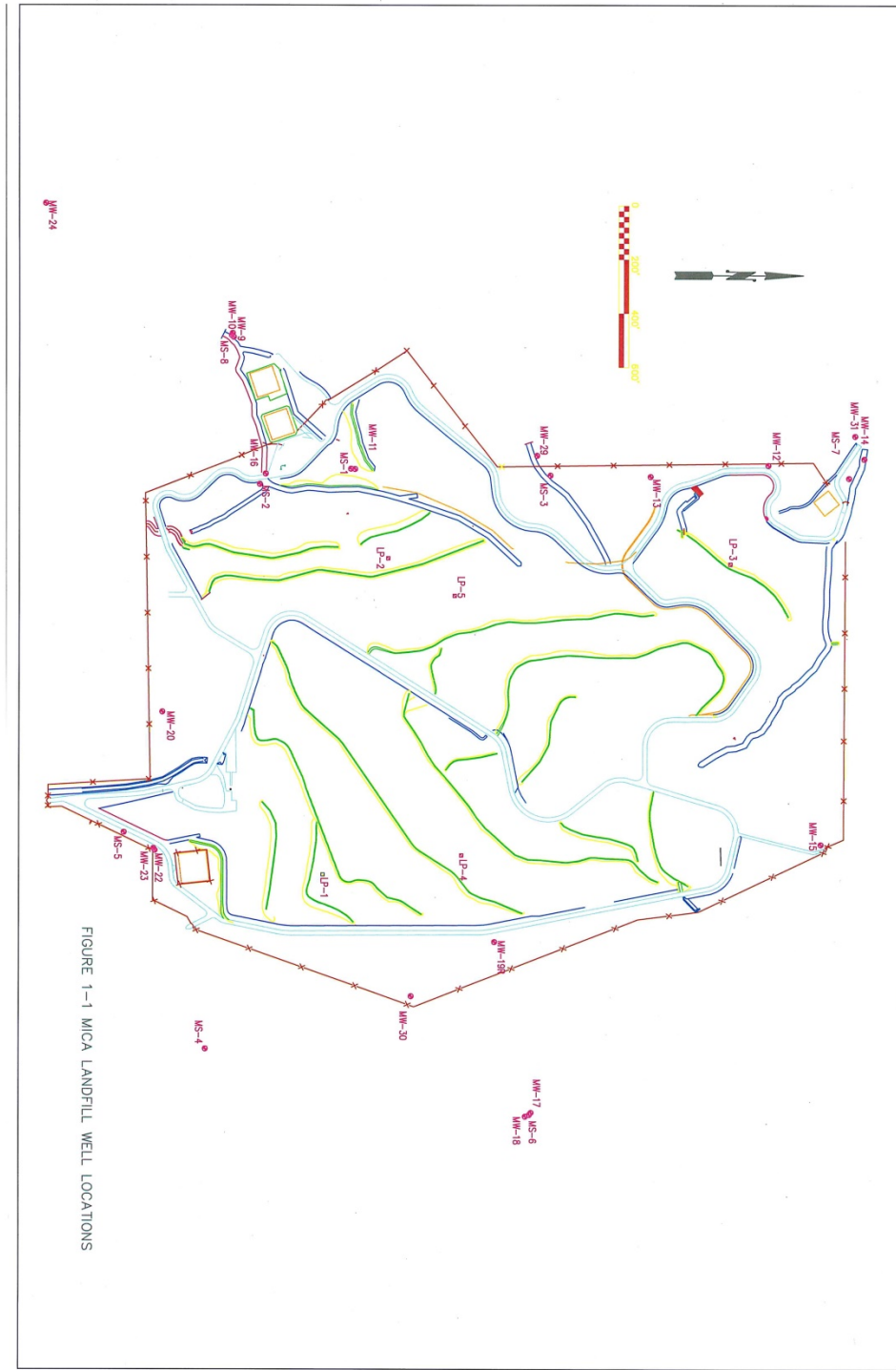


FIGURE 1-1 MICA LANDFILL WELL LOCATIONS

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			

Table 1-3 Mica Landfill Sampling Schedule

LOCATION	VOLATILES				BEHP				TOC/NH3				Cl/Aik/NO3/SO4/TDS				As/Ba/Hg/Mn/Pb/V/Zn			
	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
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	
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
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	
MS-004	X		X		X		X		X		X		X		X		X		X	
MW-019R	X		X						X		X		X		X		X		X	
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

2.1.1 PROBLEMS/ DEVIATIONS

During the March 2018 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.

2.1.2 FIELD DATA

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

2.1.3 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)

There were no concentrations found above the cleanup criteria for the northwest drainage wells during March 2018.

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

Four different VOC concentrations found in MW-16 were above the clean-up criteria during December 2017 and March 2018 quarterly sampling. The concentrations for arsenic, barium, and manganese found in MW-16 were also above the criteria.

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

Nitrate concentrations of MS-5 and MW-20 exceeded the cleanup criteria during the March 2018 sampling round.

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

Monitoring well MW-19R had a benzene concentration above the clean-up criteria during this sample round.

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

The zinc level at DW-1 exceeded the clean-up criteria and was below the Washington State drinking water standards. Wells DW-2 and DW-3 had nitrate concentrations above the criteria of 0.8 mg/L.

2.1.4 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.

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.

2.1.5 CONTINGENCY RESPONSE ACTIONS

The nitrate levels at domestic wells DW-2 and DW-3 were above clean-up criteria. As stated in previous reports, DW-2 historically shows this level of nitrate and further confirmation of the analyte presence is not needed. 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 above clean up criteria and is most likely due to previous well piping/pump repairs. The zinc concentrations in this well continue to exhibit a decreasing trend.

Table 2-1 Mica Landfill Field Parameters Summary

StationID	SampleDate	Temperature	pH	Conductivity	Turbidity	WElev
DW-001	3/7/2018	11.3	6.66	361	5.89	
DW-002	3/7/2018	8.7	6.91	320	0.19	
DW-003	3/7/2018	11.2	7.44	350	0.77	2395.27
MS-004	3/7/2018	9.2	6.95	273	1.61	2515.120049
MS-005	3/8/2018	10.7	6.65	363	0.39	2565.250098
MW-009	3/7/2018	6.4	6.87	401	3.31	2494.430029
MW-010	3/7/2018	7.4	7.28	125	0.14	2492.229883
MW-013	3/7/2018	10.5	6.96	414	0.89	2675.549941
MW-014	3/7/2018	9.5	6.94	156	0.87	2591.060059
MW-016	12/12/2017	9.1	6.93	2190	0.78	2537.509922
MW-016	3/8/2018	9.7	6.93	25	0.99	2538.629922
MW-019R	3/7/2018	10.6	7.12	190	8.82	2664.92002
MW-020	3/7/2018	10.8	7.38	528	119	2588.840049
MW-023	3/8/2018	10.4	7.18	882	0.1	2566.840039
MW-029	3/8/2018	9.2	6.28	641	0.86	2594.34002

Table 2-2 Criteria Exceedances for Reporting Period

StationID	SampleDate	Units	AnalyteAbbrev	Concentration	MTCAB
DW-001	3/7/18	mg/L	Zn	1.72	0.4
DW-002	3/7/18	mg/L	N-NO3	1.03	0.8
DW-003	3/7/18	mg/L	N-NO3	2.78	0.8
DW-003	3/7/18	mg/L	N-NO3	1.41	0.8
MS-004	3/7/18	mg/L	N-NO3	4.6	0.8
MS-005	3/8/18	mg/L	N-NO3	1.65	0.8
MW-016	12/12/17	ug/L	1,2-Dichloropropane	15.5	0.643
MW-016	3/8/18	ug/L	1,2-Dichloropropane	16.4	0.643
MW-016	12/12/17	ug/L	Acetone	1760	688
MW-016	3/8/18	ug/L	Acetone	2860	688
MW-016	12/12/17	mg/L	As	0.0617	0.005
MW-016	3/8/18	mg/L	As	0.0566	0.005
MW-016	12/12/17	mg/L	Ba	0.765	0.56
MW-016	3/8/18	mg/L	Ba	0.777	0.56
MW-016	12/12/17	ug/L	Benzene	15.2	0.795
MW-016	3/8/18	ug/L	Benzene	14.5	0.795
MW-016	3/8/18	ug/L	cis-1,2-DCE	33.4	33
MW-020	3/7/18	mg/L	N-NO3	6.66	0.8
MW-029	3/8/18	mg/L	N-NO3	0.986	0.8

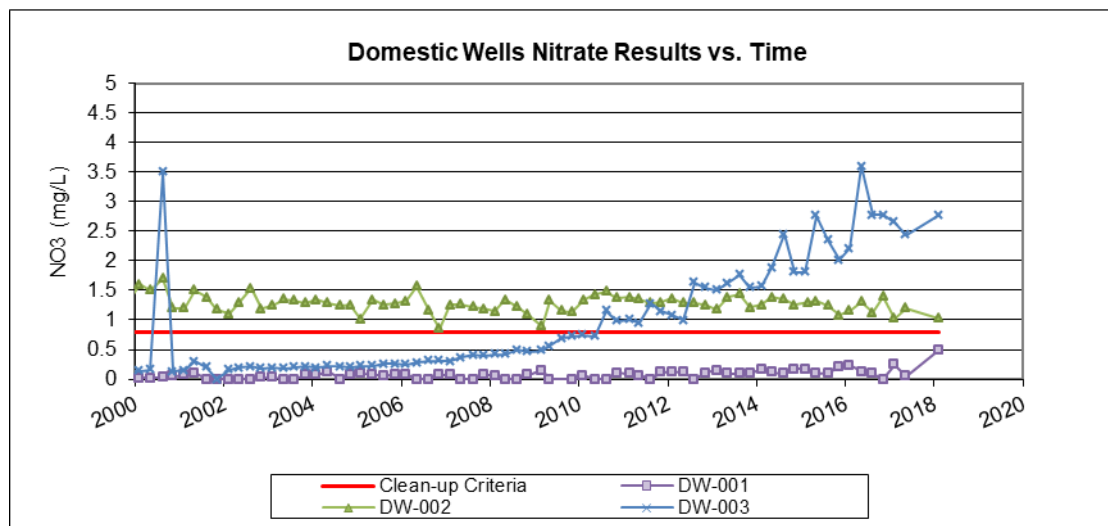
Table 2-3 Groundwater Analytical Results for the Reporting Period

Analyte	Units	Date	DW-001	DW-002	DW-003	MS-004	MS-005	MW-009	MW-010	MW-014	MW-016	MW-023	MW-029
Ammonia	mg/L	12-2017									0.189		
Ammonia	mg/L	3-2018	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U	0.03U	0.196	0.03U	0.03U
Chloride	mg/L	3-2018	17D	6.63	0.79	0.4	32D	15.5D	0.35	0.73	158D	67.1D	151D
N-Nitrate	mg/L	3-2018	0.496D	1.03D	2.78D	4.6D	1.65	0.05	0.256	0.052	0.207	0.05U	0.986
Sulfate	mg/L	3-2018	7.11	6.24	1.79	11.7	23.5	3.26	0.89	8.68	0.47	8.24	6.66
Total Dissolved Solids	mg/L	3-2018			220	168	266	233	109	113	1770	556	412
Total Organic Carbon	mg/L	12-2017									145		
Total Organic Carbon	mg/L	3-2018	1.53	1U	1U	1.21	1.74	2.6	1U	1U	161	3.55	1U
Arsenic	mg/L	12-2017									0.0617		
Arsenic	mg/L	3-2018	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.003U	0.0566	0.003U	0.003U
Barium	mg/L	12-2017									0.765		
Barium	mg/L	3-2018	0.0432	0.0332	0.0307	0.0579	0.0624	0.122	0.047	0.002U	0.777	0.167	0.105
Lead	mg/L	12-2017									0.0075U		
Lead	mg/L	3-2018	0.0075U	0.0075U	0.0075U	0.0075U	0.0075U	0.0075U	0.0075U	0.0075U	0.0075U	0.0075U	0.0075U
Manganese	mg/L	12-2017									1.15		
Manganese	mg/L	3-2018	0.0304	0.0116	0.008U	0.0119	0.008U	0.174	0.008U	0.873	1.14	1.03	0.008U
Mercury	mg/L	12-2017									0.0002U		
Mercury	mg/L	3-2018	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U	0.0002U
Vanadium	mg/L	12-2017									0.005U		
Vanadium	mg/L	3-2018	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U	0.005U
Zinc	mg/L	12-2017									0.01U		
Zinc	mg/L	3-2018	1.72	0.023	0.168	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U	0.01U
bis(2-Ethylhexyl)Phthalate	ug/L	3-2018	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U					1.42
1,2-Dichloroethane	ug/L	12-2017									5U		
1,2-Dichloroethane	ug/L	3-2018	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	10U	0.5U	0.5U
1,2-Dichloropropane	ug/L	12-2017									15.5		
1,2-Dichloropropane	ug/L	3-2018	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	0.5U	16.4	0.5U	0.5U
Acetone	ug/L	12-2017									1760		
Acetone	ug/L	3-2018	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2860	2.5U	2.5U

Blue bold indicates concentration detected above Method Reporting Limit.

D = Sample diluted during lab analysis

Figure 2-1 Nitrate Concentrations in Domestic Wells 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 3-3 along with local precipitation amounts. The total amount of leachate generated at the Mica Landfill from October 2017 through March 2018 was estimated at 3.8 million gallons.

Table 3-1 Leachate Production Summary

Month	Gallons	Precipitation (in)
Oct-17	31,767	2.08
Nov-17	419,855	2.81
Dec-17	700,170	2.31
Jan-18	1,734,976	3.25
Feb-18	895,212	1.71
Mar-18	1,165,185	1.91
Total	3,795,373	6.87

APPENDIX A DATA VALIDATION SUMMARY

Analytical data for the December 2017/March 2018 sample round was reviewed using quality control (QC) criteria documented in the analytical method, *National Functional Guidelines for Organic Data Review and Inorganic Data Review (1994)*, and the *Mica Landfill Remedial Action Plan (November 2003)*.

No data were qualified during this sample round.

Data Qualifier Summary for December 2017/March 2018 Sampling Results

[illegible]

APPENDICES

APPENDIX B GROUNDWATER SAMPLING FIELD SHEETS



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: **X7L0229**
Reported: 04-Jan-18 15:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWMW-016-171212	X7L0229-01	Ground Water	12-Dec-17 10:15	GF/KM	13-Dec-2017	Q5

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

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

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

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



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: **X7L0229**
Reported: 04-Jan-18 15:55

Client Sample ID: **GWMW-016-171212**SVL Sample ID: **X7L0229-01 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 12-Dec-17 10:15
Received: 13-Dec-17
Sampled By: GF/KM

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

Metals (Total)

EPA 7470A	Mercury	< 0.00020	mg/L	0.00020	0.000076		X752047	MWD	12/28/17 12:43	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.765	mg/L	0.0020	0.0016		X750153	DT	01/04/18 14:30	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0052		X750153	DT	01/04/18 14:30	
EPA 6010D	Manganese	1.15	mg/L	0.0080	0.0049		X750153	DT	01/04/18 14:30	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0028		X750153	DT	01/04/18 14:30	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.003		X750153	DT	01/04/18 14:30	
EPA 6020B	Arsenic	0.0617	mg/L	0.00300	0.00021		X750159	KWH	01/03/18 06:34	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	0.189	mg/L	0.030	0.005		X751210	SCM	12/22/17 12:00	
SM 5310B	Total Organic Carbon	145	mg/L	1.00	0.18		X751102	SM	12/19/17 18:24	

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

John Kern
Laboratory Director



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

Work Order: **X7L0229**
Reported: 04-Jan-18 15:55

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total)								
EPA 7470A	Mercury	mg/L	<0.00020	0.000076	0.00020	X752047	28-Dec-17	
Metals (Total Recoverable)								
EPA 6010D	Barium	mg/L	<0.0020	0.0016	0.0020	X750153	04-Jan-18	
EPA 6010D	Lead	mg/L	<0.0075	0.0052	0.0075	X750153	04-Jan-18	
EPA 6010D	Manganese	mg/L	<0.0080	0.0049	0.0080	X750153	04-Jan-18	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0028	0.0050	X750153	04-Jan-18	
EPA 6010D	Zinc	mg/L	<0.010	0.003	0.010	X750153	04-Jan-18	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X750159	03-Jan-18	
Classical Chemistry Parameters								
EPA 350.1	Ammonia as N	mg/L	<0.030	0.005	0.030	X751210	22-Dec-17	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.18	1.00	X751102	19-Dec-17	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)									
EPA 7470A	Mercury	mg/L	0.00491	0.00500	98.2	80 - 120	X752047	28-Dec-17	
Metals (Total Recoverable)									
EPA 6010D	Barium	mg/L	1.06	1.00	106	80 - 120	X750153	04-Jan-18	
EPA 6010D	Lead	mg/L	1.01	1.00	101	80 - 120	X750153	04-Jan-18	
EPA 6010D	Manganese	mg/L	0.997	1.00	99.7	80 - 120	X750153	04-Jan-18	
EPA 6010D	Vanadium	mg/L	1.04	1.00	104	80 - 120	X750153	04-Jan-18	
EPA 6010D	Zinc	mg/L	1.01	1.00	101	80 - 120	X750153	04-Jan-18	
EPA 6020B	Arsenic	mg/L	0.0232	0.0250	92.7	80 - 120	X750159	03-Jan-18	
Classical Chemistry Parameters									
EPA 350.1	Ammonia as N	mg/L	1.01	1.00	101	90 - 110	X751210	22-Dec-17	
SM 5310B	Total Organic Carbon	mg/L	33.7	34.3	98.2	90 - 110	X751102	19-Dec-17	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Recovery	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	mg/L	0.00067	<0.00020	0.00100	67.1	75 - 125	X752047	28-Dec-17	M2
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.05	0.0228	1.00	103	75 - 125	X750153	04-Jan-18	
EPA 6010D	Lead	mg/L	1.01	<0.0075	1.00	101	75 - 125	X750153	04-Jan-18	
EPA 6010D	Manganese	mg/L	1.30	0.329	1.00	97.4	75 - 125	X750153	04-Jan-18	
EPA 6010D	Vanadium	mg/L	1.03	<0.0050	1.00	103	75 - 125	X750153	04-Jan-18	
EPA 6010D	Zinc	mg/L	1.04	0.019	1.00	102	75 - 125	X750153	04-Jan-18	
EPA 6020B	Arsenic	mg/L	0.0847	0.0617	0.0250	92.0	75 - 125	X750159	03-Jan-18	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X751210	22-Dec-17	



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

Work Order: **X7L0229**
Reported: 04-Jan-18 15:55

Quality Control - MATRIX SPIKE Data (Continued)

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Recovery	Acceptance Limits	Batch ID	Analyzed	Notes
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Classical Chemistry Parameters (Continued)

EPA 350.1	Ammonia as N	mg/L	1.02	<0.030	1.00	102	90 - 110	X751210	22-Dec-17	
SM 5310B	Total Organic Carbon	mg/L	50.4	<1.00	50.0	99.7	80 - 120	X751102	19-Dec-17	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	% Rec.	RPD	RPD Limit	Batch ID	Analyzed	Notes
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Metals (Total)

EPA 7470A	Mercury	mg/L	0.00068	0.00067	0.00100	68.3	1.8	20	X752047	28-Dec-17	M2
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.05	1.05	1.00	103	0.3	20	X750153	04-Jan-18	
EPA 6010D	Lead	mg/L	0.997	1.01	1.00	99.7	1.2	20	X750153	04-Jan-18	
EPA 6010D	Manganese	mg/L	1.30	1.30	1.00	97.4	0.1	20	X750153	04-Jan-18	
EPA 6010D	Vanadium	mg/L	1.03	1.03	1.00	103	0.5	20	X750153	04-Jan-18	
EPA 6010D	Zinc	mg/L	1.03	1.04	1.00	101	1.2	20	X750153	04-Jan-18	
EPA 6020B	Arsenic	mg/L	0.0862	0.0847	0.0250	98.1	1.8	20	X750159	03-Jan-18	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.03	1.03	1.00	103	0.7	20	X751210	22-Dec-17	
SM 5310B	Total Organic Carbon	mg/L	49.5	50.4	50.0	98.0	1.8	20	X751102	19-Dec-17	

Notes and Definitions

M2	Matrix spike recovery was low, but the LCS recovery was acceptable.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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

Batch #: 171213060
Project Name: SVL #X7L0233

Analytical Results Report

Sample Number	171213060-001	Sampling Date	12/12/2017	Date/Time Received	12/13/2017 10:01 AM
Client Sample ID	GWMW-016-171212	Sampling Time	10:15 AM		
Matrix	Water	Sample Location	X7L0233-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,1-Dichloroethane	9.56	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	9.92	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,2-Dichloropropane	15.5	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
2-hexanone	ND	ug/L	25	12/18/2017	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Acetone	1760	ug/L	25	12/18/2017	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Benzene	15.2	ug/L	5	12/18/2017	SAT	EPA 8260C	

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

Batch #: 171213060
Project Name: SVL #X7L0233

Attn:

Analytical Results Report

Sample Number	171213060-001	Sampling Date	12/12/2017	Date/Time Received	12/13/2017 10:01 AM
Client Sample ID	GWMW-016-171212	Sampling Time	10:15 AM		
Matrix	Water	Sample Location	X7L0233-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromobenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Bromochloromethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Bromoform	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Bromomethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Chloroethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Chloroform	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Chloromethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
cis-1,2-dichloroethene	31.5	ug/L	5	12/18/2017	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Ethylbenzene	63.1	ug/L	5	12/18/2017	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
m+p-Xylene	43.2	ug/L	5	12/18/2017	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	1100	ug/L	25	12/18/2017	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	112	ug/L	25	12/18/2017	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	25	12/18/2017	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Naphthalene	14.0	ug/L	5	12/18/2017	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
o-Xylene	20.2	ug/L	5	12/18/2017	SAT	EPA 8260C	

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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005

Batch #: 171213060
Project Name: SVL #X7L0233

Attn:

Analytical Results Report

Sample Number	171213060-001	Sampling Date	12/12/2017	Date/Time Received	12/13/2017 10:01 AM
Client Sample ID	GWMW-016-171212	Sampling Time	10:15 AM		
Matrix	Water	Sample Location	X7L0233-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
p-isopropyltoluene	10.2	ug/L	5	12/18/2017	SAT	EPA 8260C	
sec-Butylbenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Styrene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Toluene	48.2	ug/L	5	12/18/2017	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	5	12/18/2017	SAT	EPA 8260C	

Surrogate Data

Sample Number	171213060-001			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C	99.2	70-130	
4-Bromofluorobenzene	EPA 8260C	99.2	70-130	
Toluene-d8	EPA 8260C	100.0	70-130	

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

Batch #: 171213060
Project Name: SVL #X7L0233

Attn:

Analytical Results Report

Sample Number	171213060-002	Sampling Date	12/12/2017	Date/Time Received	12/13/2017 10:01 AM
Client Sample ID	MWS-2-1-171212	Sampling Time			
Matrix	Water	Sample Location	X7L0233-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	12/18/2017	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	12/18/2017	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	

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

Batch #: 171213060
Project Name: SVL #X7L0233

Attn:

Analytical Results Report

Sample Number	171213060-002	Sampling Date	12/12/2017	Date/Time Received	12/13/2017 10:01 AM
Client Sample ID	MWS-2-1-171212	Sampling Time			
Matrix	Water	Sample Location	X7L0233-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	12/18/2017	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	12/18/2017	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	12/18/2017	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	

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

Batch #: 171213060
Project Name: SVL #X7L0233

Attn:

Analytical Results Report

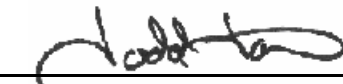
Sample Number	171213060-002	Sampling Date	12/12/2017	Date/Time Received	12/13/2017 10:01 AM
Client Sample ID	MWS-2-1-171212	Sampling Time			
Matrix	Water	Sample Location	X7L0233-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	12/18/2017	SAT	EPA 8260C	

Surrogate Data

Sample Number	171213060-002			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C	100.0	70-130	
4-Bromofluorobenzene	EPA 8260C	98.0	70-130	
Toluene-d8	EPA 8260C	100.0	70-130	

Authorized Signature



Todd Taruscio, Lab Manager

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

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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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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005

Batch #: 171213060
Project Name: SVL #X7L0233

Attn:

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Trichloroethene	9.03	ug/L	10	90.3	80-120	12/19/2017	12/19/2017
Toluene	8.63	ug/L	10	86.3	80-120	12/19/2017	12/19/2017
Tetrachloroethene	10.2	ug/L	10	102.0	80-120	12/19/2017	12/19/2017
o-Xylene	9.25	ug/L	10	92.5	80-120	12/19/2017	12/19/2017
Ethylbenzene	9.66	ug/L	10	96.6	80-120	12/19/2017	12/19/2017
cis-1,2-dichloroethene	9.28	ug/L	10	92.8	80-120	12/19/2017	12/19/2017
Chlorobenzene	9.31	ug/L	10	93.1	80-120	12/19/2017	12/19/2017
Benzene	9.32	ug/L	10	93.2	80-120	12/19/2017	12/19/2017
1,1-Dichloroethene	9.18	ug/L	10	91.8	80-120	12/19/2017	12/19/2017

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
171218004-008	Trichloroethene	ND	9.74	ug/L	10	97.4	70-130	12/19/2017	12/19/2017
171218004-008	Toluene	ND	10.3	ug/L	10	103.0	70-130	12/19/2017	12/19/2017
171218004-008	Tetrachloroethene	ND	9.78	ug/L	10	97.8	70-130	12/19/2017	12/19/2017
171218004-008	o-Xylene	ND	9.93	ug/L	10	99.3	70-130	12/19/2017	12/19/2017
171218004-008	Ethylbenzene	ND	9.94	ug/L	10	99.4	70-130	12/19/2017	12/19/2017
171218004-008	cis-1,2-dichloroethene	ND	9.74	ug/L	10	97.4	70-130	12/19/2017	12/19/2017
171218004-008	Chlorobenzene	ND	9.58	ug/L	10	95.8	70-130	12/19/2017	12/19/2017
171218004-008	Benzene	ND	9.60	ug/L	10	96.0	70-130	12/19/2017	12/19/2017
171218004-008	1,1-Dichloroethene	ND	9.68	ug/L	10	96.8	70-130	12/19/2017	12/19/2017

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Trichloroethene	9.51	ug/L	10	95.1	2.4	0-25	12/19/2017	12/19/2017
Toluene	10.1	ug/L	10	101.0	2.0	0-25	12/19/2017	12/19/2017
Tetrachloroethene	9.71	ug/L	10	97.1	0.7	0-25	12/19/2017	12/19/2017
o-Xylene	9.86	ug/L	10	98.6	0.7	0-25	12/19/2017	12/19/2017
Ethylbenzene	9.77	ug/L	10	97.7	1.7	0-25	12/19/2017	12/19/2017
cis-1,2-dichloroethene	9.65	ug/L	10	96.5	0.9	0-25	12/19/2017	12/19/2017
Chlorobenzene	9.51	ug/L	10	95.1	0.7	0-25	12/19/2017	12/19/2017
Benzene	9.49	ug/L	10	94.9	1.2	0-25	12/19/2017	12/19/2017
1,1-Dichloroethene	9.50	ug/L	10	95.0	1.9	0-25	12/19/2017	12/19/2017

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

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

Batch #: 171213060
Project Name: SVL #X7L0233

Attn:

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	12/19/2017	12/19/2017
1,1,1-Trichloroethane	ND	ug/L	0.5	12/19/2017	12/19/2017
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	12/19/2017	12/19/2017
1,1,2-Trichloroethane	ND	ug/L	0.5	12/19/2017	12/19/2017
1,1-Dichloroethane	ND	ug/L	0.5	12/19/2017	12/19/2017
1,1-Dichloroethene	ND	ug/L	0.5	12/19/2017	12/19/2017
1,1-dichloropropene	ND	ug/L	0.5	12/19/2017	12/19/2017
1,2,3-Trichlorobenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
1,2,3-Trichloropropane	ND	ug/L	0.5	12/19/2017	12/19/2017
1,2,4-Trichlorobenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
1,2,4-Trimethylbenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	12/19/2017	12/19/2017
1,2-Dibromoethane	ND	ug/L	0.5	12/19/2017	12/19/2017
1,2-Dichlorobenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
1,2-Dichloroethane	ND	ug/L	0.5	12/19/2017	12/19/2017
1,2-Dichloropropane	ND	ug/L	0.5	12/19/2017	12/19/2017
1,3,5-Trimethylbenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
1,3-Dichlorobenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
1,3-Dichloropropane	ND	ug/L	0.5	12/19/2017	12/19/2017
1,4-Dichlorobenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
2,2-Dichloropropane	ND	ug/L	0.5	12/19/2017	12/19/2017
2-Chlorotoluene	ND	ug/L	0.5	12/19/2017	12/19/2017
2-hexanone	ND	ug/L	2.5	12/19/2017	12/19/2017
4-Chlorotoluene	ND	ug/L	0.5	12/19/2017	12/19/2017
Acetone	ND	ug/L	2.5	12/19/2017	12/19/2017
Acrylonitrile	ND	ug/L	0.5	12/19/2017	12/19/2017
Benzene	ND	ug/L	0.5	12/19/2017	12/19/2017
Bromobenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
Bromochloromethane	ND	ug/L	0.5	12/19/2017	12/19/2017
Bromodichloromethane	ND	ug/L	0.5	12/19/2017	12/19/2017
Bromoform	ND	ug/L	0.5	12/19/2017	12/19/2017
Bromomethane	ND	ug/L	0.5	12/19/2017	12/19/2017
Carbon disulfide	ND	ug/L	0.5	12/19/2017	12/19/2017
Carbon Tetrachloride	ND	ug/L	0.5	12/19/2017	12/19/2017
Chlorobenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
Chloroethane	ND	ug/L	0.5	12/19/2017	12/19/2017
Chloroform	ND	ug/L	0.5	12/19/2017	12/19/2017

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

Batch #: 171213060
Project Name: SVL #X7L0233

Attn:

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Chloromethane	ND	ug/L	0.5	12/19/2017	12/19/2017
cis-1,2-dichloroethene	ND	ug/L	0.5	12/19/2017	12/19/2017
cis-1,3-Dichloropropene	ND	ug/L	0.5	12/19/2017	12/19/2017
Dibromochloromethane	ND	ug/L	0.5	12/19/2017	12/19/2017
Dibromomethane	ND	ug/L	0.5	12/19/2017	12/19/2017
Dichlorodifluoromethane	ND	ug/L	0.5	12/19/2017	12/19/2017
Ethylbenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
Hexachlorobutadiene	ND	ug/L	0.5	12/19/2017	12/19/2017
Isopropylbenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
m+p-Xylene	ND	ug/L	0.5	12/19/2017	12/19/2017
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	12/19/2017	12/19/2017
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	12/19/2017	12/19/2017
Methylene chloride	ND	ug/L	2.5	12/19/2017	12/19/2017
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	12/19/2017	12/19/2017
Naphthalene	ND	ug/L	0.5	12/19/2017	12/19/2017
n-Butylbenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
n-Propylbenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
o-Xylene	ND	ug/L	0.5	12/19/2017	12/19/2017
p-isopropyltoluene	ND	ug/L	0.5	12/19/2017	12/19/2017
sec-Butylbenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
Styrene	ND	ug/L	0.5	12/19/2017	12/19/2017
tert-Butylbenzene	ND	ug/L	0.5	12/19/2017	12/19/2017
Tetrachloroethene	ND	ug/L	0.5	12/19/2017	12/19/2017
Toluene	ND	ug/L	0.5	12/19/2017	12/19/2017
trans-1,2-Dichloroethene	ND	ug/L	0.5	12/19/2017	12/19/2017
trans-1,3-Dichloropropene	ND	ug/L	0.5	12/19/2017	12/19/2017
Trichloroethene	ND	ug/L	0.5	12/19/2017	12/19/2017
Trichlorofluoromethane	ND	ug/L	0.5	12/19/2017	12/19/2017
Vinyl Chloride	ND	ug/L	0.5	12/19/2017	12/19/2017

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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Login Report

Customer Name: SPOKANE COUNTY UTILITIES

Order ID: 171213060

22515 N. ELK CHATTAROY ROAD

Order Date: 12/13/2017

COLBERT

WA

99005

Contact Name:

Project Name: SVL #X7L0233

Comment:

Sample #: 171213060-001 **Customer Sample #:** GWMW-016-171212

Recv'd:



Matrix: Water

Collector:

Date Collected: 12/12/2017

Quantity: 3

Date Received: 12/13/2017 10:01:00 AM

Time Collected: 10:15 AM

Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	12/26/2017	<u>Normal (~10 Days)</u>

Sample #: 171213060-002 **Customer Sample #:** MWS-2-1-171212

Recv'd:



Matrix: Water

Collector:

Date Collected: 12/12/2017

Quantity: 2

Date Received: 12/13/2017 10:01:00 AM

Time Collected:

Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	12/26/2017	<u>Normal (~10 Days)</u>

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature of the sample(s)? (°C)	3.3
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?	5

SVI #X	171213	060	SCOU	Last Due	12/26/2017
	1st SAMP	12/12/201	1st RCVD		12/13/2017

DATE: 12/12/2017

PAGE 1 OF 1

ANATEK LABS RECEIVING LIST

RECEIVED INTACT

TEMP: 3.3 °C

LABELS & CHAINS AGREE

NO HEADSPACE

THERM # 1

ICE / ICE-PACKS PRESENT

CUSTODY SEALS PRESENT

PRESERVATIVES: HC1
NUMBER OF CONTAINERS: 5 SHIPPED VIA: UPS
DATE & TIME: 12/13/17 1001 INSPECTED BY: LAE



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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWDW-001-180307	X8C0138-01	Ground Water	07-Mar-18 08:08	KM	08-Mar-2018	
GWDW-002-180307	X8C0138-02	Ground Water	07-Mar-18 09:46	KM	08-Mar-2018	
GWMW-009-180307	X8C0138-03	Ground Water	07-Mar-18 09:00	KM	08-Mar-2018	
GWMW-010-180307	X8C0138-04	Ground Water	07-Mar-18 10:38	KM	08-Mar-2018	
GWMW-013-180307	X8C0138-05	Ground Water	07-Mar-18 14:00	KM	08-Mar-2018	
GWMW-014-180307	X8C0138-06	Ground Water	07-Mar-18 12:50	KM	08-Mar-2018	
GWMW-19R-180307	X8C0138-07	Ground Water	07-Mar-18 14:14	KM	08-Mar-2018	
GWMW-020-180307	X8C0138-08	Ground Water	07-Mar-18 11:56	KM	08-Mar-2018	
GWMW-031-180307	X8C0138-09	Ground Water	07-Mar-18 09:30	KM	08-Mar-2018	
GWDW-003-180307	X8C0138-10	Ground Water	07-Mar-18 12:19	KM	08-Mar-2018	
GWMS-004-180307	X8C0138-11	Ground Water	07-Mar-18 14:47	KM	08-Mar-2018	
MWS-1-1-180307	X8C0138-12	Ground Water	07-Mar-18 11:59	KM	08-Mar-2018	

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.

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

Case Narrative: X8C0138

03/23/18 DG Sample 8 was decanted before TOC analysis due to sediment.



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Kellogg, ID 83837-0929

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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **GWDW-001-180307**
SVL Sample ID: **X8C0138-01 (Ground Water)**

Sampled: 07-Mar-18 08:08
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 13:54	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0432	mg/L	0.0020	0.0019		X810225	AS	03/21/18 11:22	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 11:22	
EPA 6010D	Manganese	0.0304	mg/L	0.0080	0.0034		X810225	AS	03/21/18 11:22	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 11:22	
EPA 6010D	Zinc	1.72	mg/L	0.010	0.005		X810225	AS	03/21/18 11:22	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:06	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 15:26	
SM 2320B	Total Alkalinity	158	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:45	
SM 2320B	Bicarbonate	158	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:45	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:45	
SM 5310B	Total Organic Carbon	1.53	mg/L	1.00	0.38		X812168	SCM	03/22/18 11:42	

Anions by Ion Chromatography

EPA 300.0	Chloride	17.0	mg/L	0.40	0.24	2	X810210	DJS	03/08/18 20:58	D2
EPA 300.0	Nitrate as N	0.496	mg/L	0.100	0.054	2	X810210	DJS	03/08/18 20:58	D1
EPA 300.0	Sulfate as SO₄	7.11	mg/L	0.30	0.15		X810210	DJS	03/08/18 17:09	

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

Kirby Gray
Technical Director



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **GWDW-002-180307**SVL Sample ID: **X8C0138-02 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 09:46
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 13:56	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0332	mg/L	0.0020	0.0019		X810225	AS	03/21/18 11:32	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 11:32	
EPA 6010D	Manganese	0.0116	mg/L	0.0080	0.0034		X810225	AS	03/21/18 11:32	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 11:32	
EPA 6010D	Zinc	0.023	mg/L	0.010	0.005		X810225	AS	03/21/18 11:32	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:08	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 15:28	
SM 2320B	Total Alkalinity	156	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:48	
SM 2320B	Bicarbonate	156	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:48	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:48	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X812168	SCM	03/22/18 11:55	

Anions by Ion Chromatography

EPA 300.0	Chloride	6.63	mg/L	0.20	0.12		X810210	DJS	03/08/18 17:24	
EPA 300.0	Nitrate as N	1.03	mg/L	0.250	0.135	5	X810210	DJS	03/08/18 21:12	D1
EPA 300.0	Sulfate as SO₄	6.24	mg/L	0.30	0.15		X810210	DJS	03/08/18 17:24	

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

Kirby Gray
Technical Director



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **GWMW-009-180307**SVL Sample ID: **X8C0138-03 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 09:00
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 13:57	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.122	mg/L	0.0020	0.0019		X810225	AS	03/21/18 11:35	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 11:35	
EPA 6010D	Manganese	0.174	mg/L	0.0080	0.0034		X810225	AS	03/21/18 11:35	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 11:35	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X810225	AS	03/21/18 11:35	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:10	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 15:31	
SM 2320B	Total Alkalinity	203	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:52	
SM 2320B	Bicarbonate	203	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:52	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:52	
SM 2540 C	Total Diss. Solids	233	mg/L	10			X810190	PRM	03/09/18 10:30	
SM 5310B	Total Organic Carbon	2.60	mg/L	1.00	0.38		X812168	SCM	03/22/18 12:35	

Anions by Ion Chromatography

EPA 300.0	Chloride	15.5	mg/L	2.00	1.20	10	X810210	DJS	03/12/18 11:25	D2
EPA 300.0	Nitrate as N	0.050	mg/L	0.050	0.027		X810210	DJS	03/08/18 17:39	
EPA 300.0	Sulfate as SO₄	3.26	mg/L	0.30	0.15		X810210	DJS	03/08/18 17:39	

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

Kirby Gray
Technical Director



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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **GWMW-010-180307**SVL Sample ID: **X8C0138-04 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 10:38
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 13:59	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0470	mg/L	0.0020	0.0019		X810225	AS	03/21/18 11:39	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 11:39	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X810225	AS	03/21/18 11:39	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 11:39	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X810225	AS	03/21/18 11:39	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:12	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 15:35	
SM 2320B	Total Alkalinity	92.4	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:57	
SM 2320B	Bicarbonate	92.4	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:57	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 08:57	
SM 2540 C	Total Diss. Solids	109	mg/L	10			X810190	PRM	03/09/18 10:30	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X812168	SCM	03/22/18 12:48	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.35	mg/L	0.20	0.12		X810210	DJS	03/08/18 17:54	
EPA 300.0	Nitrate as N	0.256	mg/L	0.050	0.027		X810210	DJS	03/08/18 17:54	
EPA 300.0	Sulfate as SO₄	0.89	mg/L	0.30	0.15		X810210	DJS	03/08/18 17:54	

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

Kirby Gray
Technical Director



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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **GWMW-013-180307**SVL Sample ID: **X8C0138-05 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 14:00
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 14:01	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0541	mg/L	0.0020	0.0019		X810225	AS	03/21/18 11:43	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 11:43	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X810225	AS	03/21/18 11:43	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 11:43	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X810225	AS	03/21/18 11:43	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:14	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 15:47	
SM 2320B	Total Alkalinity	200	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:00	
SM 2320B	Bicarbonate	200	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:00	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:00	
SM 2540 C	Total Diss. Solids	234	mg/L	10			X810190	PRM	03/09/18 10:30	
SM 5310B	Total Organic Carbon	1.60	mg/L	1.00	0.38		X812168	SCM	03/22/18 13:01	

Anions by Ion Chromatography

EPA 300.0	Chloride	9.73	mg/L	0.20	0.12		X810210	DJS	03/08/18 18:09	
EPA 300.0	Nitrate as N	0.647	mg/L	0.050	0.027		X810210	DJS	03/08/18 18:09	
EPA 300.0	Sulfate as SO₄	4.20	mg/L	0.30	0.15		X810210	DJS	03/08/18 18:09	

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

Kirby Gray
Technical Director



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Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order: **X8C0138**

Reported: 23-Mar-18 11:08

Client Sample ID: **GWMW-014-180307**SVL Sample ID: **X8C0138-06 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 12:50

Received: 08-Mar-18

Sampled By: KM

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		X811081	MWD	03/14/18 14:03	
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Metals (Total Recoverable)

EPA 6010D	Barium	< 0.0020	mg/L	0.0020	0.0019		X810225	AS	03/21/18 11:46	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 11:46	
EPA 6010D	Manganese	0.873	mg/L	0.0080	0.0034		X810225	AS	03/21/18 11:46	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 11:46	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X810225	AS	03/21/18 11:46	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:21	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 15:49	
SM 2320B	Total Alkalinity	76.5	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:09	
SM 2320B	Bicarbonate	76.5	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:09	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:09	
SM 2540 C	Total Diss. Solids	113	mg/L	10			X810190	PRM	03/09/18 10:30	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X812168	SCM	03/22/18 13:14	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.73	mg/L	0.20	0.12		X810210	DJS	03/08/18 18:24	
EPA 300.0	Nitrate as N	0.052	mg/L	0.050	0.027		X810210	DJS	03/08/18 18:24	
EPA 300.0	Sulfate as SO₄	8.68	mg/L	0.30	0.15		X810210	DJS	03/08/18 18:24	

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

Kirby Gray
Technical Director



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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **GWMW-19R-180307**SVL Sample ID: **X8C0138-07 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 14:14
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 14:05	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0406	mg/L	0.0020	0.0019		X810225	AS	03/21/18 11:57	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 11:57	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X810225	AS	03/21/18 11:57	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 11:57	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X810225	AS	03/21/18 11:57	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:23	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 15:52	
SM 2320B	Total Alkalinity	120	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:12	
SM 2320B	Bicarbonate	120	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:12	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:12	
SM 2540 C	Total Diss. Solids	155	mg/L	10			X810190	PRM	03/09/18 10:30	
SM 5310B	Total Organic Carbon	1.55	mg/L	1.00	0.38		X812168	SCM	03/22/18 13:54	

Anions by Ion Chromatography

EPA 300.0	Chloride	8.92	mg/L	0.20	0.12		X810210	DJS	03/08/18 18:39	
EPA 300.0	Nitrate as N	1.52	mg/L	0.250	0.135	5	X810210	DJS	03/08/18 21:27	D1
EPA 300.0	Sulfate as SO ₄	5.75	mg/L	0.30	0.15		X810210	DJS	03/08/18 18:39	

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

Kirby Gray
Technical Director



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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **GWMW-020-180307**SVL Sample ID: **X8C0138-08 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 11:56
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 14:10	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.150	mg/L	0.0020	0.0019		X810225	AS	03/21/18 12:01	
EPA 6010D	Lead	0.0080	mg/L	0.0075	0.0049		X810225	AS	03/21/18 12:01	
EPA 6010D	Manganese	0.0397	mg/L	0.0080	0.0034		X810225	AS	03/21/18 12:01	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 12:01	
EPA 6010D	Zinc	0.020	mg/L	0.010	0.005		X810225	AS	03/21/18 12:01	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:25	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 15:55	
SM 2320B	Total Alkalinity	245	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:16	
SM 2320B	Bicarbonate	245	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:16	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:16	
SM 2540 C	Total Diss. Solids	328	mg/L	10			X810190	PRM	03/09/18 10:30	
SM 5310B	Total Organic Carbon	1.67	mg/L	1.00	0.38		X812168	SCM	03/22/18 14:08	N1

Anions by Ion Chromatography

EPA 300.0	Chloride	5.84	mg/L	0.20	0.12		X810210	DJS	03/08/18 18:54	
EPA 300.0	Nitrate as N	6.66	mg/L	1.25	0.675	25	X810210	DJS	03/08/18 21:42	D1
EPA 300.0	Sulfate as SO₄	10.9	mg/L	0.30	0.15		X810210	DJS	03/08/18 18:54	

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

Kirby Gray
Technical Director



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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **GWMW-031-180307**SVL Sample ID: **X8C0138-09 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 09:30
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 14:12	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0351	mg/L	0.0020	0.0019		X810225	AS	03/21/18 12:04	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 12:04	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X810225	AS	03/21/18 12:04	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 12:04	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X810225	AS	03/21/18 12:04	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:27	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 15:58	
SM 2320B	Total Alkalinity	41.2	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:19	
SM 2320B	Bicarbonate	41.2	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:19	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:19	
SM 2540 C	Total Diss. Solids	74	mg/L	10			X810190	PRM	03/09/18 10:30	
SM 5310B	Total Organic Carbon	4.91	mg/L	1.00	0.38		X812168	SCM	03/22/18 14:21	

Anions by Ion Chromatography

EPA 300.0	Chloride	2.56	mg/L	0.20	0.12		X810210	DJS	03/08/18 19:39	
EPA 300.0	Nitrate as N	0.515	mg/L	0.100	0.054	2	X810210	DJS	03/08/18 22:02	D1
EPA 300.0	Sulfate as SO ₄	4.14	mg/L	0.30	0.15		X810210	DJS	03/08/18 19:39	

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

Kirby Gray
Technical Director



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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **GWDW-003-180307**SVL Sample ID: **X8C0138-10 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 12:19
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 14:14	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0307	mg/L	0.0020	0.0019		X810225	AS	03/21/18 12:08	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 12:08	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X810225	AS	03/21/18 12:08	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 12:08	
EPA 6010D	Zinc	0.166	mg/L	0.010	0.005		X810225	AS	03/21/18 12:08	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:29	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 16:01	
SM 2320B	Total Alkalinity	179	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:23	
SM 2320B	Bicarbonate	179	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:23	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:23	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X812168	SCM	03/22/18 14:34	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.79	mg/L	0.20	0.12		X810210	DJS	03/08/18 19:54	
EPA 300.0	Nitrate as N	2.78	mg/L	0.500	0.270	10	X810210	DJS	03/08/18 22:16	D1
EPA 300.0	Sulfate as SO₄	1.79	mg/L	0.30	0.15		X810210	DJS	03/08/18 19:54	

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

Kirby Gray
Technical Director



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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **GWMS-004-180307**SVL Sample ID: **X8C0138-11 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 14:47
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 14:15	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0579	mg/L	0.0020	0.0019		X810225	AS	03/21/18 12:12	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 12:12	
EPA 6010D	Manganese	0.0119	mg/L	0.0080	0.0034		X810225	AS	03/21/18 12:12	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 12:12	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X810225	AS	03/21/18 12:12	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:31	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 16:04	
SM 2320B	Total Alkalinity	111	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:26	
SM 2320B	Bicarbonate	111	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:26	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:26	
SM 2540 C	Total Diss. Solids	168	mg/L	10			X810190	PRM	03/09/18 10:30	
SM 5310B	Total Organic Carbon	1.21	mg/L	1.00	0.38		X812169	SCM	03/22/18 15:13	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.40	mg/L	0.20	0.12		X810210	DJS	03/08/18 20:09	
EPA 300.0	Nitrate as N	4.60	mg/L	0.500	0.270	10	X810210	DJS	03/08/18 23:01	D1
EPA 300.0	Sulfate as SO₄	11.7	mg/L	0.30	0.15		X810210	DJS	03/08/18 20:09	

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

Kirby Gray
Technical Director



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Client Sample ID: **MWS-1-1-180307**SVL Sample ID: **X8C0138-12 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 07-Mar-18 11:59
Received: 08-Mar-18
Sampled By: KM

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		X811081	MWD	03/14/18 14:17	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0291	mg/L	0.0020	0.0019		X810225	AS	03/21/18 12:15	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X810225	AS	03/21/18 12:15	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X810225	AS	03/21/18 12:15	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X810225	AS	03/21/18 12:15	
EPA 6010D	Zinc	0.168	mg/L	0.010	0.005		X810225	AS	03/21/18 12:15	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:33	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811047	APH	03/12/18 16:07	
SM 2320B	Total Alkalinity	181	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:30	
SM 2320B	Bicarbonate	181	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:30	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810192	DKS	03/09/18 09:30	
SM 2540 C	Total Diss. Solids	220	mg/L	10			X810190	PRM	03/09/18 10:30	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X812169	SCM	03/22/18 15:26	

Anions by Ion Chromatography

EPA 300.0	Chloride	0.79	mg/L	0.20	0.12		X810210	DJS	03/08/18 20:24	
EPA 300.0	Nitrate as N	1.41	mg/L	0.250	0.135	5	X810210	DJS	03/08/18 23:16	D1
EPA 300.0	Sulfate as SO₄	1.78	mg/L	0.30	0.15		X810210	DJS	03/08/18 20:24	

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

Kirby Gray
Technical Director



Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order:

X8C0138

Reported:

23-Mar-18 11:08

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Total)								
EPA 7470A	Mercury	mg/L	<0.00020	0.000093	0.00020	X811081	14-Mar-18	
Metals (Total Recoverable)								
EPA 6010D	Barium	mg/L	<0.0020	0.0019	0.0020	X810225	21-Mar-18	
EPA 6010D	Lead	mg/L	<0.0075	0.0049	0.0075	X810225	21-Mar-18	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X810225	21-Mar-18	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X810225	21-Mar-18	
EPA 6010D	Zinc	mg/L	<0.010	0.005	0.010	X810225	21-Mar-18	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X810213	21-Mar-18	
Classical Chemistry Parameters								
EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X811047	12-Mar-18	
SM 2320B	Total Alkalinity	mg/L as CaCO ₃	<1.0		1.0	X810192	09-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO ₃	<1.0		1.0	X810192	09-Mar-18	
SM 2320B	Carbonate	mg/L as CaCO ₃	<1.0		1.0	X810192	09-Mar-18	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X810190	09-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X812168	22-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X812169	22-Mar-18	
Anions by Ion Chromatography								
EPA 300.0	Chloride	mg/L	<0.20	0.12	0.20	X810210	08-Mar-18	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.027	0.050	X810210	08-Mar-18	
EPA 300.0	Sulfate as SO ₄	mg/L	<0.30	0.15	0.30	X810210	08-Mar-18	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)									
EPA 7470A	Mercury	mg/L	0.00451	0.00500	90.2	80 - 120	X811081	14-Mar-18	
Metals (Total Recoverable)									
EPA 6010D	Barium	mg/L	0.981	1.00	98.1	80 - 120	X810225	21-Mar-18	
EPA 6010D	Lead	mg/L	0.997	1.00	99.7	80 - 120	X810225	21-Mar-18	
EPA 6010D	Manganese	mg/L	0.975	1.00	97.5	80 - 120	X810225	21-Mar-18	
EPA 6010D	Vanadium	mg/L	1.01	1.00	101	80 - 120	X810225	21-Mar-18	
EPA 6010D	Zinc	mg/L	0.987	1.00	98.7	80 - 120	X810225	21-Mar-18	
EPA 6020B	Arsenic	mg/L	0.0230	0.0250	91.8	80 - 120	X810213	21-Mar-18	
Classical Chemistry Parameters									
EPA 350.1	Ammonia as N	mg/L	1.02	1.00	102	90 - 110	X811047	12-Mar-18	
SM 2320B	Total Alkalinity	mg/L as CaCO ₃	99.2	99.3	99.9	98 - 109	X810192	09-Mar-18	
SM 2320B	Total Alkalinity	mg/L as CaCO ₃	98.5	99.3	99.2	98 - 109	X810192	09-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO ₃	99.2	99.3	99.9	98 - 109	X810192	09-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO ₃	98.5	99.3	99.2	98 - 109	X810192	09-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	34.0	34.3	99.2	90 - 110	X812168	22-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	33.3	34.3	97.2	90 - 110	X812169	22-Mar-18	
Anions by Ion Chromatography									
EPA 300.0	Chloride	mg/L	2.99	3.00	99.8	90 - 110	X810210	08-Mar-18	
EPA 300.0	Nitrate as N	mg/L	2.01	2.00	100	90 - 110	X810210	08-Mar-18	

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 14 of 16



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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Quality Control - LABORATORY CONTROL SAMPLE Data (Continued)

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

EPA 300.0	Sulfate as SO ₄	mg/L	10.2	10.0	102	90 - 110	X810210	08-Mar-18	
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Quality Control - DUPLICATE Data

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

SM 2320B	Total Alkalinity	mg/L as CaCO ₃	160	158	1.1	20	X810192	09-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO ₃	160	158	1.1	20	X810192	09-Mar-18	
SM 2320B	Carbonate	mg/L as CaCO ₃	<1.0	<1.0	UDL	20	X810192	09-Mar-18	
SM 2540 C	Total Diss. Solids	mg/L	244	234	4.2	10	X810190	09-Mar-18	
SM 2540 C	Total Diss. Solids	mg/L	597	600	0.5	10	X810190	09-Mar-18	

Quality Control - MATRIX SPIKE Data

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

EPA 7470A	Mercury	mg/L	0.00100	<0.00020	0.00100	99.6	75 - 125	X811081	14-Mar-18	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	0.994	0.0432	1.00	95.1	75 - 125	X810225	21-Mar-18	
EPA 6010D	Lead	mg/L	0.969	<0.0075	1.00	96.9	75 - 125	X810225	21-Mar-18	
EPA 6010D	Manganese	mg/L	0.998	0.0304	1.00	96.8	75 - 125	X810225	21-Mar-18	
EPA 6010D	Vanadium	mg/L	1.01	<0.0050	1.00	101	75 - 125	X810225	21-Mar-18	
EPA 6010D	Zinc	mg/L	2.68	1.72	1.00	95.7	75 - 125	X810225	21-Mar-18	
EPA 6020B	Arsenic	mg/L	0.0231	<0.00300	0.0250	91.1	75 - 125	X810213	21-Mar-18	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.01	<0.030	1.00	101	90 - 110	X811047	12-Mar-18	
EPA 350.1	Ammonia as N	mg/L	1.03	<0.030	1.00	103	90 - 110	X811047	12-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	53.1	<1.00	50.0	105	80 - 120	X812168	22-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	55.3	1.74	50.0	107	80 - 120	X812169	22-Mar-18	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.27	0.35	3.00	97.2	90 - 110	X810210	08-Mar-18	
EPA 300.0	Chloride	mg/L	3.91	0.73	3.00	106	90 - 110	X810210	09-Mar-18	
EPA 300.0	Nitrate as N	mg/L	2.13	0.256	2.00	93.5	90 - 110	X810210	08-Mar-18	
EPA 300.0	Nitrate as N	mg/L	2.05	0.052	2.00	99.9	90 - 110	X810210	09-Mar-18	
EPA 300.0	Sulfate as SO ₄	mg/L	10.7	0.89	10.0	98.0	90 - 110	X810210	08-Mar-18	
EPA 300.0	Sulfate as SO ₄	mg/L	19.7	8.68	10.0	110	90 - 110	X810210	09-Mar-18	



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

Work Order: **X8C0138**
Reported: 23-Mar-18 11:08

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	% Rec.	RPD	RPD Limit	Batch ID	Analyzed	Notes
Metals (Total)											
EPA 7470A	Mercury	mg/L	0.00100	0.00100	0.00100	100	0.6	20	X811081	14-Mar-18	
Metals (Total Recoverable)											
EPA 6010D	Barium	mg/L	1.03	0.994	1.00	99.0	3.9	20	X810225	21-Mar-18	
EPA 6010D	Lead	mg/L	0.971	0.969	1.00	97.1	0.2	20	X810225	21-Mar-18	
EPA 6010D	Manganese	mg/L	0.995	0.998	1.00	96.5	0.3	20	X810225	21-Mar-18	
EPA 6010D	Vanadium	mg/L	1.00	1.01	1.00	100	0.7	20	X810225	21-Mar-18	
EPA 6010D	Zinc	mg/L	2.71	2.68	1.00	99.1	1.3	20	X810225	21-Mar-18	
EPA 6020B	Arsenic	mg/L	0.0232	0.0231	0.0250	91.3	0.2	20	X810213	21-Mar-18	
Classical Chemistry Parameters											
EPA 350.1	Ammonia as N	mg/L	1.04	1.01	1.00	104	3.3	20	X811047	12-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	49.0	53.1	50.0	96.9	8.1	20	X812168	22-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	54.2	55.3	50.0	105	2.1	20	X812169	22-Mar-18	
Anions by Ion Chromatography											
EPA 300.0	Chloride	mg/L	3.52	3.27	3.00	106	7.4	20	X810210	08-Mar-18	
EPA 300.0	Nitrate as N	mg/L	2.28	2.13	2.00	101	6.9	20	X810210	08-Mar-18	
EPA 300.0	Sulfate as SO4	mg/L	11.4	10.7	10.0	106	6.8	20	X810210	08-Mar-18	

Notes and Definitions

D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concentration of target analyte.
N1	See case narrative.
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



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

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

Work Order: **X8C0161**
Reported: 23-Mar-18 11:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
GWMS-005-180308	X8C0161-01	Ground Water	08-Mar-18 08:39	MT/GF/ KM	09-Mar-2018	
GWMW-016-180308	X8C0161-02	Ground Water	08-Mar-18 09:00	MT/GF/ KM	09-Mar-2018	Q5
GWMW-023-180308	X8C0161-03	Ground Water	08-Mar-18 11:01	MT/GF/ KM	09-Mar-2018	
GWMW-029-180308	X8C0161-04	Ground Water	08-Mar-18 08:59	MT/GF/ KM	09-Mar-2018	
MWS-1-2-180308	X8C0161-05	Ground Water	08-Mar-18 11:17	MT/GF/ KM	09-Mar-2018	

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.

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



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

Work Order: **X8C0161**
Reported: 23-Mar-18 11:13

Client Sample ID: **GWMS-005-180308**SVL Sample ID: **X8C0161-01 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 08-Mar-18 08:39
Received: 09-Mar-18
Sampled By: MT/GF/KM

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		X811081	MWD	03/14/18 14:19	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.0624	mg/L	0.0020	0.0019		X811003	AS	03/21/18 12:34	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X811003	AS	03/21/18 12:34	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X811003	AS	03/21/18 12:34	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X811003	AS	03/21/18 12:34	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X811003	AS	03/21/18 12:34	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:00	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811043	APH	03/12/18 14:31	
SM 2320B	Total Alkalinity	117	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:15	
SM 2320B	Bicarbonate	117	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:15	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:15	
SM 2540 C	Total Diss. Solids	266	mg/L	10			X810246	RS	03/12/18 10:40	
SM 5310B	Total Organic Carbon	1.74	mg/L	1.00	0.38		X812169	SCM	03/22/18 16:09	

Anions by Ion Chromatography

EPA 300.0	Chloride	32.0	mg/L	2.00	1.20	10	X811007	DJS	03/10/18 01:13	D2,M3
EPA 300.0	Nitrate as N	1.65	mg/L	0.050	0.027		X811007	DJS	03/09/18 22:58	
EPA 300.0	Sulfate as SO ₄	23.5	mg/L	0.30	0.15		X811007	DJS	03/09/18 22:58	

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

Kirby Gray
Technical Director



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

Work Order: **X8C0161**
Reported: 23-Mar-18 11:13

Client Sample ID: **GWMW-016-180308**SVL Sample ID: **X8C0161-02 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 08-Mar-18 09:00
Received: 09-Mar-18
Sampled By: MT/GF/KM

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		X811081	MWD	03/14/18 14:24	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.777	mg/L	0.0020	0.0019		X811003	AS	03/21/18 12:44	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X811003	AS	03/21/18 12:44	
EPA 6010D	Manganese	1.14	mg/L	0.0080	0.0034		X811003	AS	03/21/18 12:44	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X811003	AS	03/21/18 12:44	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X811003	AS	03/21/18 12:44	
EPA 6020B	Arsenic	0.0566	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:36	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	0.196	mg/L	0.030	0.013		X811043	APH	03/12/18 14:34	
SM 2320B	Total Alkalinity	1510	mg/L as CaCO ₃	1.0			X810241	DKS	03/12/18 08:41	
SM 2320B	Bicarbonate	1510	mg/L as CaCO ₃	1.0			X810241	DKS	03/12/18 08:41	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X810241	DKS	03/12/18 08:41	
SM 2540 C	Total Diss. Solids	1770	mg/L	40			X810246	RS	03/12/18 10:40	D2
SM 5310B	Total Organic Carbon	161	mg/L	1.00	0.38		X812169	SCM	03/22/18 16:49	

Anions by Ion Chromatography

EPA 300.0	Chloride	158	mg/L	10.0	6.00	50	X811007	DJS	03/10/18 01:58	D2
EPA 300.0	Nitrate as N	0.207	mg/L	0.050	0.027		X811007	DJS	03/09/18 23:43	
EPA 300.0	Sulfate as SO₄	0.47	mg/L	0.30	0.15		X811007	DJS	03/09/18 23:43	

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

Kirby Gray
Technical Director



One Government Gulch - PO Box 929

Kellogg, ID 83837-0929

(208) 784-1258

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

Work Order: **X8C0161**
Reported: 23-Mar-18 11:13

Client Sample ID: **GWMW-023-180308**SVL Sample ID: **X8C0161-03 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 08-Mar-18 11:01
Received: 09-Mar-18
Sampled By: MT/GF/KM

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		X811081	MWD	03/14/18 14:26	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.167	mg/L	0.0020	0.0019		X811003	AS	03/21/18 12:48	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X811003	AS	03/21/18 12:48	
EPA 6010D	Manganese	1.03	mg/L	0.0080	0.0034		X811003	AS	03/21/18 12:48	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X811003	AS	03/21/18 12:48	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X811003	AS	03/21/18 12:48	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:38	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811043	APH	03/12/18 14:38	
SM 2320B	Total Alkalinity	419	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:35	
SM 2320B	Bicarbonate	419	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:35	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:35	
SM 2540 C	Total Diss. Solids	556	mg/L	10			X810246	RS	03/12/18 10:40	
SM 5310B	Total Organic Carbon	3.55	mg/L	1.00	0.38		X812169	SCM	03/22/18 17:02	

Anions by Ion Chromatography

EPA 300.0	Chloride	67.1	mg/L	5.00	3.00	25	X811007	DJS	03/10/18 02:13	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.027		X811007	DJS	03/09/18 23:58	
EPA 300.0	Sulfate as SO₄	8.24	mg/L	0.30	0.15		X811007	DJS	03/09/18 23:58	

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

Kirby Gray
Technical Director



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

Work Order: **X8C0161**
Reported: 23-Mar-18 11:13

Client Sample ID: **GWMW-029-180308**SVL Sample ID: **X8C0161-04 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 08-Mar-18 08:59
Received: 09-Mar-18
Sampled By: MT/GF/KM

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		X811081	MWD	03/14/18 14:32	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.105	mg/L	0.0020	0.0019		X811003	AS	03/21/18 12:51	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X811003	AS	03/21/18 12:51	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X811003	AS	03/21/18 12:51	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X811003	AS	03/21/18 12:51	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X811003	AS	03/21/18 12:51	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:40	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811043	APH	03/12/18 14:40	
SM 2320B	Total Alkalinity	85.9	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:45	
SM 2320B	Bicarbonate	85.9	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:45	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:45	
SM 2540 C	Total Diss. Solids	412	mg/L	10			X810246	RS	03/12/18 10:40	
SM 5310B	Total Organic Carbon	< 1.00	mg/L	1.00	0.38		X812169	SCM	03/22/18 17:41	

Anions by Ion Chromatography

EPA 300.0	Chloride	151	mg/L	5.00	3.00	25	X811007	DJS	03/10/18 02:28	D2
EPA 300.0	Nitrate as N	0.986	mg/L	0.050	0.027		X811007	DJS	03/10/18 00:13	
EPA 300.0	Sulfate as SO₄	6.66	mg/L	0.30	0.15		X811007	DJS	03/10/18 00:13	

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

Kirby Gray
Technical Director



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

Work Order: **X8C0161**
Reported: 23-Mar-18 11:13

Client Sample ID: **MWS-1-2-180308**SVL Sample ID: **X8C0161-05 (Ground Water)**

Sample Report Page 1 of 1

Sampled: 08-Mar-18 11:17
Received: 09-Mar-18
Sampled By: MT/GF/KM

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		X811081	MWD	03/14/18 14:34	
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Metals (Total Recoverable)

EPA 6010D	Barium	0.167	mg/L	0.0020	0.0019		X811003	AS	03/21/18 12:55	
EPA 6010D	Lead	< 0.0075	mg/L	0.0075	0.0049		X811003	AS	03/21/18 12:55	
EPA 6010D	Manganese	1.03	mg/L	0.0080	0.0034		X811003	AS	03/21/18 12:55	
EPA 6010D	Vanadium	< 0.0050	mg/L	0.0050	0.0019		X811003	AS	03/21/18 12:55	
EPA 6010D	Zinc	< 0.010	mg/L	0.010	0.005		X811003	AS	03/21/18 12:55	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X810213	KWH	03/21/18 09:46	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	< 0.030	mg/L	0.030	0.013		X811043	APH	03/12/18 14:44	
SM 2320B	Total Alkalinity	414	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:52	
SM 2320B	Bicarbonate	414	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:52	
SM 2320B	Carbonate	< 1.0	mg/L as CaCO ₃	1.0			X811010	PRM	03/12/18 07:52	
SM 2540 C	Total Diss. Solids	550	mg/L	10			X810246	RS	03/12/18 10:40	
SM 5310B	Total Organic Carbon	2.91	mg/L	1.00	0.38		X812169	SCM	03/22/18 17:54	

Anions by Ion Chromatography

EPA 300.0	Chloride	66.2	mg/L	5.00	3.00	25	X811007	DJS	03/10/18 02:43	D2
EPA 300.0	Nitrate as N	< 0.050	mg/L	0.050	0.027		X811007	DJS	03/10/18 00:28	
EPA 300.0	Sulfate as SO₄	8.11	mg/L	0.30	0.15		X811007	DJS	03/10/18 00:28	

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

Kirby Gray
Technical Director



Spokane County Environmental Services (Colbert)

22515 N. Elk Chattaroy Road

Colbert, WA 99005

Work Order:

X8C0161

Reported:

23-Mar-18 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	X811081	14-Mar-18	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	<0.0020	0.0019	0.0020	X811003	21-Mar-18	
EPA 6010D	Lead	mg/L	<0.0075	0.0049	0.0075	X811003	21-Mar-18	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X811003	21-Mar-18	
EPA 6010D	Vanadium	mg/L	<0.0050	0.0019	0.0050	X811003	21-Mar-18	
EPA 6010D	Zinc	mg/L	<0.010	0.005	0.010	X811003	21-Mar-18	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X810213	21-Mar-18	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	<0.030	0.013	0.030	X811043	12-Mar-18	
SM 2320B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X810241	12-Mar-18	
SM 2320B	Total Alkalinity	mg/L as CaCO3	<1.0		1.0	X811010	12-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X810241	12-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO3	<1.0		1.0	X811010	12-Mar-18	
SM 2320B	Carbonate	mg/L as CaCO3	<1.0		1.0	X810241	12-Mar-18	
SM 2320B	Carbonate	mg/L as CaCO3	<1.0		1.0	X811010	12-Mar-18	
SM 2540 C	Total Diss. Solids	mg/L	<10		10	X810246	12-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	<1.00	0.38	1.00	X812169	22-Mar-18	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	<0.20	0.12	0.20	X811007	09-Mar-18	
EPA 300.0	Nitrate as N	mg/L	<0.050	0.027	0.050	X811007	09-Mar-18	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.15	0.30	X811007	09-Mar-18	

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	0.00451	0.00500	90.2	80 - 120	X811081	14-Mar-18	
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Metals (Total Recoverable)

EPA 6010D	Barium	mg/L	1.01	1.00	101	80 - 120	X811003	21-Mar-18	
EPA 6010D	Lead	mg/L	0.998	1.00	99.8	80 - 120	X811003	21-Mar-18	
EPA 6010D	Manganese	mg/L	0.984	1.00	98.4	80 - 120	X811003	21-Mar-18	
EPA 6010D	Vanadium	mg/L	1.02	1.00	102	80 - 120	X811003	21-Mar-18	
EPA 6010D	Zinc	mg/L	1.00	1.00	100	80 - 120	X811003	21-Mar-18	
EPA 6020B	Arsenic	mg/L	0.0230	0.0250	91.8	80 - 120	X810213	21-Mar-18	

Classical Chemistry Parameters

EPA 350.1	Ammonia as N	mg/L	1.03	1.00	103	90 - 110	X811043	12-Mar-18	
SM 2320B	Total Alkalinity	mg/L as CaCO3	99.1	99.3	99.8	98 - 109	X810241	12-Mar-18	
SM 2320B	Total Alkalinity	mg/L as CaCO3	99.6	99.3	100	98 - 109	X810241	12-Mar-18	
SM 2320B	Total Alkalinity	mg/L as CaCO3	99.1	99.3	99.8	98 - 109	X811010	12-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO3	99.1	99.3	99.8	98 - 109	X810241	12-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO3	99.6	99.3	100	98 - 109	X810241	12-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO3	99.1	99.3	99.8	98 - 109	X811010	12-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	33.3	34.3	97.2	90 - 110	X812169	22-Mar-18	

Anions by Ion Chromatography

EPA 300.0	Chloride	mg/L	3.09	3.00	103	90 - 110	X811007	09-Mar-18	
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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 7 of 9



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

Work Order: **X8C0161**
Reported: 23-Mar-18 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	2.02	2.00	101	90 - 110	X811007	09-Mar-18	
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X811007	09-Mar-18	

Quality Control - DUPLICATE Data

Method	Analyte	Units	Duplicate Result	Sample Result	RPD	RPD Limit	Batch ID	Analyzed	Notes
Classical Chemistry Parameters									
SM 2320B	Total Alkalinity	mg/L as CaCO3	116	117	0.9	20	X811010	12-Mar-18	
SM 2320B	Total Alkalinity	mg/L as CaCO3	592	591	0.2	20	X810241	12-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO3	116	117	0.9	20	X811010	12-Mar-18	
SM 2320B	Bicarbonate	mg/L as CaCO3	592	591	0.2	20	X810241	12-Mar-18	
SM 2320B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X810241	12-Mar-18	
SM 2320B	Carbonate	mg/L as CaCO3	<1.0	<1.0	UDL	20	X811010	12-Mar-18	
SM 2540 C	Total Diss. Solids	mg/L	260	266	2.3	10	X810246	12-Mar-18	
SM 2540 C	Total Diss. Solids	mg/L	591	574	2.9	10	X810246	12-Mar-18	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Recovery	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Total)										
EPA 7470A	Mercury	mg/L	0.00100	<0.00020	0.00100	99.6	75 - 125	X811081	14-Mar-18	
Metals (Total Recoverable)										
EPA 6010D	Barium	mg/L	1.12	0.0624	1.00	106	75 - 125	X811003	21-Mar-18	
EPA 6010D	Lead	mg/L	0.987	<0.0075	1.00	98.7	75 - 125	X811003	21-Mar-18	
EPA 6010D	Manganese	mg/L	0.973	<0.0080	1.00	97.3	75 - 125	X811003	21-Mar-18	
EPA 6010D	Vanadium	mg/L	1.02	<0.0050	1.00	102	75 - 125	X811003	21-Mar-18	
EPA 6010D	Zinc	mg/L	1.00	<0.010	1.00	100	75 - 125	X811003	21-Mar-18	
EPA 6020B	Arsenic	mg/L	0.0231	<0.00300	0.0250	91.1	75 - 125	X810213	21-Mar-18	
Classical Chemistry Parameters										
EPA 350.1	Ammonia as N	mg/L	1.05	<0.030	1.00	105	90 - 110	X811043	12-Mar-18	
EPA 350.1	Ammonia as N	mg/L	1.20	<0.030	1.00	120	90 - 110	X811043	12-Mar-18	M1
SM 5310B	Total Organic Carbon	mg/L	55.3	1.74	50.0	107	80 - 120	X812169	22-Mar-18	
Anions by Ion Chromatography										
EPA 300.0	Chloride	mg/L	35.2	32.0	3.00	110	90 - 110	X811007	10-Mar-18	D2
EPA 300.0	Nitrate as N	mg/L	3.62	1.65	2.00	98.5	90 - 110	X811007	09-Mar-18	
EPA 300.0	Sulfate as SO4	mg/L	34.0	23.5	10.0	105	90 - 110	X811007	09-Mar-18	



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

Work Order: **X8C0161**
Reported: 23-Mar-18 11:13

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	% Rec.	RPD	RPD Limit	Batch ID	Analyzed	Notes
Metals (Total)											
EPA 7470A	Mercury	mg/L	0.00100	0.00100	0.00100	100	0.6	20	X811081	14-Mar-18	
Metals (Total Recoverable)											
EPA 6010D	Barium	mg/L	1.08	1.12	1.00	102	3.2	20	X811003	21-Mar-18	
EPA 6010D	Lead	mg/L	0.986	0.987	1.00	98.6	0.0	20	X811003	21-Mar-18	
EPA 6010D	Manganese	mg/L	0.992	0.973	1.00	99.2	1.9	20	X811003	21-Mar-18	
EPA 6010D	Vanadium	mg/L	1.03	1.02	1.00	103	1.1	20	X811003	21-Mar-18	
EPA 6010D	Zinc	mg/L	0.996	1.00	1.00	99.6	0.5	20	X811003	21-Mar-18	
EPA 6020B	Arsenic	mg/L	0.0232	0.0231	0.0250	91.3	0.2	20	X810213	21-Mar-18	
Classical Chemistry Parameters											
EPA 350.1	Ammonia as N	mg/L	1.05	1.05	1.00	105	0.1	20	X811043	12-Mar-18	
SM 5310B	Total Organic Carbon	mg/L	54.2	55.3	50.0	105	2.1	20	X812169	22-Mar-18	
Anions by Ion Chromatography											
EPA 300.0	Chloride	mg/L	35.6	35.2	3.00	0.30R>S	0.9	20	X811007	10-Mar-18	D2,M3
EPA 300.0	Nitrate as N	mg/L	3.68	3.62	2.00	102	1.8	20	X811007	09-Mar-18	
EPA 300.0	Sulfate as SO ₄	mg/L	34.2	34.0	10.0	107	0.7	20	X811007	09-Mar-18	

Notes and Definitions

D2	Sample required dilution due to high concentration of target analyte.
M1	Matrix spike recovery was high, but the LCS recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The LCS was acceptable.
Q5	Sample was received with inadequate preservation, but preserved by the laboratory.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

Anatek Labs, Inc.

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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: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-001	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWDW-001-180307	Sampling Time	8:08 AM	Extraction Date	3/14/2018
Matrix	Water	Sample Location	X8C0169-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/19/2018 11:02:00 PM	HSW	EPA 8270D	

Surrogate Data

Sample Number	180309031-001			
Surrogate Standard	Method	Percent Recovery	Control Limits	
2,4,6-Tribromophenol	EPA 8270D	97.8	43-120	
2-Fluorobiphenyl	EPA 8270D	100.0	55-127	
2-Fluorophenol	EPA 8270D	78.2	41-119	
Nitrobenzene-d5	EPA 8270D	92.4	55-120	
Phenol-d5	EPA 8270D	81.0	52-115	
Terphenyl-d14	EPA 8270D	116.8	22-133	

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: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-002	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWDW-002-180307	Sampling Time	9:46 AM	Extraction Date	3/14/2018
Matrix	Water	Sample Location	X8C0169-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/19/2018 11:30:00 PM	HSW	EPA 8270D	

Surrogate Data

Sample Number	180309031-002		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	91.2	43-120
2-Fluorobiphenyl	EPA 8270D	93.2	55-127
2-Fluorophenol	EPA 8270D	72.4	41-119
Nitrobenzene-d5	EPA 8270D	88.0	55-120
Phenol-d5	EPA 8270D	73.6	52-115
Terphenyl-d14	EPA 8270D	115.6	22-133

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-003	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWDW-003-180307	Sampling Time	12:19 PM	Extraction Date	3/14/2018
Matrix	Water	Sample Location	X8C0169-03		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/19/2018 11:58:00 PM	HSW	EPA 8270D	

Surrogate Data

Sample Number	180309031-003		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	85.2	43-120
2-Fluorobiphenyl	EPA 8270D	95.6	55-127
2-Fluorophenol	EPA 8270D	73.4	41-119
Nitrobenzene-d5	EPA 8270D	88.8	55-120
Phenol-d5	EPA 8270D	75.8	52-115
Terphenyl-d14	EPA 8270D	111.2	22-133

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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-005-180308	Sampling Time	8:39 AM	Extraction Date	3/14/2018
Matrix	Water	Sample Location	X8C0169-04		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/20/2018 12:27:00 AM	HSW	EPA 8270D	

Surrogate Data

Sample Number	180309031-004		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	91.0	43-120
2-Fluorobiphenyl	EPA 8270D	94.4	55-127
2-Fluorophenol	EPA 8270D	78.4	41-119
Nitrobenzene-d5	EPA 8270D	89.2	55-120
Phenol-d5	EPA 8270D	80.0	52-115
Terphenyl-d14	EPA 8270D	78.8	22-133

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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004A	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-005-180308A	Sampling Time	8:39 AM	Extraction Date	3/14/2018
Matrix	Water	Sample Location	X8C0169-04A		
Comments	SAMPLE MATRIX SPIKE				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	4.07	ug/L	0.5	3/19/2018 7:14:00 PM	HSW	EPA 8270D	

Surrogate Data

Sample Number	180309031-004A		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	95.0	43-120
2-Fluorobiphenyl	EPA 8270D	93.6	55-127
2-Fluorophenol	EPA 8270D	71.2	41-119
Nitrobenzene-d5	EPA 8270D	87.6	55-120
Phenol-d5	EPA 8270D	75.8	52-115
Terphenyl-d14	EPA 8270D	103.6	22-133

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Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004B	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-005-180308B	Sampling Time	8:39 AM	Extraction Date	3/14/2018
Matrix	Water	Sample Location	X8C0169-04B		
Comments	SAMPLE MATRIX SPIKE DUPLICATE				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	3.28	ug/L	0.5	3/19/2018 7:43:00 PM	HSW	EPA 8270D	

Surrogate Data

Sample Number	180309031-004B		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	92.8	43-120
2-Fluorobiphenyl	EPA 8270D	100.0	55-127
2-Fluorophenol	EPA 8270D	79.0	41-119
Nitrobenzene-d5	EPA 8270D	94.0	55-120
Phenol-d5	EPA 8270D	82.2	52-115
Terphenyl-d14	EPA 8270D	89.6	22-133

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COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-005	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-004-180307	Sampling Time	2:47 PM	Extraction Date	3/14/2018
Matrix	Water	Sample Location	X8C0169-05		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/20/2018 12:55:00 AM	HSW	EPA 8270D	

Surrogate Data

Sample Number	180309031-005		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	86.0	43-120
2-Fluorobiphenyl	EPA 8270D	87.2	55-127
2-Fluorophenol	EPA 8270D	71.0	41-119
Nitrobenzene-d5	EPA 8270D	80.0	55-120
Phenol-d5	EPA 8270D	77.0	52-115
Terphenyl-d14	EPA 8270D	86.8	22-133

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Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-006	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-009-180307	Sampling Time	9:00 AM	Extraction Date	3/14/2018
Matrix	Water	Sample Location	X8C0169-06		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/20/2018 1:24:00 AM	HSW	EPA 8270D	

Surrogate Data

Sample Number	180309031-006		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	93.8	43-120
2-Fluorobiphenyl	EPA 8270D	94.0	55-127
2-Fluorophenol	EPA 8270D	75.6	41-119
Nitrobenzene-d5	EPA 8270D	85.2	55-120
Phenol-d5	EPA 8270D	80.4	52-115
Terphenyl-d14	EPA 8270D	102.4	22-133

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Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-014	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-029-180308	Sampling Time	8:59 AM	Extraction Date	3/14/2018
Matrix	Water	Sample Location	X8C0169-14		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	1.42	ug/L	0.5	3/20/2018 1:52:00 AM	HSW	EPA 8270D	

Surrogate Data

Sample Number	180309031-014		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	91.4	43-120
2-Fluorobiphenyl	EPA 8270D	94.4	55-127
2-Fluorophenol	EPA 8270D	77.4	41-119
Nitrobenzene-d5	EPA 8270D	87.2	55-120
Phenol-d5	EPA 8270D	83.0	52-115
Terphenyl-d14	EPA 8270D	120.4	22-133

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Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-018	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	MWS-1-1-180307	Sampling Time	11:59 AM	Extraction Date	3/14/2018
Matrix	Water	Sample Location	X8C0169-18		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/20/2018 2:20:00 AM	HSW	EPA 8270D	

Surrogate Data

Sample Number	180309031-018		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	93.4	43-120
2-Fluorobiphenyl	EPA 8270D	102.4	55-127
2-Fluorophenol	EPA 8270D	82.2	41-119
Nitrobenzene-d5	EPA 8270D	95.2	55-120
Phenol-d5	EPA 8270D	88.6	52-115
Terphenyl-d14	EPA 8270D	123.6	22-133

Authorized Signature



Todd Taruscio, Lab Manager

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

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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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Certifications held by Anatek Labs WA: EPA:WA00169; ID:WA00169; WA:C585; MT:Cert0095; FL(NELAP): E871099

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Batch #: 180309031
Project Name: SVL #X8C0169

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	5.12	ug/L	5	102.4	51-149	3/14/2018	3/20/2018

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
180309031-004	bis(2-Ethylhexyl)phthalate	ND	4.07	ug/L	5	81.4	51-149	3/14/2018	3/20/2018

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
bis(2-Ethylhexyl)phthalate	3.28	ug/L	5	65.6	21.5	0-50	3/14/2018	3/20/2018

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	3/14/2018	3/20/2018

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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Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-001	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWDW-001-180307	Sampling Time	8:08 AM		
Matrix	Water	Sample Location	X8C0169-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-001	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWDW-001-180307	Sampling Time	8:08 AM		
Matrix	Water	Sample Location	X8C0169-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-001	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWDW-001-180307	Sampling Time	8:08 AM		
Matrix	Water	Sample Location	X8C0169-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
p-isopropyltoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-001			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C	100.0	70-130	
4-Bromofluorobenzene	EPA 8260C	95.2	70-130	
Toluene-d8	EPA 8260C	99.6	70-130	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-002	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWDW-002-180307	Sampling Time	9:46 AM		
Matrix	Water	Sample Location	X8C0169-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-002	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWDW-002-180307	Sampling Time	9:46 AM		
Matrix	Water	Sample Location	X8C0169-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-002	Sampling Date	3/7/2018		Date/Time Received	3/9/2018	10:34 AM
Client Sample ID	GWDW-002-180307	Sampling Time	9:46 AM				
Matrix	Water	Sample Location	X8C0169-02				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-002		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	100.4	70-130
4-Bromofluorobenzene	EPA 8260C	94.8	70-130
Toluene-d8	EPA 8260C	99.2	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-003	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWDW-003-180307	Sampling Time	12:19 PM		
Matrix	Water	Sample Location	X8C0169-03		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-003	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWDW-003-180307	Sampling Time	12:19 PM		
Matrix	Water	Sample Location	X8C0169-03		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-003	Sampling Date	3/7/2018		Date/Time Received	3/9/2018	10:34 AM
Client Sample ID	GWDW-003-180307	Sampling Time	12:19 PM				
Matrix	Water	Sample Location	X8C0169-03				
Comments							
	Parameter	Result	Units	PQL	Analysis Date	Analyst	Method
	sec-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C
	Styrene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C
	tert-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C
	Tetrachloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C
	Toluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C
	trans-1,2-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C
	trans-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C
	Trichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C
	Trichloroflouromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C
	Vinyl Chloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C

Surrogate Data

Sample Number	180309031-003		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	100.0	70-130
4-Bromofluorobenzene	EPA 8260C	96.0	70-130
Toluene-d8	EPA 8260C	100.0	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-005-180308	Sampling Time	8:39 AM		
Matrix	Water	Sample Location	X8C0169-04		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,1,1-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-005-180308	Sampling Time	8:39 AM		
Matrix	Water	Sample Location	X8C0169-04		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM		
Client Sample ID	GWMS-005-180308	Sampling Time	8:39 AM				
Matrix	Water	Sample Location	X8C0169-04				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-004		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	100.0	70-130
4-Bromofluorobenzene	EPA 8260C	96.0	70-130
Toluene-d8	EPA 8260C	99.6	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004A	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-005-180308A	Sampling Time	8:39 AM		
Matrix	Water	Sample Location	X8C0169-04A		
Comments	SAMPLE MATRIX SPIKE				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	9.99	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	9.98	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	9.99	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	9.63	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethane	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethene	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-dichloropropene	10.2	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	9.92	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	10.3	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	10.2	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromoethane	9.91	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	9.79	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloroethane	9.45	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloropropane	9.64	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	10.2	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	9.97	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichloropropane	9.63	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	9.84	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2,2-Dichloropropane	10.9	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-Chlorotoluene	9.98	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-hexanone	10.2	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
4-Chlorotoluene	9.98	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Acetone	9.57	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Acrylonitrile	10.3	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Benzene	9.65	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromobenzene	9.73	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004A	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-005-180308A	Sampling Time	8:39 AM		
Matrix	Water	Sample Location	X8C0169-04A		
Comments	SAMPLE MATRIX SPIKE				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	9.72	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromodichloromethane	9.82	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromoform	10.3	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromomethane	10.5	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon disulfide	10.3	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon Tetrachloride	10.3	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chlorobenzene	10.0	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroethane	9.64	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroform	9.69	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloromethane	8.44	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	9.99	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	9.95	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromochloromethane	9.92	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromomethane	9.84	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	10.5	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Ethylbenzene	9.74	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Hexachlorobutadiene	10.6	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Isopropylbenzene	10.2	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
m+p-Xylene	20.0	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	10.5	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	10.4	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methylene chloride	9.75	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	9.62	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Naphthalene	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Butylbenzene	11.0	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Propylbenzene	10.2	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
o-Xylene	9.86	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
p-isopropyltoluene	10.5	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004A	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM		
Client Sample ID	GWMS-005-180308A	Sampling Time	8:39 AM				
Matrix	Water	Sample Location	X8C0169-04A				
Comments	SAMPLE MATRIX SPIKE						
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	9.49	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Styrene	9.79	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
tert-Butylbenzene	10.2	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Tetrachloroethene	9.61	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Toluene	9.87	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	9.96	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	9.57	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroethene	9.77	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroflouromethane	12.0	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Vinyl Chloride	9.13	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-004A		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	99.6	70-130
4-Bromofluorobenzene	EPA 8260C	99.6	70-130
Toluene-d8	EPA 8260C	100.0	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004B	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-005-180308B	Sampling Time	8:39 AM		
Matrix	Water	Sample Location	X8C0169-04B		
Comments	SAMPLE MATRIX SPIKE DUPLICATE				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	9.78	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	9.77	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	9.55	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	9.69	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethane	9.91	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethene	9.78	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-dichloropropene	9.98	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	10.2	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	9.58	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	10.5	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	9.62	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromoethane	9.66	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	9.91	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloroethane	9.31	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloropropane	9.50	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichloropropane	9.57	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2,2-Dichloropropane	10.8	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-Chlorotoluene	9.92	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-hexanone	9.37	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
4-Chlorotoluene	9.92	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Acetone	8.75	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Acrylonitrile	9.43	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Benzene	9.51	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromobenzene	9.81	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004B	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-005-180308B	Sampling Time	8:39 AM		
Matrix	Water	Sample Location	X8C0169-04B		
Comments	SAMPLE MATRIX SPIKE DUPLICATE				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	9.79	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromodichloromethane	9.70	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromoform	9.67	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromomethane	10.8	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon disulfide	9.87	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon Tetrachloride	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chlorobenzene	9.95	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroethane	9.25	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroform	9.59	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloromethane	8.08	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	10.0	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	9.89	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromochloromethane	9.79	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromomethane	9.80	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Ethylbenzene	9.57	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Hexachlorobutadiene	10.8	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Isopropylbenzene	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
m+p-Xylene	19.7	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	9.65	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	9.63	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methylene chloride	9.53	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	9.60	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Naphthalene	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Butylbenzene	10.9	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Propylbenzene	10.1	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
o-Xylene	9.75	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
p-isopropyltoluene	10.5	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-004B	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM		
Client Sample ID	GWMS-005-180308B	Sampling Time	8:39 AM				
Matrix	Water	Sample Location	X8C0169-04B				
Comments	SAMPLE MATRIX SPIKE DUPLICATE						
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	9.41	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Styrene	9.40	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
tert-Butylbenzene	9.97	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Tetrachloroethene	9.70	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Toluene	9.73	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	9.66	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	9.53	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroethene	9.72	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroflouromethane	10.7	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Vinyl Chloride	8.46	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-004B			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C	99.2	70-130	
4-Bromofluorobenzene	EPA 8260C	98.8	70-130	
Toluene-d8	EPA 8260C	99.6	70-130	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-005	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-004-180307	Sampling Time	2:47 PM		
Matrix	Water	Sample Location	X8C0169-05		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethane	1.01	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-005	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMS-004-180307	Sampling Time	2:47 PM		
Matrix	Water	Sample Location	X8C0169-05		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	1.18	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-005	Sampling Date	3/7/2018		Date/Time Received	3/9/2018	10:34 AM
Client Sample ID	GWMS-004-180307	Sampling Time	2:47 PM				
Matrix	Water	Sample Location	X8C0169-05				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-005		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	100.0	70-130
4-Bromofluorobenzene	EPA 8260C	96.8	70-130
Toluene-d8	EPA 8260C	99.6	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-006	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-009-180307	Sampling Time	9:00 AM		
Matrix	Water	Sample Location	X8C0169-06		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-006	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-009-180307	Sampling Time	9:00 AM		
Matrix	Water	Sample Location	X8C0169-06		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-006	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM		
Client Sample ID	GWMW-009-180307	Sampling Time	9:00 AM				
Matrix	Water	Sample Location	X8C0169-06				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-006		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	99.6	70-130
4-Bromofluorobenzene	EPA 8260C	99.2	70-130
Toluene-d8	EPA 8260C	100.4	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-007	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-010-180307	Sampling Time	10:38 AM		
Matrix	Water	Sample Location	X8C0169-07		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-007	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-010-180307	Sampling Time	10:38 AM		
Matrix	Water	Sample Location	X8C0169-07		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/19/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-007	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM		
Client Sample ID	GWMW-010-180307	Sampling Time	10:38 AM				
Matrix	Water	Sample Location	X8C0169-07				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/19/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-007		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	99.2	70-130
4-Bromofluorobenzene	EPA 8260C	95.6	70-130
Toluene-d8	EPA 8260C	100.0	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-008	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-013-180307	Sampling Time	2:00 PM		
Matrix	Water	Sample Location	X8C0169-08		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	1.04	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-008	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-013-180307	Sampling Time	2:00 PM		
Matrix	Water	Sample Location	X8C0169-08		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	1.67	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-008	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-013-180307	Sampling Time	2:00 PM		
Matrix	Water	Sample Location	X8C0169-08		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-008			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C	99.2	70-130	
4-Bromofluorobenzene	EPA 8260C	97.2	70-130	
Toluene-d8	EPA 8260C	99.2	70-130	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-009	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-014-180307	Sampling Time	12:50 PM		
Matrix	Water	Sample Location	X8C0169-09		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-009	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-014-180307	Sampling Time	12:50 PM		
Matrix	Water	Sample Location	X8C0169-09		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-009	Sampling Date	3/7/2018		Date/Time Received	3/9/2018	10:34 AM
Client Sample ID	GWMW-014-180307	Sampling Time	12:50 PM				
Matrix	Water	Sample Location	X8C0169-09				
Comments							
	Parameter	Result	Units	PQL	Analysis Date	Analyst	Method
	sec-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C
	Styrene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C
	tert-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C
	Tetrachloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C
	Toluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C
	trans-1,2-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C
	trans-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C
	Trichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C
	Trichloroflouromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C
	Vinyl Chloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C

Surrogate Data

Sample Number	180309031-009		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	98.4	70-130
4-Bromofluorobenzene	EPA 8260C	96.0	70-130
Toluene-d8	EPA 8260C	99.2	70-130

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Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-010	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-016-180308	Sampling Time	9:00 AM		
Matrix	Water	Sample Location	X8C0169-10		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	10.2	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	10.2	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	16.4	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	50	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Acetone	2860	ug/L	50	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Benzene	14.5	ug/L	10	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-010	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-016-180308	Sampling Time	9:00 AM		
Matrix	Water	Sample Location	X8C0169-10		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	33.4	ug/L	10	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	65.3	ug/L	10	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	43.7	ug/L	10	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	1290	ug/L	50	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	136	ug/L	50	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	50	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Naphthalene	12.7	ug/L	10	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
o-Xylene	20.7	ug/L	10	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	10.5	ug/L	10	3/20/2018	SAT	EPA 8260C	

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Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-010	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM		
Client Sample ID	GWMW-016-180308	Sampling Time	9:00 AM				
Matrix	Water	Sample Location	X8C0169-10				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Toluene	54.5	ug/L	10	3/20/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	10	3/20/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-010		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	99.2	70-130
4-Bromofluorobenzene	EPA 8260C	97.6	70-130
Toluene-d8	EPA 8260C	100.0	70-130

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COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-011	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-19R-180307	Sampling Time	2:14 PM		
Matrix	Water	Sample Location	X8C0169-11		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-011	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-19R-180307	Sampling Time	2:14 PM		
Matrix	Water	Sample Location	X8C0169-11		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-011	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM		
Client Sample ID	GWMW-19R-180307	Sampling Time	2:14 PM				
Matrix	Water	Sample Location	X8C0169-11				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-011		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	92.4	70-130
4-Bromofluorobenzene	EPA 8260C	78.4	70-130
Toluene-d8	EPA 8260C	94.0	70-130

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Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-012	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-020-180307	Sampling Time	11:56 AM		
Matrix	Water	Sample Location	X8C0169-12		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	0.71	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-012	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-020-180307	Sampling Time	11:56 AM		
Matrix	Water	Sample Location	X8C0169-12		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	1.17	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-012	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM		
Client Sample ID	GWMW-020-180307	Sampling Time	11:56 AM				
Matrix	Water	Sample Location	X8C0169-12				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-012		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	99.2	70-130
4-Bromofluorobenzene	EPA 8260C	96.4	70-130
Toluene-d8	EPA 8260C	100.0	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-013	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-023-180308	Sampling Time	11:01 AM		
Matrix	Water	Sample Location	X8C0169-13		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	2.38	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-013	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-023-180308	Sampling Time	11:01 AM		
Matrix	Water	Sample Location	X8C0169-13		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	1.66	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-013	Sampling Date	3/8/2018		Date/Time Received	3/9/2018	10:34 AM
Client Sample ID	GWMW-023-180308	Sampling Time	11:01 AM				
Matrix	Water	Sample Location	X8C0169-13				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-013		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	99.2	70-130
4-Bromofluorobenzene	EPA 8260C	96.8	70-130
Toluene-d8	EPA 8260C	100.0	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-014	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-029-180308	Sampling Time	8:59 AM		
Matrix	Water	Sample Location	X8C0169-14		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-014	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-029-180308	Sampling Time	8:59 AM		
Matrix	Water	Sample Location	X8C0169-14		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	1.23	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-014	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM		
Client Sample ID	GWMW-029-180308	Sampling Time	8:59 AM				
Matrix	Water	Sample Location	X8C0169-14				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-014		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	98.4	70-130
4-Bromofluorobenzene	EPA 8260C	98.4	70-130
Toluene-d8	EPA 8260C	99.6	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-015	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-031-180307	Sampling Time	9:30 AM		
Matrix	Water	Sample Location	X8C0169-15		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-015	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	GWMW-031-180307	Sampling Time	9:30 AM		
Matrix	Water	Sample Location	X8C0169-15		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-015	Sampling Date	3/7/2018		Date/Time Received	3/9/2018	10:34 AM
Client Sample ID	GWMW-031-180307	Sampling Time	9:30 AM				
Matrix	Water	Sample Location	X8C0169-15				
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-015		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	98.8	70-130
4-Bromofluorobenzene	EPA 8260C	98.0	70-130
Toluene-d8	EPA 8260C	99.6	70-130

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-016	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	MWS-1-2-180308	Sampling Time	11:17 AM		
Matrix	Water	Sample Location	X8C0169-16		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	2.41	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-016	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	MWS-1-2-180308	Sampling Time	11:17 AM		
Matrix	Water	Sample Location	X8C0169-16		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	1.66	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-016	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	MWS-1-2-180308	Sampling Time	11:17 AM		
Matrix	Water	Sample Location	X8C0169-16		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-016		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	99.2	70-130
4-Bromofluorobenzene	EPA 8260C	96.8	70-130
Toluene-d8	EPA 8260C	100.0	70-130

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COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-017	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	MWS-2-1-180308	Sampling Time			
Matrix	Water	Sample Location	X8C0169-17		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-017	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	MWS-2-1-180308	Sampling Time			
Matrix	Water	Sample Location	X8C0169-17		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-017	Sampling Date	3/8/2018	Date/Time Received	3/9/2018 10:34 AM			
Client Sample ID	MWS-2-1-180308	Sampling Time						
Matrix	Water	Sample Location	X8C0169-17					
Comments								
	Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
	sec-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
	Styrene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
	tert-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
	Tetrachloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
	Toluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
	trans-1,2-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
	trans-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
	Trichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
	Trichloroflouromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
	Vinyl Chloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-017		
Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	90.8	70-130
4-Bromofluorobenzene	EPA 8260C	78.8	70-130
Toluene-d8	EPA 8260C	94.8	70-130

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Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-018	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	MWS-1-1-180307	Sampling Time	11:59 AM		
Matrix	Water	Sample Location	X8C0169-18		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

Sample Number	180309031-018	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	MWS-1-1-180307	Sampling Time	11:59 AM		
Matrix	Water	Sample Location	X8C0169-18		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	3/20/2018	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report

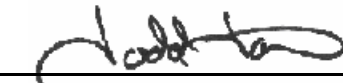
Sample Number	180309031-018	Sampling Date	3/7/2018	Date/Time Received	3/9/2018 10:34 AM
Client Sample ID	MWS-1-1-180307	Sampling Time	11:59 AM		
Matrix	Water	Sample Location	X8C0169-18		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	3/20/2018	SAT	EPA 8260C	

Surrogate Data

Sample Number	180309031-018			
Surrogate Standard	Method	Percent Recovery	Control Limits	
1,2-Dichlorobenzene-d4	EPA 8260C	98.0	70-130	
4-Bromofluorobenzene	EPA 8260C	96.4	70-130	
Toluene-d8	EPA 8260C	99.6	70-130	

Authorized Signature



Todd Taruscio, Lab Manager

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

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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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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
1,1-Dichloroethene	9.37	ug/L	10	93.7	80-120	3/19/2018	3/20/2018
Benzene	9.50	ug/L	10	95.0	80-120	3/19/2018	3/19/2018
Chlorobenzene	9.97	ug/L	10	99.7	80-120	3/19/2018	3/19/2018
Chloroform	9.48	ug/L	10	94.8	80-120	3/19/2018	3/19/2018
cis-1,2-dichloroethene	9.84	ug/L	10	98.4	80-120	3/19/2018	3/19/2018
Ethylbenzene	9.56	ug/L	10	95.6	80-120	3/19/2018	3/19/2018
o-Xylene	9.80	ug/L	10	98.0	80-120	3/19/2018	3/19/2018
Tetrachloroethene	9.77	ug/L	10	97.7	80-120	3/19/2018	3/19/2018
1,1-Dichloroethene	9.84	ug/L	10	98.4	80-120	3/19/2018	3/19/2018
Trichloroethene	9.70	ug/L	10	97.0	80-120	3/19/2018	3/19/2018
Trichloroethene	9.12	ug/L	10	91.2	80-120	3/19/2018	3/20/2018
Benzene	9.15	ug/L	10	91.5	80-120	3/19/2018	3/20/2018
Chlorobenzene	9.34	ug/L	10	93.4	80-120	3/19/2018	3/20/2018
Chloroform	9.30	ug/L	10	93.0	80-120	3/19/2018	3/20/2018
cis-1,2-dichloroethene	9.32	ug/L	10	93.2	80-120	3/19/2018	3/20/2018
Ethylbenzene	9.20	ug/L	10	92.0	80-120	3/19/2018	3/20/2018
o-Xylene	9.33	ug/L	10	93.3	80-120	3/19/2018	3/20/2018
Tetrachloroethene	8.99	ug/L	10	89.9	80-120	3/19/2018	3/20/2018
Toluene	9.30	ug/L	10	93.0	80-120	3/19/2018	3/20/2018
Toluene	9.74	ug/L	10	97.4	80-120	3/19/2018	3/19/2018

Lab Control Sample Duplicate

Parameter	LCSD Result	Units	LCSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Trichloroethene	9.70	ug/L	10	97.0	6.2	0-25	3/19/2018	3/20/2018
Toluene	9.74	ug/L	10	97.4	4.6	0-25	3/19/2018	3/20/2018
Tetrachloroethene	9.77	ug/L	10	97.7	8.3	0-25	3/19/2018	3/20/2018
o-Xylene	9.80	ug/L	10	98.0	4.9	0-25	3/19/2018	3/20/2018
Ethylbenzene	9.56	ug/L	10	95.6	3.8	0-25	3/19/2018	3/20/2018
Chlorobenzene	9.97	ug/L	10	99.7	6.5	0-25	3/19/2018	3/20/2018
Benzene	9.50	ug/L	10	95.0	3.8	0-25	3/19/2018	3/20/2018
1,1-Dichloroethene	9.84	ug/L	10	98.4	4.9	0-25	3/19/2018	3/20/2018

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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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report Quality Control Data

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
180309031-004	Trichloroethene	ND	9.77	ug/L	10	97.7	70-130	3/19/2018	3/19/2018
180309031-004	Toluene	ND	9.87	ug/L	10	98.7	70-130	3/19/2018	3/19/2018
180309031-004	Tetrachloroethene	ND	9.61	ug/L	10	96.1	70-130	3/19/2018	3/19/2018
180309031-004	o-Xylene	ND	9.86	ug/L	10	98.6	70-130	3/19/2018	3/19/2018
180309031-004	Ethylbenzene	ND	9.74	ug/L	10	97.4	70-130	3/19/2018	3/19/2018
180309031-004	cis-1,2-dichloroethene	ND	9.99	ug/L	10	99.9	70-130	3/19/2018	3/19/2018
180309031-004	Chloroform	ND	9.69	ug/L	10	96.9	70-130	3/19/2018	3/19/2018
180309031-004	Chlorobenzene	ND	10.0	ug/L	10	100.0	70-130	3/19/2018	3/19/2018
180309031-004	Benzene	ND	9.65	ug/L	10	96.5	70-130	3/19/2018	3/19/2018
180309031-004	1,1-Dichloroethene	ND	10.1	ug/L	10	101.0	70-130	3/19/2018	3/19/2018

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Trichloroethene	9.72	ug/L	10	97.2	0.5	0-25	3/19/2018	3/19/2018
Toluene	9.73	ug/L	10	97.3	1.4	0-25	3/19/2018	3/19/2018
Tetrachloroethene	9.70	ug/L	10	97.0	0.9	0-25	3/19/2018	3/19/2018
o-Xylene	9.75	ug/L	10	97.5	1.1	0-25	3/19/2018	3/19/2018
Ethylbenzene	9.57	ug/L	10	95.7	1.8	0-25	3/19/2018	3/19/2018
cis-1,2-dichloroethene	10.0	ug/L	10	100.0	0.1	0-25	3/19/2018	3/19/2018
Chloroform	9.59	ug/L	10	95.9	1.0	0-25	3/19/2018	3/19/2018
Chlorobenzene	9.95	ug/L	10	99.5	0.5	0-25	3/19/2018	3/19/2018
Benzene	9.51	ug/L	10	95.1	1.5	0-25	3/19/2018	3/19/2018
1,1-Dichloroethene	9.78	ug/L	10	97.8	3.2	0-25	3/19/2018	3/19/2018

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	3/20/2018
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	3/19/2018
1,1,1-Trichloroethane	ND	ug/L	0.5	3/19/2018	3/19/2018
1,1,1-Trichloroethane	ND	ug/L	0.5	3/19/2018	3/20/2018
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	3/19/2018
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/19/2018	3/20/2018

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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Client: SPOKANE COUNTY UTILITIES
Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,1,2-Trichloroethane	ND	ug/L	0.5	3/19/2018	3/20/2018
1,1,2-Trichloroethane	ND	ug/L	0.5	3/19/2018	3/19/2018
1,1-Dichloroethane	ND	ug/L	0.5	3/19/2018	3/19/2018
1,1-Dichloroethane	ND	ug/L	0.5	3/19/2018	3/20/2018
1,1-Dichloroethene	ND	ug/L	0.5	3/19/2018	3/19/2018
1,1-Dichloroethene	ND	ug/L	0.5	3/19/2018	3/20/2018
1,1-dichloropropene	ND	ug/L	0.5	3/19/2018	3/19/2018
1,1-dichloropropene	ND	ug/L	0.5	3/19/2018	3/20/2018
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
1,2,3-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
1,2,3-Trichloropropane	ND	ug/L	0.5	3/19/2018	3/20/2018
1,2,3-Trichloropropane	ND	ug/L	0.5	3/19/2018	3/19/2018
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
1,2,4-Trichlorobenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
1,2,4-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/19/2018	3/20/2018
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	3/19/2018	3/19/2018
1,2-Dibromoethane	ND	ug/L	0.5	3/19/2018	3/19/2018
1,2-Dibromoethane	ND	ug/L	0.5	3/19/2018	3/20/2018
1,2-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
1,2-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
1,2-Dichloroethane	ND	ug/L	0.5	3/19/2018	3/19/2018
1,2-Dichloroethane	ND	ug/L	0.5	3/19/2018	3/20/2018
1,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	3/19/2018
1,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	3/20/2018
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
1,3,5-Trimethylbenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
1,3-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
1,3-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
1,3-Dichloropropane	ND	ug/L	0.5	3/19/2018	3/19/2018
1,3-Dichloropropane	ND	ug/L	0.5	3/19/2018	3/20/2018
1,4-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
1,4-Dichlorobenzene	ND	ug/L	0.5	3/19/2018	3/20/2018

Comments:

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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: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
2,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	3/19/2018
2,2-Dichloropropane	ND	ug/L	0.5	3/19/2018	3/20/2018
2-Chlorotoluene	ND	ug/L	0.5	3/19/2018	3/20/2018
2-Chlorotoluene	ND	ug/L	0.5	3/19/2018	3/19/2018
2-hexanone	ND	ug/L	2.5	3/19/2018	3/19/2018
2-hexanone	ND	ug/L	2.5	3/19/2018	3/20/2018
4-Chlorotoluene	ND	ug/L	0.5	3/19/2018	3/19/2018
4-Chlorotoluene	ND	ug/L	0.5	3/19/2018	3/20/2018
Acetone	ND	ug/L	2.5	3/19/2018	3/19/2018
Acetone	ND	ug/L	2.5	3/19/2018	3/20/2018
Acrylonitrile	ND	ug/L	0.5	3/19/2018	3/19/2018
Acrylonitrile	ND	ug/L	0.5	3/19/2018	3/20/2018
Benzene	ND	ug/L	0.5	3/19/2018	3/19/2018
Benzene	ND	ug/L	0.5	3/19/2018	3/20/2018
Bromobenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
Bromobenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
Bromochloromethane	ND	ug/L	0.5	3/19/2018	3/19/2018
Bromochloromethane	ND	ug/L	0.5	3/19/2018	3/20/2018
Bromodichloromethane	ND	ug/L	0.5	3/19/2018	3/20/2018
Bromodichloromethane	ND	ug/L	0.5	3/19/2018	3/19/2018
Bromoform	ND	ug/L	0.5	3/19/2018	3/19/2018
Bromoform	ND	ug/L	0.5	3/19/2018	3/20/2018
Bromomethane	ND	ug/L	0.5	3/19/2018	3/19/2018
Bromomethane	ND	ug/L	0.5	3/19/2018	3/20/2018
Carbon disulfide	ND	ug/L	0.5	3/19/2018	3/19/2018
Carbon disulfide	ND	ug/L	0.5	3/19/2018	3/20/2018
Carbon Tetrachloride	ND	ug/L	0.5	3/19/2018	3/20/2018
Carbon Tetrachloride	ND	ug/L	0.5	3/19/2018	3/19/2018
Chlorobenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
Chlorobenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
Chloroethane	ND	ug/L	0.5	3/19/2018	3/19/2018
Chloroethane	ND	ug/L	0.5	3/19/2018	3/20/2018
Chloroform	ND	ug/L	0.5	3/19/2018	3/20/2018
Chloroform	ND	ug/L	0.5	3/19/2018	3/19/2018

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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Address: 22515 N. ELK CHATTAROY ROAD
COLBERT, WA 99005
Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Chloromethane	ND	ug/L	0.5	3/19/2018	3/19/2018
Chloromethane	ND	ug/L	0.5	3/19/2018	3/20/2018
cis-1,2-dichloroethene	ND	ug/L	0.5	3/19/2018	3/19/2018
cis-1,2-dichloroethene	ND	ug/L	0.5	3/19/2018	3/20/2018
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	3/19/2018
cis-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	3/20/2018
Dibromochloromethane	ND	ug/L	0.5	3/19/2018	3/19/2018
Dibromochloromethane	ND	ug/L	0.5	3/19/2018	3/20/2018
Dibromomethane	ND	ug/L	0.5	3/19/2018	3/19/2018
Dibromomethane	ND	ug/L	0.5	3/19/2018	3/20/2018
Dichlorodifluoromethane	ND	ug/L	0.5	3/19/2018	3/19/2018
Dichlorodifluoromethane	ND	ug/L	0.5	3/19/2018	3/20/2018
Ethylbenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
Ethylbenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
Hexachlorobutadiene	ND	ug/L	0.5	3/19/2018	3/19/2018
Hexachlorobutadiene	ND	ug/L	0.5	3/19/2018	3/20/2018
Isopropylbenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
Isopropylbenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
m+p-Xylene	ND	ug/L	0.5	3/19/2018	3/20/2018
m+p-Xylene	ND	ug/L	0.5	3/19/2018	3/19/2018
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/19/2018	3/19/2018
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/19/2018	3/20/2018
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/19/2018	3/19/2018
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	3/19/2018	3/20/2018
Methylene chloride	ND	ug/L	2.5	3/19/2018	3/19/2018
Methylene chloride	ND	ug/L	2.5	3/19/2018	3/20/2018
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/19/2018	3/20/2018
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	3/19/2018	3/19/2018
Naphthalene	ND	ug/L	0.5	3/19/2018	3/20/2018
Naphthalene	ND	ug/L	0.5	3/19/2018	3/19/2018
n-Butylbenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
n-Butylbenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
n-Propylbenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
n-Propylbenzene	ND	ug/L	0.5	3/19/2018	3/20/2018

Comments:

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Attn: MIKE S. TERRIS

Batch #: 180309031
Project Name: SVL #X8C0169

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
o-Xylene	ND	ug/L	0.5	3/19/2018	3/19/2018
o-Xylene	ND	ug/L	0.5	3/19/2018	3/20/2018
p-isopropyltoluene	ND	ug/L	0.5	3/19/2018	3/19/2018
p-isopropyltoluene	ND	ug/L	0.5	3/19/2018	3/20/2018
sec-Butylbenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
sec-Butylbenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
Styrene	ND	ug/L	0.5	3/19/2018	3/20/2018
Styrene	ND	ug/L	0.5	3/19/2018	3/19/2018
tert-Butylbenzene	ND	ug/L	0.5	3/19/2018	3/20/2018
tert-Butylbenzene	ND	ug/L	0.5	3/19/2018	3/19/2018
Tetrachloroethene	ND	ug/L	0.5	3/19/2018	3/19/2018
Tetrachloroethene	ND	ug/L	0.5	3/19/2018	3/20/2018
Toluene	ND	ug/L	0.5	3/19/2018	3/19/2018
Toluene	ND	ug/L	0.5	3/19/2018	3/20/2018
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/19/2018	3/20/2018
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/19/2018	3/19/2018
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	3/19/2018
trans-1,3-Dichloropropene	ND	ug/L	0.5	3/19/2018	3/20/2018
Trichloroethene	ND	ug/L	0.5	3/19/2018	3/19/2018
Trichloroethene	ND	ug/L	0.5	3/19/2018	3/20/2018
Trichlorofluoromethane	ND	ug/L	0.5	3/19/2018	3/19/2018
Trichlorofluoromethane	ND	ug/L	0.5	3/19/2018	3/20/2018
Vinyl Chloride	ND	ug/L	0.5	3/19/2018	3/20/2018
Vinyl Chloride	ND	ug/L	0.5	3/19/2018	3/19/2018

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: 180309031

22515 N. ELK CHATTAROY ROAD

Order Date: 3/9/2018

COLBERT

WA

99005

Contact Name:

Project Name: SVL #X8C0169

Comment:

Sample #: 180309031-001 **Customer Sample #:** GWDW-001-180307

Recv'd:



Matrix: Water

Collector:

Date Collected: 3/7/2018

Quantity: 4

Date Received: 3/9/2018 10:34:00 AM

Time Collected: 8:08 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/21/2018	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-002 **Customer Sample #:** GWDW-002-180307

Recv'd:



Matrix: Water

Collector:

Date Collected: 3/7/2018

Quantity: 4

Date Received: 3/9/2018 10:34:00 AM

Time Collected: 9:46 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/21/2018	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-003 **Customer Sample #:** GWDW-003-180307

Recv'd:



Matrix: Water

Collector:

Date Collected: 3/7/2018

Quantity: 4

Date Received: 3/9/2018 10:34:00 AM

Time Collected: 12:19 PM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/21/2018	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

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

Order ID: 180309031
Order Date: 3/9/2018

Contact Name:

Project Name: SVL #X8C0169

Comment:

Sample #: 180309031-004 **Customer Sample #:** GWMS-005-180308

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/8/2018
Quantity: 4 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 8:39 AM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/21/2018	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-004A **Customer Sample #:** GWMS-005-180308A

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/8/2018
Quantity: 4 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 8:39 AM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/21/2018	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-004B **Customer Sample #:** GWMS-005-180308B

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/8/2018
Quantity: 4 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 8:39 AM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/21/2018	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-005 **Customer Sample #:** GWMS-004-180307

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/7/2018
Quantity: 4 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 2:47 PM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/21/2018	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

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

Order ID: 180309031
Order Date: 3/9/2018

Contact Name:

Project Name: SVL #X8C0169

Comment:

Sample #: 180309031-006 **Customer Sample #:** GWMW-009-180307

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/7/2018
Quantity: 4 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 9:00 AM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/21/2018	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-007 **Customer Sample #:** GWMW-010-180307

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/7/2018
Quantity: 3 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 10:38 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-008 **Customer Sample #:** GWMW-013-180307

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/7/2018
Quantity: 3 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 2:00 PM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-009 **Customer Sample #:** GWMW-014-180307

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/7/2018
Quantity: 3 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 12:50 PM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

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

Order ID: 180309031
Order Date: 3/9/2018

Contact Name:

Project Name: SVL #X8C0169

Comment:

Sample #: 180309031-010 **Customer Sample #:** GWMW-016-180308

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/8/2018
Quantity: 3 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 9:00 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-011 **Customer Sample #:** GWMW-19R-180307

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/7/2018
Quantity: 3 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 2:14 PM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-012 **Customer Sample #:** GWMW-020-180307

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/7/2018
Quantity: 3 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 11:56 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-013 **Customer Sample #:** GWMW-023-180308

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/8/2018
Quantity: 3 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 11:01 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

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

Order ID: 180309031
Order Date: 3/9/2018

Contact Name:

Project Name: SVL #X8C0169

Comment:

Sample #: 180309031-014 **Customer Sample #:** GWMW-029-180308

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/8/2018
Quantity: 4 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 8:59 AM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/21/2018	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-015 **Customer Sample #:** GWMW-031-180307

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/7/2018
Quantity: 3 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 9:30 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-016 **Customer Sample #:** MWS-1-2-180308

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/8/2018
Quantity: 3 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 11:17 AM
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

Sample #: 180309031-017 **Customer Sample #:** MWS-2-1-180308

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/8/2018
Quantity: 2 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:**
Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

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

Order ID: 180309031
Order Date: 3/9/2018

Contact Name:

Project Name: SVL #X8C0169

Comment:

Sample #: 180309031-018 **Customer Sample #:** MWS-1-1-180307

Recv'd: ☒ **Matrix:** Water **Collector:** **Date Collected:** 3/7/2018
Quantity: 4 **Date Received:** 3/9/2018 10:34:00 AM **Time Collected:** 11:59 AM
Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	3/21/2018	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	3/21/2018	<u>Normal (~10 Days)</u>

SAMPLE CONDITION RECORD

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature of the sample(s)? (°C)	1.5
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?	66

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

180309 031 SCOU Last Due **3/21/2018**
 1st SAM/P Due **3/7/2018** 1st RCVD **3/9/2018**
 SVL #X

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

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 # 94585814
OF COOLERS:

DATE: 3/8/18
PAGE 1 **OF** 2

PARAMETERS:	DATE	TIME	VOLATILES		SEMI VOLATILES		SAMPLERS:	NUMBER OF BOTTLES	COOLER NUMBER	COMMENTS
			8260B	8270C	BEHP	UNPRESERVED				
METHOD:			3-40 ml. VOA'S		1 LITER AMBER GLASS		M. TEARIS			
BOTTLES:			ANATEK LAB		ANATEK LAB		G. FISSETT			
LAB:							K. MCCARTHY			
PRESERVATION:										
SAMPLE IDENTIFICATION										
GUW DU-001-180308	3/8/18	0808	X	X	X	X	4	18		
GUW DU-002-180308		0946	X	X	X	X	4	#18		
GUW DU-003-180308		1219	X	X	X	X	4	18		
GUW MS-005-180308		0839	X	X	X	X	12	#6		ms/msd
GUW MS-004-180308		1447	X	X	X	X	4	#18		
GUW MW-009-180308		0960	X	X	X	X	4	18		
GUW MW-010-180308		1038	X	X	X	X	3	6		
GUW MW-013-180308		1400	X	X	X	X	3	6		
GUW MW-014-180308		1250	X	X	X	X	3	6		
GUW MW-016-180308		1447	X	X	X	X	3	6		
GUW MW-19R-180308		1414	X	X	X	X	3	6		

COMMENTS: Please fax or e-mail a sample condition report to Casi and Mike ASAP (509) 238-6812 mter_sp0co@...

RELINQUISHED BY: M. TEARIS DATE: 3-8-18
 SIGNATURE: [Signature]
 PRINT NAME: MIKE'S TERRORS TIME: 1600
 COMPANY: SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY: [Signature] TEMP: 15 °C
 SIGNATURE: [Signature]
 PRINT NAME: [Signature]
 COMPANY: [Signature]

ANATEK LABS RECEIVING LIST
 RECEIVED INTACT
 LABELS & CHAINS AGREE
 NO HEADSPACE
 ICE / ICE-PACKS PRESENT
 CUSTODY SEALS PRESENT

ALL VOC'S

PRESERVATIVES: Hel
 NUMBER OF CONTAINERS: 66 SHIPPED VIA: UPS
 DATE & TIME: 3/9/18 1034 INSPECTED BY: LA

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: JOHN CODDINGTON

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 # 9482889
OF COOLERS:

DATE: 3/8/18
PAGE 2 **OF** 2

PARAMETERS:	DATE	TIME	VOLATILES		SEMI VOLATILES		SAMPLERS:	COMMENTS
			8260B	8270C	BEHP	8270C		
METHOD:			3-40 ml.	1 LITER			M. TENNIS G. FISSETTE K. MCCARTY	
BOTTLES:			VOA'S	AMBER GLASS				
LAB:			ANATEK LAB	ANATEK LAB				
PRESERVATION:			HCl pH<2	UNPRESERVED				
SAMPLE IDENTIFICATION							NUMBER OF BOTTLES	COOLER NUMBER
12 GWMW-020-180308	3/8/18	1156					3	#6
13 GWMW-023-180308		1101					3	6
14 GWMW-029-180308		0859					4	18
15 GWMW-031-180308		0930					3	6
16 MWS-1-2-180308		1117					3	6
17 MWS-2-1-180308								
18 MWS-1-1-180307	3/7/18	1159					4	18

COMMENTS: Please fax or e-mail a sample condition report to Casi and Mike ASAP (509) 238-6812 mter_sp0co@ptera.net

RELINQUISHED BY: SIGNATURE: DATE: TIME: RECEIVED BY: SIGNATURE: DATE: TIME:

PRINT NAME: TIME: COMPANY: COMPANY:

All VOC's are in Cooler #6

APPENDIX C DISCHARGE MONITORING REPOTS

APPENDICES

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:	2017
Sample Point:	Wet well at the NW pond		Date/Time:	10/2/2017
Sampled By:				
Parameter	Reporting Limit	Result	Permit Limit	Frequency
Arsenic			0.41 mg/L	N/A
BTEX	3.0 ug/L	< 3.0 ug/L	<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: Cassandra Harvey, Water Resources Specialist

Date: 11/14/2017

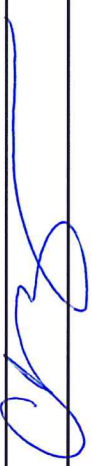
Comments:

Date	Flow (gpd)	pH
1	2243	
2	3480	7.7
3	2241	
4	2542	
5	2404	7.68
6	2473	
7	566	
8	1798	
9	1853	7.71
10	987	
11	565	
12	574	7.68
13	768	
14	555	
15	468	
16	446	7.72
17	476	
18	545	
19	598	7.75
20	975	
21	771	
22	888	
23	342	
24	404	7.73
25	427	
26	458	
27	494	7.7
28	366	
29	397	
30	364	7.72
31	299	
Total Flow		31767
Maximum		3480
Minimum		299
Average Flow		1024.741935
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:	November
			Year:	2017
Sample Point:	Wet well at the NW pond		Date/Time:	
Sampled By:				
Parameter	Reporting Limit	Result	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:	Cassandra Harvey, Water Resources Specialist	
Date:	12/4/2017	

Comments:

Date	Flow (gpd)	pH
1	503	
2	558	7.78
3	845	
4	723	
5	1023	
6	893	
7	675	7.72
8	567	
9	969	7.77
10	3579	
11	7582	
12	5158	
13	5981	7.15
14	5152	
15	5231	
16	7858	7.38
17	6901	
18	6349	
19	6132	
20	17441	7.65
21	46022	
22	59709	7
23	24292	
24	20238	
25	47299	
26	16752	
27	50811	7.04
28	15560	
29	14388	
30	40664	7.14
31		
Total Flow		419855
Maximum		59709
Minimum		503
Average Flow		13995.16667
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:	2017	
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	

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Facility Representative Signature: 

Printed Name and Title: Cassandra Harvey, Water Resources Specialist

Date: 1/10/2018

Comments:

Date	Flow (gpd)	pH
1	18533	
2	13682	
3	14280	
4	12506	7.06
5	11444	
6	11515	
7	36508	
8	40466	7.11
9	8049	
10	6135	
11	5317	7.14
12	4897	
13	4500	
14	3998	7.1
15	30496	
16	5111	
17	3888	
18	4832	7.24
19	46851	
20	67923	
21	56537	7.18
22	45619	
23	19705	
24	43621	
25	14698	
26	12256	7.21
27	47513	7.19
28	12665	
29	13963	
30	55918	
31	26744	
Total Flow	700170	
Maximum	67923	7.24
Minimum	3888	7.06
Average Flow	22586.12903	
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:	January
			Year:	2018
Sample Point:	Wet well at the NW pond			
Sampled By:	Date/Time:			
Parameter	Reporting Limit	Result	Permit Limit	Frequency
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

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Facility Representative Signature:

Printed Name and Title:

Cassandra Harvey, Water Resources Specialist

Date:

2/7/2018

Comments:

Date	Flow (gpd)	pH
1	46208	
2	27055	
3	43510	6.78
4	49886	
5	30504	6.88
6	16732	
7	15274	
8	17900	6.83
9	86449	
10	104224	
11	71761	
12	57966	6.86
13	58427	
14	75276	
15	69337	6.77
16	71605	
17	74445	
18	89884	6.66
19	79865	
20	44557	
21	53494	
22	32447	7.2
23	60386	
24	62677	
25	62843	7.09
26	67151	
27	63315	
28	28638	
29	79925	7.06
30	57311	
31	35924	
Total Flow		1734976
Maximum		104224
Minimum		15274
Average Flow		55966.96774
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:	February
			Year:	2018
Sample Point:	Wet well at the NW pond	Date/Time:		
Sampled By:				
Parameter	Reporting Limit	Result	Permit Limit	Frequency
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

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Facility Representative Signature:

Printed Name and Title:

Cassandra Harvey, Water Resources Specialist

Date:

3/5/2018

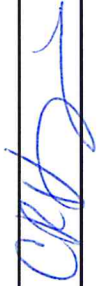
Comments:

Date	Flow (gpd)	pH
1	28182	6.79
2	36251	
3	65131	
4	41360	
5	70412	6.9
6	69724	
7	33806	
8	62528	6.99
9	52495	
10	35634	
11	25813	
12	55939	7.04
13	21928	
14	19370	
15	30161	6.91
16	18911	
17	17186	
18	17740	
19	40381	
20	16257	7.12
21	19234	
22	32865	7.07
23	12540	
24	12619	
25	12801	
26	32410	6.92
27	10846	
28	3788	
29		
30		
31		
Total Flow		895212
Maximum		70412
Minimum		3788
Average Flow		31971.85714
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:	March
			Year:	2018
Sample Point:	Wet well at the NW pond		Date/Time:	
Sampled By:				
Parameter	Reporting Limit	Result	Permit Limit	Frequency
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:	Cassandra Harvey, Water Resources Specialist
Date:	4/5/2018

Comments:

Date	Flow (gpd)	pH
1	10140	
2	29012	6.86
3	11727	
4	9646	
5	27247	6.8
6	15497	
7	12173	
8	56747	7.09
9	39179	
10	59003	
11	49560	
12	67597	7.07
13	37807	
14	55672	
15	42562	6.84
16	49012	
17	27264	
18	49291	
19	57531	7.02
20	33228	
21	34581	
22	53092	6.82
23	27745	
24	44975	
25	39510	
26	62846	7.15
27	29526	
28	45486	
29	24213	
30	22657	6.93
31	40659	
Total Flow	1165185	
Maximum	67597	7.15
Minimum	9646	6.8
Average Flow	37586.6129	
Permit Limit	78,000	5.0-11.0