



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

January 29, 2020

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

RE: Greenacres Landfill Groundwater Monitoring Annual Progress Report

Dear Bill,

Enclosed is a copy of the Greenacres Groundwater Monitoring Annual Progress Report for November 2019.

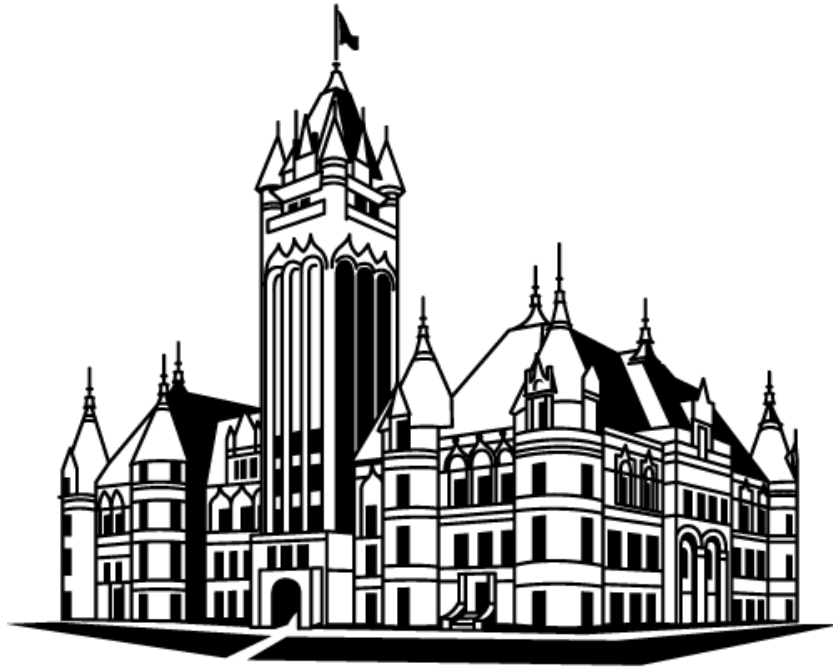
If you have any comments or questions, please call me at (509) 238-6607.

Sincerely,

Austin Stewart
Water Resource Specialist

Enc.

**GREENACRES LANDFILL ANNUAL PROGRESS REPORT
NOVEMBER 2019**



Spokane County

WASHINGTON

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1. INTRODUCTION

GREENACRES LANDFILL INFORMATION SUMMARY

SITE:	Greenacres Landfill Section 16, T 25N, R 45E in Spokane County, WA
REPORTING PERIOD:	December 1, 2018 through November 30, 2019.
REGULATORY AUTHORITY:	Washington State Department of Ecology, EPA Scope of work as stated in Consent Decree No. DE98TC-E105.
TECHNOLOGY:	Construction of landfill cover with negative pressure gas collection system to propane-assisted flare station.
CRITERIA:	Criteria were established as stated in the Consent Decree. See Table 1-1.
SAMPLING PROGRAMS:	Annual and semi-annual groundwater sampling program performed in accordance with the Greenacres Landfill SAP and the Final Cleanup Action Plan (CAP). Due to a variance between Spokane County and Ecology, the sampling schedule was switched from quarterly to semi-annual. Semi-annual sampling was performed in May 2019. Annual sampling was performed in November 2019. See Figure 1-1 for well locations, Table 1-2 for well summary, and Table 1-3 for sampling schedule.

Greenacres Landfill Clean-up Criteria

Table 1-1 Greenacres Landfill Groundwater Clean-up Criteria Summary

ANALYTE	ANALYTE ABBREVIATION	CLEAN-UP CRITERIA	UNITS
Volatile Organic Compounds			
1,2 Dichloroethane	1,2-DCA	5	ug/L
1,2-Dichloroethene (total)	1,2-DCE (total)	50	ug/L
Tetrachloroethene	PCE	5	ug/L
Trichloroethene	TCE	5	ug/L
Vinyl Chloride	VC	1	ug/L
Semi-Volatile Organics			
Bis(2-ethylhexyl)phtalate	BEHP	4	ug/L
Pentachlorophenol	PCP	1	ug/L
Metals			
Antimony	Sb	0.005	mg/L
Arsenic	As	0.005	mg/L
Lead	Pb	0.05	mg/L
Manganese	Mn	0.05	mg/L
Chromium	Cr	0.08	mg/L

Greenacres Landfill Site Location

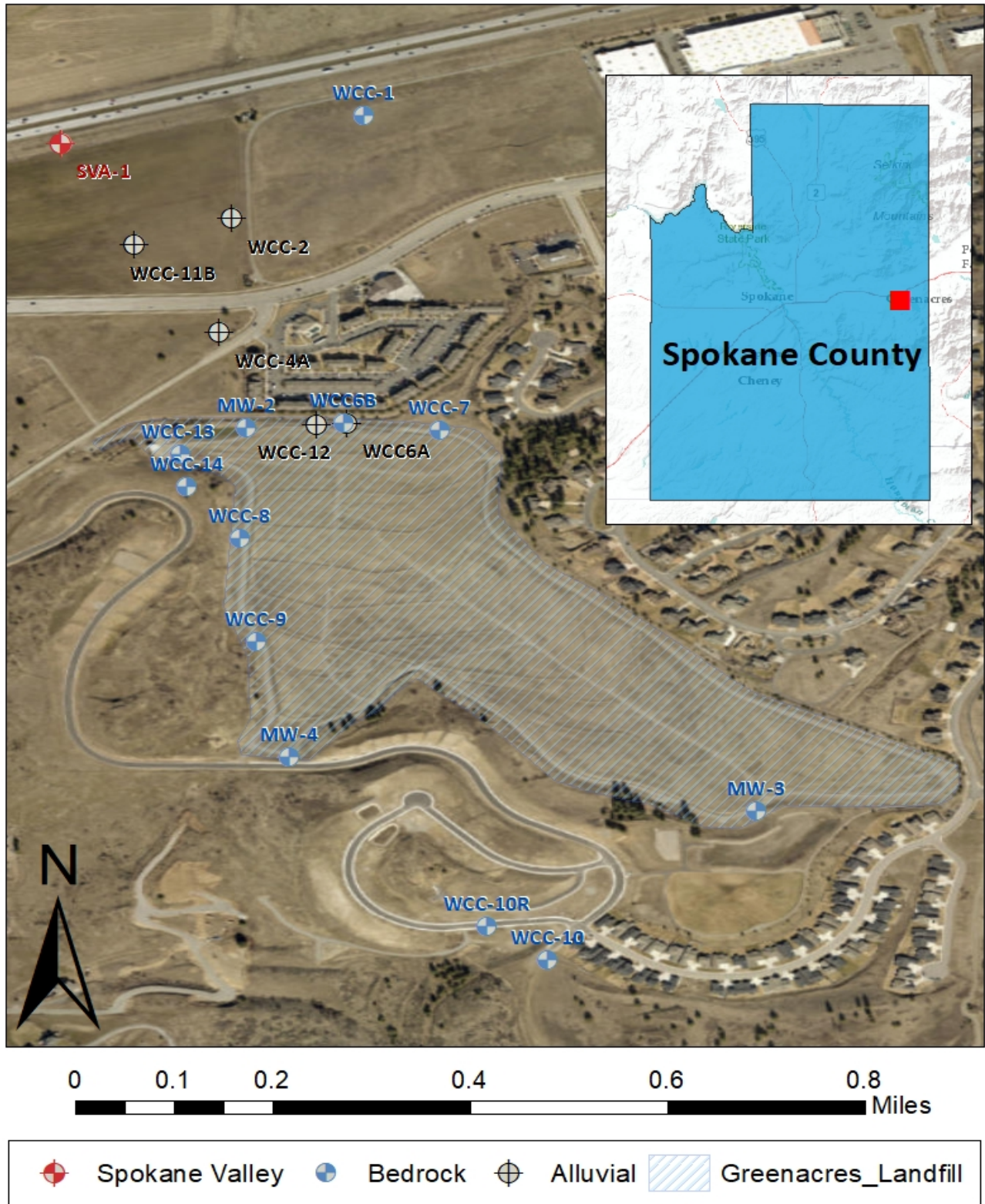


Figure 1-1: Greenacres Landfill Site Map

Greenacres Landfill Monitoring Well Information

Table 1-2: Greenacres Landfill Groundwater Monitoring Well Summary

Monitoring Well Number	Well Diameter (inches)	Well Head Elevation: Top PVC (ft MSL)	Total Boring Depth (ft)	Screened Interval Depth (ft)
Alluvial Aquifer				
SVA1	2	2054.47	127	114-124
WCC11A	2	2054.7	161	112-117
WCC11B	2	2055	161	129-139
WCC12	2	2093.2	106	90-100
WCC2	2	2059.3	123	113-123
WCC4A	2	2068.3	138	125-135
WCC6A	2	2093.9	99	85-95
Bedrock Aquifer				
MW2	4	2091.8	120	110-115
MW3	4	2305.64	57	49-54
MW4	2	2250.62	42	30-40
WCC1	2	2054.5	124	114-124
WCC10	2	2352.8	43	33-43
WCC13	2	2097.6	107	51-61
WCC14	2	2131.8	109	99-109
WCC3	2	2058.46	135	125-135
WCC5	2	2065.5	165	155-165
WCC6B	2	2093	136	126-136
WCC7	2	2105.4	86	76-86
WCC8	2	2162.5	111	100-110
WCC9	2	2204.8	45	35-45

Greenacres Landfill Sampling Schedule

Table 1-3: Greenacres Landfill Sampling Schedule

WELL NUMBER	FIELD PARAMETERS	VOC'S	PCP	BEHP	Metals I	Metals II	STATIC WATER LEVEL
SVA1	Semi-annually	Semi-annually	Annually	Annually	Semi-annually	Annually	Semi-annually
WCC-2	Semi-annually	Semi-annually	Annually	Semi-annually	Semi-annually	Annually	Semi-annually
WCC-4A	Semi-annually	Semi-annually	Annually	Annually	Semi-annually	Annually	Semi-annually
WCC-11B	Semi-annually	Semi-annually	Annually	Semi-annually	Semi-annually	Annually	Semi-annually
WCC-12	Semi-annually	Semi-annually	Annually	Annually	Semi-annually	Annually	Semi-annually
WCC-1	Semi-annually	Semi-annually	Annually	Semi-annually	Semi-annually	Annually	Semi-annually
WCC-7	Semi-annually	Semi-annually	Semi-annually	Semi-annually	Semi-annually	Annually	Semi-annually
WCC-8	Semi-annually	Semi-annually	Semi-annually	Annually	Semi-annually	Annually	Semi-annually
WCC-9	Semi-annually	Semi-annually	Annually	Semi-annually	Semi-annually	Annually	Semi-annually
WCC-10R	Annually	Annually	Annually	Annually	Annually	Annually	Semi-annually

Note: VOC's are PCE, 1,2-DCA, 1,2-DCE, TCE, and Vinyl Chloride

Metals I are arsenic and manganese

Metals II are antimony, chromium, and lead

Static water levels will be taken quarterly at all groundwater-monitoring wells on-site where possible

2. GROUNDWATER

2.1 FIELD DATA

Groundwater elevation measurements for this annual reporting period are presented in Table 2-1. Field parameters are shown in Table 2-2. Field sheets for the November 2019 sampling event are presented in Appendix A. In general, groundwater levels were highest during May for both the alluvial and bedrock wells. The highest turbidity values were seen in wells WCC-10R (bedrock) and WCC-12 (alluvial). Highest conductivities found were present in WCC-12 (alluvial) and WCC-7 (bedrock).

2.2 CRITERIA EXCEEDANCE

All sample results exceeding the clean-up criteria are presented in Table 2-3. Concentrations exceeding clean-up criteria were found only in alluvial aquifer wells. Analytes that exceeded the cleanup criteria during this reporting period include PCE, VC, Manganese, and Arsenic. Criteria detection/exceedance geospatial maps for these analytes are presented in Figures 2-2 through 2-5.

2.3 TREND ANALYSIS

Statistical trend analyses were performed on chemical data from 1994 to present date using Sen's non-parametric trend test (99% confidence). Statistically significant trends are included in Table 2-8. There were no statistically significant increasing trends during this reporting period. Most of the statistically significant decreasing trends are found in the alluvial monitoring wells.

Alluvial:

Alluvial well WCC11B exhibits decreasing trends for PCE and TCE. WCC12 shows decreasing trends for 1,2-DCA, cis-1,2-DCE, VC, and Manganese. WCC2 has statistically significant decreasing trends for cis-1,2-DCE, PCE, and Manganese. WCC4A contains the highest amount of decreasing trends, which includes: 1,2-DCA, cis-1,2-DCE, PCE, TCE VC, and Manganese. Out of the 4 total analytes that exceeded the cleanup criteria during this reporting period, 3 of them (PCE, VC, and Manganese) show statistically significant decreasing trends.

Bedrock:

Bedrock wells WCC1, WCC7, and WCC9 all exhibit statistically significant decreasing trends for PCE. WCC8 also shows a decreasing trend for cis-1,2-DCE.

2.4 CHEMICAL DATA

Table 2-4 presents volatile organic analyses results for the annual reporting period. Semi-volatile organic results are shown in Table 2-5, conventional results are presented in Table 2-6, and metals analyses results are shown in Table 2-7. Figures 2-6 through 2-18 present time series plots for alluvial aquifer well analyte concentrations. Time series plots for bedrock well analyte concentrations are shown in Figures 2-19 through 2-31. Laboratory analytical results are presented in Appendix C.

VOC's:

The alluvial aquifer wells had detectable concentrations of all analyzed VOC constituents during the May sampling event, and detectable concentrations for almost all of the analyzed VOC constituents during the November sampling event, excluding acetone and Trichlorofluoromethane (CFC-11). Alluvial aquifer well WCC-11B was the only well with PCE concentrations remaining above the criteria. Low concentrations of PCE were detected in the bedrock aquifer well WCC-7, and the alluvial aquifer well WCC4A. Low concentrations of cis-1, 2-Dichloroethene were detected in alluvial wells WCC12 and WCC4A. Vinyl chloride concentrations in WCC-12 exceeded criteria, and a low detection was found at WCC-4A. There were detections for TCE found in alluvial wells WCC11B and WCC12, but the concentrations continue to remain under the criteria.

SVOC's:

There were no concentrations found above the cleanup criteria for BEHP during this reporting period. Low concentrations of BEHP were detected during the November sampling event for alluvial well WCC12, and during the May sampling event for bedrock well WCC9. Low concentrations of 1,4-Dichlorobenzene were detected in the alluvial aquifer well WCC12 during the May sampling event.

Conventionals:

Low concentrations of nitrate were found in alluvial well WCC2 and bedrock wells WCC8, WCC9, and WCC10R.

Metals:

Alluvial aquifer well WCC-12 exhibited detectable concentrations of arsenic and Manganese over the cleanup criteria for both sampling events. Alluvial aquifer monitoring wells WCC-2 and WCC-4A had detectable concentrations of manganese during this reporting year, with WCC-2 concentrations exceeding criteria. Lead, antimony, and chromium were not found in any of the monitoring wells sampled during this reporting period.

2.5 SUMMARY

In general, the alluvial unit monitoring wells had higher concentrations and more detections of most analytes than the bedrock unit wells. The highest concentrations of analytes tend to be near the northern edge of the landfill.

Greenacres Landfill Groundwater Elevations

Table 2-1 Greenacres Landfill Groundwater Elevation Data

StationID	Unit	5-2019*	11-2019*
SVA1	Alluvial Aquifer	1960.27	1955.86
WCC11A	Alluvial Aquifer	1960.47	1955.98
WCC11B	Alluvial Aquifer	1961.11	1956.78
WCC12	Alluvial Aquifer	1996.40	1996.35
WCC2	Alluvial Aquifer	1961.39	1956.86
WCC4A	Alluvial Aquifer	1964.59	1964.51
WCC6A	Alluvial Aquifer	2000.70	2004.20
MW2	Bedrock Aquifer	2052.95	2051.34
WCC1	Bedrock Aquifer	1961.80	1957.44
WCC10R	Bedrock Aquifer	2337.80	2336.59
WCC13	Bedrock Aquifer	2064.35	2058.10
WCC6B	Bedrock Aquifer	2031.95	2031.00
WCC7	Bedrock Aquifer	2034.32	2034.50
WCC8	Bedrock Aquifer	2110.63	2110.30
WCC9	Bedrock Aquifer	2182.28	2174.25

*Water Elevations: ft above MSL

Greenacres Estimated Groundwater Contours

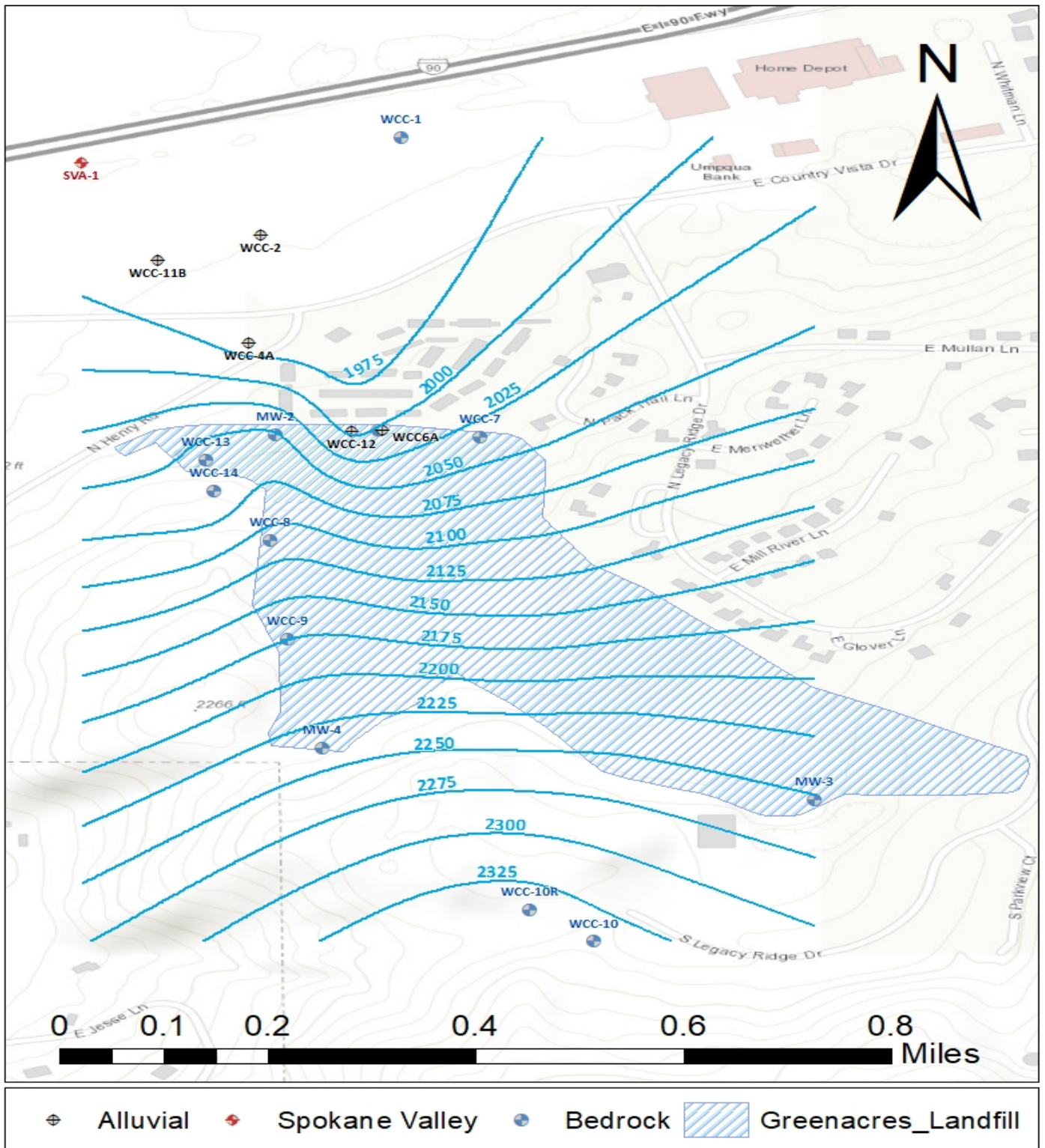


Figure 2-1: Greenacres Landfill Estimated Groundwater Contours

Greenacres Landfill Field Parameters

Table 2-2 Greenacres Landfill Annual Monitoring Well Field Parameters

StationID	Unit	SampleDate	Temp*	PH*	Conductivity*	Turbidity*
SVA1	Alluvial Aquifer	5/8/2019	11.7	7.73	296	0.41
SVA1	Alluvial Aquifer	11/5/2019	11	7.75	284	0.52
WCC11B	Alluvial Aquifer	5/8/2019	11.9	7.62	713	0.14
WCC11B	Alluvial Aquifer	11/5/2019	11.4	7.56	780	0.12
WCC12	Alluvial Aquifer	5/8/2019	14.9	6.58	893	1.13
WCC12	Alluvial Aquifer	11/5/2019	14	6.57	915	1.11
WCC2	Alluvial Aquifer	5/8/2019	10.6	7.29	474	0.42
WCC2	Alluvial Aquifer	11/5/2019	10.5	7.31	455	0.41
WCC4A	Alluvial Aquifer	5/8/2019	10.9	6.67	768	0.19
WCC4A	Alluvial Aquifer	11/5/2019	9.8	6.77	746	0.23
WCC1	Bedrock Aquifer	5/8/2019	12	7.7	506	0.18
WCC1	Bedrock Aquifer	11/5/2019	11.4	7.76	504	0.26
WCC10R	Bedrock Aquifer	11/5/2019	11.6	7.98	231	6.95
WCC7	Bedrock Aquifer	5/8/2019	12.2	7.36	831	0.12
WCC7	Bedrock Aquifer	11/5/2019	11.3	7.37	818	0.15
WCC8	Bedrock Aquifer	5/8/2019	11.7	6.84	131	0.51
WCC8	Bedrock Aquifer	11/5/2019	11.5	7.54	153	0.52
WCC9	Bedrock Aquifer	5/8/2019	11.1	6.53	83	1.72
WCC9	Bedrock Aquifer	11/5/2019	11.5	6.48	142	0.47

* Temp: Degrees C, Conductivity: umhos/cm, Turbitiy: NTU

Greenacres Landfill Criteria Exceedances

Table 2-3: Greenacres Landfill Clean-up Criteria Exceedances

StationID	Unit	SampleDate	Concentration	Criteria	units	Analyte	Type
WCC11B	Alluvial Aquifer	5/8/2019	7.91	5	ug/L	PCE	V
WCC11B	Alluvial Aquifer	11/5/2019	7.54	5	ug/L	PCE	V
WCC12	Alluvial Aquifer	5/8/2019	0.0414	0.005	mg/L	As	I
WCC12	Alluvial Aquifer	5/8/2019	1.6	0.05	mg/L	Mn	I
WCC12	Alluvial Aquifer	5/8/2019	7.42	1	ug/L	VC	V
WCC12	Alluvial Aquifer	11/5/2019	0.0358	0.005	mg/L	As	I
WCC12	Alluvial Aquifer	11/5/2019	1.62	0.05	mg/L	Mn	I
WCC12	Alluvial Aquifer	11/5/2019	4.29	1	ug/L	VC	V
WCC2	Alluvial Aquifer	5/8/2019	0.125	0.05	mg/L	Mn	I
WCC2	Alluvial Aquifer	11/5/2019	0.0513	0.05	mg/L	Mn	I

Greenacres Landfill Volatile Organic Compound Detections

Table 2-4: Greenacres Landfill Annual Volatile Organic Results (ug/L)

StationID	Unit	SampleDate	1,2-DCA	CFC 12	CFC-11	cis-1,2-DCE	PCE	TCE	VC
WCC11B	Alluvial Aquifer	5/8/2019		1.68	0.65		7.91	0.99	
WCC11B	Alluvial Aquifer	11/5/2019		1.36			7.54	0.95	
WCC12	Alluvial Aquifer	5/8/2019	1.15	0.69		8.9		0.53	7.42
WCC12	Alluvial Aquifer	11/5/2019	1.59			4.94			4.29
WCC4A	Alluvial Aquifer	5/8/2019		0.63		3.09	1.29		0.94
WCC4A	Alluvial Aquifer	11/5/2019		0.55		3.23	1.34		0.77
WCC7	Bedrock Aquifer	5/8/2019					1.52		
WCC7	Bedrock Aquifer	11/5/2019					1.23		

*Criteria exceedances are in **RED**

Greenacres Landfill Semi-Volatile Organic Compound Detections

Table 2-5: Greenacres Landfill Annual Semi-Volatile Organic Results (ug/L)

StationID	Unit	SampleDate	1,4-DCB	BEHP
WCC12	Alluvial Aquifer	5/8/2019	0.71	
WCC12	Alluvial Aquifer	11/5/2019		2.5
WCC9	Bedrock Aquifer	5/8/2019		0.51

*Criteria exceedances are in **RED**

Greenacres Landfill Conventional Detections

Table 2-6: Greenacres Landfill Annual Conventionals Results (mg/L)

StationID	Unit	SampleDate	NO3
WCC10R	Bedrock Aquifer	11/5/2019	1.82
WCC2	Alluvial Aquifer	5/8/2019	1.74
WCC2	Alluvial Aquifer	11/5/2019	1.42
WCC8	Bedrock Aquifer	5/8/2019	1.29
WCC8	Bedrock Aquifer	11/5/2019	1.39
WCC9	Bedrock Aquifer	5/8/2019	2.21
WCC9	Bedrock Aquifer	11/5/2019	2.84

*Criteria exceedances are in **RED**

Greenacres Landfill Inorganic Detections

Table 2-7: Greenacres Landfill Annual Metals Results (mg/L)

StationID	Unit	SampleDate	As	Mn
WCC10R	Bedrock Aquifer	11/5/2019		0.0301
WCC12	Alluvial Aquifer	5/8/2019	0.0414	1.6
WCC12	Alluvial Aquifer	11/5/2019	0.0358	1.62
WCC2	Alluvial Aquifer	5/8/2019		0.125
WCC2	Alluvial Aquifer	11/5/2019		0.053
WCC4A	Alluvial Aquifer	5/8/2019		0.0203
WCC4A	Alluvial Aquifer	11/5/2019		0.0229

*Criteria exceedances are in **RED**

VOC detections/exceedance maps – Tetrachloroethene

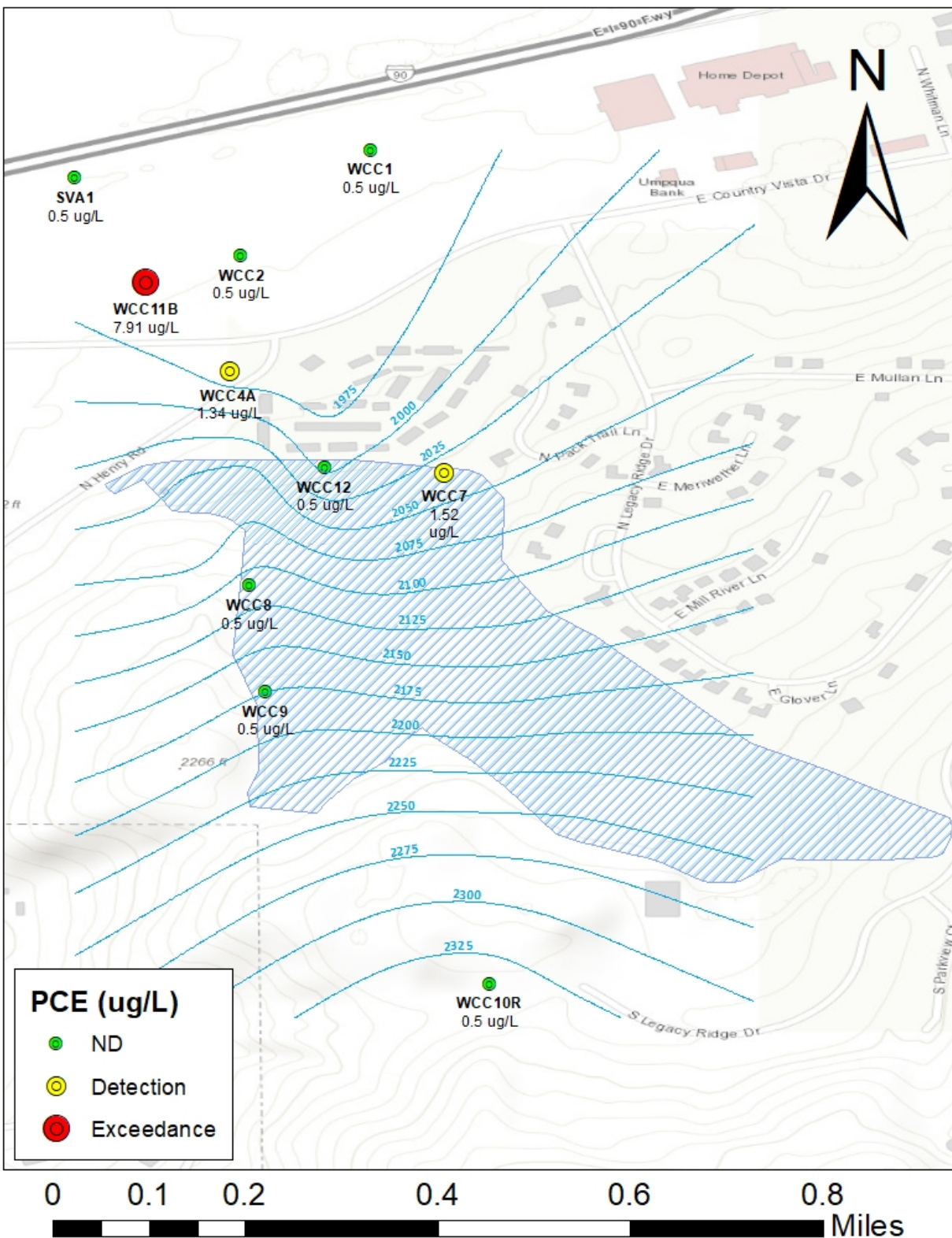


Figure 2-2: Tetrachloroethene detections/exceedance map

VOC Detections/Exceedance Maps – Vinyl chloride

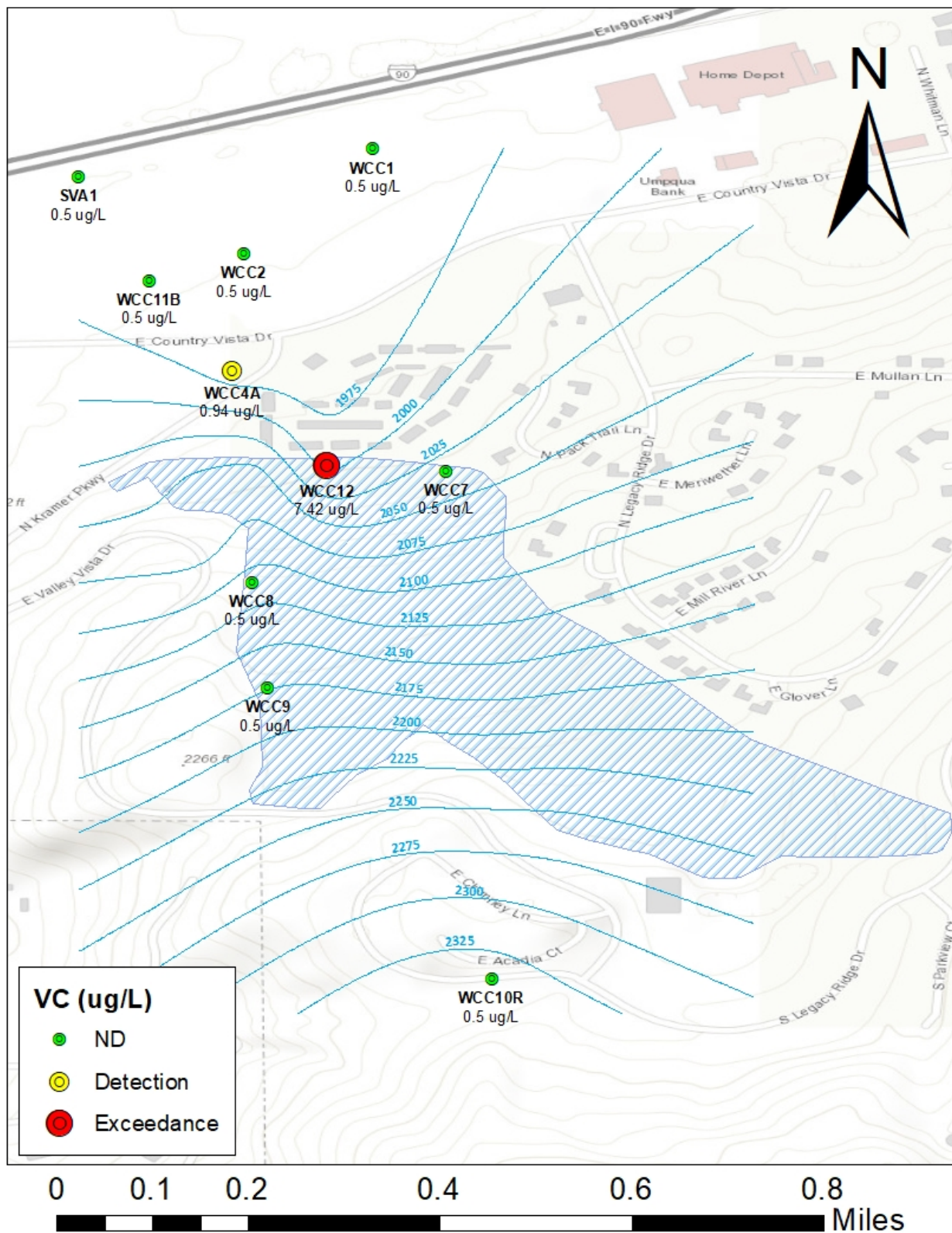


Figure 2-3: Vinyl chloride detections/exceedance map

Inorganics Detections/Exceedance Maps – Manganese

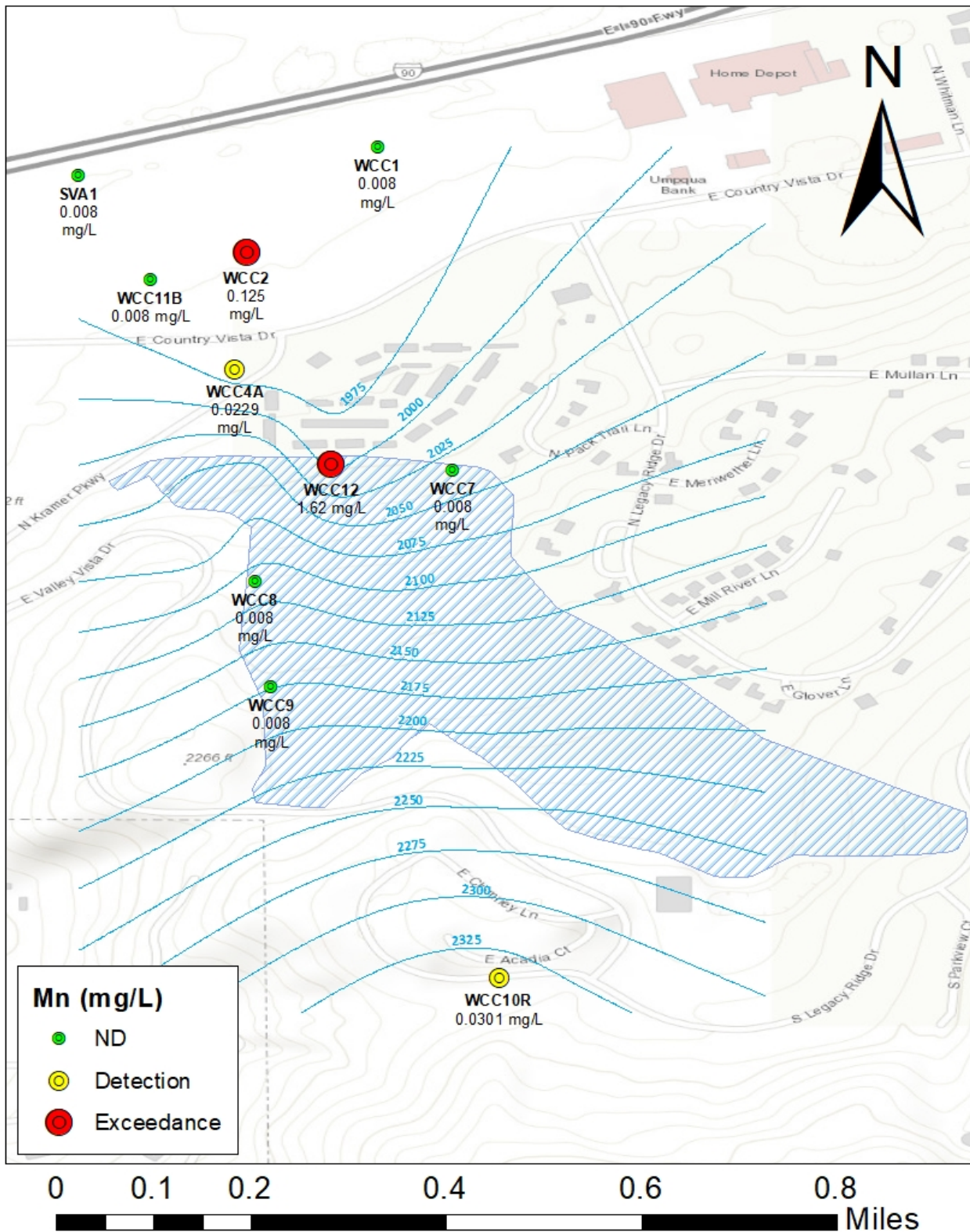


Figure 2-4: Manganese detections/exceedance map

Inorganic Detections/Exceedance Maps – Arsenic

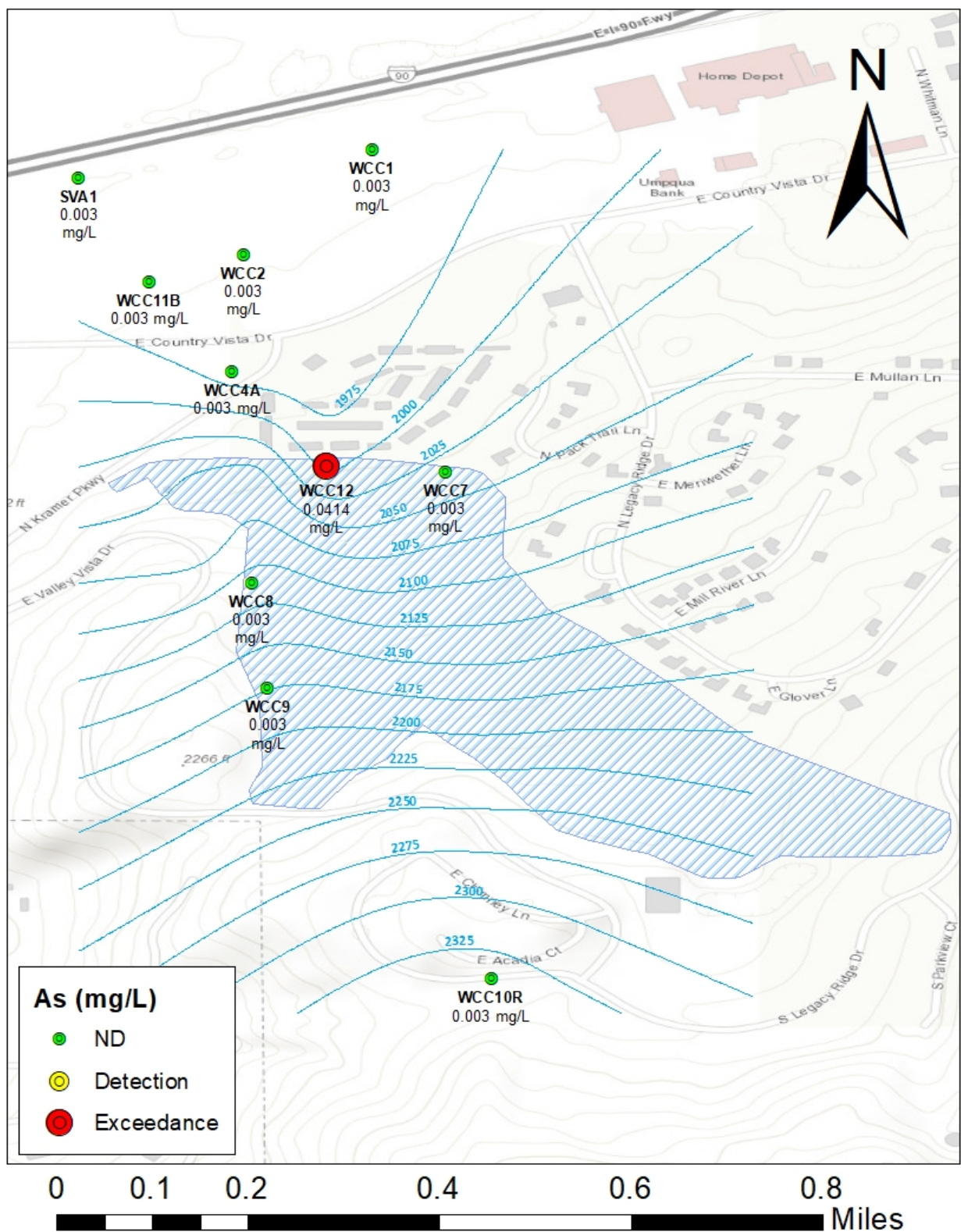
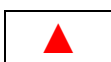


Figure 2-5: Arsenic detections/exceedance map

Greenacres Landfill Trend Analysis - 2019

Table 2-8: Greenacres Landfill Statistically Significant Trends (Sen's Test) 2019

Type	Unit:	Alluvial					Bedrock				
	Analyte	SVA1	WCC11B	WCC12	WCC2	WCC4A	WCC1	WCC10R	WCC7	WCC8	WCC9
VOCs	1,2-DCA			▼		▼					
	cis-1,2-DCE			▼	▼	▼				▼	
	PCE		▼		▼	▼	▼		▼		▼
	TCE		▼			▼					
	VC			▼		▼					
SVOCs	BEHP										
	PCP										
Metals	Sb										
	As										
	Pb										
	Mn			▼	▼	▼					
	Cr										



Increasing trend



Decreasing trend

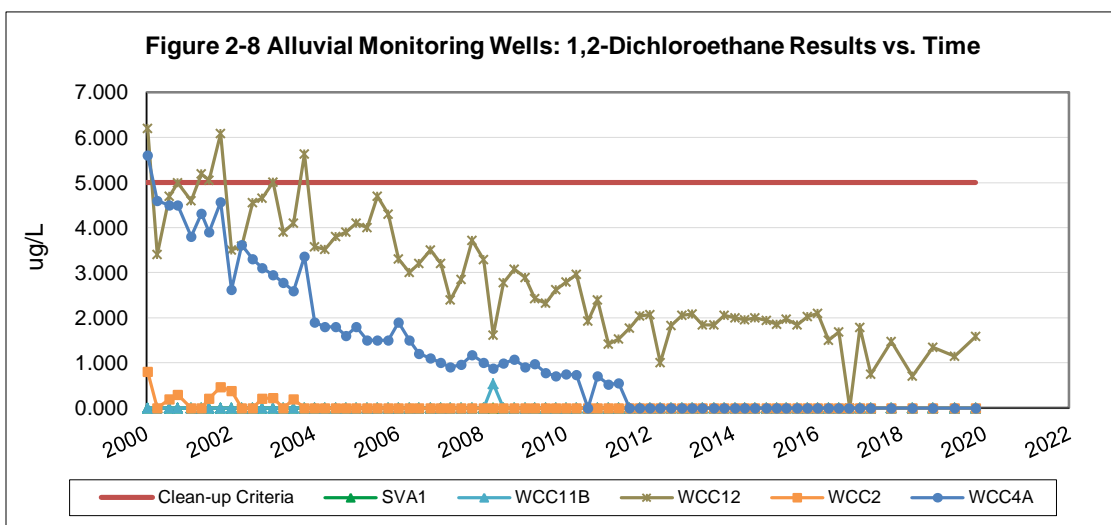
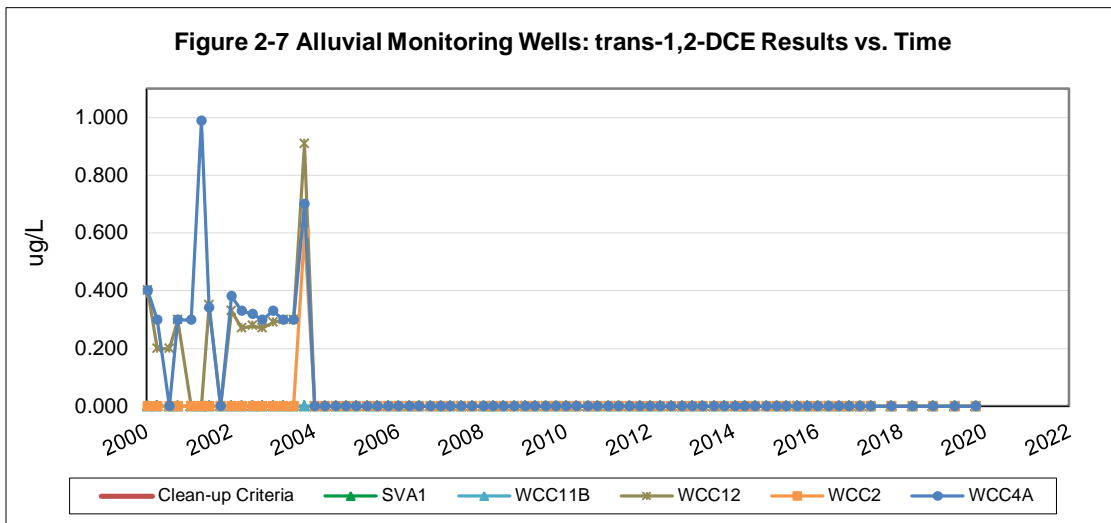
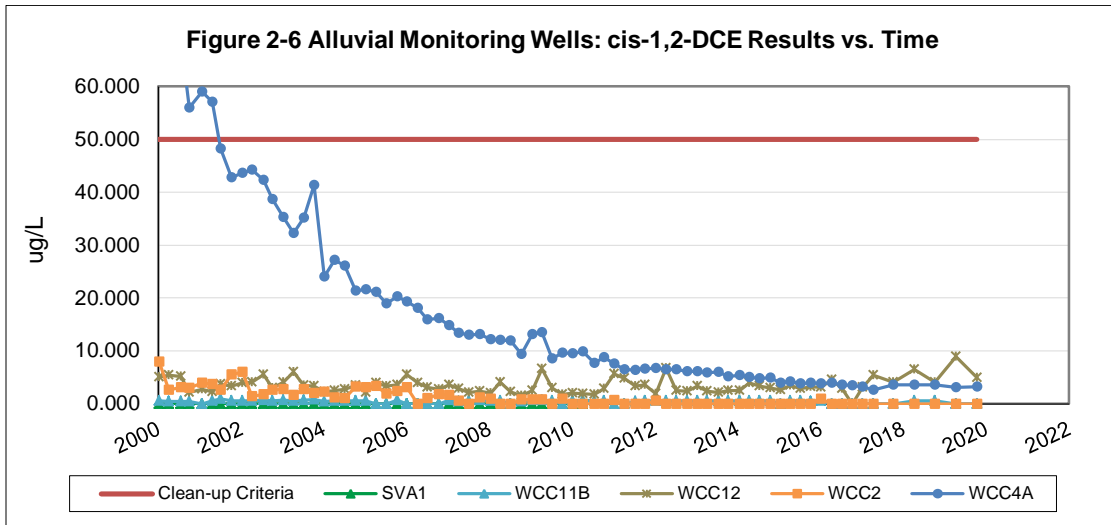


Criteria exceeded during this reporting period

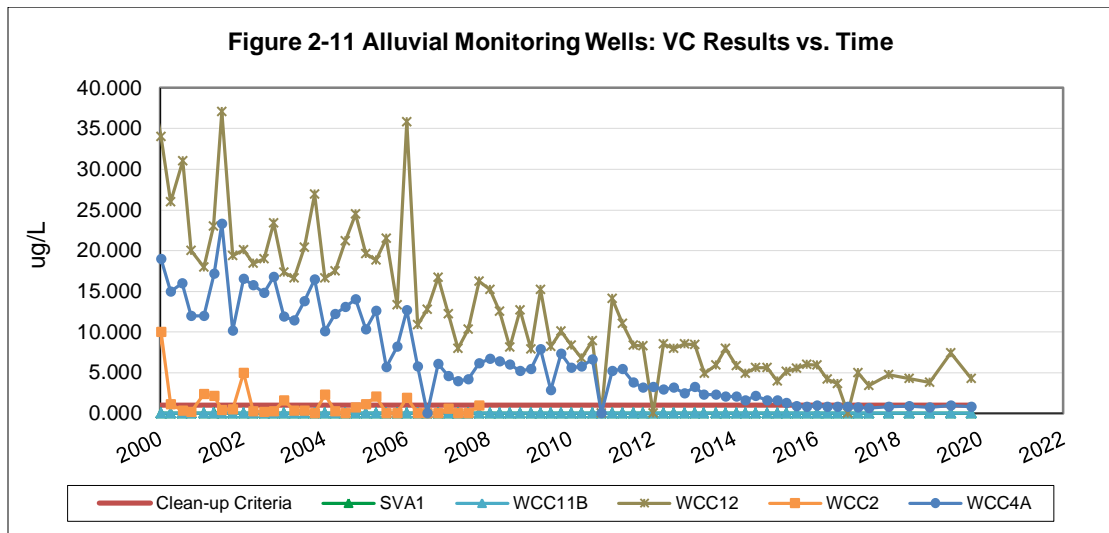
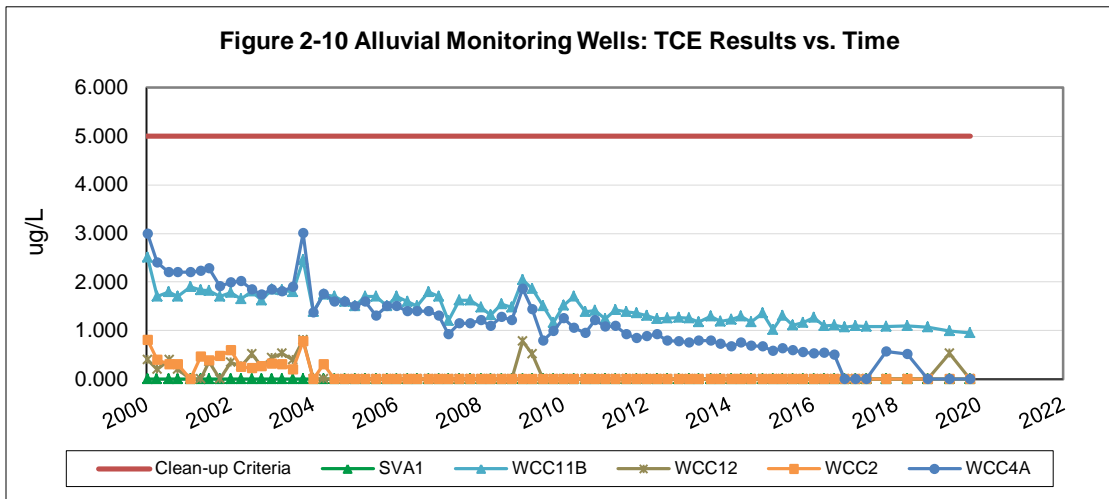
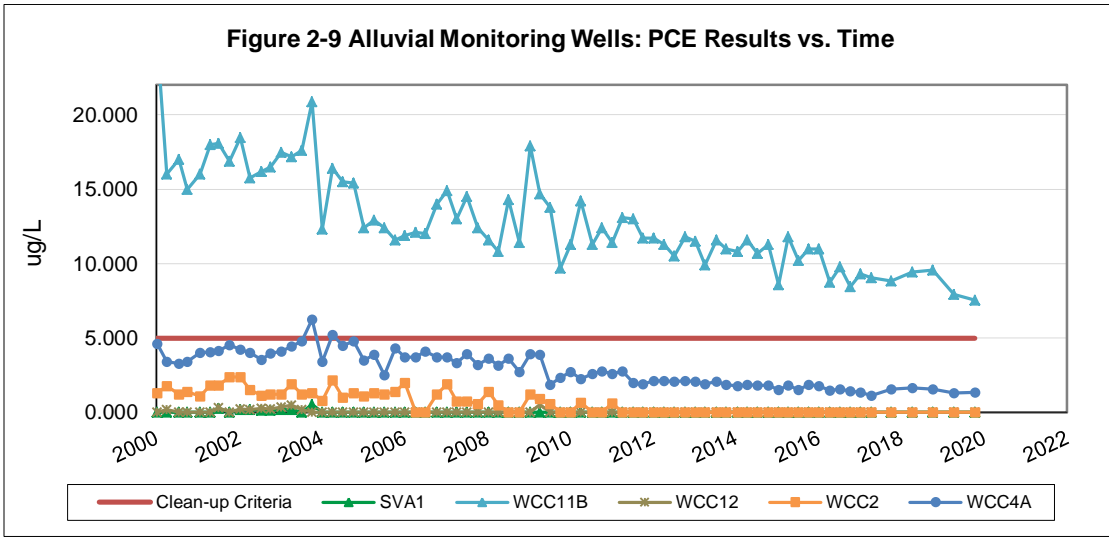
Statistical analysis calculated on data after January 1994 using a 99% Confidence level

Alluvial Monitoring Wells: Concentration Time Series Graphs

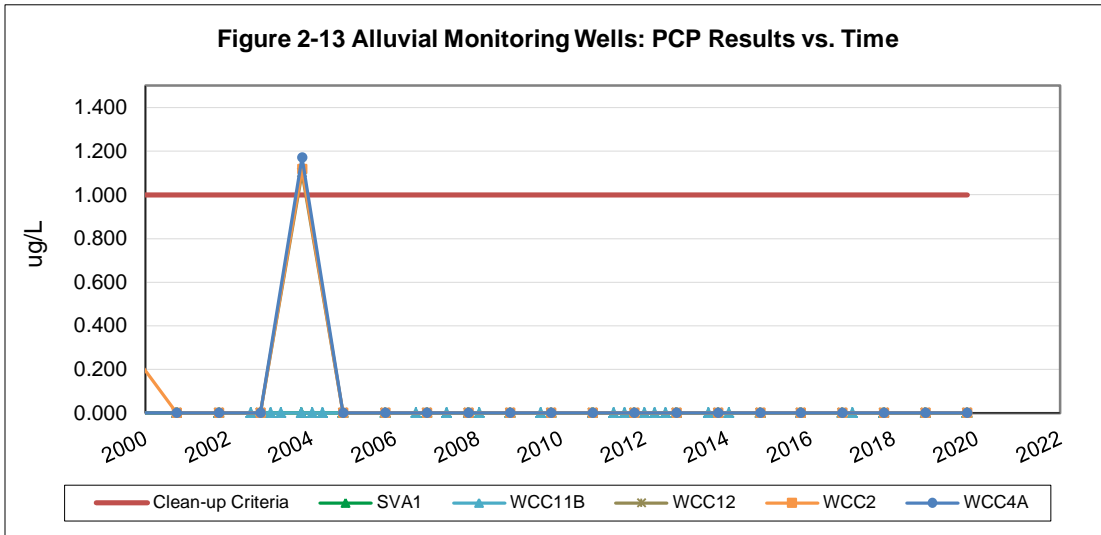
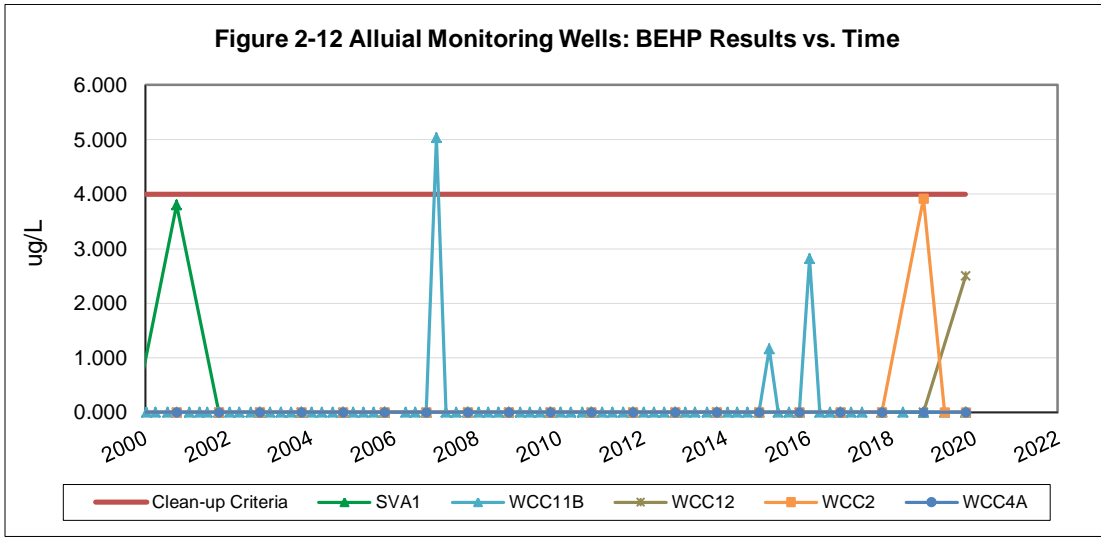
Figures 2-6 – 2-13: Alluvial Wells – VOCs/SVOCs Concentration Graphs



Alluvial Wells – VOCs/SVOCs Concentration Graphs

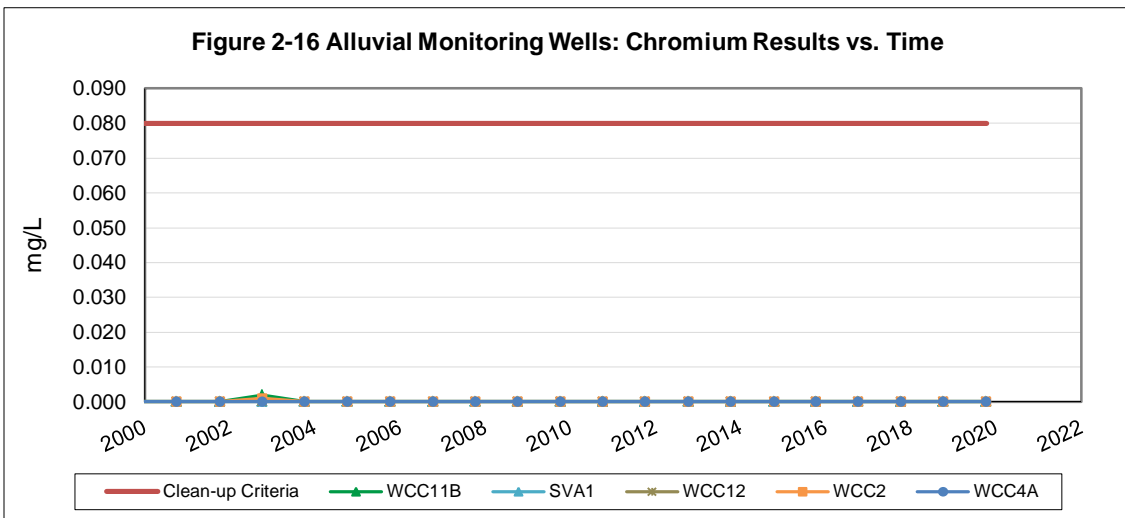
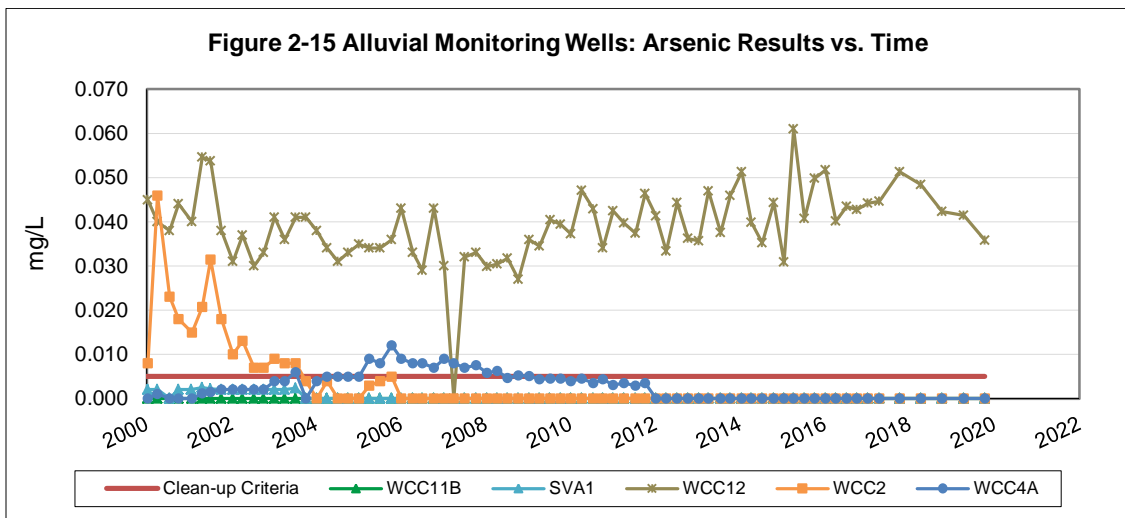
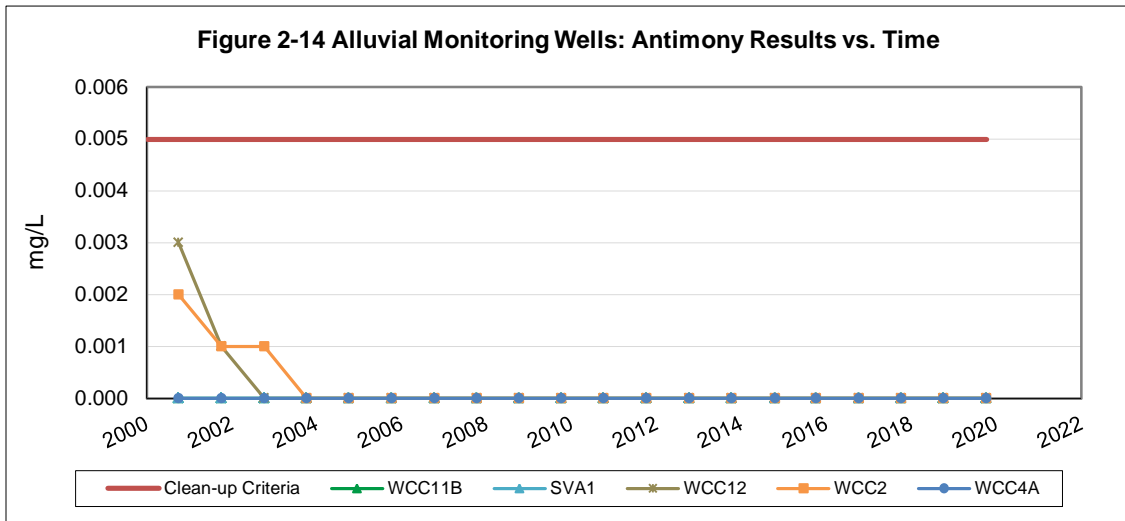


Alluvial Wells – VOCs/SVOCs Concentration Graphs

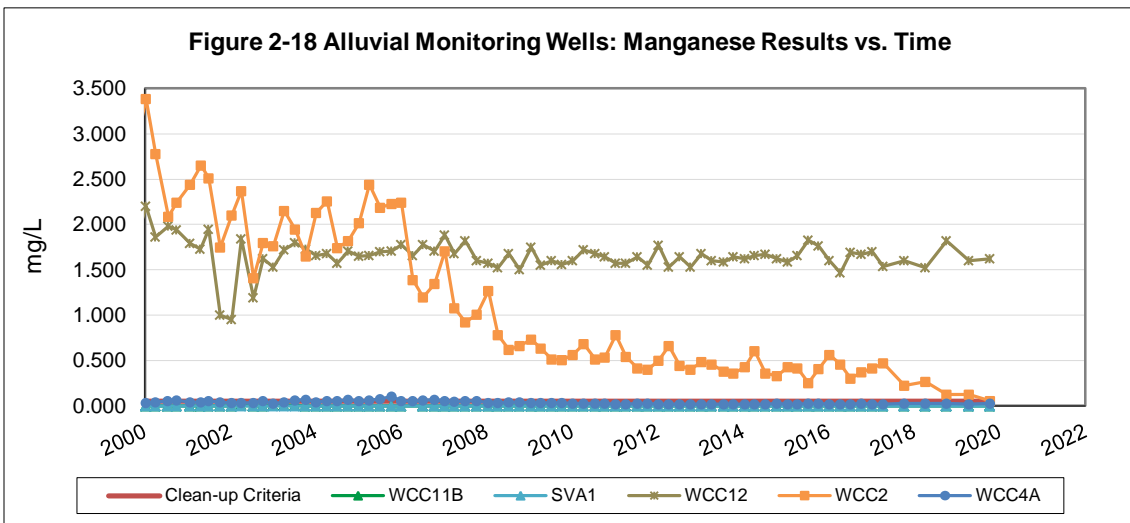
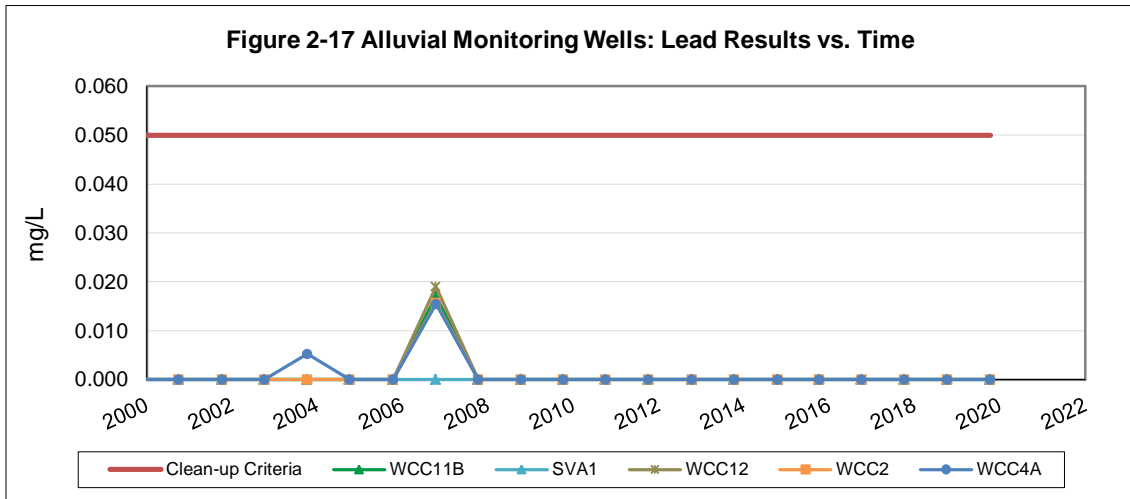


Alluvial Wells – Inorganics Concentration Graphs

Figures 2-14 – 2-18: Alluvial wells – Inorganics Concentration Graphs

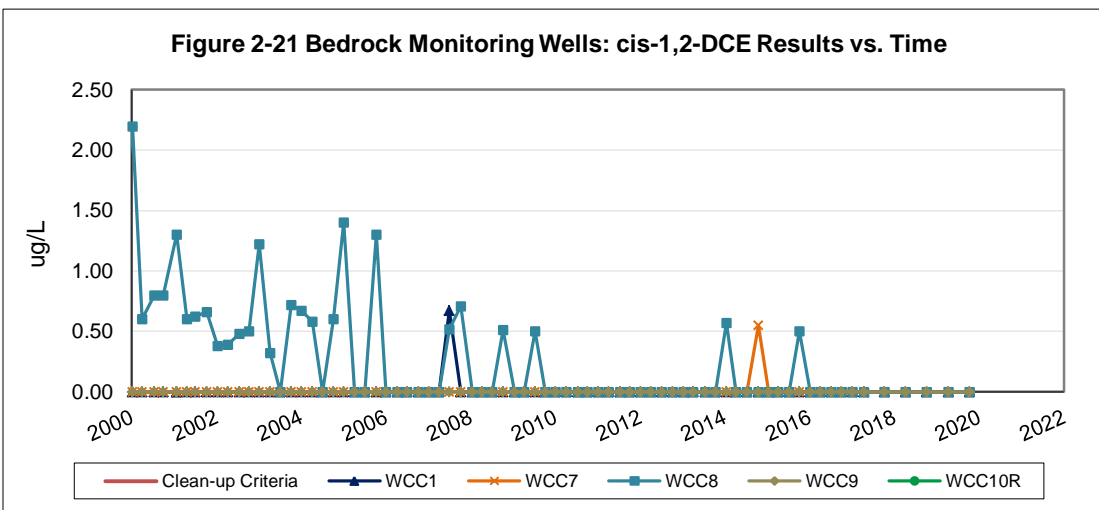
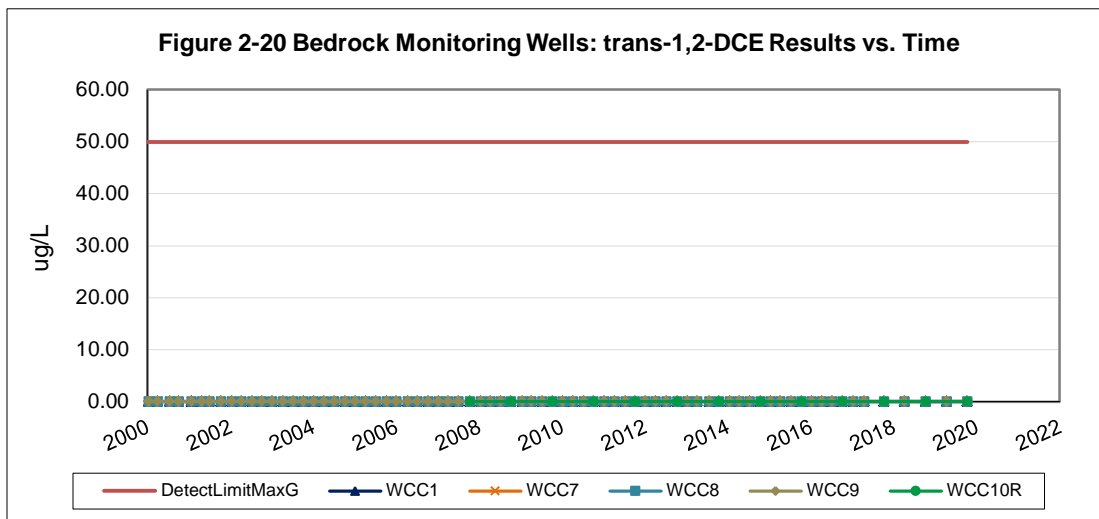
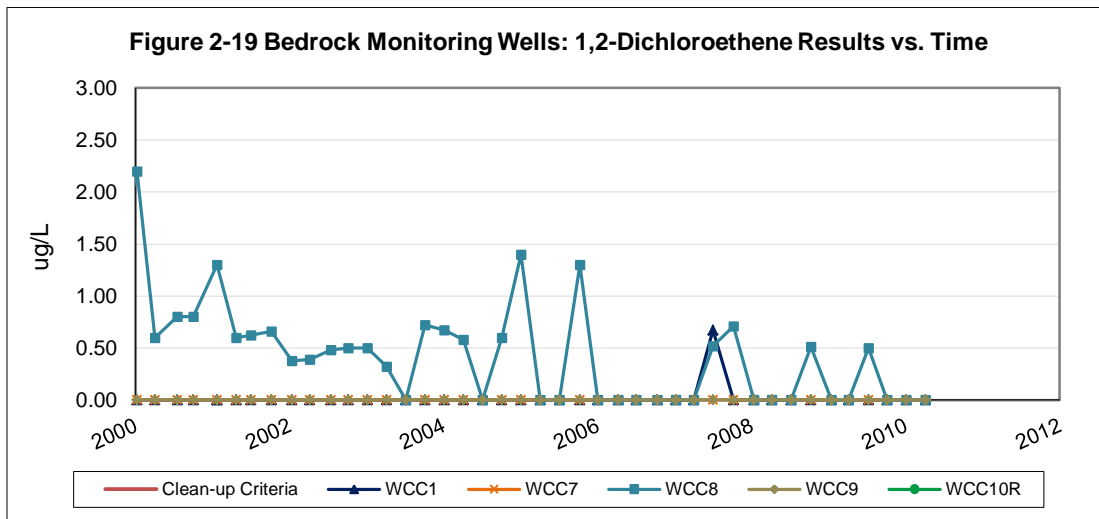


Alluvial Wells – Inorganics Concentration Graphs

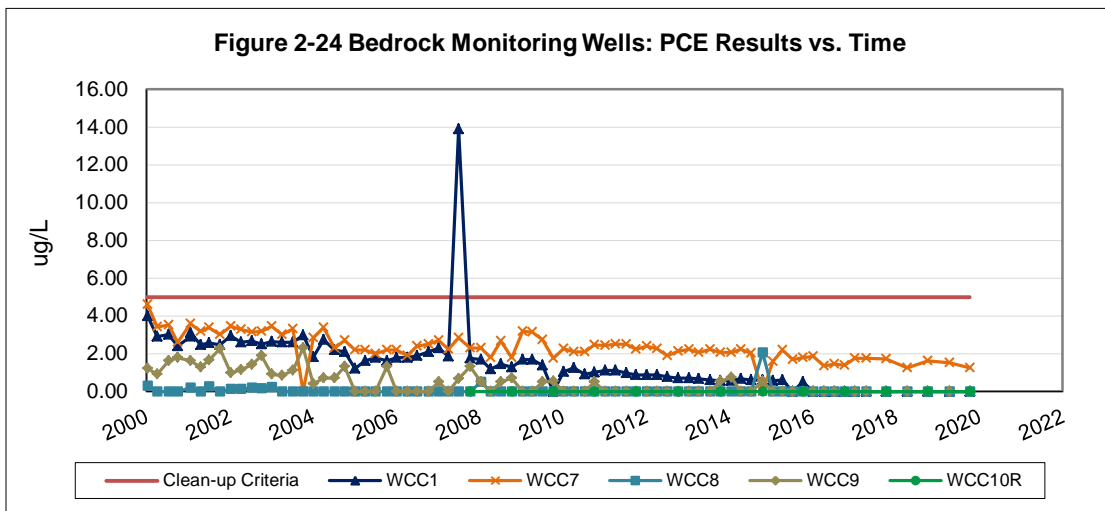
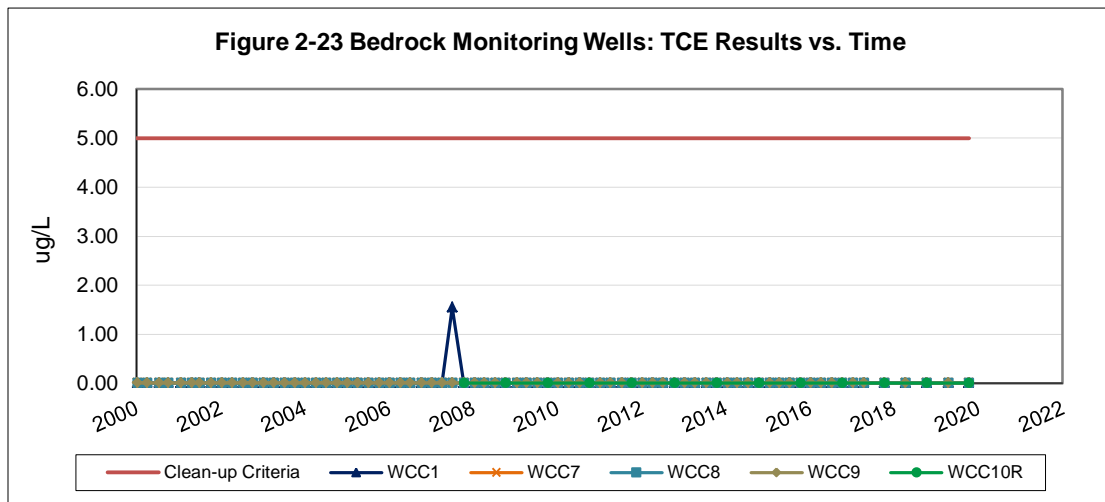
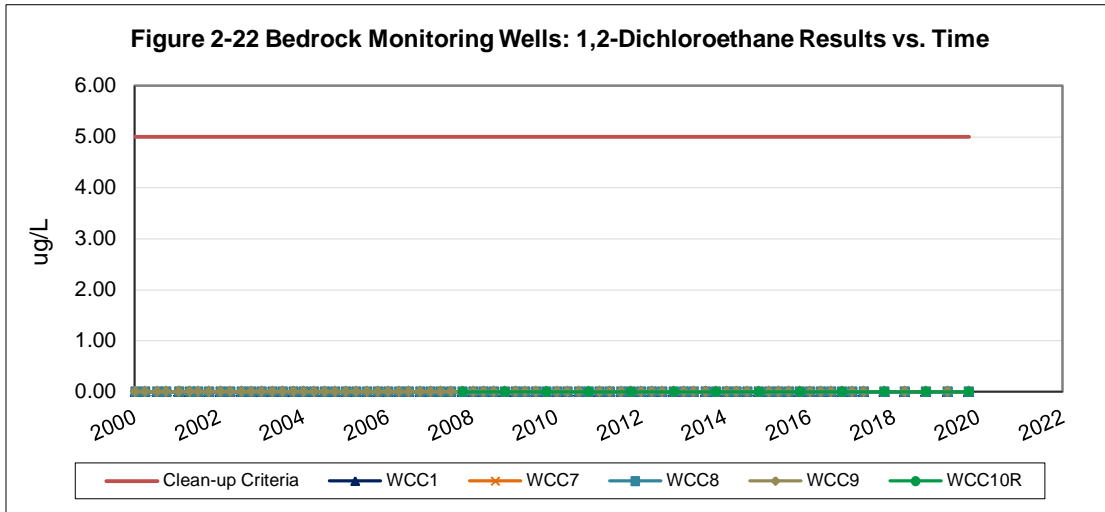


Bedrock Monitoring Wells: Concentration Time Series Graphs

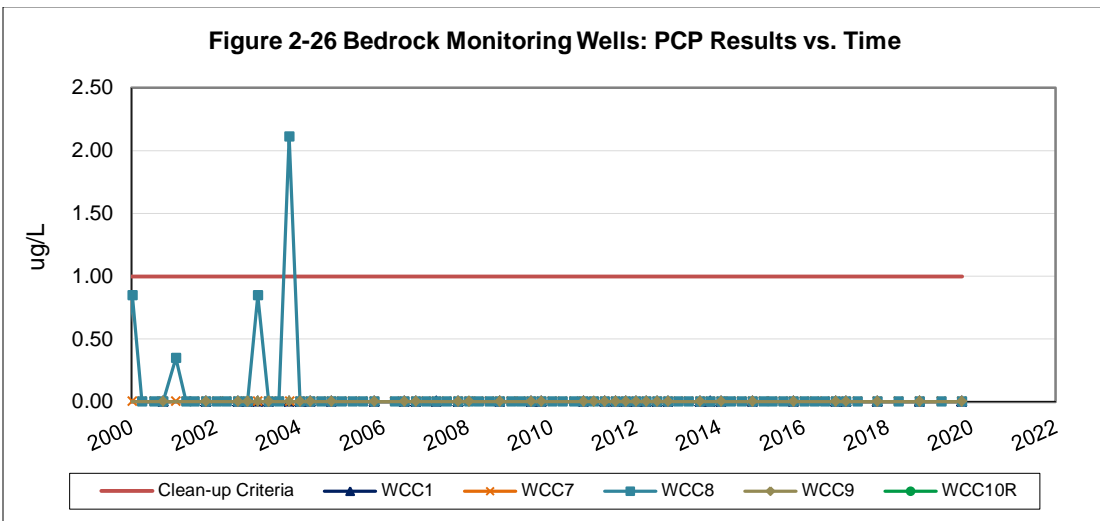
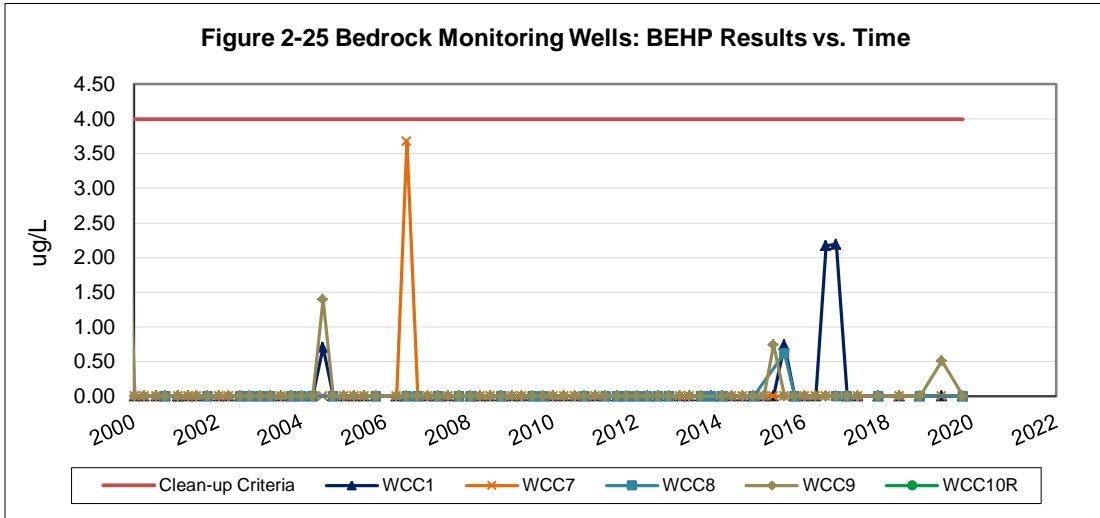
Figures 2-19 – 2-26: Bedrock Wells – VOCs/SVOCs Concentration Graphs



Bedrock Wells – VOCs/SVOCs Concentration Graphs

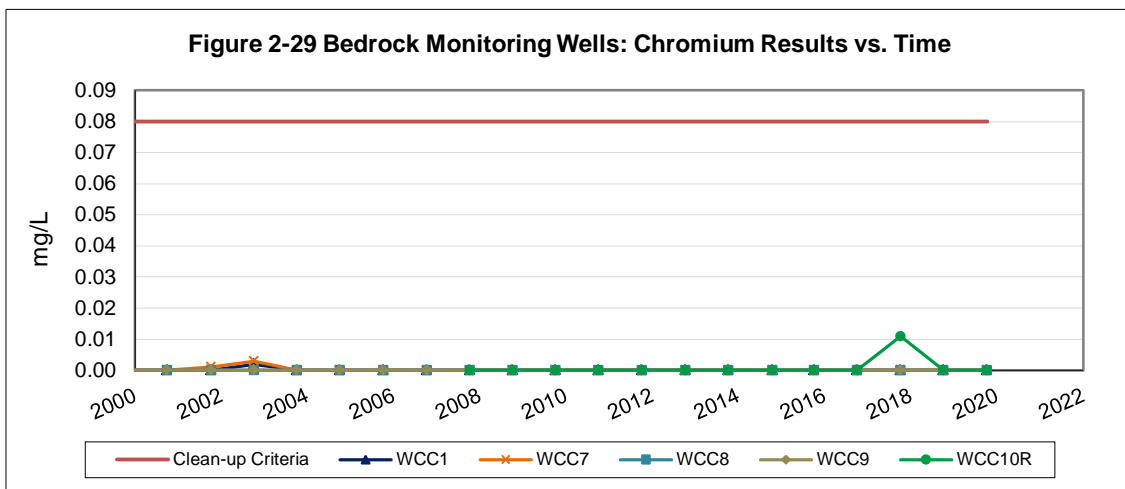
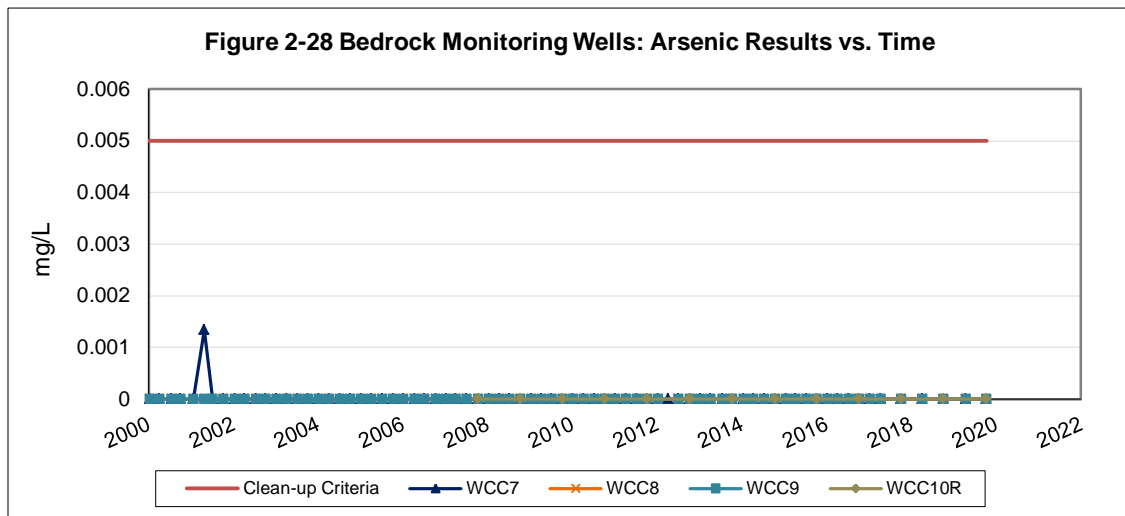
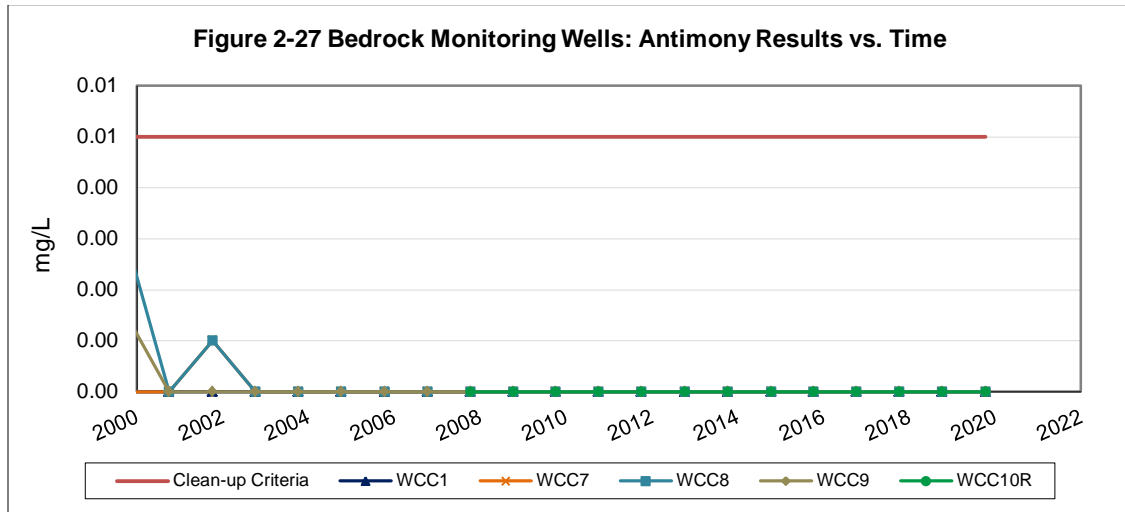


Bedrock Wells – VOCs/SVOCs Concentration Graphs

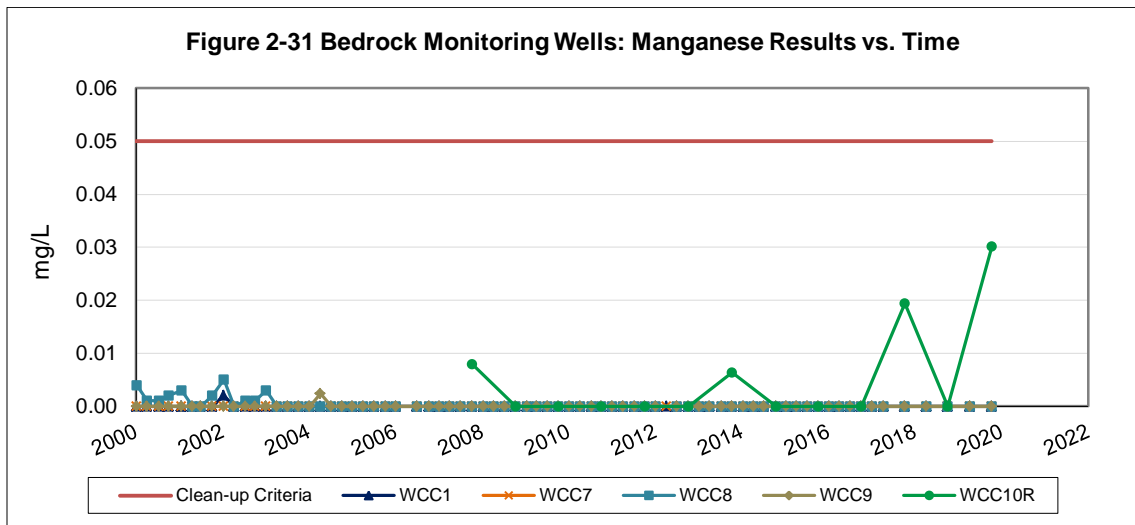
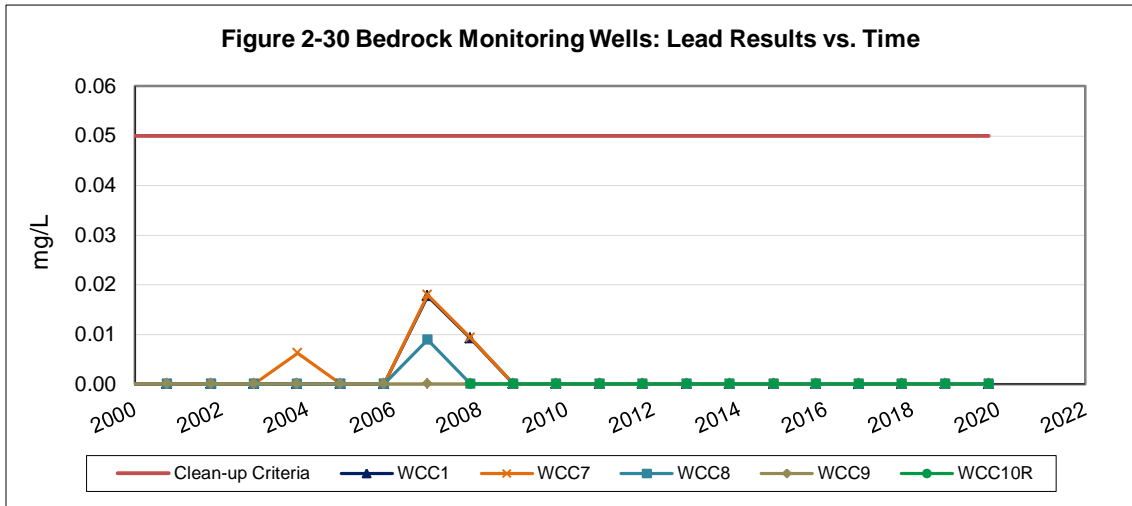


Bedrock Wells – Inorganics Concentration Graphs

Figures 2-27 – 2-31: Bedrock Wells – Inorganics Concentration Graphs



Bedrock Wells – Inorganics Concentration Graphs



3. GREENACRES LANDFILL GAS

Greenacres Landfill Gas Probe Locations

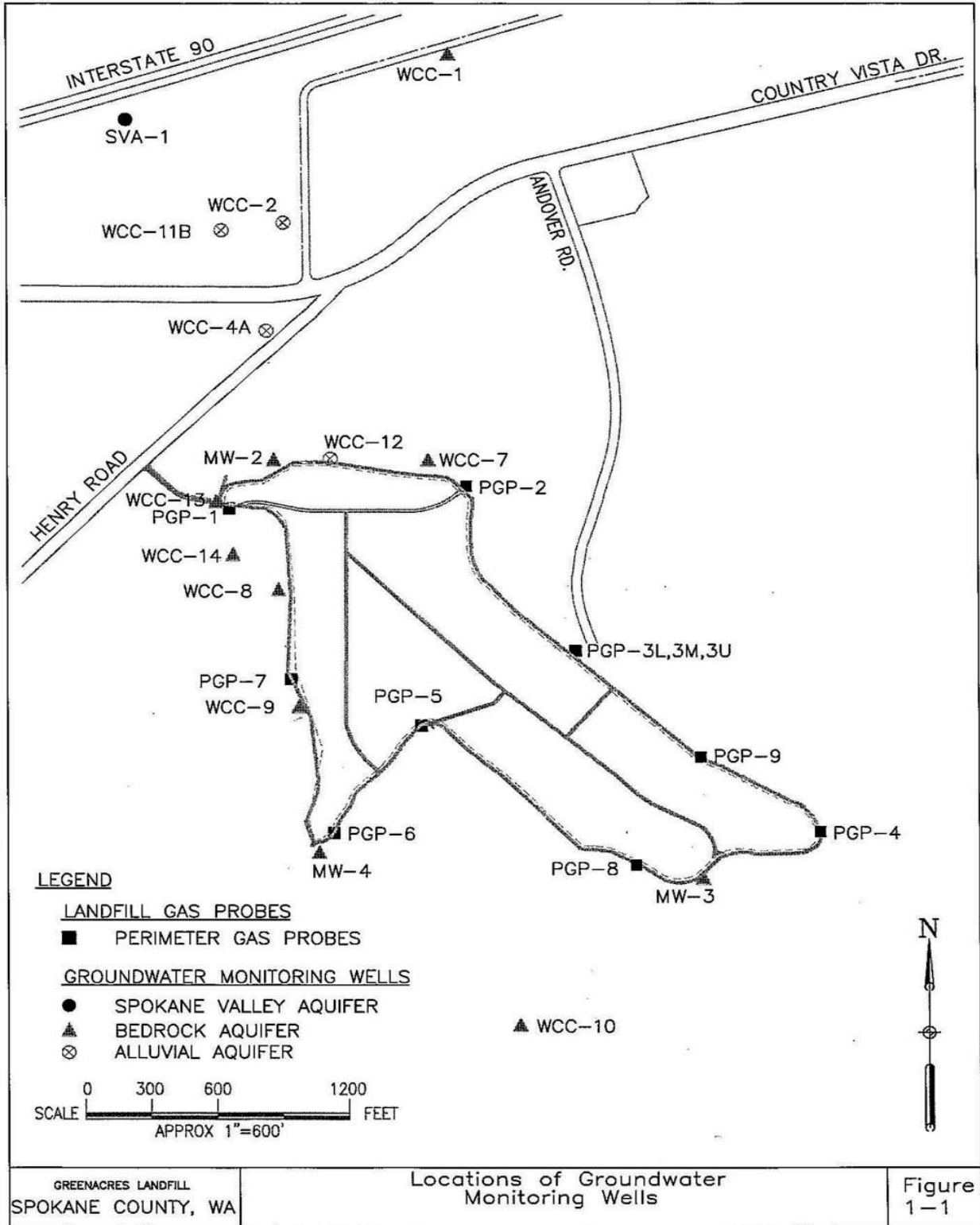


Figure 3-1: Greenacres Landfill Gas Probe Locations

Greenacres Landfill Gas Emission

Table 3-1: Greenacres Landfill Gas Emission Point Summary (Mft³)

Greenacres landfill Emission Point Summary: 2019	
Date	Flow (cfm)
Jan	46
Feb	46
Mar	46
Apr	45
May	47
Jun	41
Jul	43
Aug	48
Sep	45
Oct	51
Nov	54
Dec	53
Total	565
Average	<u>47.08</u>
$\underline{47.08} * 0.66 * 0.0872 = 2.71 * 525,600/10^6 = \mathbf{1.424 \text{ Mft}^3}$	

The Greenacres Landfill Gas Emissions summary from the Greenacres Landfill gas emission point is presented above in Table 3-1.

The Greenacres Landfill produced an estimated 1.42 million cubic feet of landfill gas in 2019.

Greenacres Landfill Perimeter Gas Probes

Table 3-2: Greenacres Landfill Perimeter Gas Probe Summary

Greenacres landfill Probe Summary - 2019									
	CH4			CO2			O2		
Probe ID	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
GAPGP001	0.00	0.00	0.00	1.52	0.20	5.70	17.88	8.60	20.70
GAPGP004	0.00	0.00	0.00	0.65	0.60	0.90	20.33	19.90	20.50
GAPGP005	0.00	0.00	0.00	1.44	0.50	2.00	18.38	15.20	20.50
GAPGP006	0.00	0.00	0.00	0.61	0.00	1.30	20.29	19.50	20.90
GAPGP007	0.00	0.00	0.00	0.66	0.40	1.10	20.24	19.70	20.70
GAPGP009	0.00	0.00	0.00	0.31	0.20	0.70	20.55	19.60	20.80
GAPGP02L	0.00	0.00	0.00	4.28	3.10	5.80	13.60	11.30	16.30
GAPGP02M	0.00	0.00	0.00	0.87	0.70	1.10	19.63	19.20	20.10
GAPGP02U	0.00	0.00	0.00	0.63	0.10	1.20	20.28	19.80	20.80
GAPGP03L	0.00	0.00	0.00	0.86	0.70	1.00	18.21	14.70	19.70
GAPGP03M	0.00	0.00	0.00	0.53	0.20	0.60	20.16	19.80	20.40
GAPGP03U	0.00	0.00	0.00	0.33	0.00	0.50	20.46	20.20	20.80
GAPGP08L	0.00	0.00	0.00	0.33	0.00	0.70	20.32	19.50	20.80
GAPGP08U	0.00	0.00	0.00	0.73	0.30	1.70	20.15	19.20	20.70

APPENDIX A: Groundwater Sampling Field Sheets

**GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2019**

DATE: 11 / 05 / 2019	WELL ID: SVA-1	FIELD TEAM: (MT), GF, KM
SAMPLE ID: W-SVA1-191105	QA / QC SAMPLE ID: -	
FIELD CONDITIONS: SLI CLOUDY LOW 30'S		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 0820	QA / QC SAMPLE TIME: -
SAMPLE TIME: 0910	END TIME: 0917

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	223464	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	24B	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR			

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 5 GAL
TOTAL DEPTH OF WELL (FT): 127.00'	3 CASING VOLUME (GAL): 15 GAL
INITIAL DEPTH TO WATER (SWL): 98.61'	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT): 28.39'	PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
CALCULATION: 28.39 x 0.17 = 4.83 = 5 GAL	
(COW)	(GAL)

FIELD PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
5GAL / 0835	11.1	7.71	279	CLEAR
10GAL / 0851	11.0	7.75	283	CLEAR
15GAL / 0907	11.0	7.75	284	CLEAR
/				
			TURBIDITY: 0.52	NTU (meas in field lab)

COMMENTS:

**GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2019**

DATE: 11 / 05 / 2019	WELL ID: WCC-1	FIELD TEAM: MT GF, KM
SAMPLE ID: W-WCC1-191105	QA / QC SAMPLE ID: -	
FIELD CONDITIONS: SLI-CLOUDY MID-30'S		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 0930	QA / QC SAMPLE TIME: -
SAMPLE TIME: 1010	END TIME: 1017

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	223464	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	24B	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR			

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 5 GAL
TOTAL DEPTH OF WELL (FT): 124.00'	3 CASING VOLUME (GAL): 15 GAL
INITIAL DEPTH TO WATER (SWL): 97.06'	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT): 26.94'	PACKER INFORMATION:
CALCULATION: 2694 x 0.17 = 458.5 GAL	COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
(COW) (GAL)	

FIELD PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
5GAL / 0941	11.7	7.75	501	CLEAR
10GAL / 0955	11.5	7.76	505	CLEAR
15GAL / 1007	11.4	7.76	504	CLEAR
/				
			TURBIDITY: 0.26	NTU (meas in field lab)

COMMENTS:

**GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2019**

DATE: 11 / 05 / 2019	WELL ID: WCC-2	FIELD TEAM: (MT) GF, KM
SAMPLE ID: W-WCC2-191105	QA / QC SAMPLE ID: WS-1-1-191105	
FIELD CONDITIONS: SLI-CLOUDY Low 40S		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1100	QA / QC SAMPLE TIME: 1200
SAMPLE TIME: 1140	END TIME: 1157

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	223464	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	24B	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR			

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 4 GAL
TOTAL DEPTH OF WELL (FT): 123.00'	3 CASING VOLUME (GAL): 12 GAL
INITIAL DEPTH TO WATER (SWL): 102.44'	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT): 20.56'	PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
CALCULATION: 20.56 x 0.17 = 3.50 = 4 GAL	
(COW) (GAL)	

FIELD PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
4 GAL / 1112	10.7	7.29	449	CLEAR
8 GAL / 1125	10.5	7.31	454	CLEAR
12 GAL / 1139	10.5	7.31	455	CLEAR
1				
			TURBIDITY: 0.41	NTU (meas in field lab)

COMMENTS:

- DUPE TAKEN HERE -

**GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2019**

DATE: 11 / 05 / 2019	WELL ID: WCC-4a	FIELD TEAM: MT, GF, KM
SAMPLE ID: W-WCC4A-191105	QA / QC SAMPLE ID: —	
FIELD CONDITIONS: Partly Cloudy 45°F		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1020	QA / QC SAMPLE TIME: —
SAMPLE TIME: 1053	END TIME: 1055

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	346697	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	4GA	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR			

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 6.5
TOTAL DEPTH OF WELL (FT): 138.00	3 CASING VOLUME (GAL): 19.5
INITIAL DEPTH TO WATER (SWL): 100.80	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT): 37.2	PACKER INFORMATION:
CALCULATION: 37.2 x 0.17 = 6.32 = 6.5 gallon	COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
(COW) (GAL)	

FIELD PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
6.5 / 1030	10.1	6.80	751	Clear
13 / 1040	9.9	6.79	749	Clear
19.5 / 1050	9.8	6.77	746	Clear
/				
			TURBIDITY: 0.23	NTU (meas in field lab)

COMMENTS:

*** Air Stagnation Advisory !!**

**GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2019**

DATE: 11 / 05 / 2019	WELL ID: WCC-7	FIELD TEAM: MT, GE, KM
SAMPLE ID: W-WCC7-191105	QA / QC SAMPLE ID: —	
FIELD CONDITIONS: Partly Cloudy 38°F		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 0925	QA / QC SAMPLE TIME:
SAMPLE TIME: 0949	END TIME: 0951

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	346697	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	46A	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR			

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 3
TOTAL DEPTH OF WELL (FT): 86.00	3 CASING VOLUME (GAL): 9
INITIAL DEPTH TO WATER (SWL): 70.90	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT): 15.1	PACKER INFORMATION:
CALCULATION: 15.1 x 0.17 = 2.56 = 3 Gallons	COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
(COW)	(GAL)

FIELD PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
3 / 0932	11.8	7.41	820	Clear
6 / 0939	11.4	7.39	820	Clear
9 / 0946	11.3	7.37	818	Clear
1				
			TURBIDITY: 0.15	NTU (meas in field lab)

COMMENTS:

**GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2019**

DATE: 11 / 05 / 2019	WELL ID: WCC-8	FIELD TEAM: MT, GF, KM
SAMPLE ID: W-WCC8-191105	QA / QC SAMPLE ID: ---	
FIELD CONDITIONS: Partly Cloudy 30°F		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 0800	QA / QC SAMPLE TIME: ---
SAMPLE TIME: 0907	END TIME: 0910

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	346697	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	467A	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR			

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 10
TOTAL DEPTH OF WELL (FT): 111.00'	3 CASING VOLUME (GAL): 30
INITIAL DEPTH TO WATER (SWL): 52.20	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT): 58.80	PACKER INFORMATION:
CALCULATION: 58.80 x 0.17 = 9.99 = 10 gallons	COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
(COW) (GAL)	

FIELD PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
10 / 0823	12.6	7.51	150	Clear
20 / 0845	11.6	7.50	153	Clear
30 / 0905	11.5	7.54	153	Clear
1				
			TURBIDITY: 0.52	NTU (meas in field lab)

COMMENTS:

**GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2019**

DATE: 11 / 05 / 2019	WELL ID: wcc9	FIELD TEAM: MT (GF, KM)
SAMPLE ID: w-wcc9-191105	QA / QC SAMPLE ID: NA	
FIELD CONDITIONS: mostly clear 41°		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1020	QA / QC SAMPLE TIME: NA
SAMPLE TIME: 1041	END TIME: 1048

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	370571	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	7810	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR	Slope Ind	23474	

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 3
TOTAL DEPTH OF WELL (FT): 45.0	3 CASING VOLUME (GAL): 9
INITIAL DEPTH TO WATER (SWL): 30.55	PURGE RATE: NA
PACKER DEPTH: NA	
COW ABOVE PACKER (FT): NA	PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
CALCULATION: 14.45 x 0.17 = 2.5 use 3.0 gal/val	
(COW) (GAL)	

FIELD PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
3 1 1027	11.4	6.47	139	Clear
6 1 1033	11.5	6.46	141	Clear
9 1 1039	11.5	6.48	142	Clear
1				
			TURBIDITY: 0.47	NTU (meas in field lab)

COMMENTS:

**GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2019**

DATE: 11 / 05 / 2019	WELL ID: WCC10R	FIELD TEAM: MT (G) KM
SAMPLE ID: W-WCC10R-191105	QA / QC SAMPLE ID: NA	
FIELD CONDITIONS: mstly clear, 42° 38°		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 0813	QA / QC SAMPLE TIME: NA
SAMPLE TIME: 0931	END TIME: 0938

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	370571	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	7810	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR	Slope Ind	23474	

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 5
TOTAL DEPTH OF WELL (FT): 41.40	3 CASING VOLUME (GAL): 15
INITIAL DEPTH TO WATER (SWL): 12.82	PURGE RATE: NA
PACKER DEPTH: NA	
COW ABOVE PACKER (FT): NA	PACKER INFORMATION:
CALCULATION: 28.50 X 0.17 = 4.9 use 5.0 gal/vo1	COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
(COW) (GAL)	

FIELD PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
5 / 0836	11.5	8.05	233	very turbid for several gal cleared as purged
10 / 0902	11.5	8.06	225	slit tan color
15 / 0930	11.6	7.98	231	clear
1				
			TURBIDITY: 6.95	NTU (meas in field lab)

COMMENTS: **Lots of home const going on in immediate vicinity**

**GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2019**

MS/MSD Here

DATE: 11 / 05 / 2019	WELL ID: WCC11B	FIELD TEAM: MT GP KM
SAMPLE ID: W-WCC11B-191105	QA / QC SAMPLE ID: NA	
FIELD CONDITIONS: mstly clear, 45°		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1138	QA / QC SAMPLE TIME: NA
SAMPLE TIME: 1259	END TIME: 1316

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	370571	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	7810	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR	<i>Slope Ind</i>	23474	

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 7.25
TOTAL DEPTH OF WELL (FT): 140.0'	3 CASING VOLUME (GAL): 21.75
INITIAL DEPTH TO WATER (SWL): 98.22'	PURGE RATE: NA
PACKER DEPTH: NA	
COW ABOVE PACKER (FT): NA	PACKER INFORMATION:
CALCULATION: 41.78 x 0.17 = 7.1 use 7.25 gal/vol	COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
(COW) (GAL)	

FIELD PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
7.25 / 1205	11.4	7.53	801	Clear
14.5 / 1230	11.4	7.54	788	Clear
21.75 / 1256	11.4	7.56	780	Clear
1				
			TURBIDITY: 0.12	NTU (meas in field lab)

COMMENTS:

**GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2019**

DATE: 11 / 05 / 2019	WELL ID: WCC-12	FIELD TEAM: MT, GF, KM
SAMPLE ID: W-WCC12-191105	QA / QC SAMPLE ID: _____	
FIELD CONDITIONS: Partly Cloudy 48°F		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1130	QA / QC SAMPLE TIME: _____
SAMPLE TIME: 1216	END TIME: 1220

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	346197	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	46A	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR			

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 2
TOTAL DEPTH OF WELL (FT): 106.00	3 CASING VOLUME (GAL): 6
INITIAL DEPTH TO WATER (SWL): 96.85	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT):	PACKER INFORMATION: COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)
CALCULATION: 9.15 x 0.17 = 1.55 = 2 gallons (COW) (GAL)	

FIELD PARAMETERS: (+/- 10%) (+/- .1) (+/- 10%)

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
2 / 1145	14.0	6.59	910	Clear
4 / 1158	13.9	6.57	912	Clear
6 / 1214	14.0	6.57	915	Clear
1				
			TURBIDITY: 1.11	NTU (meas in field lab)

COMMENTS:

APPENDIX B: Landfill Gas Probe Measurements

APPENDIX C: Laboratory Results



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
W-SVA1-191105	X9K0096-01	Water	05-Nov-19 09:10	MT,GF,K M	06-Nov-2019	
W-WCC1-191105	X9K0096-02	Water	05-Nov-19 10:10	MT,GF,K M	06-Nov-2019	
W-WCC2-191105	X9K0096-03	Water	05-Nov-19 11:40	MT,GF,K M	06-Nov-2019	
W-WCC4A-191105	X9K0096-04	Water	05-Nov-19 10:53	MT,GF,K M	06-Nov-2019	
W-WCC7-191105	X9K0096-05	Water	05-Nov-19 09:49	MT,GF,K M	06-Nov-2019	
W-WCC8-191105	X9K0096-06	Water	05-Nov-19 09:07	MT,GF,K M	06-Nov-2019	
W-WCC9-191105	X9K0096-07	Water	05-Nov-19 10:41	MT,GF,K M	06-Nov-2019	
W-WCC10R-191105	X9K0096-08	Water	05-Nov-19 09:31	MT,GF,K M	06-Nov-2019	
W-WCC11B-191105	X9K0096-09	Water	05-Nov-19 12:59	MT,GF,K M	06-Nov-2019	
W-WCC12-191105	X9K0096-10	Water	05-Nov-19 12:16	MT,GF,K M	06-Nov-2019	
WS-1-1-191105	X9K0096-11	Water	05-Nov-19 12:00	MT,GF,K M	06-Nov-2019	

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

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

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

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

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



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **W-SVA1-191105**

Sampled: 05-Nov-19 09:10

SVL Sample ID: **X9K0096-01 (Water)**

Received: 06-Nov-19

Sample Report Page 1 of 1

Sampled By: MT,GF,KM

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 13:08	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 13:08	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X946041	KH	11/13/19 13:08	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 12:22	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:22	

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

Herman J. Haring
Project Manager



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **W-WCC1-191105**
SVL Sample ID: **X9K0096-02 (Water)**

Sampled: 05-Nov-19 10:10
Received: 06-Nov-19
Sampled By: MT,GF,KM

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 13:12	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 13:12	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X946041	KH	11/13/19 13:12	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 12:24	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:24	

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

Herman J. Haring **Herman J. Haring**
Project Manager



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **W-WCC2-191105**
SVL Sample ID: **X9K0096-03 (Water)**

Sampled: 05-Nov-19 11:40
Received: 06-Nov-19
Sampled By: MT,GF,KM

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 13:16	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 13:16	
EPA 6010D	Manganese	0.0513	mg/L	0.0080	0.0034		X946041	KH	11/13/19 13:16	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 12:26	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:26	
Anions by Ion Chromatography										
EPA 300.0	Nitrate as N	1.22	mg/L	0.050	0.043		X945144	RS	11/07/19 00:51	

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

Herman J. Haring
Project Manager



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **W-WCC4A-191105**
SVL Sample ID: **X9K0096-04 (Water)**

Sampled: 05-Nov-19 10:53
Received: 06-Nov-19
Sampled By: MT,GF,KM

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 13:19	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 13:19	
EPA 6010D	Manganese	0.0229	mg/L	0.0080	0.0034		X946041	KH	11/13/19 13:19	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 12:28	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:28	

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

Herman J. Haring
Project Manager



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **W-WCC7-191105**
SVL Sample ID: **X9K0096-05 (Water)**

Sampled: 05-Nov-19 09:49
Received: 06-Nov-19
Sampled By: MT,GF,KM

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 13:23	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 13:23	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X946041	KH	11/13/19 13:23	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 12:30	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:30	

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

Herman J. Haring **Herman J. Haring**
Project Manager



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **W-WCC8-191105**
SVL Sample ID: **X9K0096-06 (Water)**

Sampled: 05-Nov-19 09:07
Received: 06-Nov-19
Sampled By: MT,GF,KM

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 13:27	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 13:27	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X946041	KH	11/13/19 13:27	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 12:32	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:32	
Anions by Ion Chromatography										
EPA 300.0	Nitrate as N	1.39	mg/L	0.050	0.043		X945144	RS	11/07/19 01:07	

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

Herman J. Haring
Project Manager



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **W-WCC9-191105**
SVL Sample ID: **X9K0096-07 (Water)**

Sampled: 05-Nov-19 10:41
Received: 06-Nov-19
Sampled By: MT,GF,KM

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 13:31	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 13:31	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X946041	KH	11/13/19 13:31	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 12:34	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:34	
Anions by Ion Chromatography										
EPA 300.0	Nitrate as N	2.84	mg/L	0.050	0.043		X945144	RS	11/07/19 01:23	

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

Herman J. Haring
Project Manager



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **W-WCC10R-191105**
SVL Sample ID: **X9K0096-08 (Water)**

Sampled: 05-Nov-19 09:31
Received: 06-Nov-19
Sampled By: MT,GF,KM

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 13:34	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 13:34	
EPA 6010D	Manganese	0.0301	mg/L	0.0080	0.0034		X946041	KH	11/13/19 13:34	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 12:36	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:36	
Anions by Ion Chromatography										
EPA 300.0	Nitrate as N	1.82	mg/L	0.050	0.043		X945144	RS	11/07/19 01:38	

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

Herman J. Haring
Project Manager



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **W-WCC11B-191105**
SVL Sample ID: **X9K0096-09 (Water)**

Sampled: 05-Nov-19 12:59
Received: 06-Nov-19
Sampled By: MT,GF,KM

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 13:47	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 13:47	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X946041	KH	11/13/19 13:47	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 13:44	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:44	

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

Herman J. Haring **Herman J. Haring**
Project Manager



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **W-WCC12-191105**
SVL Sample ID: **X9K0096-10 (Water)**

Sampled: 05-Nov-19 12:16
Received: 06-Nov-19
Sampled By: MT,GF,KM

Sample Report Page 1 of 1

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 13:57	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 13:57	
EPA 6010D	Manganese	1.62	mg/L	0.0080	0.0034		X946041	KH	11/13/19 13:57	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 13:51	
EPA 6020B	Arsenic	0.0358	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:50	

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

Herman J. Haring **Herman J. Haring**
Project Manager



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Client Sample ID: **WS-1-1-191105**

Sampled: 05-Nov-19 12:00

SVL Sample ID: **X9K0096-11 (Water)**

Received: 06-Nov-19

Sample Report Page 1 of 1

Sampled By: MT,GF,KM

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X946041	KH	11/13/19 14:01	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X946041	KH	11/13/19 14:01	
EPA 6010D	Manganese	0.0530	mg/L	0.0080	0.0034		X946041	KH	11/13/19 14:01	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00023		X945161	AS	11/25/19 13:54	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X945161	AS	11/25/19 12:53	
Anions by Ion Chromatography										
EPA 300.0	Nitrate as N	1.42	mg/L	0.050	0.043		X945144	RS	11/07/19 01:54	

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

Herman J. Haring
Project Manager



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

Work Order: **X9K0096**
 Reported: 26-Nov-19 17:46

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Dissolved)								
EPA 6010D	Chromium	mg/L	<0.0060	0.0020	0.0060	X946041	13-Nov-19	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X946041	13-Nov-19	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X946041	13-Nov-19	
EPA 6020B	Antimony	mg/L	<0.00300	0.00023	0.00300	X945161	25-Nov-19	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X945161	25-Nov-19	
Anions by Ion Chromatography								
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X945144	06-Nov-19	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Dissolved)									
EPA 6010D	Chromium	mg/L	0.980	1.00	98.0	80 - 120	X946041	13-Nov-19	
EPA 6010D	Lead	mg/L	0.959	1.00	95.9	80 - 120	X946041	13-Nov-19	
EPA 6010D	Manganese	mg/L	0.947	1.00	94.7	80 - 120	X946041	13-Nov-19	
EPA 6020B	Antimony	mg/L	0.0237	0.0250	94.9	80 - 120	X945161	25-Nov-19	
EPA 6020B	Arsenic	mg/L	0.0239	0.0250	95.6	80 - 120	X945161	25-Nov-19	
Anions by Ion Chromatography									
EPA 300.0	Nitrate as N	mg/L	2.09	2.00	105	90 - 110	X945144	06-Nov-19	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Recovery	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	mg/L	1.03	<0.0060	1.00	103	75 - 125	X946041	13-Nov-19	
EPA 6010D	Lead	mg/L	0.998	<0.0150	1.00	99.8	75 - 125	X946041	13-Nov-19	
EPA 6010D	Manganese	mg/L	0.974	<0.0080	1.00	97.4	75 - 125	X946041	13-Nov-19	
EPA 6020B	Antimony	mg/L	0.0218	<0.00300	0.0250	87.2	75 - 125	X945161	25-Nov-19	
EPA 6020B	Arsenic	mg/L	0.0275	<0.00300	0.0250	110	75 - 125	X945161	25-Nov-19	
Anions by Ion Chromatography										
EPA 300.0	Nitrate as N	mg/L	2.24	0.110	2.00	106	90 - 110	X945144	06-Nov-19	
EPA 300.0	Nitrate as N	mg/L	2.36	0.179	2.00	109	90 - 110	X945144	06-Nov-19	



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

Work Order: **X9K0096**
Reported: 26-Nov-19 17:46

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	% Rec.	RPD	RPD Limit	Batch ID	Analyzed	Notes
Metals (Dissolved)											
EPA 6010D	Chromium	mg/L	1.06	1.03	1.00	105	2.0	20	X946041	13-Nov-19	
EPA 6010D	Lead	mg/L	1.02	0.998	1.00	102	2.4	20	X946041	13-Nov-19	
EPA 6010D	Manganese	mg/L	0.985	0.974	1.00	98.5	1.1	20	X946041	13-Nov-19	
EPA 6020B	Antimony	mg/L	0.0225	0.0218	0.0250	89.9	3.0	20	X945161	25-Nov-19	
EPA 6020B	Arsenic	mg/L	0.0280	0.0275	0.0250	112	1.6	20	X945161	25-Nov-19	
Anions by Ion Chromatography											
EPA 300.0	Nitrate as N	mg/L	2.25	2.24	2.00	107	0.8	20	X945144	06-Nov-19	

Notes and Definitions

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

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number	191108014-001	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-SVA1-191105	Sampling Time	9:10 AM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-01		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/15/2019 2:37:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 2:37:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-001			
Surrogate Standard	Method	Percent Recovery	Control Limits	
2,4,6-Tribromophenol	EPA 8270D	88.4	43-120	
2-Fluorobiphenyl	EPA 8270D	102.0	55-127	
2-Fluorophenol	EPA 8270D	75.2	41-119	
Nitrobenzene-d5	EPA 8270D	85.2	55-120	
Phenol-d5	EPA 8270D	85.4	52-115	
Terphenyl-d14	EPA 8270D	79.2	22-135	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number	191108014-002	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC1-191105	Sampling Time	10:10 AM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-02		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/15/2019 3:05:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 3:05:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-002		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	83.2	43-120
2-Fluorobiphenyl	EPA 8270D	96.8	55-127
2-Fluorophenol	EPA 8270D	71.2	41-119
Nitrobenzene-d5	EPA 8270D	81.2	55-120
Phenol-d5	EPA 8270D	80.6	52-115
Terphenyl-d14	EPA 8270D	77.2	22-135

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number	191108014-003	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC2-191105	Sampling Time	11:40 AM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-03		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/15/2019 3:32:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 3:32:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-003		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	86.0	43-120
2-Fluorobiphenyl	EPA 8270D	99.6	55-127
2-Fluorophenol	EPA 8270D	70.0	41-119
Nitrobenzene-d5	EPA 8270D	83.2	55-120
Phenol-d5	EPA 8270D	75.8	52-115
Terphenyl-d14	EPA 8270D	72.4	22-135

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number	191108014-004	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC4A-191105	Sampling Time	10:53 AM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-04		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/15/2019 4:00:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 4:00:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-004		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	84.0	43-120
2-Fluorobiphenyl	EPA 8270D	94.0	55-127
2-Fluorophenol	EPA 8270D	67.0	41-119
Nitrobenzene-d5	EPA 8270D	76.8	55-120
Phenol-d5	EPA 8270D	73.8	52-115
Terphenyl-d14	EPA 8270D	73.2	22-135

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number	191108014-005	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC7-191105	Sampling Time	9:49 AM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-05		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/15/2019 4:27:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 4:27:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-005		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	102.6	43-120
2-Fluorobiphenyl	EPA 8270D	118.4	55-127
2-Fluorophenol	EPA 8270D	85.8	41-119
Nitrobenzene-d5	EPA 8270D	99.2	55-120
Phenol-d5	EPA 8270D	95.4	52-115
Terphenyl-d14	EPA 8270D	90.4	22-135

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number	191108014-006	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC8-191105	Sampling Time	9:07 AM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-06		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/15/2019 4:55:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 4:55:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-006		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	87.4	43-120
2-Fluorobiphenyl	EPA 8270D	100.0	55-127
2-Fluorophenol	EPA 8270D	71.6	41-119
Nitrobenzene-d5	EPA 8270D	82.4	55-120
Phenol-d5	EPA 8270D	79.8	52-115
Terphenyl-d14	EPA 8270D	78.0	22-135

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
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Analytical Results Report

Sample Number	191108014-007	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC9-191105	Sampling Time	10:41 AM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-07		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/15/2019 5:23:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 5:23:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-007		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	91.6	43-120
2-Fluorobiphenyl	EPA 8270D	104.0	55-127
2-Fluorophenol	EPA 8270D	75.0	41-119
Nitrobenzene-d5	EPA 8270D	84.8	55-120
Phenol-d5	EPA 8270D	81.8	52-115
Terphenyl-d14	EPA 8270D	77.6	22-135

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number	191108014-008	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC10R-191105	Sampling Time	9:31 AM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-08		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/15/2019 5:50:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 5:50:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-008			
Surrogate Standard	Method	Percent Recovery	Control Limits	
2,4,6-Tribromophenol	EPA 8270D	92.4	43-120	
2-Fluorobiphenyl	EPA 8270D	102.4	55-127	
2-Fluorophenol	EPA 8270D	73.8	41-119	
Nitrobenzene-d5	EPA 8270D	86.0	55-120	
Phenol-d5	EPA 8270D	84.0	52-115	
Terphenyl-d14	EPA 8270D	77.6	22-135	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number	191108014-009	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC11B-191105	Sampling Time	12:59 PM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-09		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/15/2019 6:18:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 6:18:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-009		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	89.2	43-120
2-Fluorobiphenyl	EPA 8270D	100.4	55-127
2-Fluorophenol	EPA 8270D	73.0	41-119
Nitrobenzene-d5	EPA 8270D	81.6	55-120
Phenol-d5	EPA 8270D	84.8	52-115
Terphenyl-d14	EPA 8270D	80.4	22-135

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number	191108014-009A	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC11B-191105A	Sampling Time	12:59 PM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-9A		
Comments	Sample Matrix Spike				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	6.03	ug/L	0.5	11/15/2019 1:15:00 PM	TGT	EPA 8270D	
Pentachlorophenol	4.34	ug/L	0.5	11/15/2019 1:15:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-009A		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	93.2	43-120
2-Fluorobiphenyl	EPA 8270D	110.8	55-127
2-Fluorophenol	EPA 8270D	83.4	41-119
Nitrobenzene-d5	EPA 8270D	92.4	55-120
Phenol-d5	EPA 8270D	93.0	52-115
Terphenyl-d14	EPA 8270D	74.8	22-135

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number	191108014-009B	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC11B-191105B	Sampling Time	12:59 PM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-9B		
Comments	Sample Matrix Spike Duplicate				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	6.26	ug/L	0.5	11/15/2019 1:42:00 PM	TGT	EPA 8270D	
Pentachlorophenol	4.09	ug/L	0.5	11/15/2019 1:42:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-009B		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	96.0	43-120
2-Fluorobiphenyl	EPA 8270D	109.6	55-127
2-Fluorophenol	EPA 8270D	82.2	41-119
Nitrobenzene-d5	EPA 8270D	89.2	55-120
Phenol-d5	EPA 8270D	94.6	52-115
Terphenyl-d14	EPA 8270D	77.6	22-135

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number	191108014-010	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	W-WCC12-1911105	Sampling Time	12:15 PM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-10		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	2.5	ug/L	0.5	11/15/2019 6:45:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 6:45:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-010			
Surrogate Standard	Method	Percent Recovery	Control Limits	
2,4,6-Tribromophenol	EPA 8270D	94.6	43-120	
2-Fluorobiphenyl	EPA 8270D	96.4	55-127	
2-Fluorophenol	EPA 8270D	71.4	41-119	
Nitrobenzene-d5	EPA 8270D	79.6	55-120	
Phenol-d5	EPA 8270D	79.2	52-115	
Terphenyl-d14	EPA 8270D	70.8	22-135	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

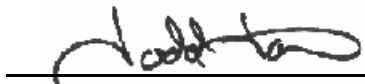
Sample Number	191108014-011	Sampling Date	11/5/2019	Date/Time Received	11/6/2019 10:44 AM
Client Sample ID	WS-1-1-191105	Sampling Time	12:00 PM	Extraction Date	11/11/2019
Matrix	Water	Sample Location	X9K0119-11		
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/15/2019 7:12:00 PM	TGT	EPA 8270D	
Pentachlorophenol	ND	ug/L	0.5	11/15/2019 7:12:00 PM	TGT	EPA 8270D	

Surrogate Data

Sample Number	191108014-011		
Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270D	86.6	43-120
2-Fluorobiphenyl	EPA 8270D	88.8	55-127
2-Fluorophenol	EPA 8270D	67.4	41-119
Nitrobenzene-d5	EPA 8270D	75.6	55-120
Phenol-d5	EPA 8270D	75.2	52-115
Terphenyl-d14	EPA 8270D	70.0	22-135

Authorized Signature



Todd Taruscio, Lab Manager

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

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

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COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Pentachlorophenol	4.15	ug/L	5	83.0	22-138	11/11/2019	11/15/2019
bis(2-Ethylhexyl)phthalate	5.83	ug/L	5	116.6	51-149	11/11/2019	11/15/2019

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
191108014-009	Pentachlorophenol	ND	4.34	ug/L	5	86.8	22-138	11/11/2019	11/15/2019
191108014-009	bis(2-Ethylhexyl)phthalate	ND	6.03	ug/L	5	120.6	51-149	11/11/2019	11/15/2019

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Pentachlorophenol	4.09	ug/L	5	81.8	5.9	0-39	11/11/2019	11/15/2019
bis(2-Ethylhexyl)phthalate	6.26	ug/L	5	125.2	3.7	0-27	11/11/2019	11/15/2019

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	11/11/2019	11/15/2019
Pentachlorophenol	ND	ug/L	0.5	11/11/2019	11/15/2019

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-001 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-SVA1-191105 **Sampling Time** 9:10 AM
Matrix Water **Sample Location** X9K0119-01

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-001 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-SVA1-191105 **Sampling Time** 9:10 AM
Matrix Water **Sample Location** X9K0119-01

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Bromochloromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-001 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-SVA1-191105 **Sampling Time** 9:10 AM
Matrix Water **Sample Location** X9K0119-01
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number	Surrogate Standard	Method	Percent Recovery	Control Limits
191108014-001	1,2-Dichlorobenzene-d4	EPA 8260C	105.2	70-130
	4-Bromofluorobenzene	EPA 8260C	93.6	70-130
	Toluene-d8	EPA 8260C	98.0	70-130

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-002 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC1-191105 **Sampling Time** 10:10 AM
Matrix Water **Sample Location** X9K0119-02

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-002 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC1-191105 **Sampling Time** 10:10 AM
Matrix Water **Sample Location** X9K0119-02

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-002 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC1-191105 **Sampling Time** 10:10 AM
Matrix Water **Sample Location** X9K0119-02
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	11/13/2019 5:46:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-002

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	106.4	70-130
4-Bromofluorobenzene	EPA 8260C	94.8	70-130
Toluene-d8	EPA 8260C	99.6	70-130

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COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-003 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC2-191105 **Sampling Time** 11:40 AM
Matrix Water **Sample Location** X9K0119-03
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	

Anatek Labs, Inc.

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

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-003 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC2-191105 **Sampling Time** 11:40 AM
Matrix Water **Sample Location** X9K0119-03

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-003 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC2-191105 **Sampling Time** 11:40 AM
Matrix Water **Sample Location** X9K0119-03
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	11/13/2019 5:17:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-003

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	106.8	70-130
4-Bromofluorobenzene	EPA 8260C	95.2	70-130
Toluene-d8	EPA 8260C	103.6	70-130

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-004 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC4A-191105 **Sampling Time** 10:53 AM
Matrix Water **Sample Location** X9K0119-04

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-004 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC4A-191105 **Sampling Time** 10:53 AM
Matrix Water **Sample Location** X9K0119-04

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	3.23	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	0.55	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	

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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 **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-004 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC4A-191105 **Sampling Time** 10:53 AM
Matrix Water **Sample Location** X9K0119-04
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Tetrachloroethene	1.34	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	
Vinyl Chloride	0.77	ug/L	0.5	11/13/2019 4:47:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-004

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	104.8	70-130
4-Bromofluorobenzene	EPA 8260C	95.2	70-130
Toluene-d8	EPA 8260C	102.8	70-130

Anatek Labs, Inc.

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

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-005 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC7-191105 **Sampling Time** 9:49 AM
Matrix Water **Sample Location** X9K0119-05
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-005 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC7-191105 **Sampling Time** 9:49 AM
Matrix Water **Sample Location** X9K0119-05

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-005 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC7-191105 **Sampling Time** 9:49 AM
Matrix Water **Sample Location** X9K0119-05
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Tetrachloroethene	1.23	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	11/13/2019 4:18:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-005

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	104.8	70-130
4-Bromofluorobenzene	EPA 8260C	95.2	70-130
Toluene-d8	EPA 8260C	98.0	70-130

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-006 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC8-191105 **Sampling Time** 9:07 AM
Matrix Water **Sample Location** X9K0119-06

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-006 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC8-191105 **Sampling Time** 9:07 AM
Matrix Water **Sample Location** X9K0119-06

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	

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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 **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-006 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC8-191105 **Sampling Time** 9:07 AM
Matrix Water **Sample Location** X9K0119-06
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	11/13/2019 3:48:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-006

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	105.2	70-130
4-Bromofluorobenzene	EPA 8260C	93.2	70-130
Toluene-d8	EPA 8260C	118.4	70-130

Anatek Labs, Inc.

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-007 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC9-191105 **Sampling Time** 10:41 AM
Matrix Water **Sample Location** X9K0119-07

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-007 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC9-191105 **Sampling Time** 10:41 AM
Matrix Water **Sample Location** X9K0119-07

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-007 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC9-191105 **Sampling Time** 10:41 AM
Matrix Water **Sample Location** X9K0119-07
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	11/13/2019 3:19:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-007

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	105.2	70-130
4-Bromofluorobenzene	EPA 8260C	94.8	70-130
Toluene-d8	EPA 8260C	97.6	70-130

Anatek Labs, Inc.

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-008 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC10R-191105 **Sampling Time** 9:31 AM
Matrix Water **Sample Location** X9K0119-08

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-008 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC10R-191105 **Sampling Time** 9:31 AM
Matrix Water **Sample Location** X9K0119-08

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-008 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC10R-191105 **Sampling Time** 9:31 AM
Matrix Water **Sample Location** X9K0119-08
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	11/13/2019 2:49:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-008

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	104.4	70-130
4-Bromofluorobenzene	EPA 8260C	96.4	70-130
Toluene-d8	EPA 8260C	103.2	70-130

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-009 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC11B-191105 **Sampling Time** 12:59 PM
Matrix Water **Sample Location** X9K0119-09

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-009 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC11B-191105 **Sampling Time** 12:59 PM
Matrix Water **Sample Location** X9K0119-09

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	1.36	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-009 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC11B-191105 **Sampling Time** 12:59 PM
Matrix Water **Sample Location** X9K0119-09
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Tetrachloroethene	7.54	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Trichloroethene	0.95	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	11/13/2019 2:20:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-009

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	105.2	70-130
4-Bromofluorobenzene	EPA 8260C	95.6	70-130
Toluene-d8	EPA 8260C	98.0	70-130

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-009A **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC11B-191105A **Sampling Time** 12:59 PM
Matrix Water **Sample Location** X9K0119-9A
Comments Sample Matrix Spike

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	9.96	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,1,1-Trichloroethane	10.3	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	10.0	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,1,2-Trichloroethane	11.0	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,1-Dichloroethane	9.83	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,1-Dichloroethene	9.88	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,1-dichloropropene	11.3	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	9.55	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,2,3-Trichloropropane	9.87	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	9.64	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	10.6	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	8.92	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,2-Dibromoethane	11.4	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,2-Dichlorobenzene	9.72	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,2-Dichloroethane	10.0	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,2-Dichloropropane	10.4	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	10.8	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,3-Dichlorobenzene	9.98	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,3-Dichloropropane	11.8	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
1,4-Dichlorobenzene	9.86	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
2,2-Dichloropropane	10.7	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
2-Chlorotoluene	11.0	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
2-hexanone	10.0	ug/L	2.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
4-Chlorotoluene	11.0	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Acetone	8.13	ug/L	2.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Acrylonitrile	8.93	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Benzene	10.1	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Bromobenzene	10.5	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-009A **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC11B-191105A **Sampling Time** 12:59 PM
Matrix Water **Sample Location** X9K0119-9A
Comments Sample Matrix Spike

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	9.51	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Bromodichloromethane	9.94	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Bromoform	11.3	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Bromomethane	9.47	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Carbon disulfide	11.2	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Carbon Tetrachloride	10.7	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Chlorobenzene	9.76	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Chloroethane	9.94	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Chloroform	10.6	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Chloromethane	9.11	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
cis-1,2-dichloroethene	10.1	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	10.5	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Dibromochloromethane	11.5	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Dibromomethane	9.52	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Dichlorodifluoromethane	11.1	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Ethylbenzene	11.0	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Hexachlorobutadiene	10.5	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Isopropylbenzene	11.7	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
m+p-Xylene	23.0	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	10.6	ug/L	2.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	8.37	ug/L	2.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Methylene chloride	9.43	ug/L	2.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	11.5	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Naphthalene	10.6	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
n-Butylbenzene	10.5	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
n-Propylbenzene	11.4	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
o-Xylene	11.3	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
p-isopropyltoluene	11.1	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-009A **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC11B-191105A **Sampling Time** 12:59 PM
Matrix Water **Sample Location** X9K0119-9A
Comments Sample Matrix Spike

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	11.3	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Styrene	11.3	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
tert-Butylbenzene	11.5	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Tetrachloroethene	18.5	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Toluene	9.16	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	10.0	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	11.2	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Trichloroethene	11.5	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Trichlorofluoromethane	10.9	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	
Vinyl Chloride	9.62	ug/L	0.5	11/13/2019 11:22:00 AM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-009A

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	97.6	70-130
4-Bromofluorobenzene	EPA 8260C	107.2	70-130
Toluene-d8	EPA 8260C	92.0	70-130

Anatek Labs, Inc.

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-009B **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC11B-191105B **Sampling Time** 12:59 PM
Matrix Water **Sample Location** X9K0119-9B
Comments Sample Matrix Spike Duplicate

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	9.85	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,1,1-Trichloroethane	10.3	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	9.46	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,1,2-Trichloroethane	10.1	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,1-Dichloroethane	9.82	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,1-Dichloroethene	9.54	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,1-dichloropropene	10.7	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	9.91	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,2,3-Trichloropropane	9.56	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	9.84	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	9.61	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	9.05	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,2-Dibromoethane	10.6	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,2-Dichlorobenzene	9.67	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,2-Dichloroethane	9.84	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,2-Dichloropropane	10.1	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	9.63	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,3-Dichlorobenzene	9.8	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,3-Dichloropropane	10.8	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
1,4-Dichlorobenzene	9.53	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
2,2-Dichloropropane	10.6	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
2-Chlorotoluene	10.1	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
2-hexanone	9.31	ug/L	2.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
4-Chlorotoluene	10.1	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Acetone	8.61	ug/L	2.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Acrylonitrile	8.76	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Benzene	9.69	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Bromobenzene	9.53	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-009B **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC11B-191105B **Sampling Time** 12:59 PM
Matrix Water **Sample Location** X9K0119-9B
Comments Sample Matrix Spike Duplicate

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	9.39	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Bromodichloromethane	9.87	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Bromoform	10.7	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Bromomethane	9.97	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Carbon disulfide	10.0	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Carbon Tetrachloride	10.6	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Chlorobenzene	9.46	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Chloroethane	9.65	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Chloroform	10.4	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Chloromethane	8.82	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
cis-1,2-dichloroethene	10.0	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	10.3	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Dibromochloromethane	10.7	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Dibromomethane	9.55	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Dichlorodifluoromethane	11.1	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Ethylbenzene	10.1	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Hexachlorobutadiene	10.4	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Isopropylbenzene	10.4	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
m+p-Xylene	20.3	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	10.2	ug/L	2.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	8.43	ug/L	2.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Methylene chloride	9.55	ug/L	2.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	10.9	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Naphthalene	10.9	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
n-Butylbenzene	10.2	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
n-Propylbenzene	10.2	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
o-Xylene	10.1	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
p-isopropyltoluene	10.2	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-009B **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC11B-191105B **Sampling Time** 12:59 PM
Matrix Water **Sample Location** X9K0119-9B
Comments Sample Matrix Spike Duplicate

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	10.3	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Styrene	7.38	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
tert-Butylbenzene	10.5	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Tetrachloroethene	17.7	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Toluene	9.46	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	9.81	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	10.7	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Trichloroethene	10.8	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Trichlorofluoromethane	10.6	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	
Vinyl Chloride	9.69	ug/L	0.5	11/13/2019 11:52:00 AM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-009B

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	100.4	70-130
4-Bromofluorobenzene	EPA 8260C	100.0	70-130
Toluene-d8	EPA 8260C	98.4	70-130

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

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-010 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC12-1911105 **Sampling Time** 12:15 PM
Matrix Water **Sample Location** X9K0119-10

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	1.59	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-010 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC12-1911105 **Sampling Time** 12:15 PM
Matrix Water **Sample Location** X9K0119-10

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	4.94	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-010 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID W-WCC12-1911105 **Sampling Time** 12:15 PM
Matrix Water **Sample Location** X9K0119-10
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	
Vinyl Chloride	4.29	ug/L	0.5	11/13/2019 1:50:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-010

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	103.2	70-130
4-Bromofluorobenzene	EPA 8260C	98.0	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: SVL ANALYTICAL, INC.

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-011 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID WS-1-1-191105 **Sampling Time** 12:00 PM
Matrix Water **Sample Location** X9K0119-11
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-011 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID WS-1-1-191105 **Sampling Time** 12:00 PM
Matrix Water **Sample Location** X9K0119-11

Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-011 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID WS-1-1-191105 **Sampling Time** 12:00 PM
Matrix Water **Sample Location** X9K0119-11
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	11/13/2019 1:21:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-011

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	104.0	70-130
4-Bromofluorobenzene	EPA 8260C	99.2	70-130
Toluene-d8	EPA 8260C	102.8	70-130

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COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-012 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID WS-2-1-191105 **Sampling Time**
Matrix Water **Sample Location** X9K0119-12
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
2-hexanone	ND	ug/L	2.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Acetone	ND	ug/L	2.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Acrylonitrile	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Benzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Bromobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	

Anatek Labs, Inc.

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

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

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report

Sample Number 191108014-012 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID WS-2-1-191105 **Sampling Time**
Matrix Water **Sample Location** X9K0119-12
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Bromochloromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Bromoform	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Bromomethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Carbon disulfide	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Chlorobenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Chloroethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Chloroform	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Chloromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Dibromomethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Ethylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
m+p-Xylene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Methylene chloride	ND	ug/L	2.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Naphthalene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
o-Xylene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	

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Client: SPOKANE COUNTY UTILITIES **Batch #:** 191108014
Address: 22515 N. ELK CHATTAROY ROAD **Project Name:** SVL #X9K0119
COLBERT, WA 99005
Attn: SVL ANALYTICAL, INC.

Analytical Results Report

Sample Number 191108014-012 **Sampling Date** 11/5/2019 **Date/Time Received** 11/6/2019 10:44 AM
Client Sample ID WS-2-1-191105 **Sampling Time**
Matrix Water **Sample Location** X9K0119-12
Comments


Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Styrene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Tetrachloroethene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Toluene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Trichloroethene	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Trichlorofluoromethane	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.5	11/13/2019 6:16:00 PM	SAT	EPA 8260C	

Surrogate Data

Sample Number 191108014-012

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260C	103.6	70-130
4-Bromofluorobenzene	EPA 8260C	98.0	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

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

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Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Trichloroethene	10.1	ug/L	10	101.0	80-120	11/13/2019	11/13/2019
Toluene	9.83	ug/L	10	98.3	80-120	11/13/2019	11/13/2019
Tetrachloroethene	9.91	ug/L	10	99.1	80-120	11/13/2019	11/13/2019
o-Xylene	11.1	ug/L	10	111.0	80-120	11/13/2019	11/13/2019
Ethylbenzene	10.8	ug/L	10	108.0	80-120	11/13/2019	11/13/2019
cis-1,2-dichloroethene	10.0	ug/L	10	100.0	80-120	11/13/2019	11/13/2019
Chloroform	10.9	ug/L	10	109.0	80-120	11/13/2019	11/13/2019
Chlorobenzene	9.85	ug/L	10	98.5	80-120	11/13/2019	11/13/2019
Benzene	10.2	ug/L	10	102.0	80-120	11/13/2019	11/13/2019
1,1-Dichloroethene	10.6	ug/L	10	106.0	80-120	11/13/2019	11/13/2019

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
191108014-009	Trichloroethene	0.95	11.5	ug/L	10	105.5	70-130	11/13/2019	11/13/2019
191108014-009	Toluene	ND	9.16	ug/L	10	91.6	70-130	11/13/2019	11/13/2019
191108014-009	Tetrachloroethene	7.54	18.5	ug/L	10	109.6	70-130	11/13/2019	11/13/2019
191108014-009	o-Xylene	ND	11.3	ug/L	10	113.0	70-130	11/13/2019	11/13/2019
191108014-009	Ethylbenzene	ND	11.0	ug/L	10	110.0	70-130	11/13/2019	11/13/2019
191108014-009	cis-1,2-dichloroethene	ND	10.1	ug/L	10	101.0	70-130	11/13/2019	11/13/2019
191108014-009	Chloroform	ND	10.6	ug/L	10	106.0	70-130	11/13/2019	11/13/2019
191108014-009	Chlorobenzene	ND	9.76	ug/L	10	97.6	70-130	11/13/2019	11/13/2019
191108014-009	Benzene	ND	10.1	ug/L	10	101.0	70-130	11/13/2019	11/13/2019
191108014-009	1,1-Dichloroethene	ND	9.88	ug/L	10	98.8	70-130	11/13/2019	11/13/2019

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Trichloroethene	10.8	ug/L	10	98.5	6.3	0-25	11/13/2019	11/13/2019
Toluene	9.46	ug/L	10	94.6	3.2	0-25	11/13/2019	11/13/2019
Tetrachloroethene	17.7	ug/L	10	101.6	4.4	0-25	11/13/2019	11/13/2019
o-Xylene	10.1	ug/L	10	101.0	11.2	0-25	11/13/2019	11/13/2019
Ethylbenzene	10.1	ug/L	10	101.0	8.5	0-25	11/13/2019	11/13/2019
cis-1,2-dichloroethene	10.0	ug/L	10	100.0	1.0	0-25	11/13/2019	11/13/2019

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: SVL ANALYTICAL, INC.

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report Quality Control Data

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Chloroform	10.4	ug/L	10	104.0	1.9	0-25	11/13/2019	11/13/2019
Chlorobenzene	9.48	ug/L	10	94.8	2.9	0-25	11/13/2019	11/13/2019
Benzene	9.69	ug/L	10	96.9	4.1	0-25	11/13/2019	11/13/2019
1,1-Dichloroethene	9.54	ug/L	10	95.4	3.5	0-25	11/13/2019	11/13/2019

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019	11/13/2019
1,1,1-Trichloroethane	ND	ug/L	0.5	11/13/2019	11/13/2019
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	11/13/2019	11/13/2019
1,1,2-Trichloroethane	ND	ug/L	0.5	11/13/2019	11/13/2019
1,1-Dichloroethane	ND	ug/L	0.5	11/13/2019	11/13/2019
1,1-Dichloroethene	ND	ug/L	0.5	11/13/2019	11/13/2019
1,1-dichloropropene	ND	ug/L	0.5	11/13/2019	11/13/2019
1,2,3-Trichlorobenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
1,2,3-Trichloropropane	ND	ug/L	0.5	11/13/2019	11/13/2019
1,2,4-Trichlorobenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
1,2,4-Trimethylbenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
1,2-Dibromo-3-chloropropane(DBCP)	ND	ug/L	0.5	11/13/2019	11/13/2019
1,2-Dibromoethane	ND	ug/L	0.5	11/13/2019	11/13/2019
1,2-Dichlorobenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
1,2-Dichloroethane	ND	ug/L	0.5	11/13/2019	11/13/2019
1,2-Dichloropropane	ND	ug/L	0.5	11/13/2019	11/13/2019
1,3,5-Trimethylbenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
1,3-Dichlorobenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
1,3-Dichloropropane	ND	ug/L	0.5	11/13/2019	11/13/2019
1,4-Dichlorobenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
2,2-Dichloropropane	ND	ug/L	0.5	11/13/2019	11/13/2019
2-Chlorotoluene	ND	ug/L	0.5	11/13/2019	11/13/2019
2-hexanone	ND	ug/L	2.5	11/13/2019	11/13/2019
4-Chlorotoluene	ND	ug/L	0.5	11/13/2019	11/13/2019
Acetone	ND	ug/L	2.5	11/13/2019	11/13/2019
Acrylonitrile	ND	ug/L	0.5	11/13/2019	11/13/2019
Benzene	ND	ug/L	0.5	11/13/2019	11/13/2019
Bromobenzene	ND	ug/L	0.5	11/13/2019	11/13/2019

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: SVL ANALYTICAL, INC.

Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Bromochloromethane	ND	ug/L	0.5	11/13/2019	11/13/2019
Bromodichloromethane	ND	ug/L	0.5	11/13/2019	11/13/2019
Bromoform	ND	ug/L	0.5	11/13/2019	11/13/2019
Bromomethane	ND	ug/L	0.5	11/13/2019	11/13/2019
Carbon disulfide	ND	ug/L	0.5	11/13/2019	11/13/2019
Carbon Tetrachloride	ND	ug/L	0.5	11/13/2019	11/13/2019
Chlorobenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
Chloroethane	ND	ug/L	0.5	11/13/2019	11/13/2019
Chloroform	ND	ug/L	0.5	11/13/2019	11/13/2019
Chloromethane	ND	ug/L	0.5	11/13/2019	11/13/2019
cis-1,2-dichloroethene	ND	ug/L	0.5	11/13/2019	11/13/2019
cis-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019	11/13/2019
Dibromochloromethane	ND	ug/L	0.5	11/13/2019	11/13/2019
Dibromomethane	ND	ug/L	0.5	11/13/2019	11/13/2019
Dichlorodifluoromethane	ND	ug/L	0.5	11/13/2019	11/13/2019
Ethylbenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
Hexachlorobutadiene	ND	ug/L	0.5	11/13/2019	11/13/2019
Isopropylbenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
m+p-Xylene	ND	ug/L	0.5	11/13/2019	11/13/2019
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	11/13/2019	11/13/2019
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.5	11/13/2019	11/13/2019
Methylene chloride	ND	ug/L	2.5	11/13/2019	11/13/2019
methyl-t-butyl ether (MTBE)	ND	ug/L	0.5	11/13/2019	11/13/2019
Naphthalene	ND	ug/L	0.5	11/13/2019	11/13/2019
n-Butylbenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
n-Propylbenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
o-Xylene	ND	ug/L	0.5	11/13/2019	11/13/2019
p-isopropyltoluene	ND	ug/L	0.5	11/13/2019	11/13/2019
sec-Butylbenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
Styrene	ND	ug/L	0.5	11/13/2019	11/13/2019
tert-Butylbenzene	ND	ug/L	0.5	11/13/2019	11/13/2019
Tetrachloroethene	ND	ug/L	0.5	11/13/2019	11/13/2019
Toluene	ND	ug/L	0.5	11/13/2019	11/13/2019
trans-1,2-Dichloroethene	ND	ug/L	0.5	11/13/2019	11/13/2019
trans-1,3-Dichloropropene	ND	ug/L	0.5	11/13/2019	11/13/2019
Trichloroethene	ND	ug/L	0.5	11/13/2019	11/13/2019

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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Batch #: 191108014
Project Name: SVL #X9K0119

Analytical Results Report Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Trichloroflouromethane	ND	ug/L	0.5	11/13/2019	11/13/2019
Vinyl Chloride	ND	ug/L	0.5	11/13/2019	11/13/2019

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

Anatek Labs, Inc.

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Login Report

Customer Name: SPOKANE COUNTY UTILITIES

Order ID: 191108014

22515 N. ELK CHATTAROY ROAD

Order Date: 11/8/2019

COLBERT WA 99005

Contact Name: SVL ANALYTICAL, INC.

Project Name: SVL #X9K0119

Comment:

Sample #: 191108014-001 **Customer Sample #:** W-SVA1-191105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 4 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 9:10 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

Sample #: 191108014-002 **Customer Sample #:** W-WCC1-191105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 4 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 10:10 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

Sample #: 191108014-003 **Customer Sample #:** W-WCC2-191105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 4 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 11:40 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

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

Order ID: 191108014
Order Date: 11/8/2019

Contact Name: SVL ANALYTICAL, INC.

Project Name: SVL #X9K0119

Comment:

Sample #: 191108014-004 **Customer Sample #:** W-WCC4A-191105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 4 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 10:53 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

Sample #: 191108014-005 **Customer Sample #:** W-WCC7-191105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 4 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 9:49 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

Sample #: 191108014-006 **Customer Sample #:** W-WCC8-191105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 4 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 9:07 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

Sample #: 191108014-007 **Customer Sample #:** W-WCC9-191105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 4 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 10:41 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

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

Order ID: 191108014
Order Date: 11/8/2019

Contact Name: SVL ANALYTICAL, INC.

Project Name: SVL #X9K0119

Comment:

Sample #: 191108014-008 **Customer Sample #:** W-WCC10R-191105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 4 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 9:31 AM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

Sample #: 191108014-009 **Customer Sample #:** W-WCC11B-191105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 12 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 12:59 PM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

Sample #: 191108014-010 **Customer Sample #:** W-WCC12-1911105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 4 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 12:15 PM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

Sample #: 191108014-011 **Customer Sample #:** WS-1-1-1911105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 4 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:** 12:00 PM

Comment:

Test	Lab	Method	Due Date	Priority
SVOC 8270D MOSC	M	EPA 8270D	11/18/2019	<u>Normal (~10 Days)</u>
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<u>Normal (~10 Days)</u>

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

Order ID: 191108014
Order Date: 11/8/2019

Contact Name: SVL ANALYTICAL, INC.

Project Name: SVL #X9K0119

Comment:

Sample #: 191108014-012 **Customer Sample #:** WS-2-1-191105

Recv'd: **Matrix:** Water **Collector:** **Date Collected:** 11/5/2019

Quantity: 2 **Date Received:** 11/6/2019 10:44:00 AM **Time Collected:**

Comment:

Test	Lab	Method	Due Date	Priority
VOC 8260 MOSC	M	EPA 8260C	11/18/2019	<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)	3.1
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?	54

SPokane County Utilities Landfill Closure
Chain of Custody Record 2019

191108 014 **SCOU** Last Due 11/18/2019
1st SAMP 11/5/2019 1st RCVD 11/6/2019
SVL #X9K0119

SPokane County Utilities
22515 N. Elk Chatteroy Rd.
Colert, Washington 99005
Phone: (509) 238-6607
Fax: (509) 238-6812

PROJECT: GREENACRES SEMI-ANNUAL OR ANNUAL SAMPLING (CIRCLE ONE)
SHIPPING COMPANY: UPS
SHIPPING NUMBER: K0371385287 / K2645910092
NUMBER OF COOLERS: 2

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

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

ATTENTION: Sample Receiving

SAMPLE ID:	DATE:	TIME:	VOC'S	BEHP / PCP	NITRATE	TRACE METALS Mn / As / Sb / Pb / Cr					# BOTTLES	COOLER#	COMMENTS:
						Mn	As	Sb	Pb	Cr			
W-SVA1-191105	11/5/19	0910	X	X	X						4	44	
W-WCC1-191105	11/5/19	1010	X	X	X						4	44	
W-WCCA-191105	11/5/19	1140	X	X	X						4	45	
W-WCC4A-191105	11/5/19	1053	X	X	X						4	45	
W-WCC7-191105	11/5/19	0949	X	X	X						4	45	
W-WCC8-191105	11/5/19	0907	X	X	X						4	45	
W-WCC9-191105	11/5/19	1041	X	X	X						4	45	
W-WCC10R-191105	11/5/19	0931	X	X	X						4	45	
W-WCC11B-191105	11/5/19	1259	X	X	X						12	45	MS/MSD
W-WCC12-191105	11/5/19	1216	X	X	X						4	44	
WS-1-1-191105	11/5/19	1200	X	X	X						4	44	
WS-2-1-191105	11/5/19	-	X	X	X						2	44	TRIPS

COMMENT: Please email the sample condition report to Mike and Austin ASAP: mtorris@spokanecounty.org & astewart@spokanecounty.org
RELINQUISHED BY: *[Signature]*
SIGNATURE: *[Signature]*
PRINT NAME: MIKE S. TERRIS
DATE: 11/05/2019
TIME: 1500

RECEIVED BY: *[Signature]*
SIGNATURE: *[Signature]*
PRINT NAME: *[Signature]*
DATE: 11-6-19
TIME: *[Signature]*

SPokane County Utilities Landfill Closure

COMPANY

ALL TRIPS WILL BE IN 1 COOLER #44



Sample Receipt and Preservation Form

191108 014 SCOU Last Due 11/18/2019
1st SAMP 11/5/2019 1st RCVD 11/6/2019
SVL #X9K0119

Client Name: Spokane County Utilities Project:

TAT: Normal RUSH: days

Samples Received From: FedEx UPS USPS Client Courier Other:

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

Number of Coolers/Boxes: 2 Type of Ice: Ice/Ice Packs Blue Ice Dry Ice None

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

Cooler Temp As Read (C): 3.1 Cooler Temp Corrected (C): 3.1 Thermometer Used: IR-3

- Samples Received Intact? Yes No N/A
Chain of Custody Present? Yes No N/A
Samples Received Within Hold Time? Yes No N/A
Samples Properly Preserved? Yes No N/A
VOC Vials Free of Headspace (<6mm)? Yes No N/A
VOC Trip Blanks Present? Yes No N/A
Labels and Chains Agree? Yes No N/A
Total Number of Sample Bottles Received: 54

Comments table with 6 empty rows

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

Comments table with 2 rows, containing 'No VOCs'

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

VOC -> HCl

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

Scan to SVL

Received/Inspected By: [Signature] Date/Time: 11-6-19 10:44