Spokane County
PUBLIC WORKS

January 19, 2023

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

RE: Greenacres Landfill Groundwater Monitoring Annual Progress Report

Dear Kristin,

Enclosed is a copy of the Greenacres Landfill Groundwater Monitoring Annual Progress Report for November 2022. 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 2022

Spokane County

WASHINGTON

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TABLES

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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, 2021 through November 30, 2022.
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:	The Annual groundwater sampling program was 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 semi-annual to annual. Annual sampling was performed in November 2022. 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

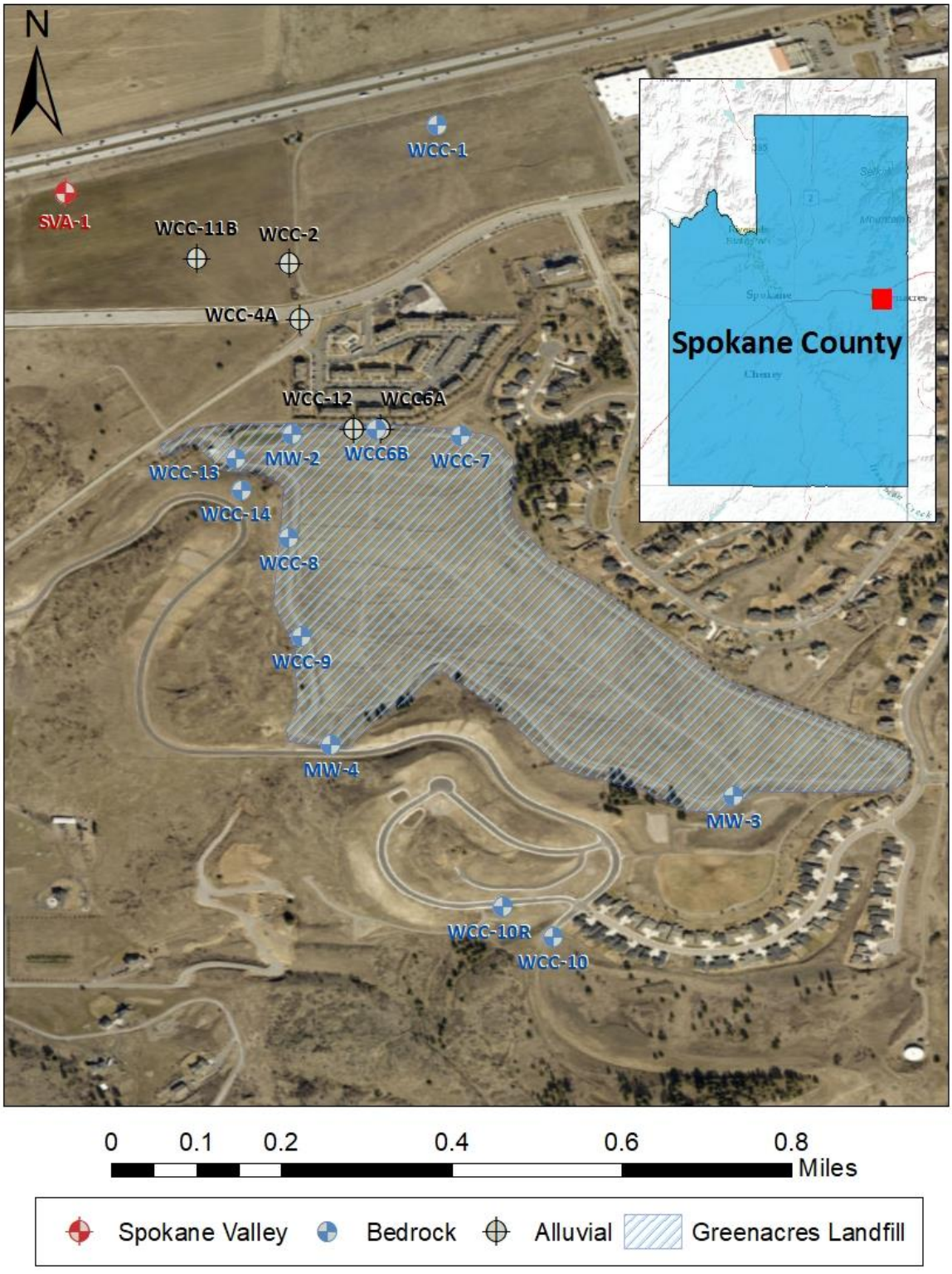


Figure 1-1: Greenacres Landfill Site Map

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	Annually	Annually	Annually	Annually	Annually	Annually	Annually
WCC-2	Annually	Annually	Annually	Annually	Annually	Annually	Annually
WCC-4A	Annually	Annually	Annually	Annually	Annually	Annually	Annually
WCC-11B	Annually	Annually	Annually	Annually	Annually	Annually	Annually
WCC-12	Annually	Annually	Annually	Annually	Annually	Annually	Annually
WCC-1	Annually	Annually	Annually	Annually	Annually	Annually	Annually
WCC-7	Annually	Annually	Annually	Annually	Annually	Annually	Annually
WCC-8	Annually	Annually	Annually	Annually	Annually	Annually	Annually
WCC-9	Annually	Annually	Annually	Annually	Annually	Annually	Annually
WCC-10R	Annually	Annually	Annually	Annually	Annually	Annually	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

PROBLEMS/DEVIATIONS

Alluvial monitoring well WCC-12 was purged to the intakes and allowed to recharge before obtaining groundwater samples. Spokane County personnel observed heavy road construction occurring near alluvial monitoring wells WCC-2 and WCC-11B. The turbidity value for WCC-2 was significantly higher compared to previous sampling events. County personnel also observed surface water in the manhole that houses bedrock monitoring well WCC-10R.

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 2022 sampling event are presented in *Appendix A: Groundwater Sampling Field Sheets*. The highest turbidity values were seen in wells WCC-10R (bedrock) and WCC-2 (alluvial). Highest conductivities found were present in WCC-12 (alluvial) and WCC-7 (bedrock).

CRITERIA EXCEEDANCE

All sample results exceeding the clean-up criteria are presented in Table 2-3. Concentrations exceeding clean-up criteria were found in 2 alluvial wells during this reporting period. Alluvial well WCC-11B exceeded the criteria for PCE, and alluvial well WCC12 exceeded the criteria for arsenic, manganese, and Vinyl chloride. Bedrock well WCC-10R and alluvial well WCC-2 exhibited manganese concentrations that exceeded the criteria in 2021, but concentrations decreased below the criteria during the 2022 reporting period. Detection/exceedance geospatial maps for analytes that exceeded the criteria are presented in Figure 2-3 through Figure 2-6.

TREND ANALYSIS

Statistical trend analysis was 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 WCC-11B shows decreasing trends for PCE. WCC-12 exhibited decreasing trends for 1,2-DCA, cis-1,2-DCE, VC, and Manganese. WCC-2 has statistically significant decreasing trends for cis-1,2-DCE, PCE, and Manganese. WCC-4A 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 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 WCC-1, WCC-7, and WCC-9 all show statistically significant decreasing trends for PCE. WCC-8 also exhibited a decreasing trend for cis-1,2-DCE.

CHEMICAL DATA

Table 2-4 presents volatile organic compound analytical results for the annual reporting period. Semi-volatile organic results are shown in Table 2-5, conventionals results are presented in Table 2-6, and metals analytical results are shown in Table 2-7. Figure 2-7 through Figure 2-11 present time-series plots for alluvial aquifer well analyte concentrations. Time-series plots for bedrock well analyte concentrations are shown in Figure 2-17 through Figure 2-21. Laboratory analytical results are presented in *Appendix B: Laboratory Results*.

VOC's:
The alluvial aquifer wells had detectable concentrations for 1,2-DCA, CFC-11, CFC-12, cis-1,2-DCE, PCE, TCE, and VC during the November sampling event. Alluvial aquifer well WCC-11B was the only well with PCE concentrations remaining above the criteria. While PCE concentrations for WCC-11B have remained on a decreasing trend since 2003, PCE concentrations exhibited an increase in concentrations during this reporting period. Low concentrations of PCE were detected in the bedrock aquifer well WCC-7, and the alluvial aquifer well WCC-4A. Low concentrations of cis-1,2-Dichloroethene were detected in alluvial wells WCC-12, WCC-11B, and WCC-4A. Cis-1,2-DCE concentrations for WCC-12 appear to be on an increasing trend since 2016. Vinyl chloride concentrations in WCC-12 exceeded the criteria. There were detections for TCE in alluvial well WCC-11B and WCC-12, but the concentrations continue to remain under the criteria. The bedrock aquifer wells had detectable PCE concentrations in WCC-7 during this reporting period. All detectable VOC concentrations for all Greenacres monitoring wells have shown decreases in concentration over the last 5 years, with the exception of 1,2-DCA, cis-1,2-DCE, and VC for alluvial well WCC-12.

SVOC's:
There were no detections for any SVOCs during this reporting period. All detectable SVOCs within the past 5 years have shown a decrease in concentrations.

Conventionals:
Low concentrations of nitrate were found in alluvial well WCC-2 and bedrock wells WCC-8, WCC-9, and WCC-10R. Detectable concentrations for nitrate have decreased/plateaued for all alluvial and bedrock wells over the last 5 years.

Metals:
Alluvial aquifer well WCC-12 exhibited detectable concentrations of arsenic and Manganese over the cleanup criteria for the November sampling event. Alluvial aquifer monitoring wells WCC-2/WCC-4A and bedrock monitoring well WCC-10R had detectable concentrations of manganese during this reporting period. WCC-10R also had detectable concentrations of arsenic during the November sampling event. The detectable arsenic concentrations in WCC-10R appear to coincide with the presence of surface water in the manhole that houses the well/well casing. Lead, antimony, and chromium were not found in any of the monitoring wells sampled during this reporting period.

SUMMARY

While most analyte laboratory results remained consistent with previous concentrations/trends, there were several unexpected results found from the November 2022 sampling event. PCE and TCE concentrations for WCC-11B, TCE and arsenic concentrations for WCC-12, PCE concentrations for WCC-7, and arsenic concentrations for WCC-10R all exhibited recent increasing concentration trends that were inconsistent with previously plateauing or decreasing concentration trends. These increases in analyte concentrations appear to coincide with an increase in the total annual landfill gas generation compared to previous years and an increase in construction activities within the vicinity of the Greenacres Landfill. Manganese concentrations for bedrock well WCC-10R and alluvial well WCC-2 decreased below the criteria, and there were no statistically significant changes in the analyte concentration trend analysis results. In general, the alluvial unit monitoring wells had higher analyte concentrations and detections than the bedrock unit wells. The highest concentrations of analytes tend to be near the northern edge of the landfill.

DATA VALIDATION

Analytical data for the November 2022 sampling event was reviewed using quality control (QC) criteria established in the Greenacres Landfill Sampling and Analysis Plan (SAP). The shipping service (UPS) that delivered the conventionals samples to SVL Laboratory for analysis delivered the samples late/past the N-nitrate holding time. Results for all qualified data during this reporting period are presented below.

Qualified Data:

StationID	SampleDate	Analyte	SampleID	RptLimit	Units	Result	Qualifier	Type
WCC10R	11/2/2022	N-Nitrate	W-WCC10R-221102	0.05	mg/L	1.15	J	C
WCC2	11/2/2022	N-Nitrate	W-WCC2-221102	0.05	mg/L	1.47	J	C
WCC8	11/2/2022	N-Nitrate	W-WCC8-221102	0.05	mg/L	1.33	J	C
WCC9	11/2/2022	N-Nitrate	W-WCC9-221102	0.05	mg/L	2.4	J	C

Greenacres Landfill Groundwater Elevations

Table 2-1 Greenacres Landfill Groundwater Elevation Data

StationID	Unit	1-2022*	11-2022*
SVA1	Alluvial Aquifer		1957.19
WCC11A	Alluvial Aquifer		1957.34
WCC11B	Alluvial Aquifer		1957.76
WCC12	Alluvial Aquifer		1996.29
WCC2	Alluvial Aquifer		1958.11
WCC4A	Alluvial Aquifer		1959.57
WCC6A	Alluvial Aquifer		2000.69
MW2	Bedrock Aquifer		2053.69
WCC1	Bedrock Aquifer		1958.73
WCC10R	Bedrock Aquifer	2336.50	
WCC13	Bedrock Aquifer		2063.10
WCC6B	Bedrock Aquifer		2030.82
WCC7	Bedrock Aquifer		2034.44
WCC8	Bedrock Aquifer		2102.60
WCC9	Bedrock Aquifer		2174.52

*Water Elevations: ft above MSL

Greenacres Estimated Groundwater Contours

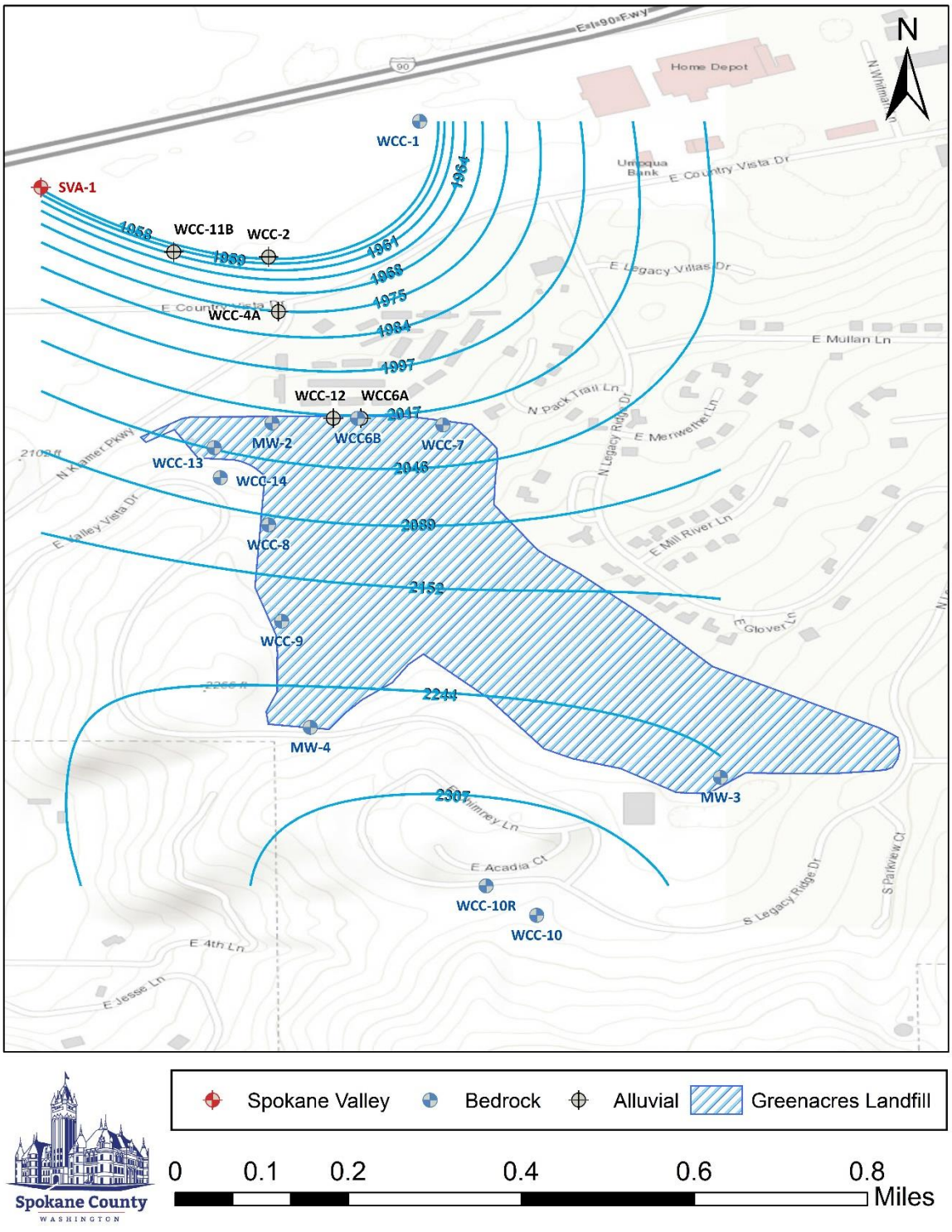


Figure 2-1: Greenacres Landfill Estimated Groundwater Contours – 2022

Greenacres *Groundwater Elevations Map*

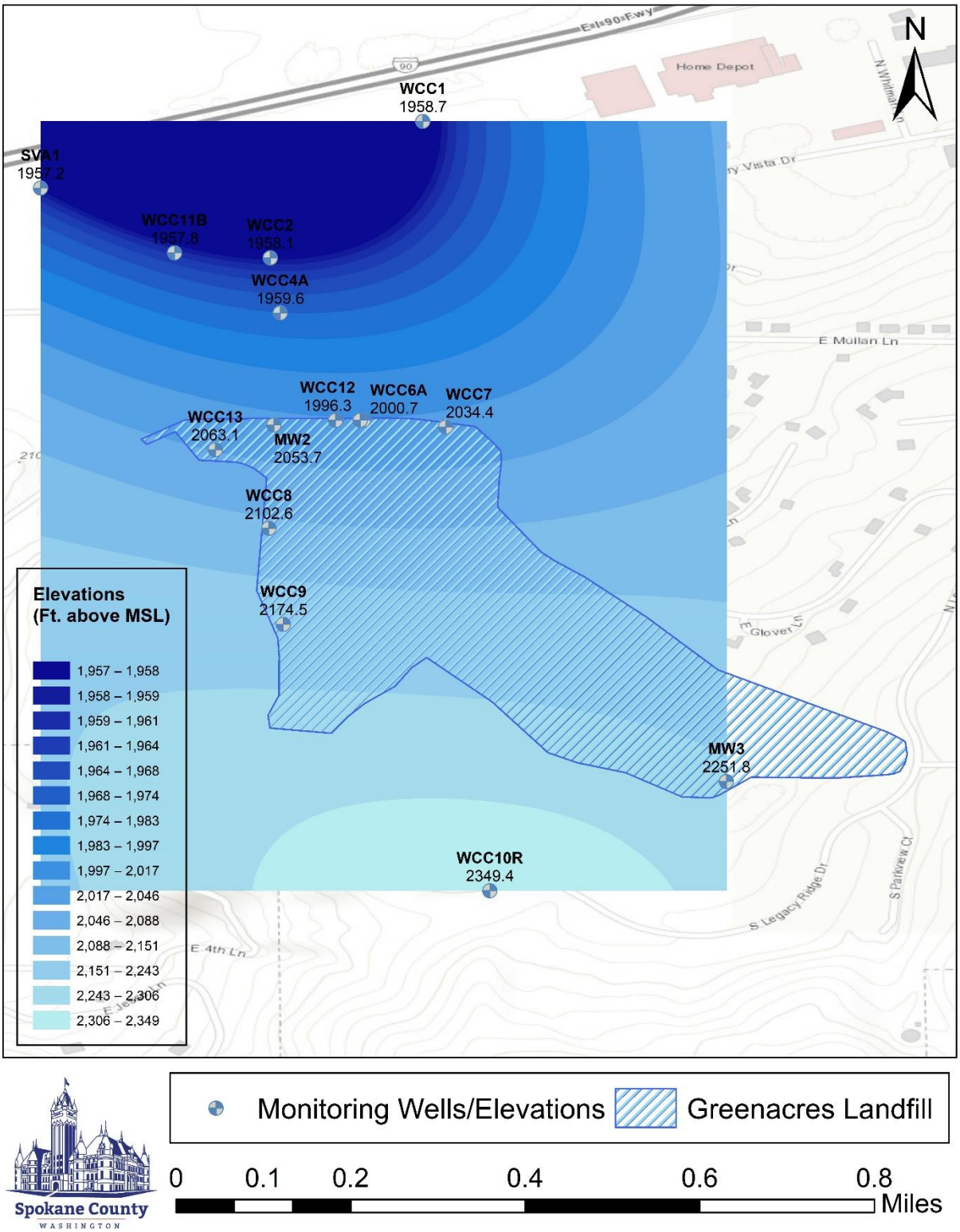


Figure 2-2: Greenacres Landfill Groundwater Elevations

Greenacres Landfill Field Parameters

Table 2-2 Greenacres Landfill Annual Monitoring Well Field Parameters

StationID	Unit	SampleDate	Temp*	PH*	Conductivity*	Turbidity*
SVA1	Alluvial Aquifer	11/2/2022	11.6	8	173	0.21
WCC11B	Alluvial Aquifer	11/2/2022	11.9	7.42	726	0.24
WCC12	Alluvial Aquifer	11/3/2022	13.6	6.61	1046	1.12
WCC2	Alluvial Aquifer	11/2/2022	10	7.46	442	11.21
WCC4A	Alluvial Aquifer	11/2/2022	11.2	6.81	691	0.36
WCC1	Bedrock Aquifer	11/2/2022	11.9	7.9	516	0.27
WCC10R	Bedrock Aquifer	1/5/2022	11.5	7.79	320	6.7
WCC10R	Bedrock Aquifer	11/2/2022	10.6	8.05	164	5.61
WCC7	Bedrock Aquifer	11/2/2022	11.7	7.49	763	0.13
WCC8	Bedrock Aquifer	11/2/2022	11	6.76	141	0.47
WCC9	Bedrock Aquifer	11/2/2022	10.8	6.38	139	0.41

* Temp: Degrees C, Conductivity: umhos/cm, Turbidity: 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	11/2/2022	9.86	5	ug/L	PCE	V
WCC12	Alluvial Aquifer	11/3/2022	0.055	0.005	mg/L	As	I
WCC12	Alluvial Aquifer	11/3/2022	1.83	0.05	mg/L	Mn	I
WCC12	Alluvial Aquifer	11/3/2022	3.56	1	ug/L	VC	V

Criteria Exceedances – Summary of changes from 2021 to 2022:

StationID	Unit	Analyte	Summary of change
WCC10R	Bedrock Aquifer	Mn	Decreased from **exceedance** in 2021 to **no exceedance** in 2022
WCC2	Alluvial Aquifer	Mn	Decreased from **exceedance** in 2021 to **no exceedance** in 2022

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	cis-1,2-DCE	PCE	TCE	VC	CFC-11
WCC11B	Alluvial Aquifer	11/2/2022		1.75	0.55	**9.86**	1.07		0.55
WCC12	Alluvial Aquifer	11/3/2022	1.55		6.8		0.52	**3.56**	
WCC4A	Alluvial Aquifer	11/2/2022			2.46	1.31			
WCC7	Bedrock Aquifer	11/2/2022				1.7			

*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	SVOC

Criteria exceedances are in **RED**

All SVOC concentrations were non-detection at the designated detection limit(s) during this reporting period.

Greenacres Landfill Conventional Detections

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

StationID	Unit	SampleDate	NO3
WCC10R	Bedrock Aquifer	11/2/2022	1.15
WCC2	Alluvial Aquifer	11/2/2022	1.47
WCC8	Bedrock Aquifer	11/2/2022	1.33
WCC9	Bedrock Aquifer	11/2/2022	2.4

*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	1/5/2022		0.0485
WCC10R	Bedrock Aquifer	11/2/2022	0.00364	0.0084
WCC12	Alluvial Aquifer	11/3/2022	**0.055**	**1.83**
WCC2	Alluvial Aquifer	11/2/2022		0.0125
WCC4A	Alluvial Aquifer	11/2/2022		0.0244

*Criteria exceedances are in **RED**

VOC detections/exceedance maps – Tetrachloroethene

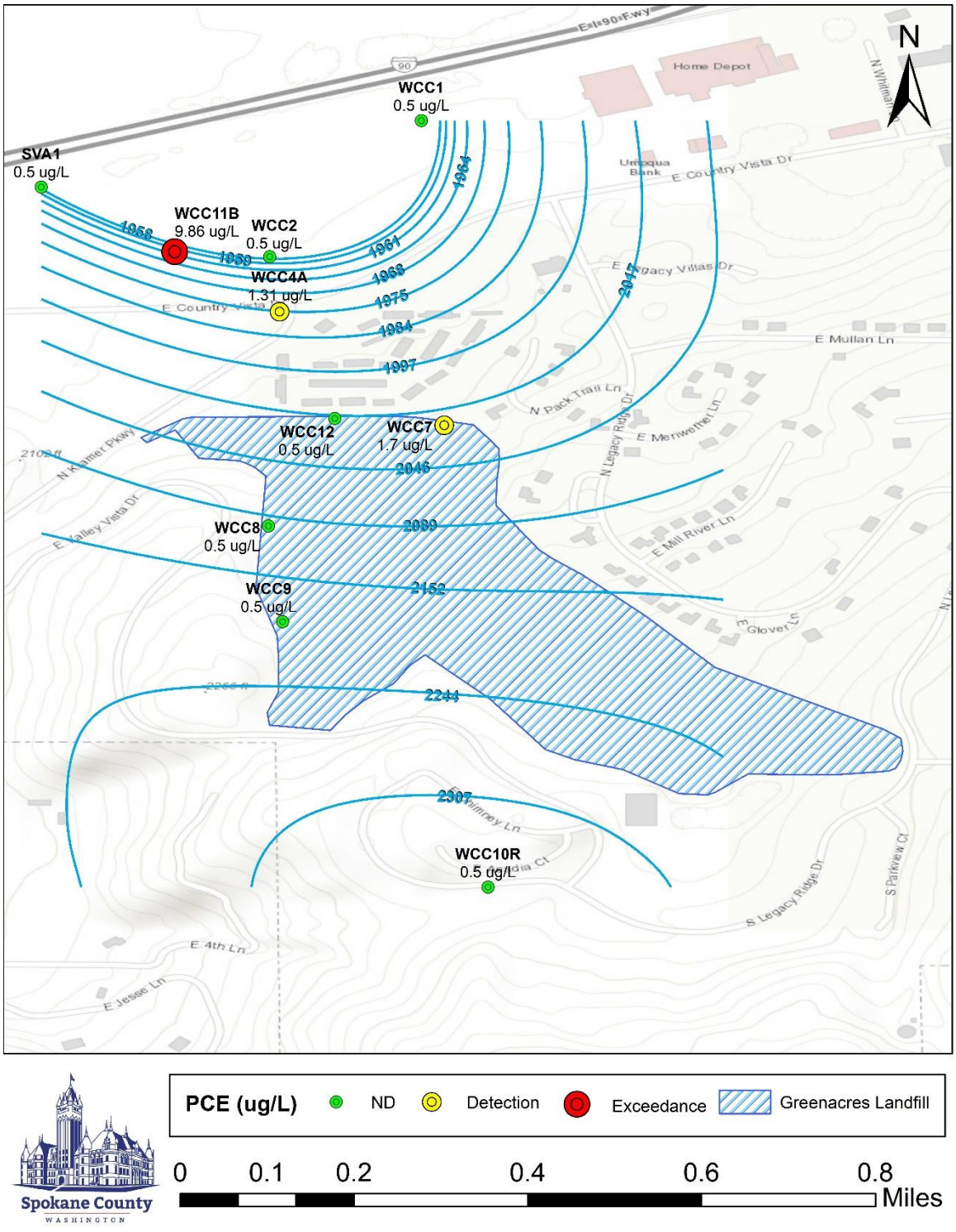


Figure 2-3: Tetrachloroethene detections/exceedance map – 2022

VOC Detections/Exceedance Maps – Vinyl chloride

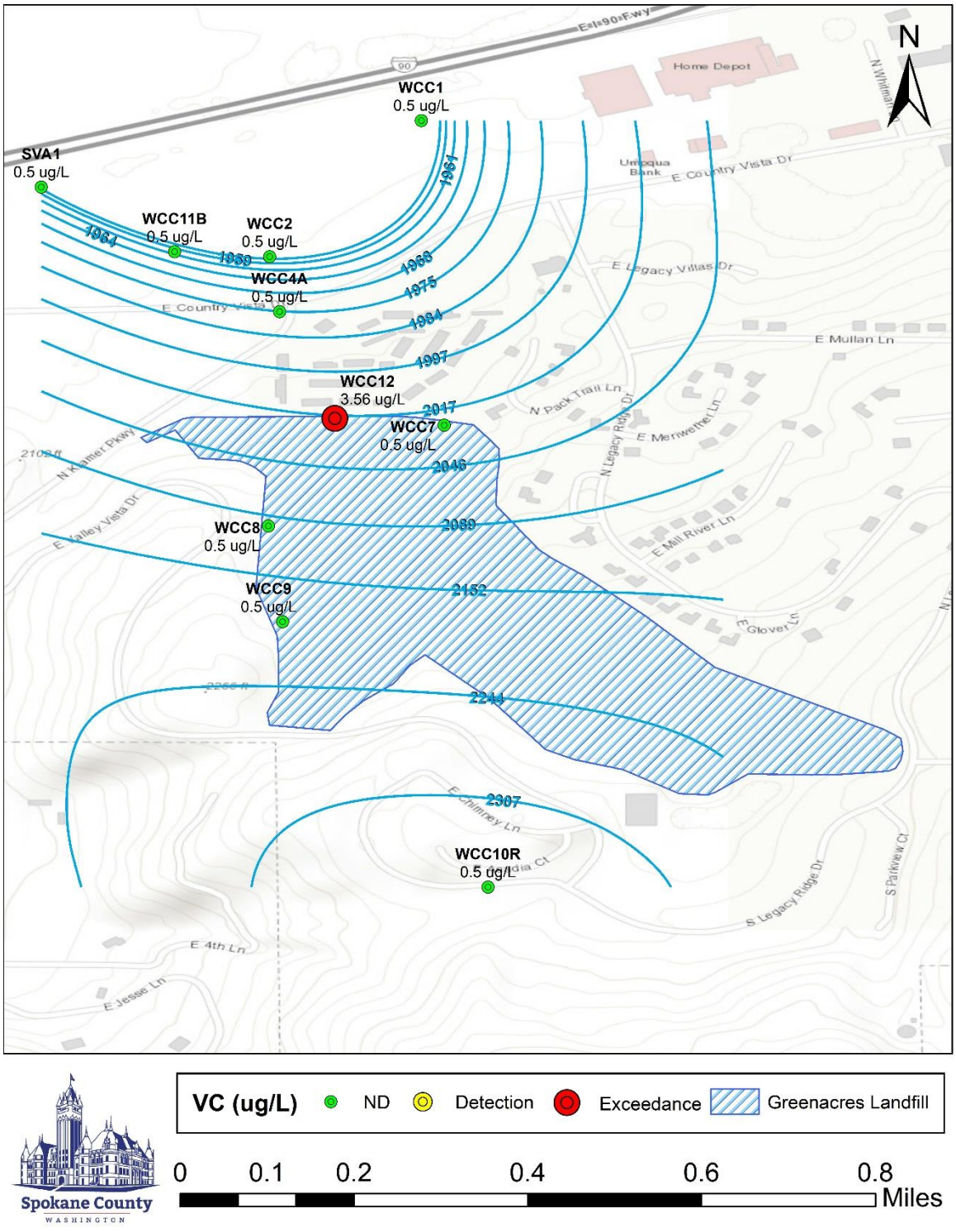


Figure 2-4: Vinyl chloride detections/exceedance map - 2022

Inorganics Detections/Exceedance Maps – Manganese

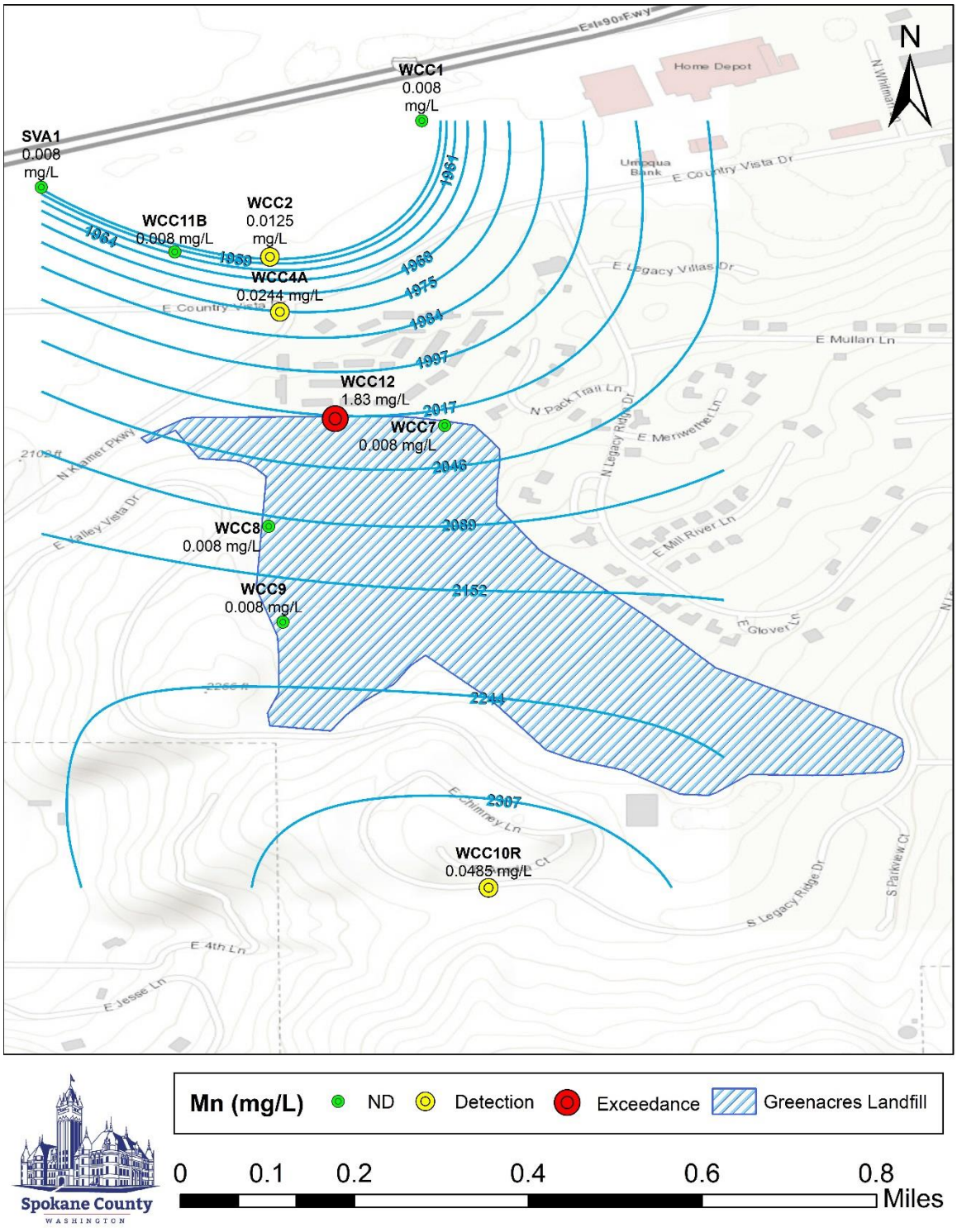


Figure 2-5: Manganese detections/exceedance map – 2022

Inorganic Detections/Exceedance Maps – Arsenic

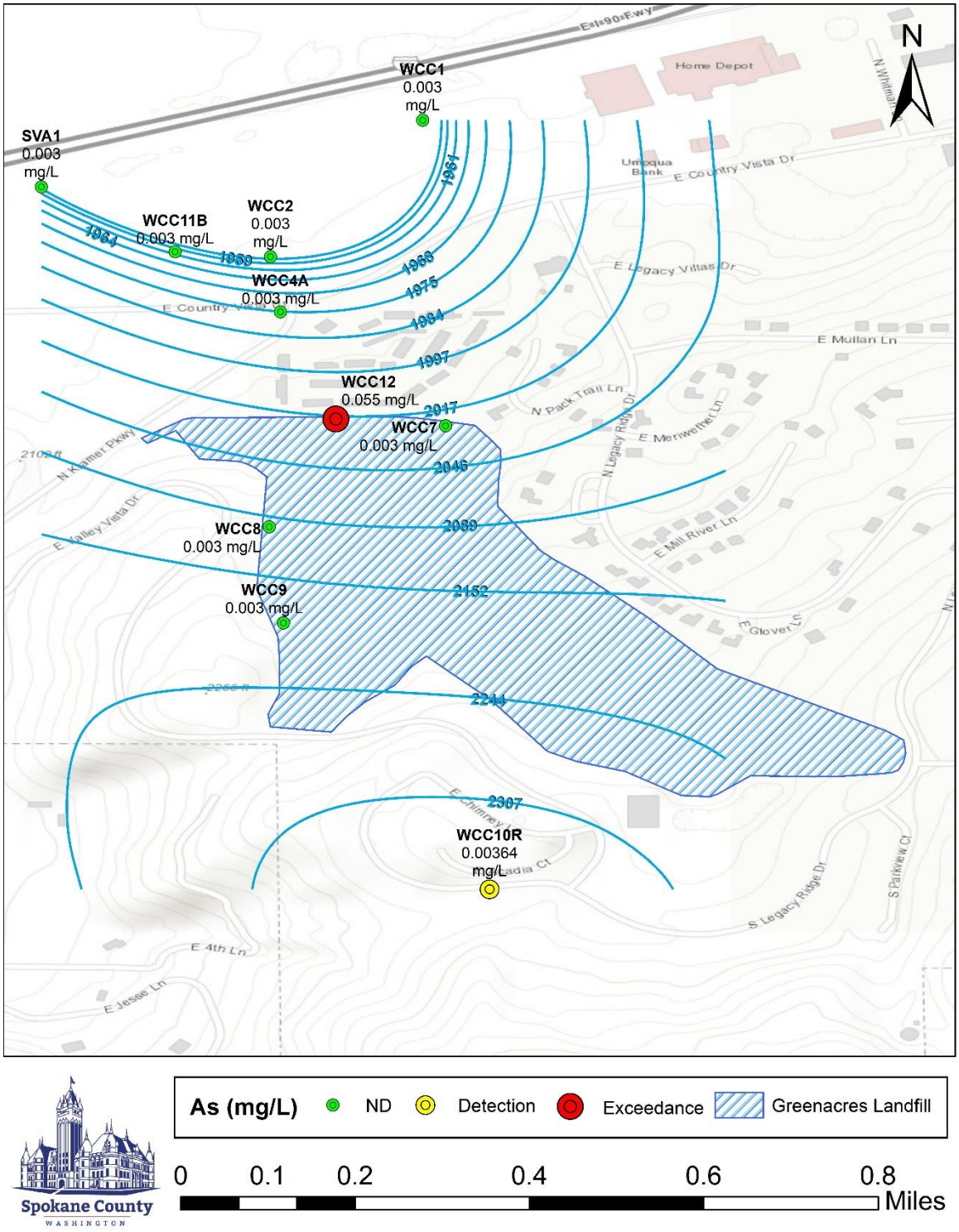


Figure 2-6: Arsenic detections/exceedance map – 2022

Greenacres Landfill Trend Analysis – 2022

Table 2-8: Greenacres Landfill Statistically Significant Trends (Sen's Test) 2022

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

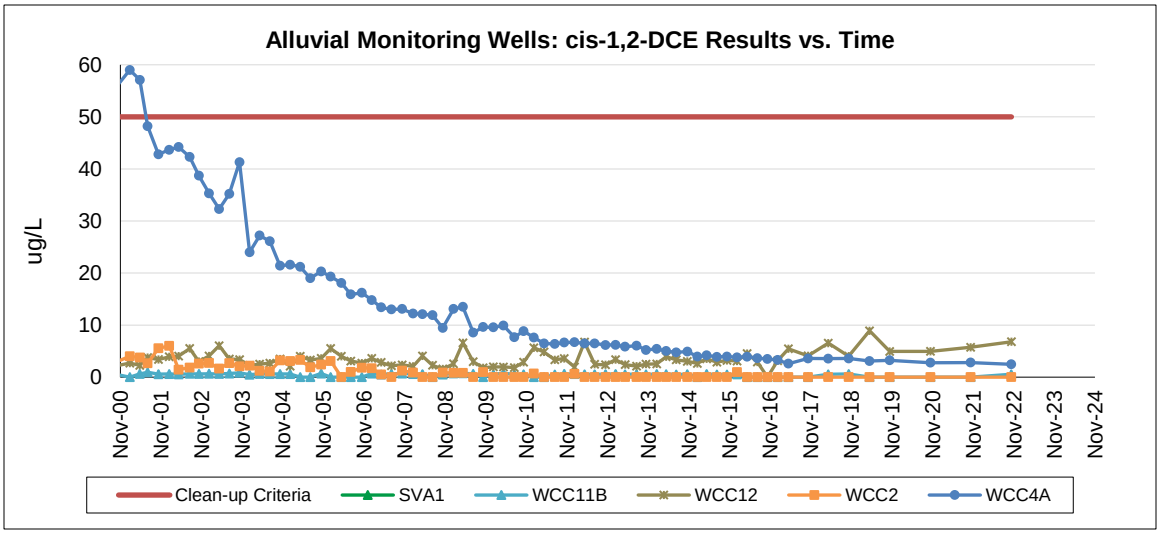
Trend Analysis – Summary of changes from 2021 to 2022

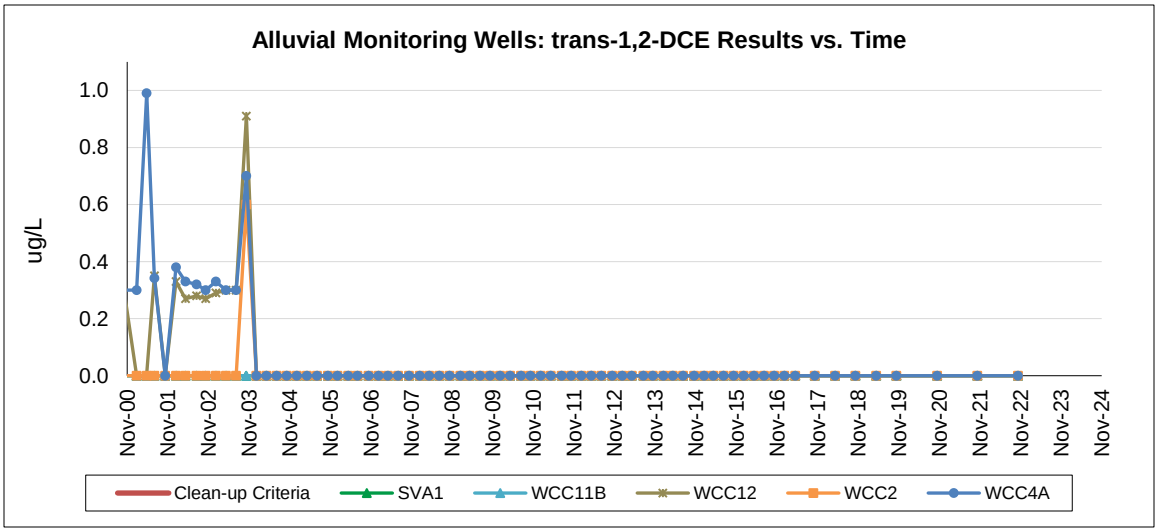
StationID	Unit	Analyte	Summary of change

No changes in trend analysis results occurred between 2021 to 2022.

Alluvial Monitoring Wells: VOCs/SVOCs Time-Series Graphs

Figure 2-7: Alluvial Wells – VOCs/SVOCs Concentration Graphs





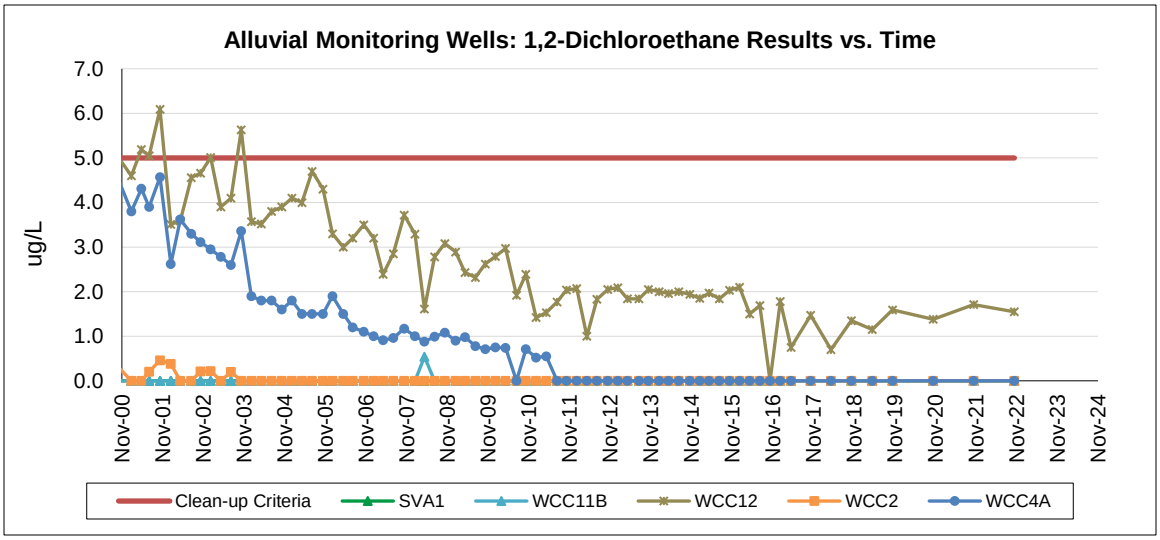
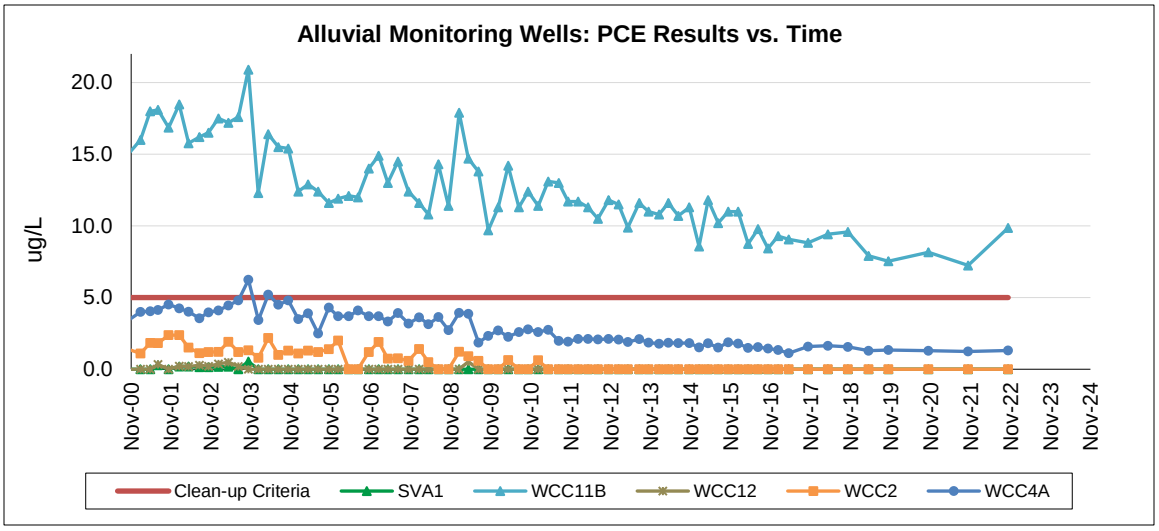
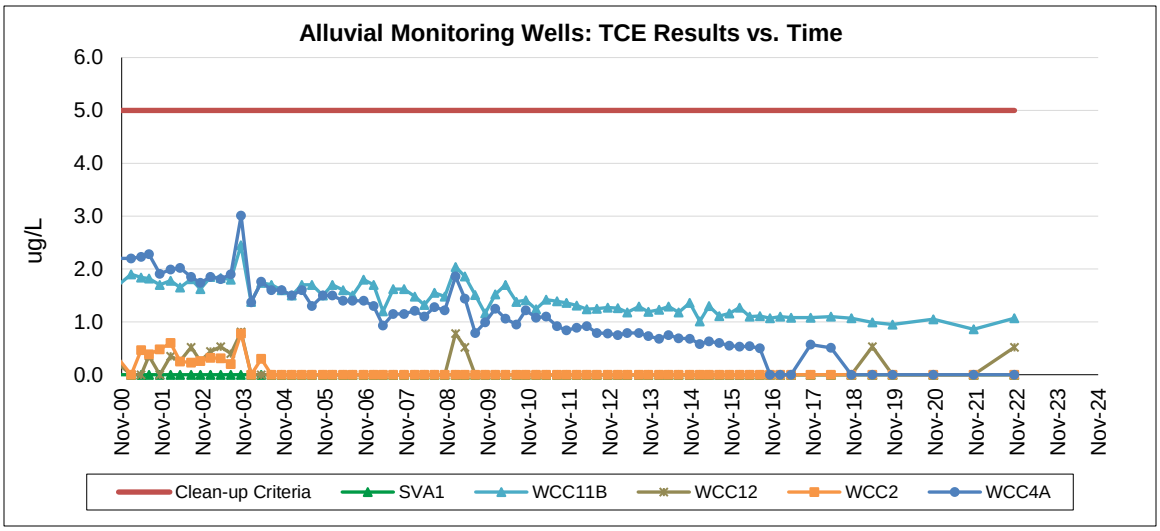


Figure 2-8: Alluvial Wells – VOCs/SVOCs Concentration Graphs (cont.)





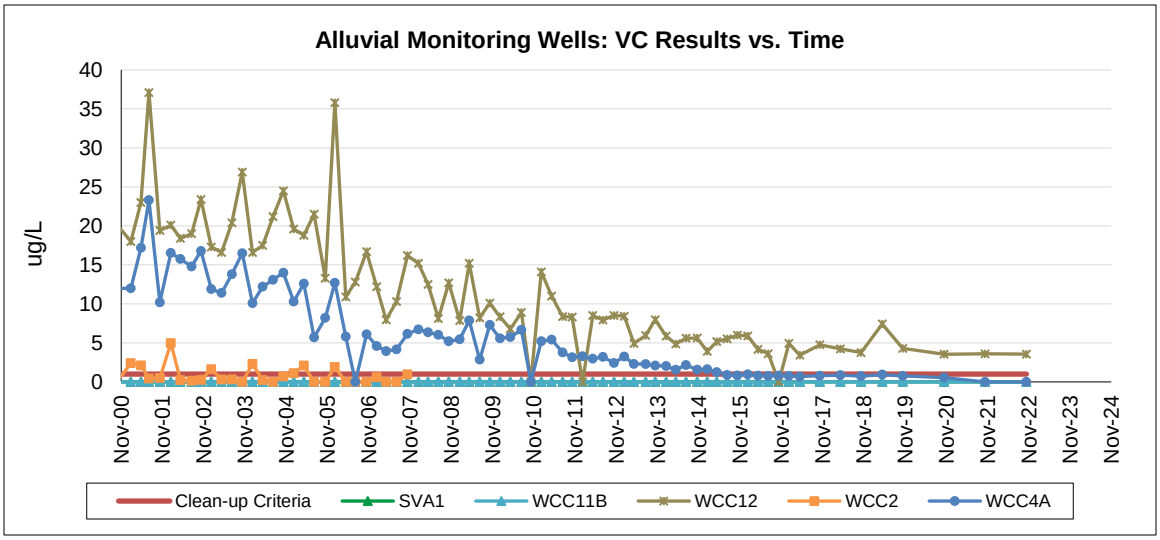
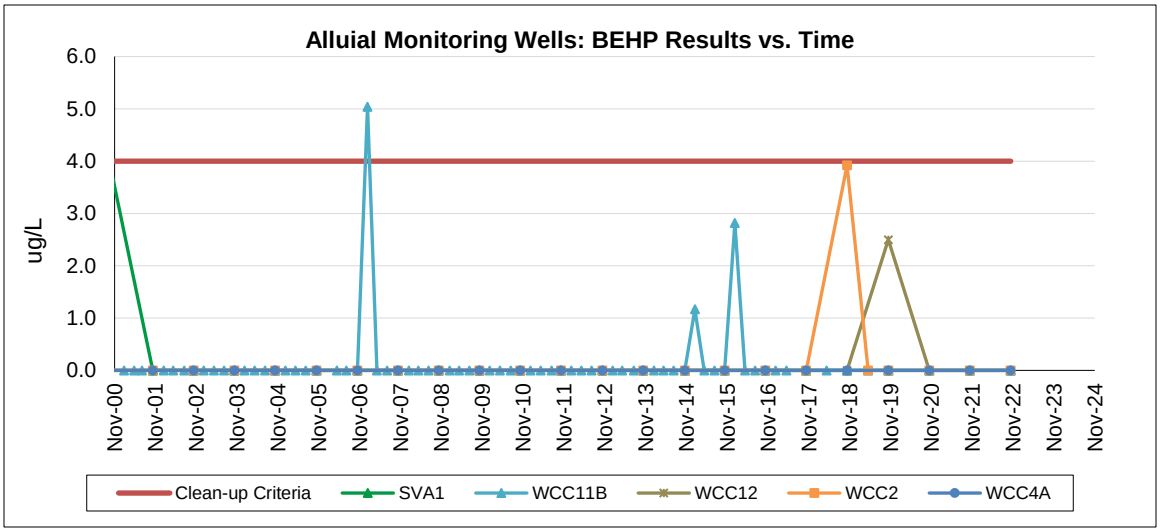
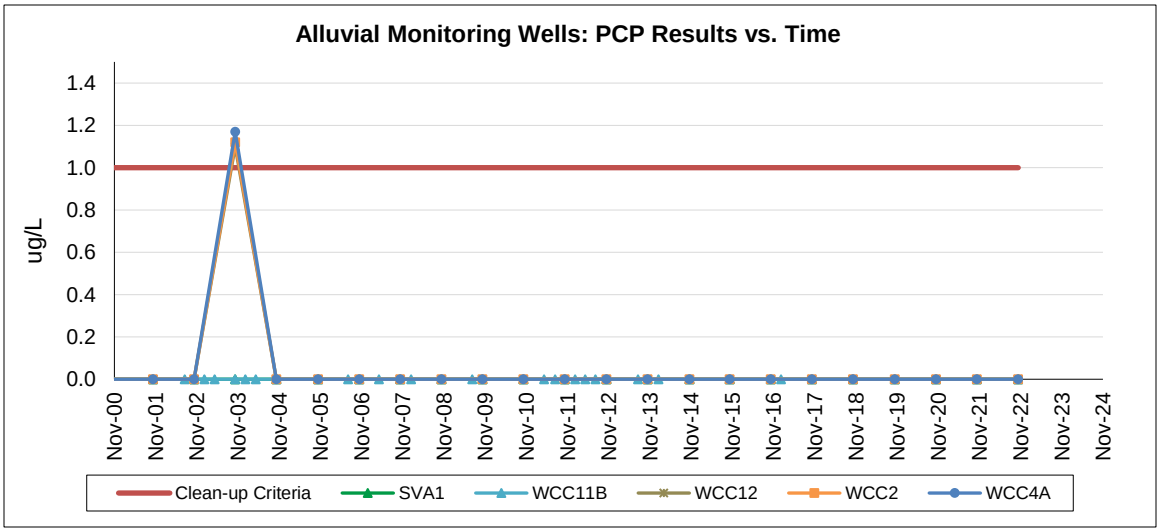


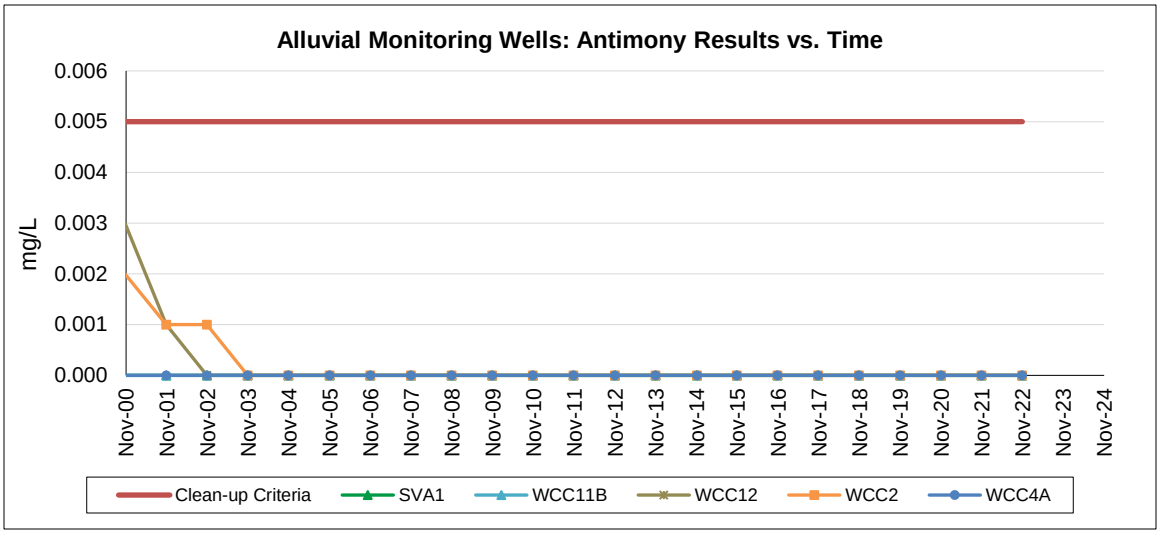
Figure 2-9: Alluvial Wells – VOCs/SVOCs Concentration Graphs (cont.)

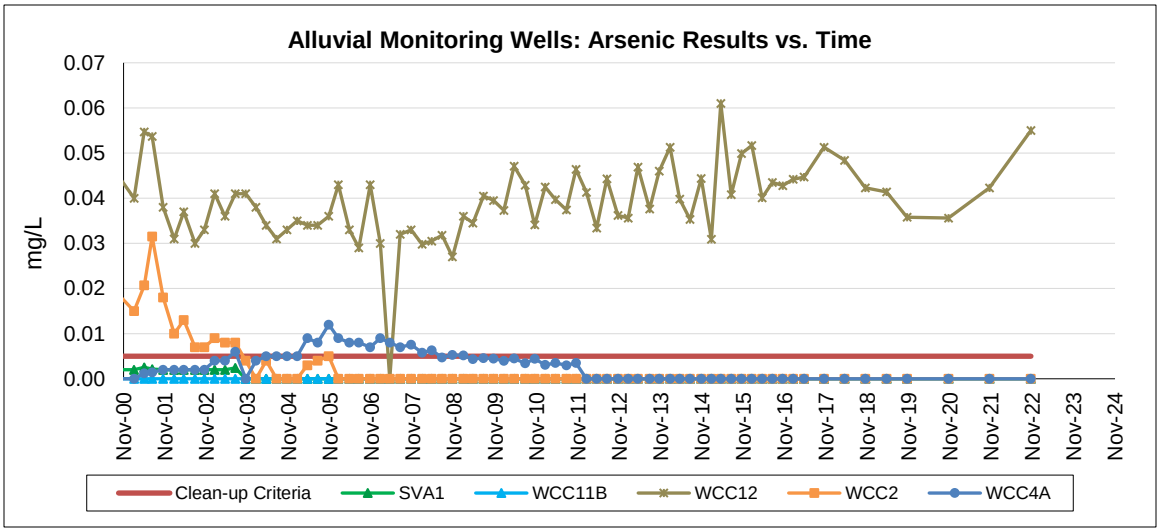




Alluvial Monitoring Wells: Inorganics Time-Series Graphs

Figure 2-10: Alluvial wells – Inorganics Concentration Graphs





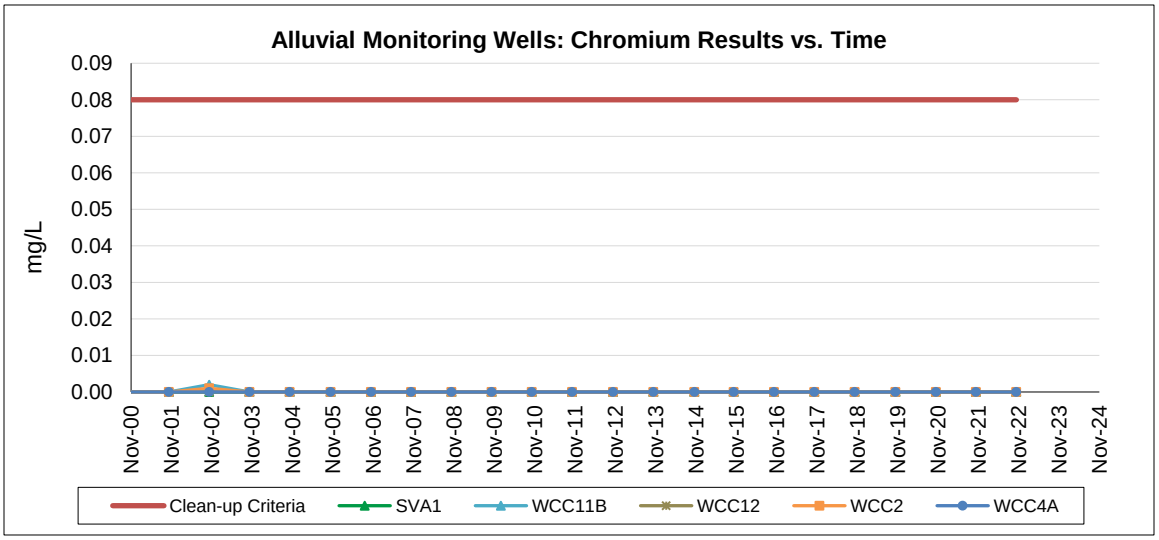
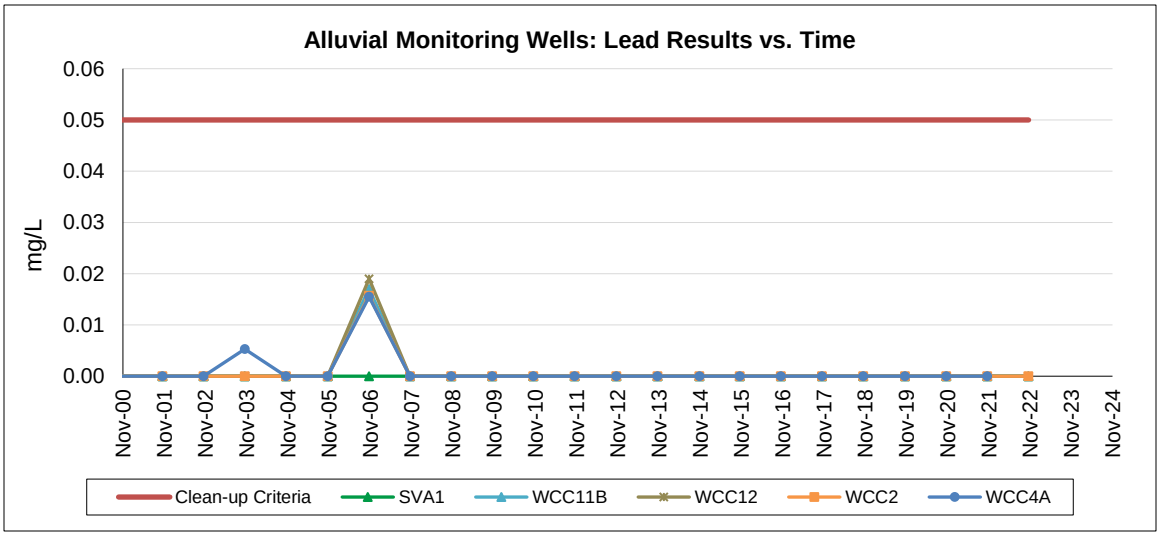
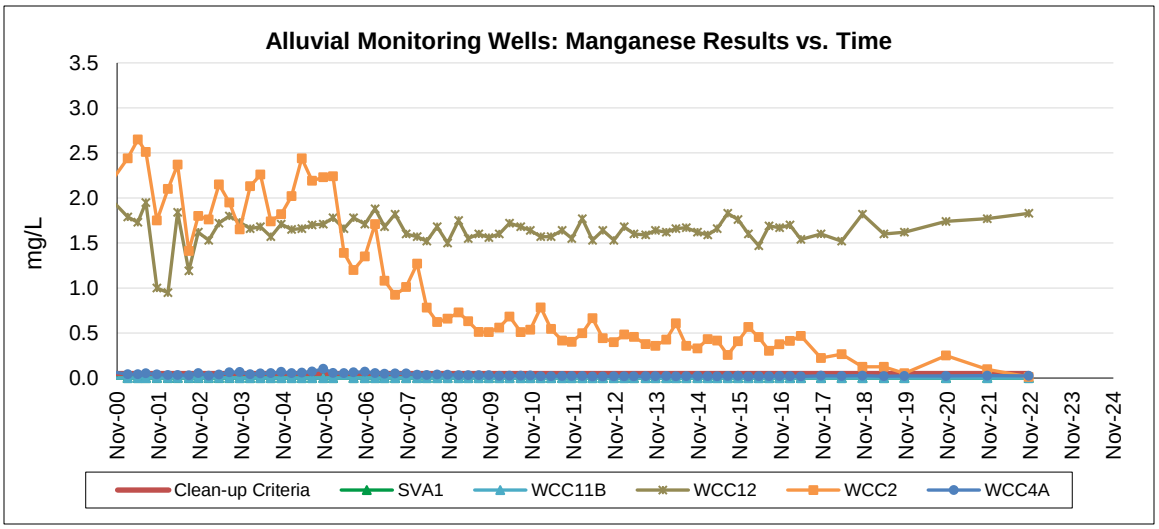


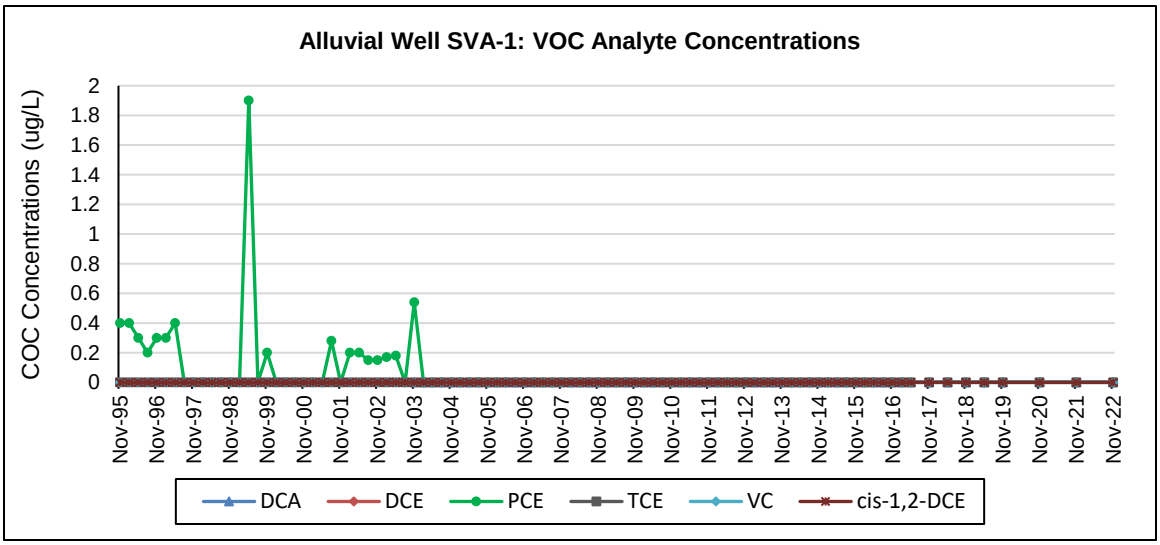
Figure 2-11: Alluvial Wells – Inorganics Concentration Graphs (cont.)

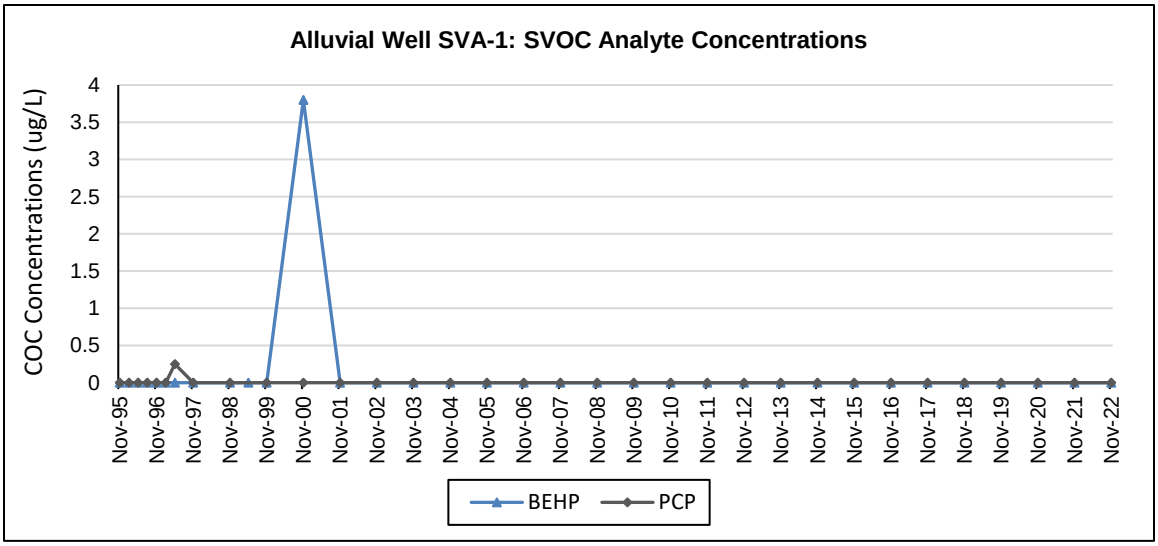




Individual Alluvial Monitoring Wells: Analyte Time-Series Graphs

Figure 2-12: Alluvial Well SVA-1 Analyte Concentration Graphs





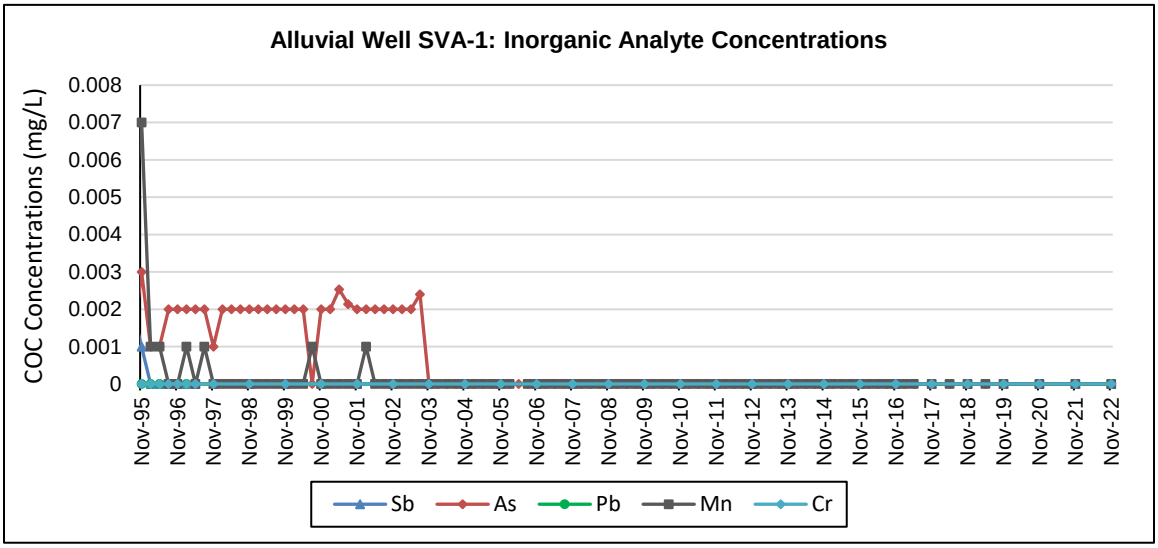
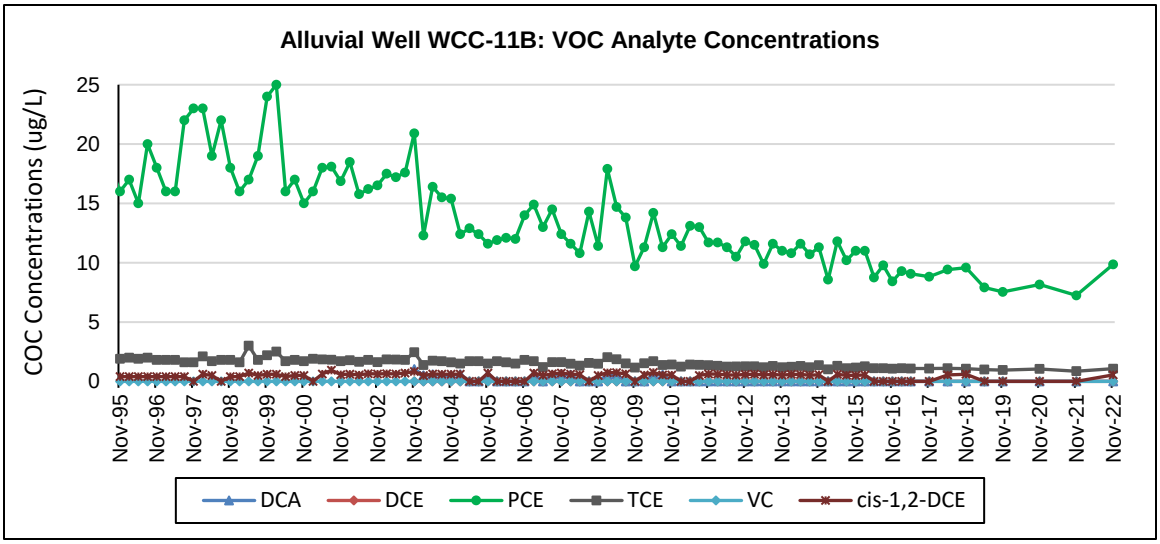
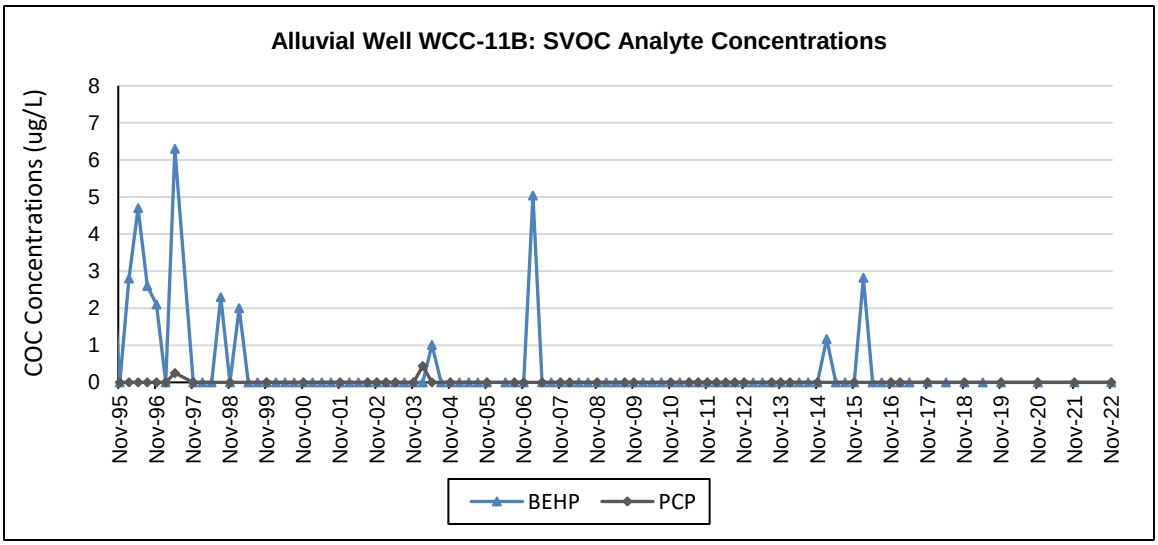


Figure 2-13: Alluvial Well WCC-11B Analyte Concentration Graphs





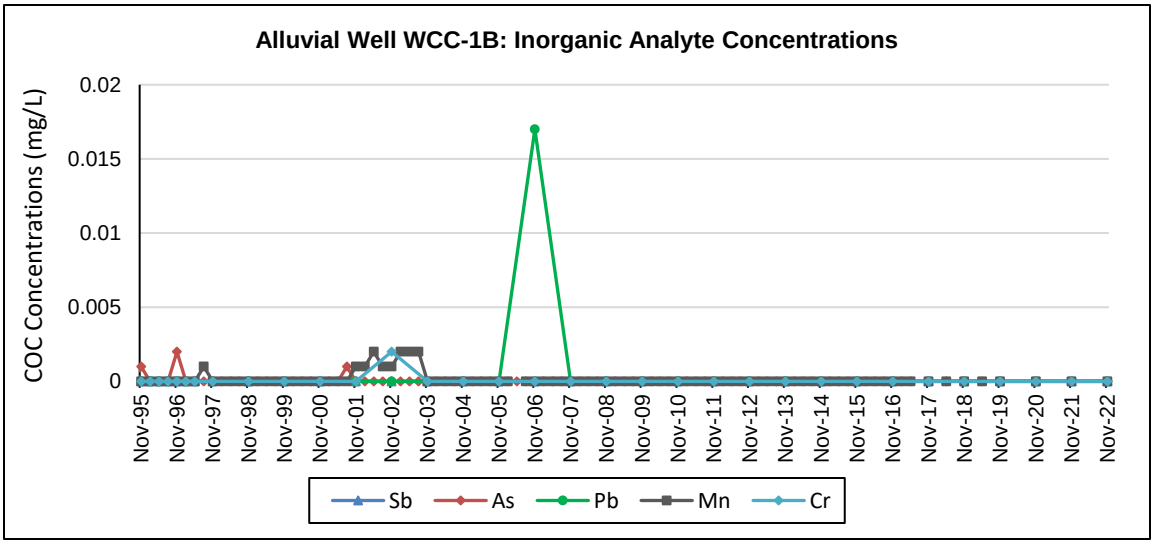


Figure 2-14: Alluvial Well WCC-12 Analyte Concentration Graphs

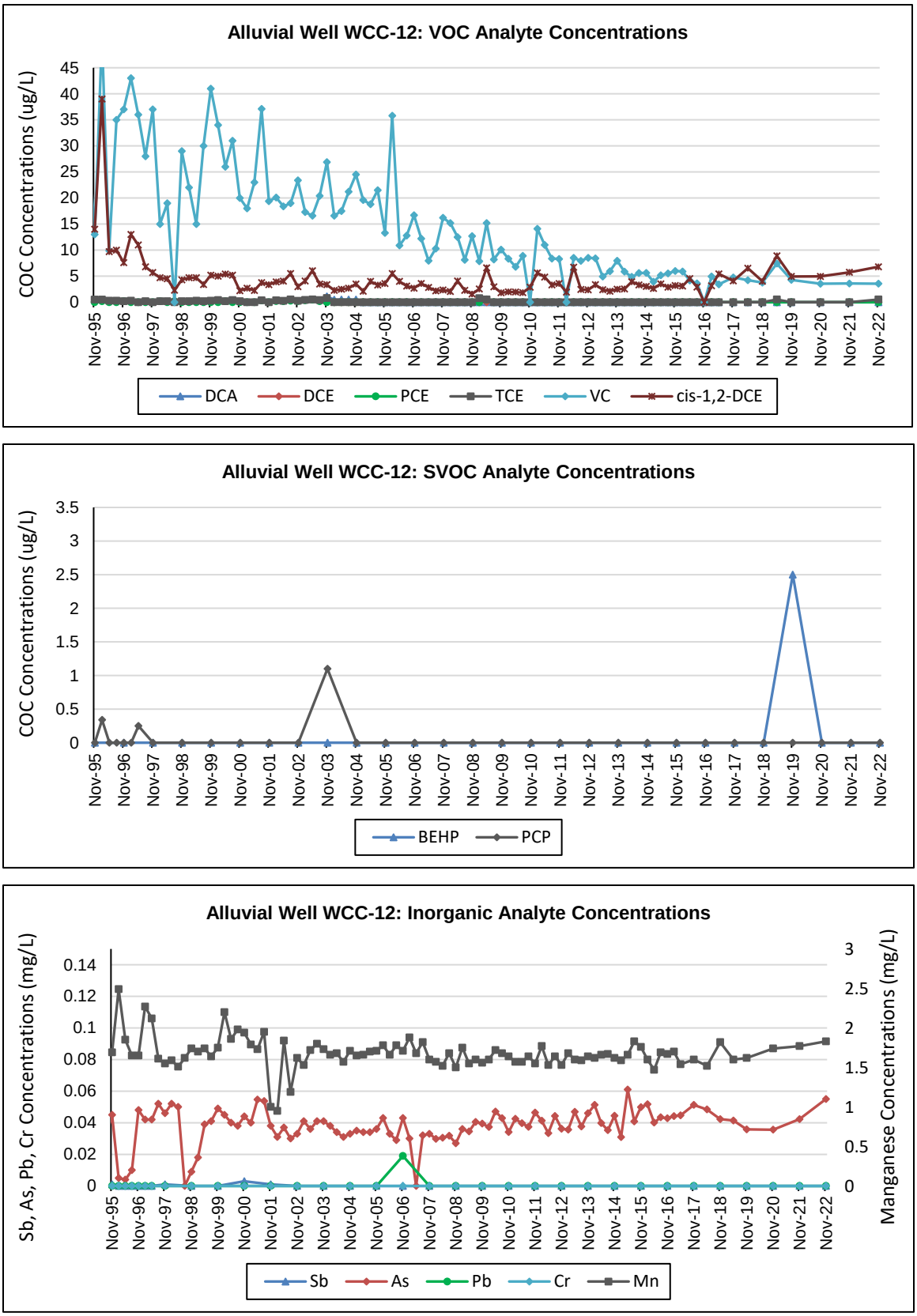
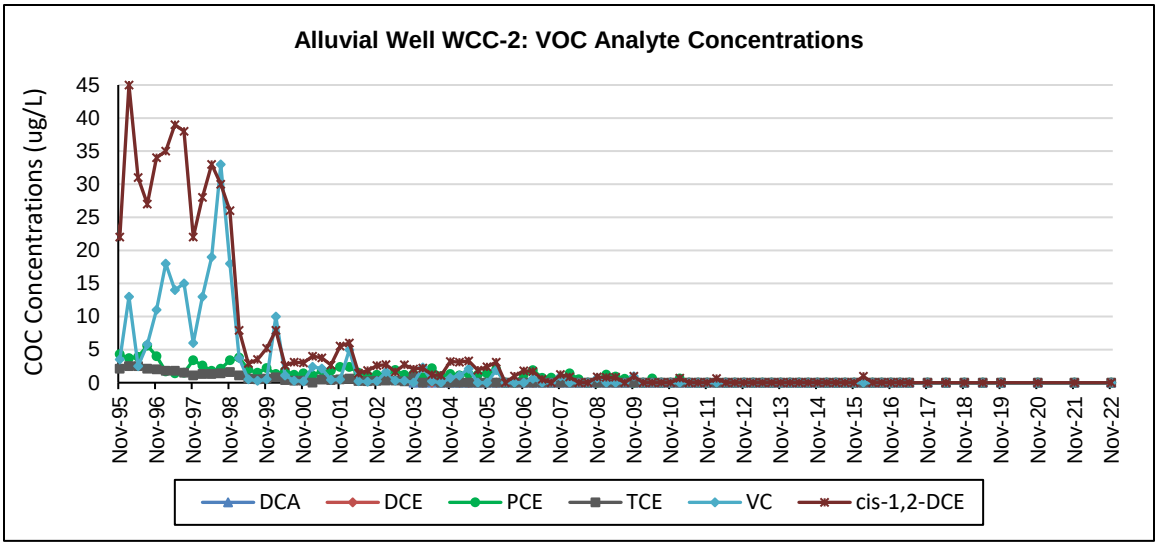
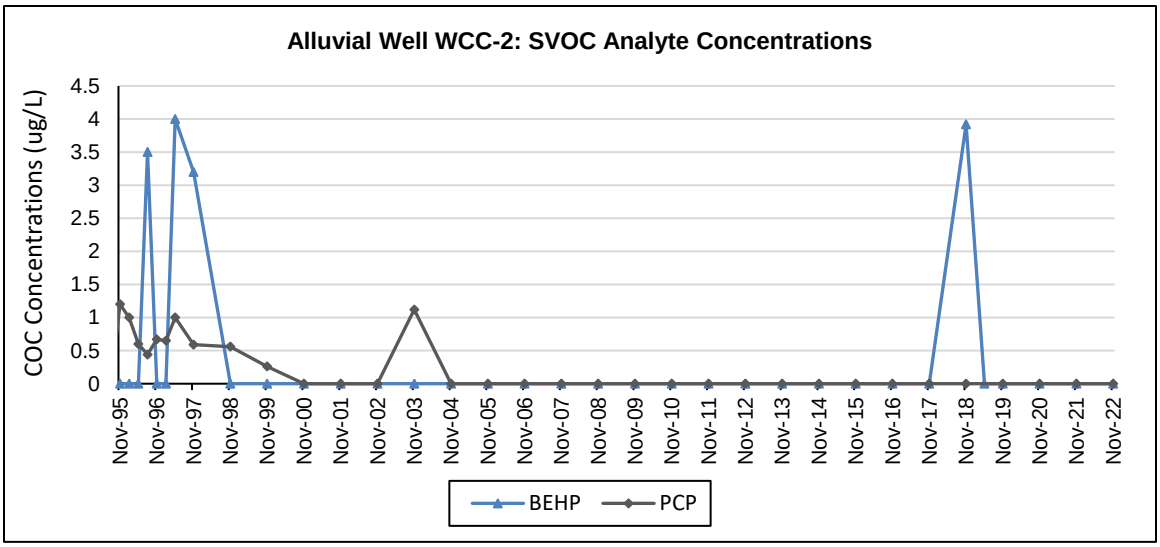


Figure 2-15: Alluvial Well WCC-2 Analyte Concentration Graphs





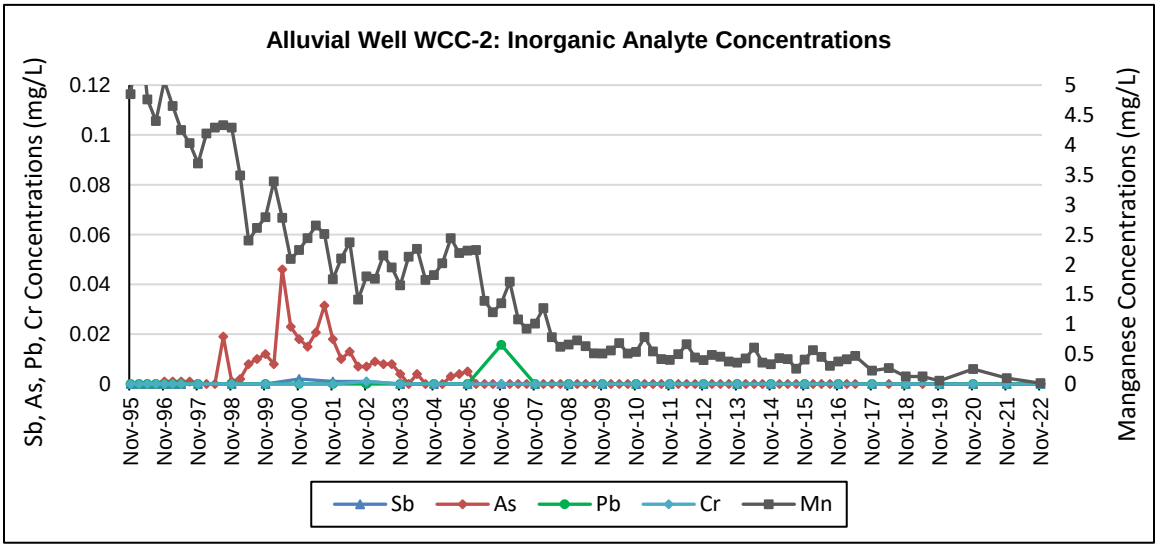
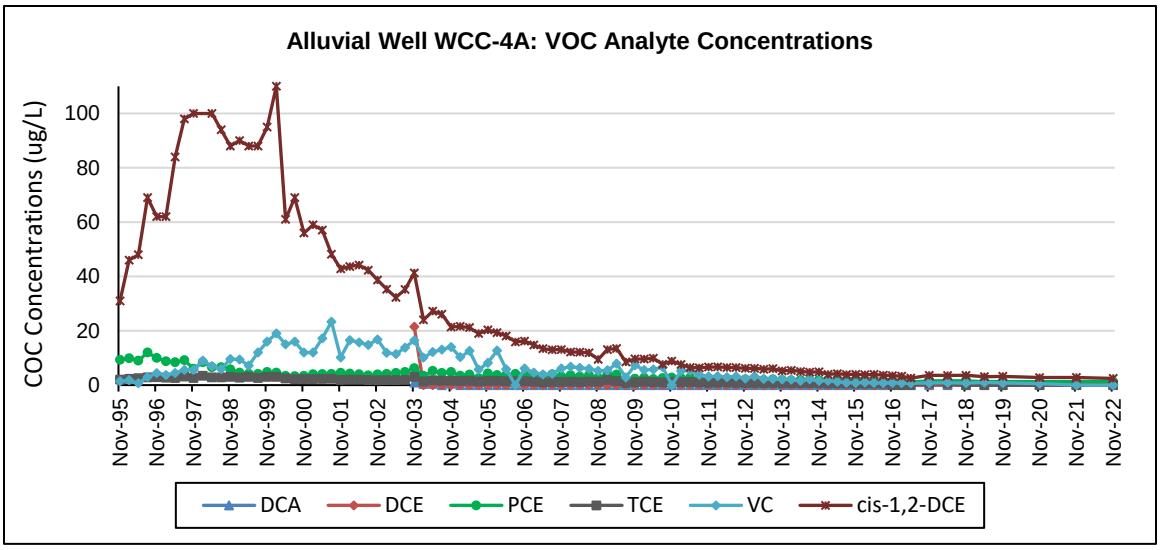
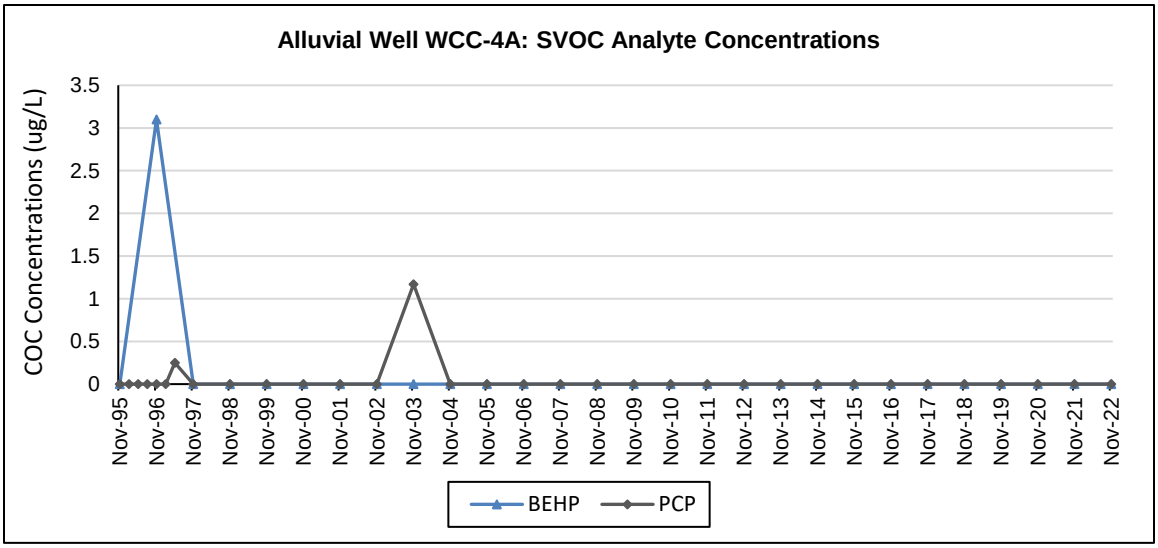
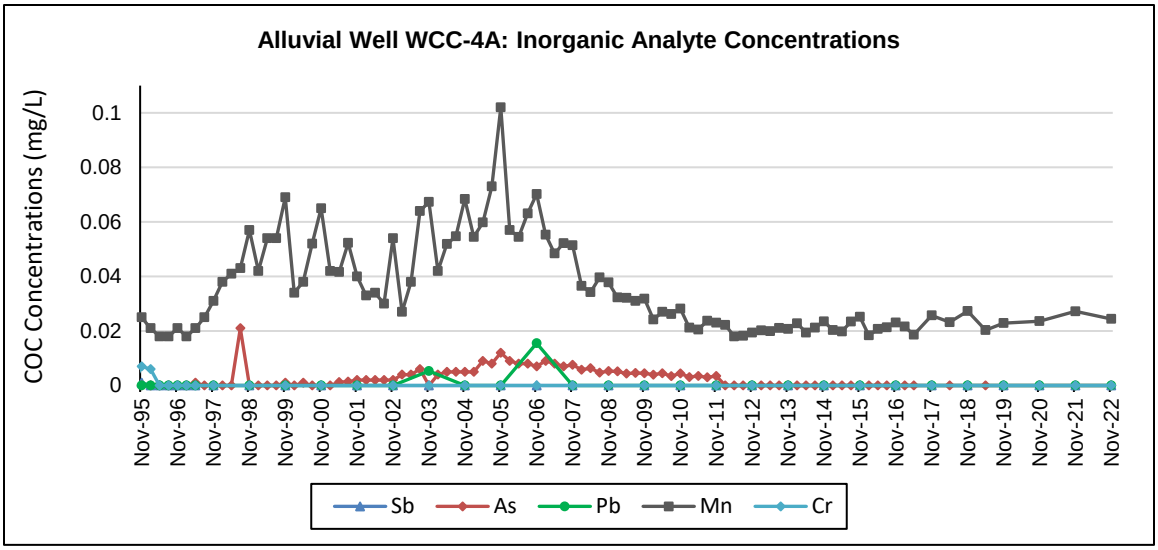


Figure 2-16: Alluvial Well WCC-4A Analyte Concentration Graphs







Alluvial Analyte Concentrations: 5-year/1-year differences:

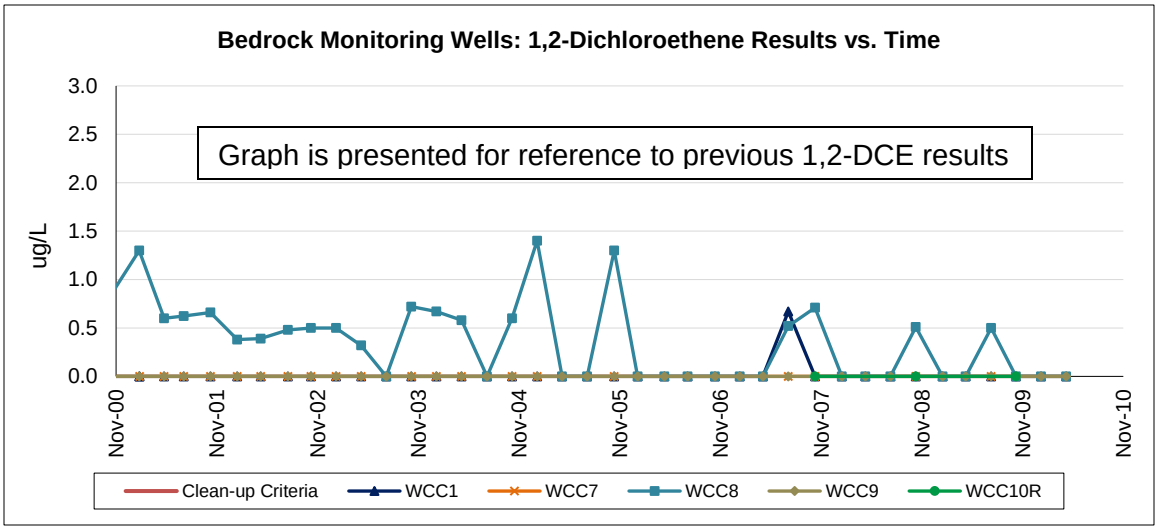
StationID	Unit	Analyte	- 5 Year Results	- 1 Year Results	Current Year Results	5-Year Difference	1-Year Difference	Units
SVA1	Alluvial Aquifer	1,2-DCA	0	0	0	0	0	ug/L
SVA1	Alluvial Aquifer	As	0	0	0	0	0	mg/L
SVA1	Alluvial Aquifer	BEHP	0	0	0	0	0	ug/L
SVA1	Alluvial Aquifer	cis-1,2-DCE	0	0	0	0	0	ug/L
SVA1	Alluvial Aquifer	Cr	0	0	0	0	0	mg/L
SVA1	Alluvial Aquifer	Mn	0	0	0	0	0	mg/L
SVA1	Alluvial Aquifer	Pb	0	0	0	0	0	mg/L
SVA1	Alluvial Aquifer	PCE	0	0	0	0	0	ug/L
SVA1	Alluvial Aquifer	PCP	0	0	0	0	0	ug/L
SVA1	Alluvial Aquifer	Sb	0	0	0	0	0	mg/L
SVA1	Alluvial Aquifer	TCE	0	0	0	0	0	ug/L
SVA1	Alluvial Aquifer	VC	0	0	0	0	0	ug/L
WCC11B	Alluvial Aquifer	1,2-DCA	0	0	0	0	0	ug/L
WCC11B	Alluvial Aquifer	As	0	0	0	0	0	mg/L
WCC11B	Alluvial Aquifer	BEHP	0	0	0	0	0	ug/L
WCC11B	Alluvial Aquifer	cis-1,2-DCE	0	0	0.55	0.55	0.55	ug/L
WCC11B	Alluvial Aquifer	Cr	0	0	0	0	0	mg/L
WCC11B	Alluvial Aquifer	Mn	0	0	0	0	0	mg/L
WCC11B	Alluvial Aquifer	Pb	0	0	0	0	0	mg/L
WCC11B	Alluvial Aquifer	PCE	8.82	7.24	9.86	1.04	2.62	ug/L
WCC11B	Alluvial Aquifer	PCP	0	0	0	0	0	ug/L
WCC11B	Alluvial Aquifer	Sb	0	0	0	0	0	mg/L
WCC11B	Alluvial Aquifer	TCE	1.08	0.86	1.07	-0.01	0.21	ug/L
WCC11B	Alluvial Aquifer	VC	0	0	0	0	0	ug/L
WCC12	Alluvial Aquifer	1,2-DCA	1.47	1.71	1.55	0.08	-0.16	ug/L
WCC12	Alluvial Aquifer	As	0.0513	0.0423	0.055	0.0037	0.0127	mg/L
WCC12	Alluvial Aquifer	BEHP	0	0	0	0	0	ug/L
WCC12	Alluvial Aquifer	cis-1,2-DCE	4.09	5.74	6.8	2.71	1.06	ug/L
WCC12	Alluvial Aquifer	Cr	0	0	0	0	0	mg/L
WCC12	Alluvial Aquifer	Mn	1.6	1.77	1.83	0.23	0.06	mg/L
WCC12	Alluvial Aquifer	Pb	0	0	0	0	0	mg/L

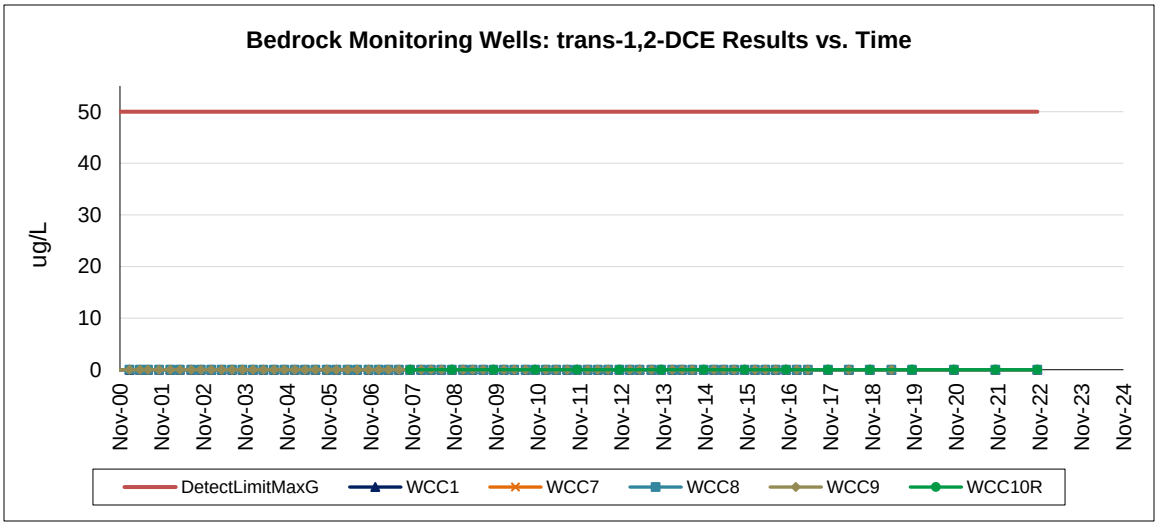
StationID	Unit	Analyte	- 5 Year Results	- 1 Year Results	Current Year Results	5-Year Difference	1-Year Difference	Units
WCC12	Alluvial Aquifer	PCE	0	0	0	0	0	ug/L
WCC12	Alluvial Aquifer	PCP	0	0	0	0	0	ug/L
WCC12	Alluvial Aquifer	Sb	0	0	0	0	0	mg/L
WCC12	Alluvial Aquifer	TCE	0	0	0.52	0.52	0.52	ug/L
WCC12	Alluvial Aquifer	VC	4.76	3.6	3.56	-1.2	-0.04	ug/L
WCC2	Alluvial Aquifer	1,2-DCA	0	0	0	0	0	ug/L
WCC2	Alluvial Aquifer	As	0	0	0	0	0	mg/L
WCC2	Alluvial Aquifer	BEHP	0	0	0	0	0	ug/L
WCC2	Alluvial Aquifer	cis-1,2-DCE	0	0	0	0	0	ug/L
WCC2	Alluvial Aquifer	Cr	0	0	0	0	0	mg/L
WCC2	Alluvial Aquifer	Mn	0.222	0.0971	0.0125	-0.2095	-0.0846	mg/L
WCC2	Alluvial Aquifer	NO3	0.881	1.39	1.47	0.589	0.08	mg/L
WCC2	Alluvial Aquifer	Pb	0	0	0	0	0	mg/L
WCC2	Alluvial Aquifer	PCE	0	0	0	0	0	ug/L
WCC2	Alluvial Aquifer	PCP	0	0	0	0	0	ug/L
WCC2	Alluvial Aquifer	Sb	0	0	0	0	0	mg/L
WCC2	Alluvial Aquifer	TCE	0	0	0	0	0	ug/L
WCC2	Alluvial Aquifer	VC	0	0	0	0	0	ug/L
WCC4A	Alluvial Aquifer	1,2-DCA	0	0	0	0	0	ug/L
WCC4A	Alluvial Aquifer	As	0	0	0	0	0	mg/L
WCC4A	Alluvial Aquifer	BEHP	0	0	0	0	0	ug/L
WCC4A	Alluvial Aquifer	cis-1,2-DCE	3.59	2.8	2.46	-1.13	-0.34	ug/L
WCC4A	Alluvial Aquifer	Cr	0	0	0	0	0	mg/L
WCC4A	Alluvial Aquifer	Mn	0.0257	0.0272	0.0244	-0.0013	-0.0028	mg/L
WCC4A	Alluvial Aquifer	Pb	0	0	0	0	0	mg/L
WCC4A	Alluvial Aquifer	PCE	1.58	1.24	1.31	-0.27	0.07	ug/L
WCC4A	Alluvial Aquifer	PCP	0	0	0	0	0	ug/L
WCC4A	Alluvial Aquifer	Sb	0	0	0	0	0	mg/L
WCC4A	Alluvial Aquifer	TCE	0.57	0	0	-0.57	0	ug/L
WCC4A	Alluvial Aquifer	VC	0.79	0	0	-0.79	0	ug/L

- 5-year results are from 2017, - 1-year results are from 2021, and current-year results are from 2022. Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.
Increases in analyte concentrations are highlighted in **RED**.
Decreases in analyte concentrations are highlighted in **BLUE**

Bedrock Monitoring Wells: VOCs/SVOCs Time-Series Graphs

Figure 2-17: Bedrock Wells – VOCs/SVOCs Concentration Graphs





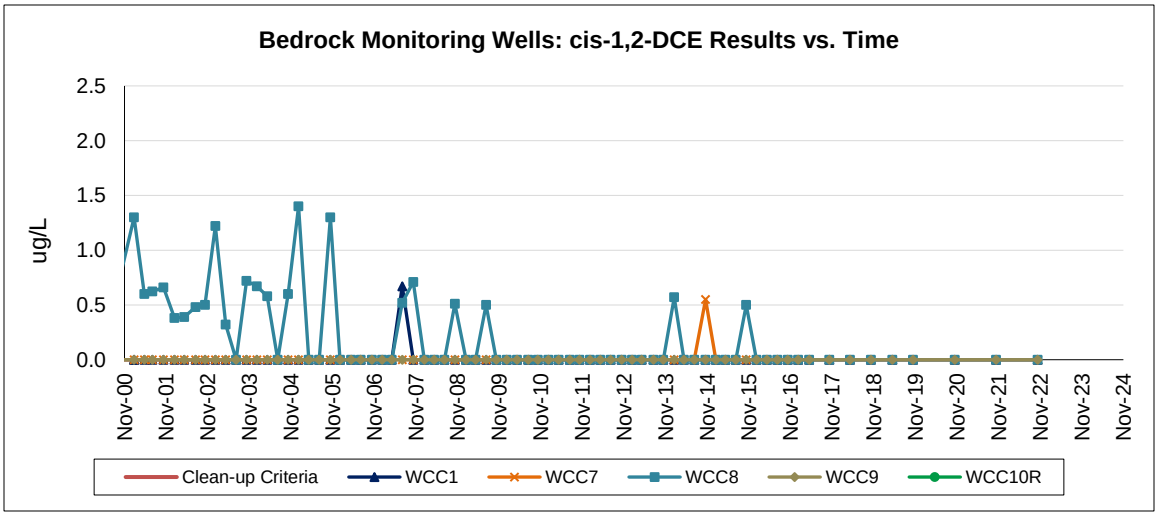
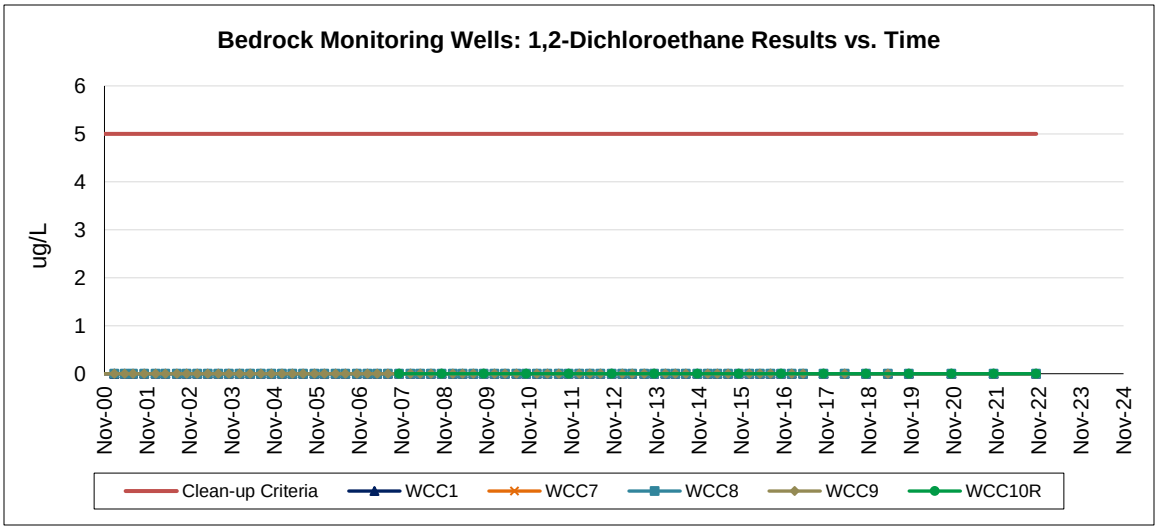
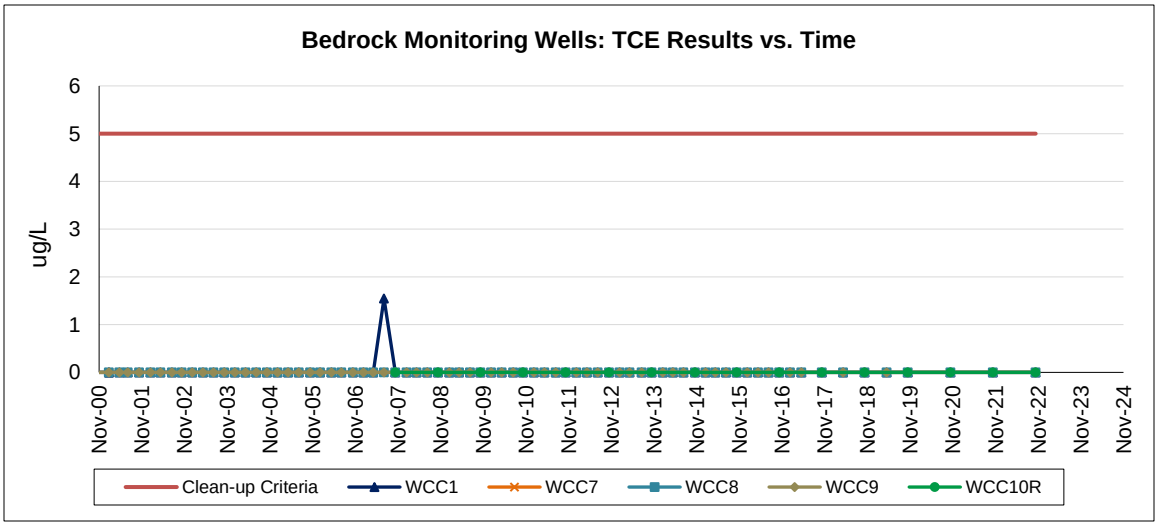


Figure 2-18: Bedrock Wells – VOCs/SVOCs Concentration Graphs (cont.)





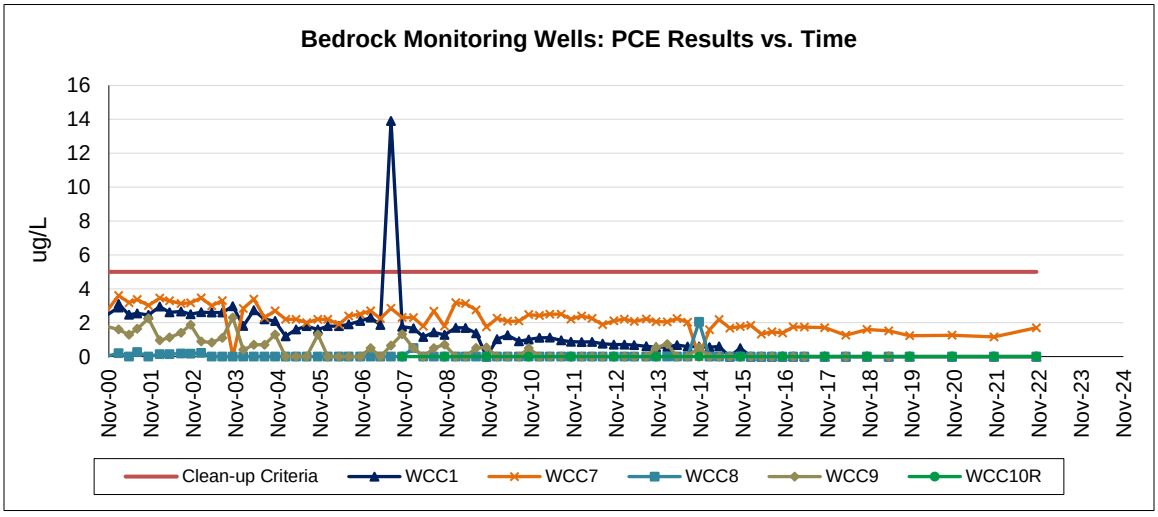
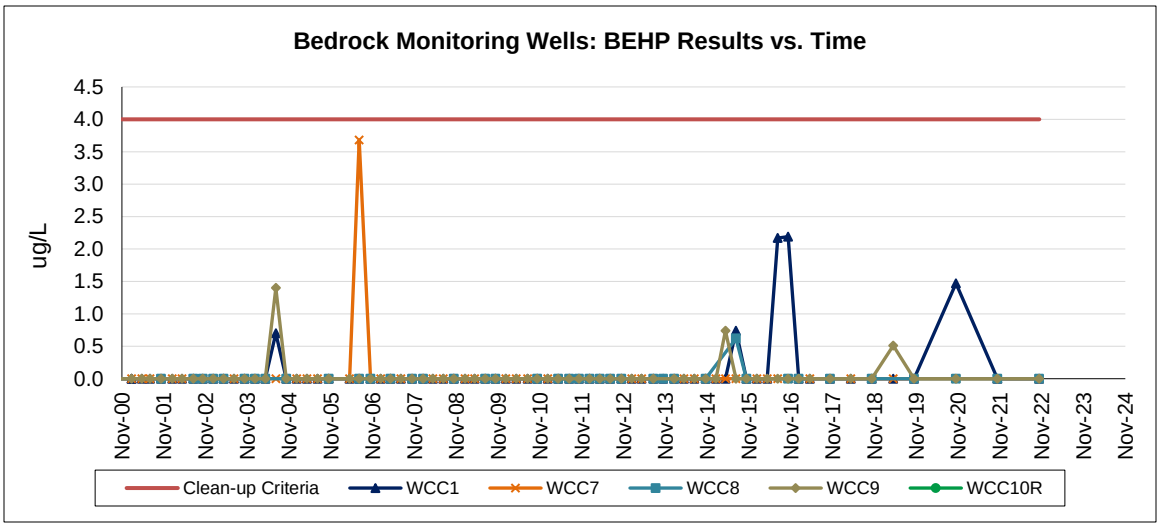
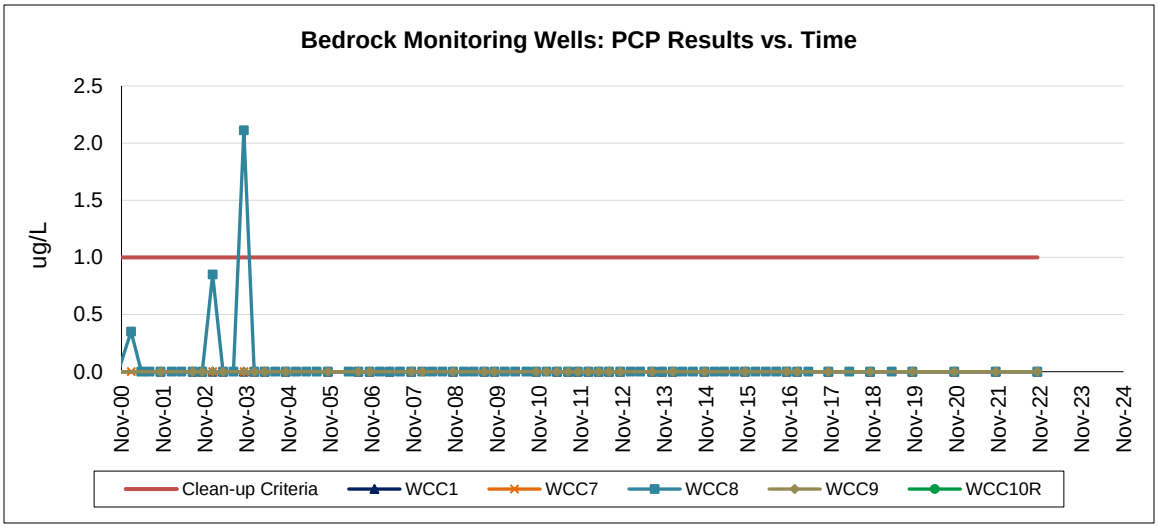


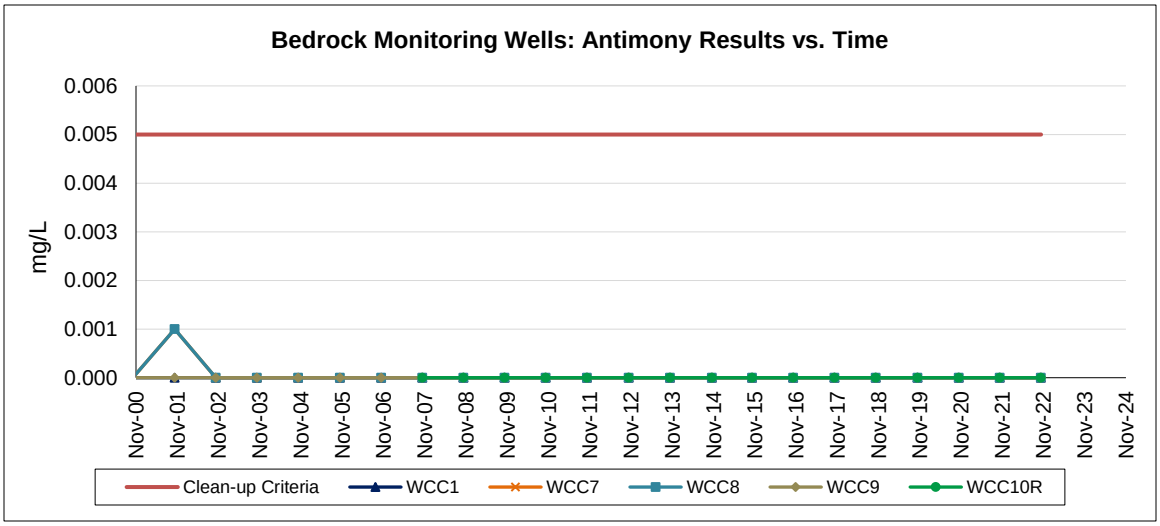
Figure 2-19: Bedrock Wells – VOCs/SVOCs Concentration Graphs (cont.)

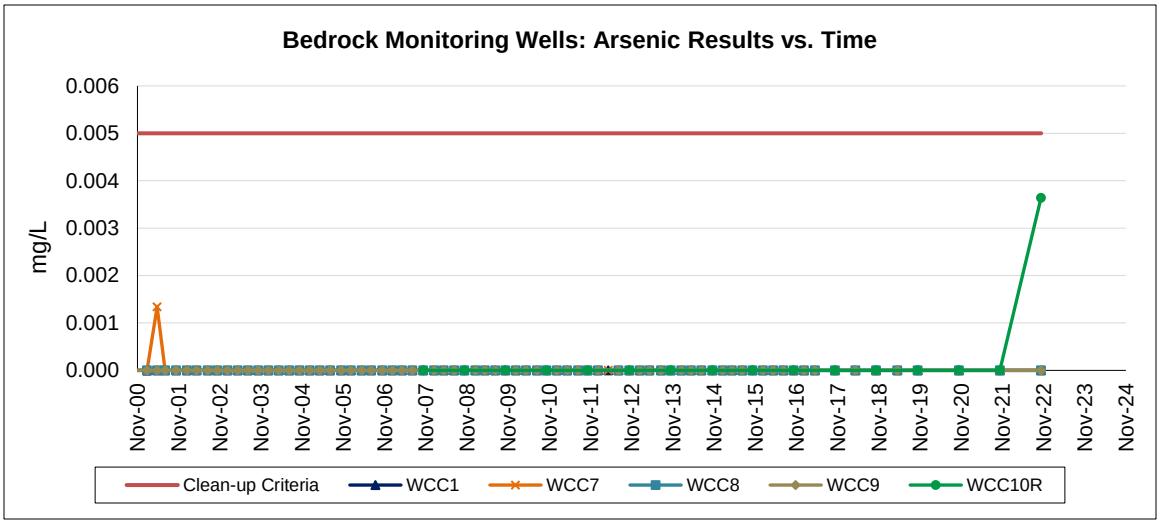




Bedrock Monitoring Wells – Inorganics Time-Series Graphs

Figure 2-20: Bedrock Wells – Inorganics Concentration Graphs





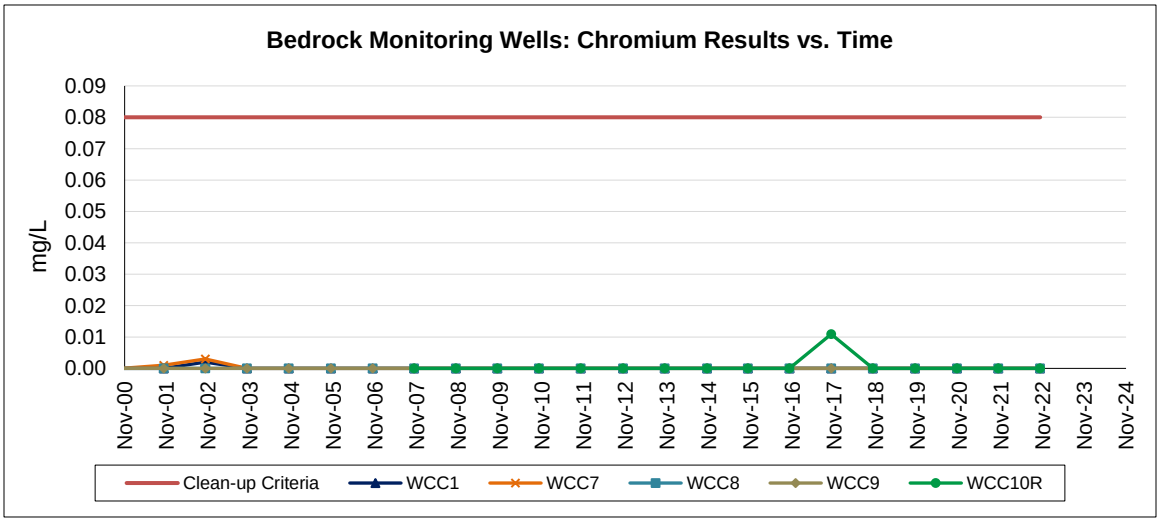
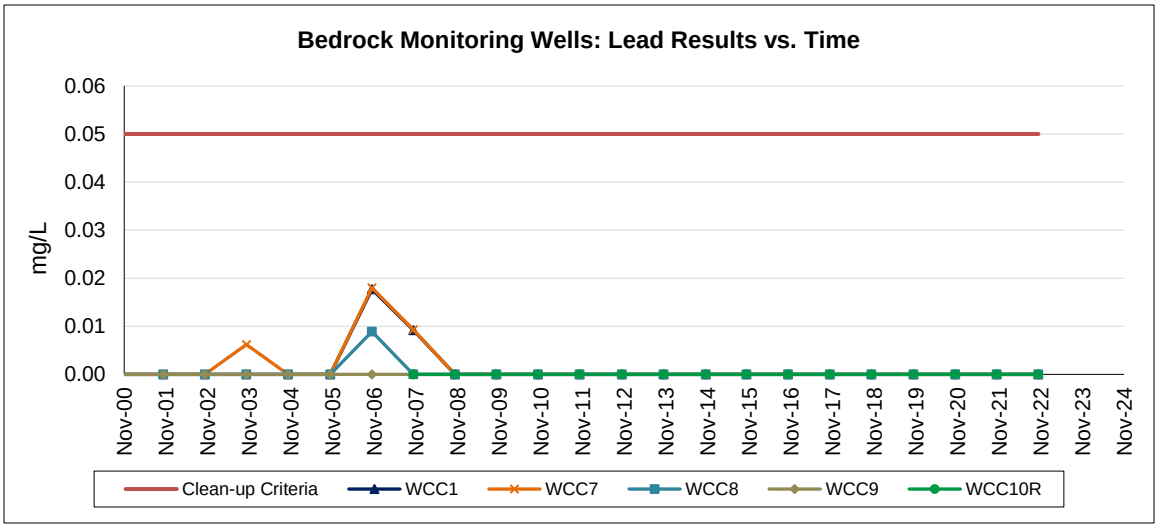
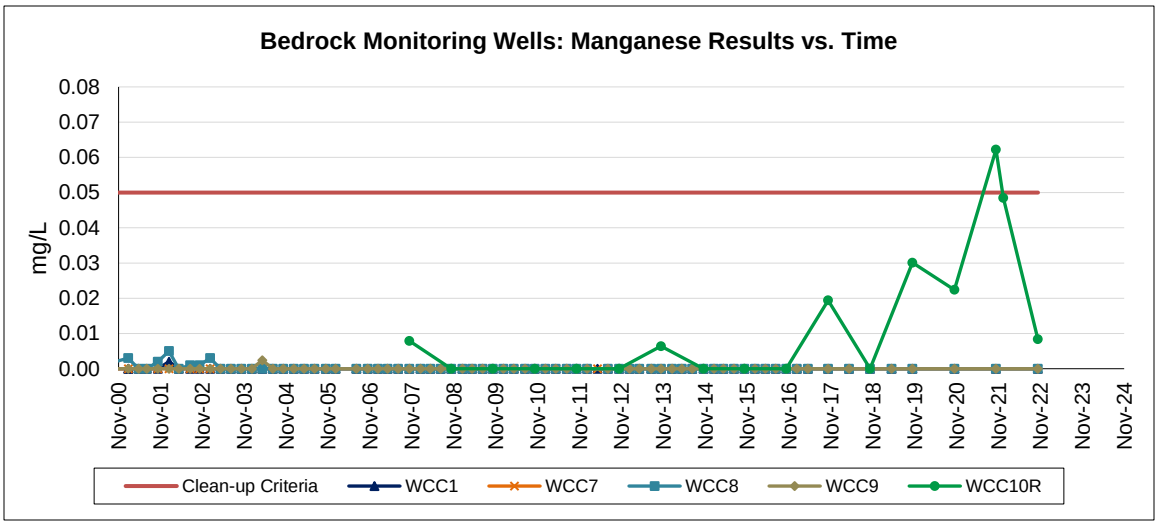


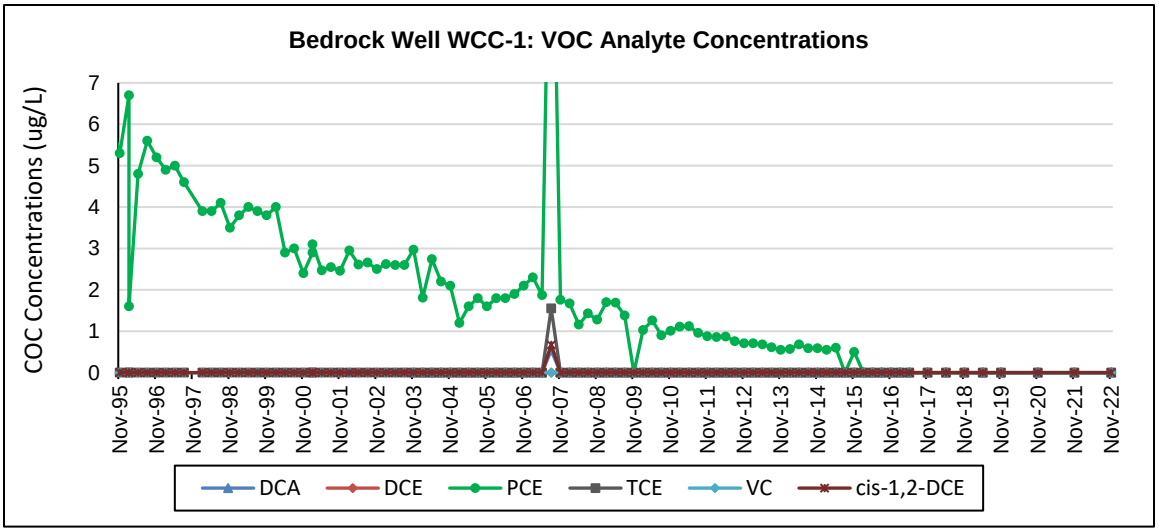
Figure 2-21: Bedrock Wells – Inorganics Concentration Graphs (cont.)

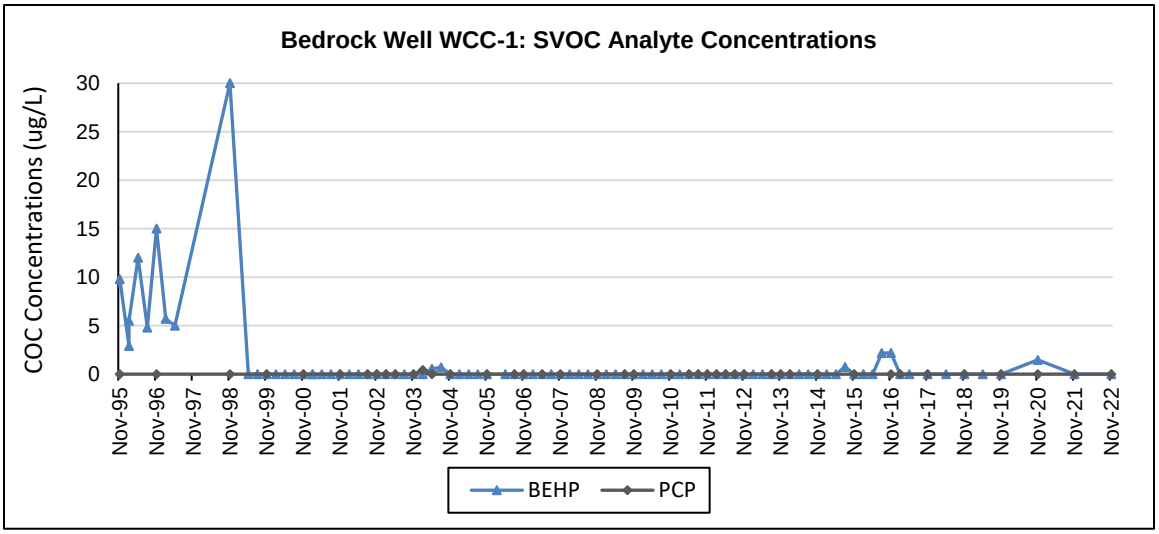




Individual Bedrock Monitoring Wells: Analyte Time-Series Graphs

Figure 2-22: Bedrock Well WCC-1 Analyte Concentration Graphs





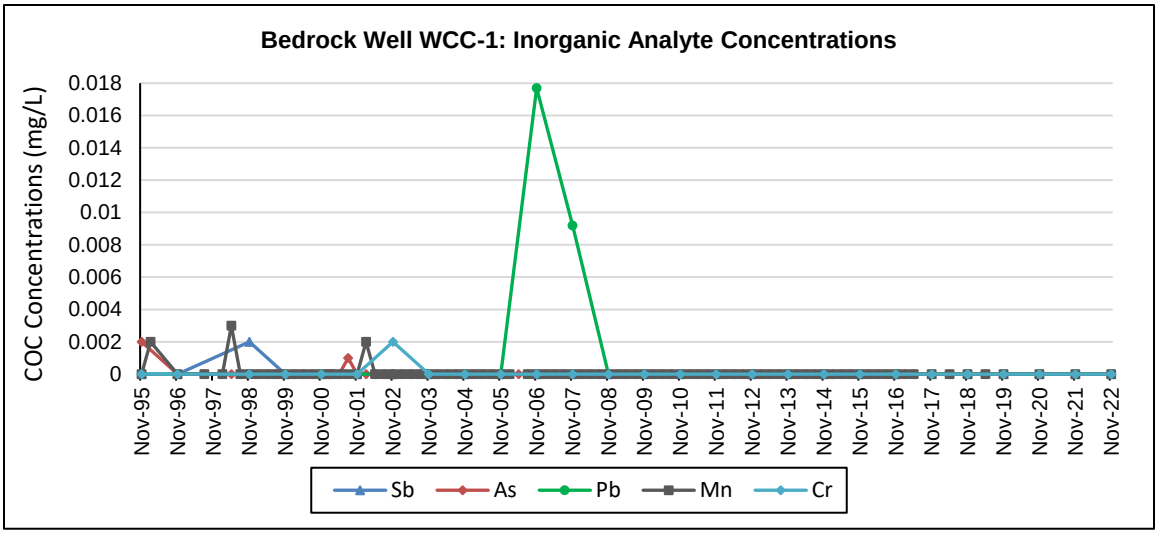
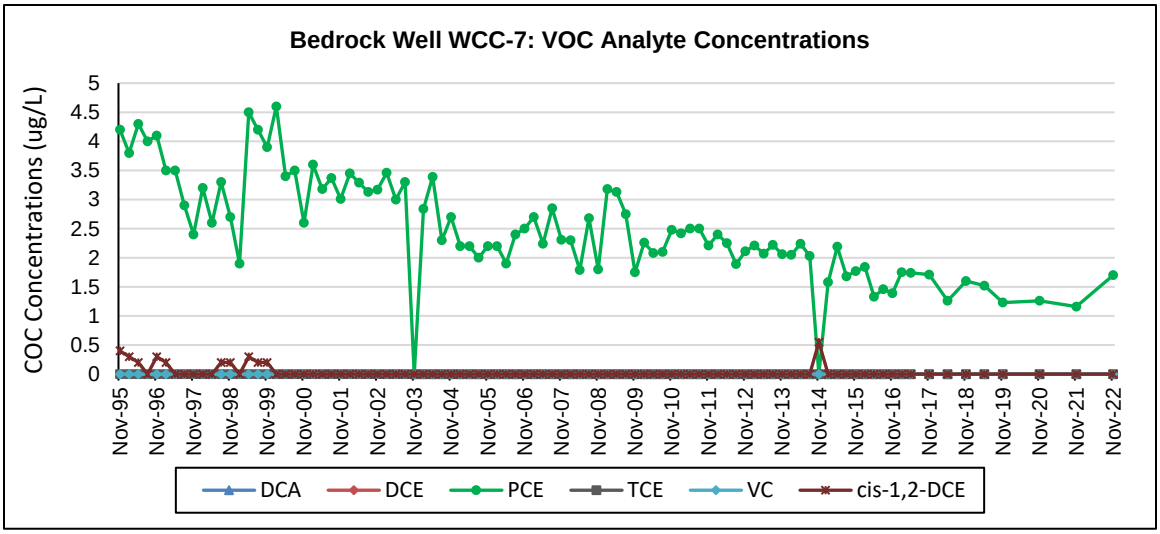
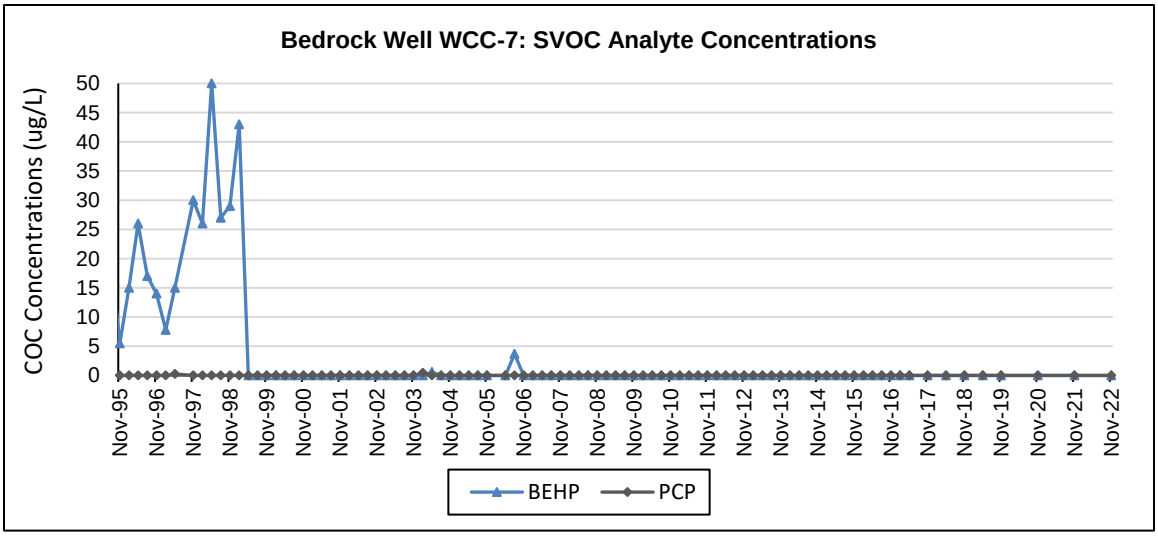


Figure 2-23: Bedrock Well WCC-7 Analyte Concentration Graphs





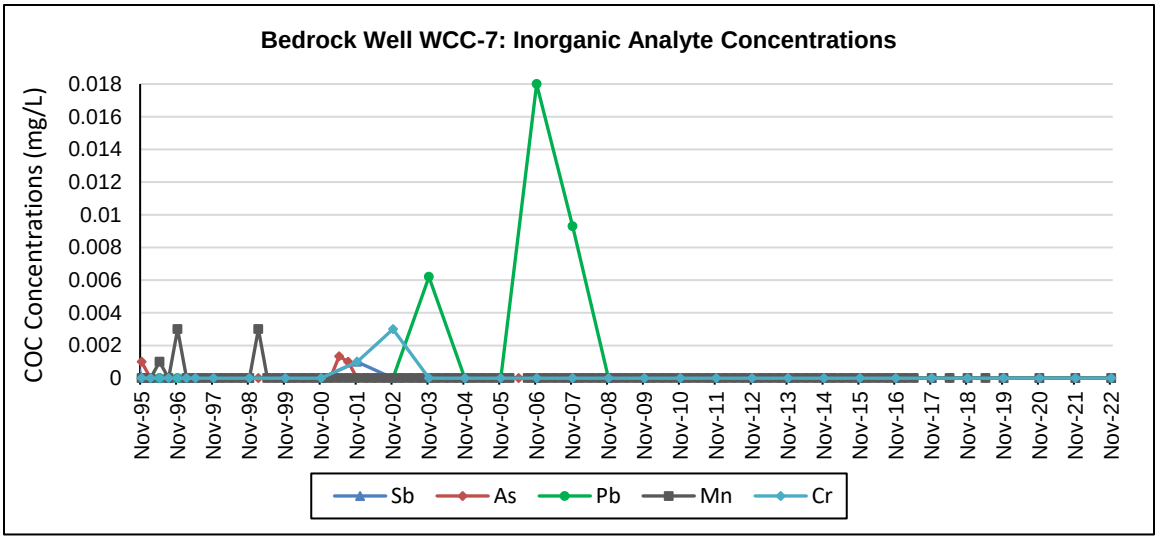
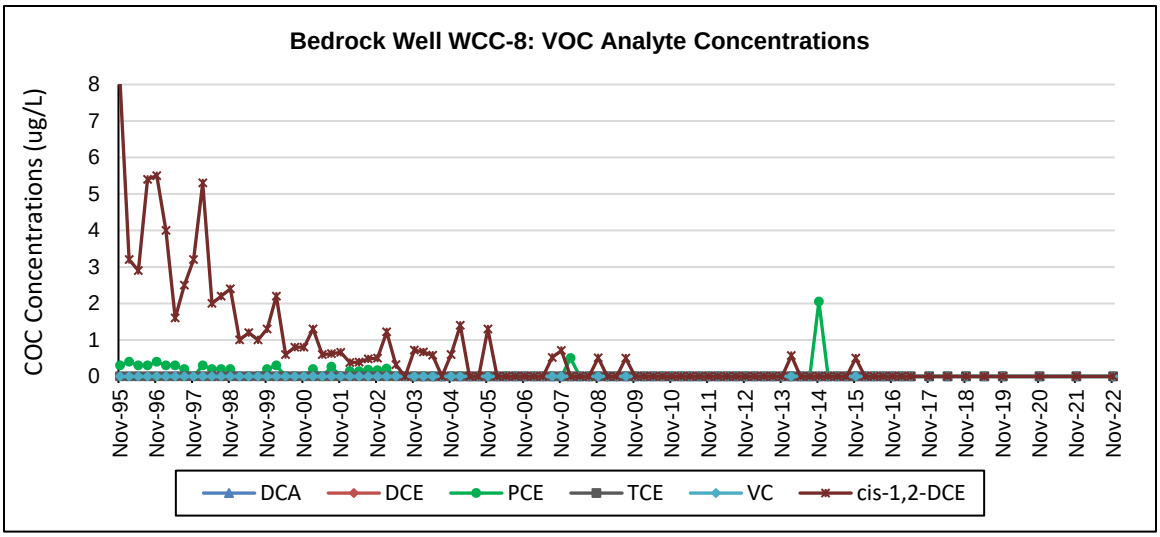
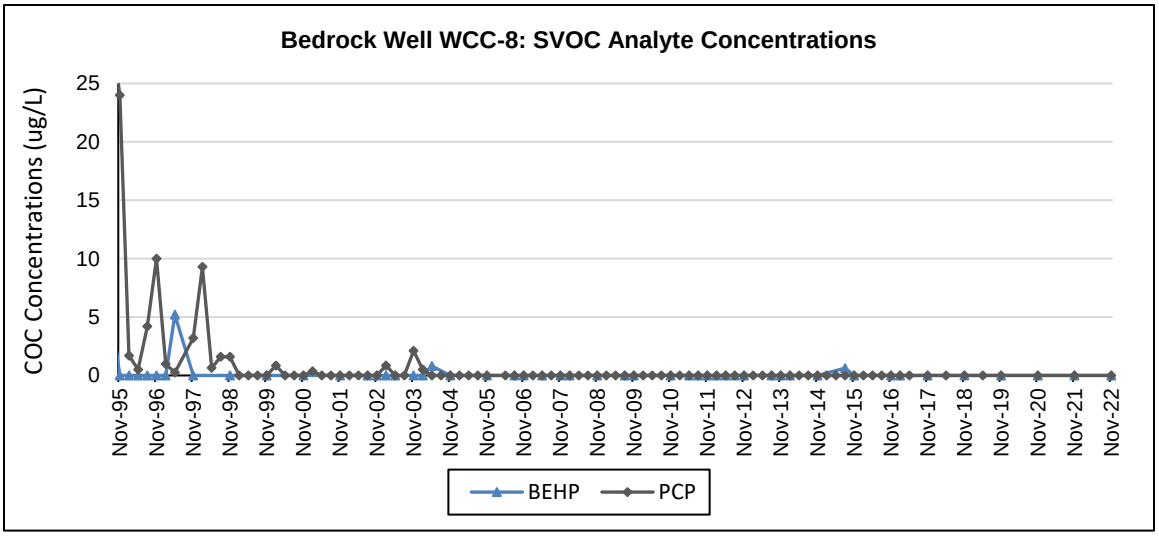


Figure 2-24: Bedrock Well WCC-8 Analyte Concentration Graphs





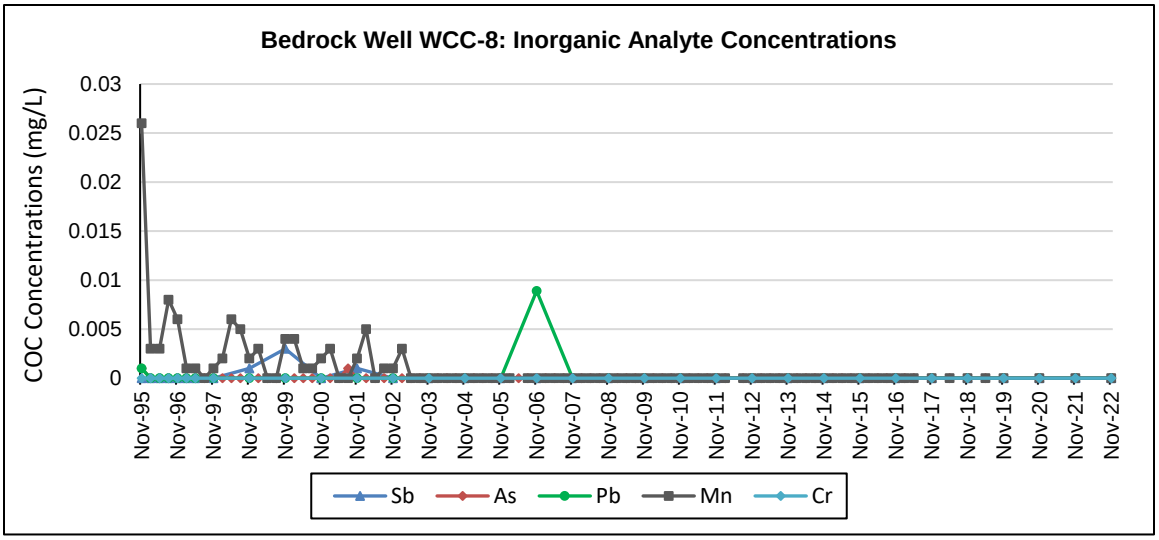
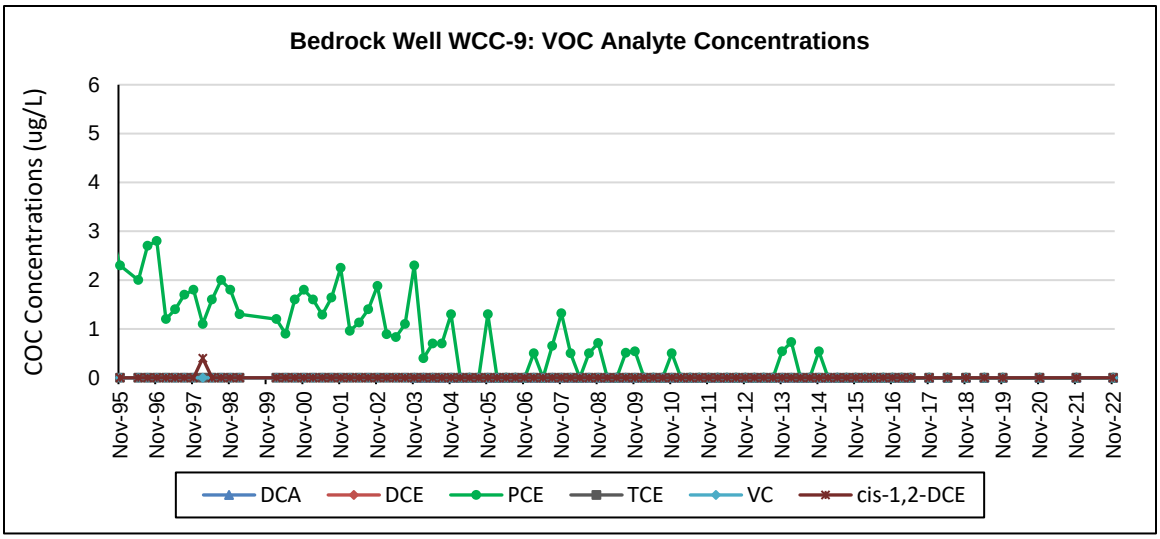
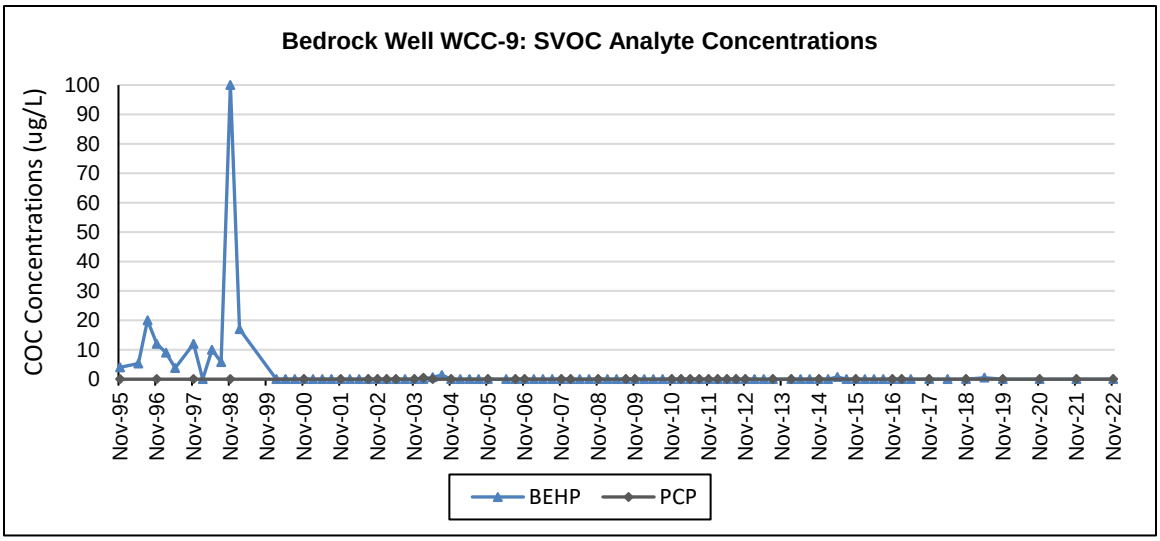


Figure 2-25: Bedrock Well WCC-9 Analyte Concentration Graphs





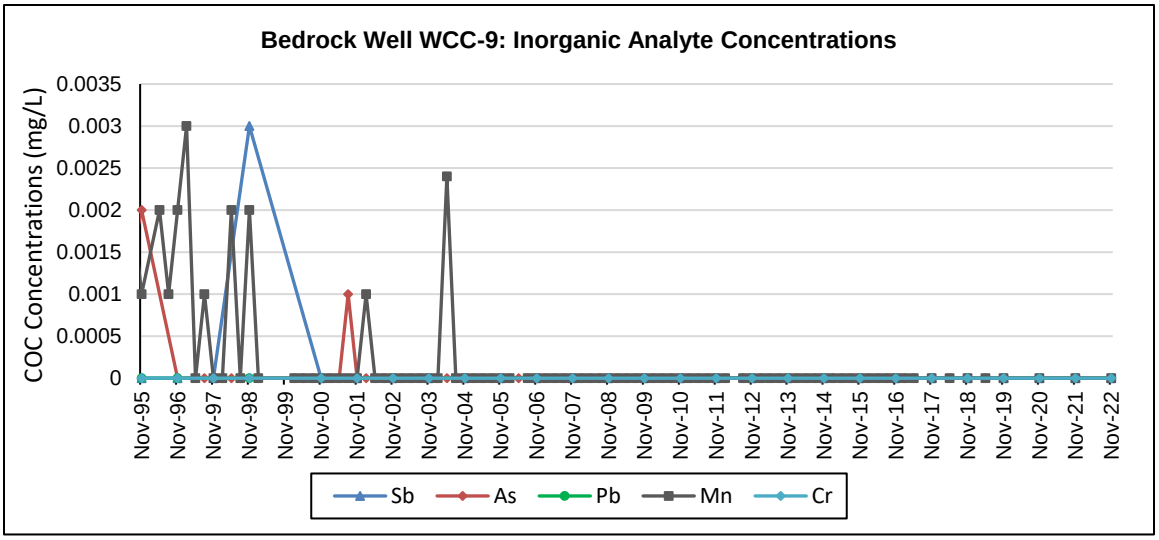
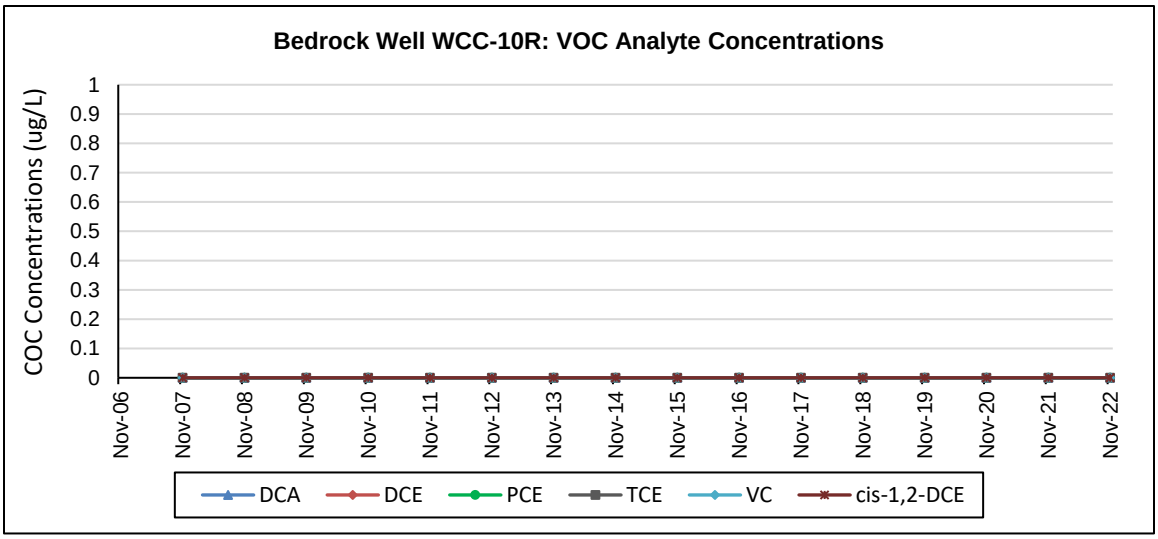
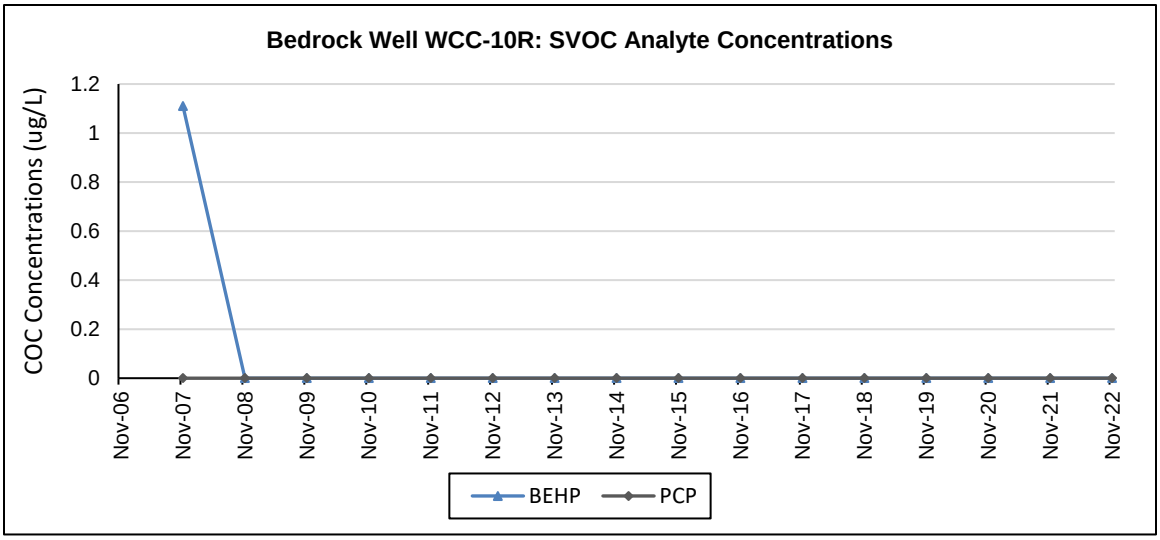
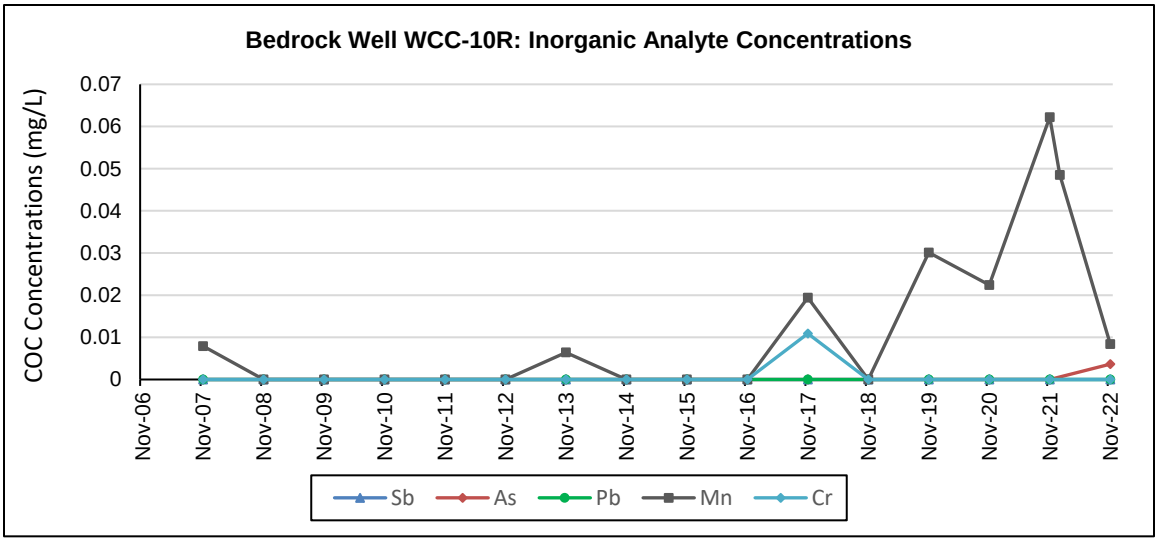


Figure 2-26: Bedrock Well WCC-10R Analyte Concentration Graphs







Bedrock Analyte Concentrations: 5-year/1-year differences:

StationID	Unit	Analyte	- 5 Year Results	- 1 Year Results	Current Year Results	5-Year Difference	1-Year Difference	Units
WCC1	Bedrock Aquifer	1,2-DCA	0	0	0	0	0	ug/L
WCC1	Bedrock Aquifer	As	0	0	0	0	0	mg/L
WCC1	Bedrock Aquifer	BEHP	0	0	0	0	0	ug/L
WCC1	Bedrock Aquifer	cis-1,2-DCE	0	0	0	0	0	ug/L
WCC1	Bedrock Aquifer	Cr	0	0	0	0	0	mg/L
WCC1	Bedrock Aquifer	Mn	0	0	0	0	0	mg/L
WCC1	Bedrock Aquifer	Pb	0	0	0	0	0	mg/L
WCC1	Bedrock Aquifer	PCE	0	0	0	0	0	ug/L
WCC1	Bedrock Aquifer	PCP	0	0	0	0	0	ug/L
WCC1	Bedrock Aquifer	Sb	0	0	0	0	0	mg/L
WCC1	Bedrock Aquifer	TCE	0	0	0	0	0	ug/L
WCC1	Bedrock Aquifer	VC	0	0	0	0	0	ug/L
WCC10R	Bedrock Aquifer	1,2-DCA	0	0	0	0	0	ug/L
WCC10R	Bedrock Aquifer	As	0	0	0.00364	**0.00364**	**0.00364**	mg/L
WCC10R	Bedrock Aquifer	BEHP	0	0	0	0	0	ug/L
WCC10R	Bedrock Aquifer	cis-1,2-DCE	0	0	0	0	0	ug/L
WCC10R	Bedrock Aquifer	Cr	0.0109	0	0	**-0.0109**	0	mg/L
WCC10R	Bedrock Aquifer	Mn	0.0194	0.0622	0.0084	**-0.011**	**-0.0538**	mg/L
WCC10R	Bedrock Aquifer	NO3	1.84	1.07	1.15	**-0.69**	**0.08**	mg/L
WCC10R	Bedrock Aquifer	Pb	0	0	0	0	0	mg/L
WCC10R	Bedrock Aquifer	PCE	0	0	0	0	0	ug/L
WCC10R	Bedrock Aquifer	PCP	0	0	0	0	0	ug/L
WCC10R	Bedrock Aquifer	Sb	0	0	0	0	0	mg/L
WCC10R	Bedrock Aquifer	TCE	0	0	0	0	0	ug/L
WCC10R	Bedrock Aquifer	VC	0	0	0	0	0	ug/L
WCC7	Bedrock Aquifer	1,2-DCA	0	0	0	0	0	ug/L
WCC7	Bedrock Aquifer	As	0	0	0	0	0	mg/L
WCC7	Bedrock Aquifer	BEHP	0	0	0	0	0	ug/L
WCC7	Bedrock Aquifer	cis-1,2-DCE	0	0	0	0	0	ug/L
WCC7	Bedrock Aquifer	Cr	0	0	0	0	0	mg/L
WCC7	Bedrock Aquifer	Mn	0	0	0	0	0	mg/L
WCC7	Bedrock Aquifer	Pb	0	0	0	0	0	mg/L

StationID	Unit	Analyte	- 5 Year Results	- 1 Year Results	Current Year Results	5-Year Difference	1-Year Difference	Units
WCC7	Bedrock Aquifer	PCE	1.71	1.16	1.7	-0.01	0.54	ug/L
WCC7	Bedrock Aquifer	PCP	0	0	0	0	0	ug/L
WCC7	Bedrock Aquifer	Sb	0	0	0	0	0	mg/L
WCC7	Bedrock Aquifer	TCE	0	0	0	0	0	ug/L
WCC7	Bedrock Aquifer	VC	0	0	0	0	0	ug/L
WCC8	Bedrock Aquifer	1,2-DCA	0	0	0	0	0	ug/L
WCC8	Bedrock Aquifer	As	0	0	0	0	0	mg/L
WCC8	Bedrock Aquifer	BEHP	0	0	0	0	0	ug/L
WCC8	Bedrock Aquifer	cis-1,2-DCE	0	0	0	0	0	ug/L
WCC8	Bedrock Aquifer	Cr	0	0	0	0	0	mg/L
WCC8	Bedrock Aquifer	Mn	0	0	0	0	0	mg/L
WCC8	Bedrock Aquifer	NO3	1.3	1.3	1.33	0.03	0.03	mg/L
WCC8	Bedrock Aquifer	Pb	0	0	0	0	0	mg/L
WCC8	Bedrock Aquifer	PCE	0	0	0	0	0	ug/L
WCC8	Bedrock Aquifer	PCP	0	0	0	0	0	ug/L
WCC8	Bedrock Aquifer	Sb	0	0	0	0	0	mg/L
WCC8	Bedrock Aquifer	TCE	0	0	0	0	0	ug/L
WCC8	Bedrock Aquifer	VC	0	0	0	0	0	ug/L
WCC9	Bedrock Aquifer	1,2-DCA	0	0	0	0	0	ug/L
WCC9	Bedrock Aquifer	As	0	0	0	0	0	mg/L
WCC9	Bedrock Aquifer	BEHP	0	0	0	0	0	ug/L
WCC9	Bedrock Aquifer	cis-1,2-DCE	0	0	0	0	0	ug/L
WCC9	Bedrock Aquifer	Cr	0	0	0	0	0	mg/L
WCC9	Bedrock Aquifer	Mn	0	0	0	0	0	mg/L
WCC9	Bedrock Aquifer	NO3	2.52	2.03	2.4	-0.12	0.37	mg/L
WCC9	Bedrock Aquifer	Pb	0	0	0	0	0	mg/L
WCC9	Bedrock Aquifer	PCE	0	0	0	0	0	ug/L
WCC9	Bedrock Aquifer	PCP	0	0	0	0	0	ug/L
WCC9	Bedrock Aquifer	Sb	0	0	0	0	0	mg/L
WCC9	Bedrock Aquifer	TCE	0	0	0	0	0	ug/L
WCC9	Bedrock Aquifer	VC	0	0	0	0	0	ug/L

- 5-year results are from 2017, - 1-year results are from 2021, and current-year results are from 2022. Analytes that exceeded clean-up criteria this reporting period are displayed in **ORANGE**.
Increases in analyte concentrations are highlighted in **RED**.
Decreases in analyte concentrations are highlighted in **BLUE**

3. GREENACRES LANDFILL GAS

Greenacres Landfill Gas Probe Locations

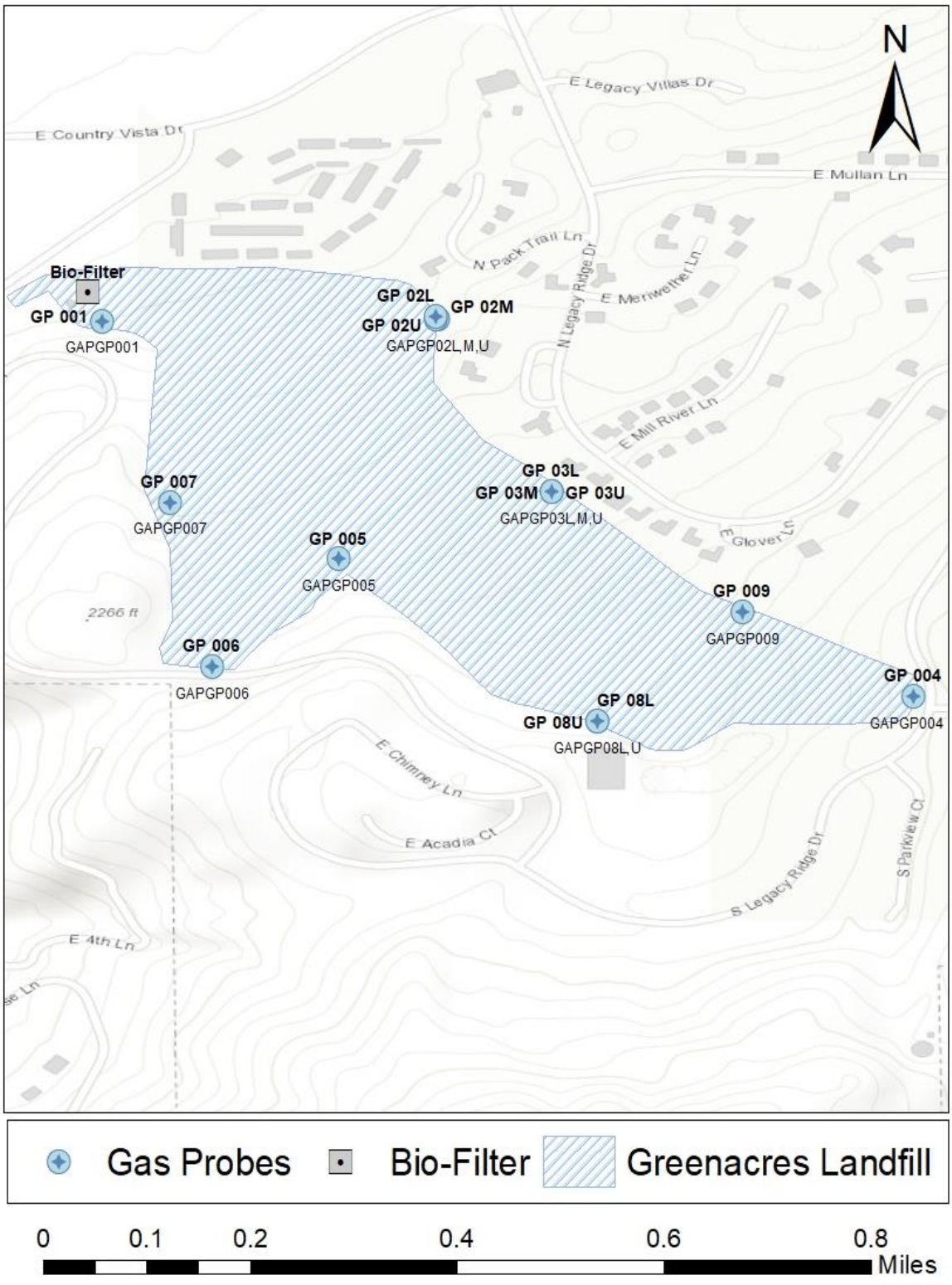


Figure 3-1: Greenacres Landfill Gas Probe Locations

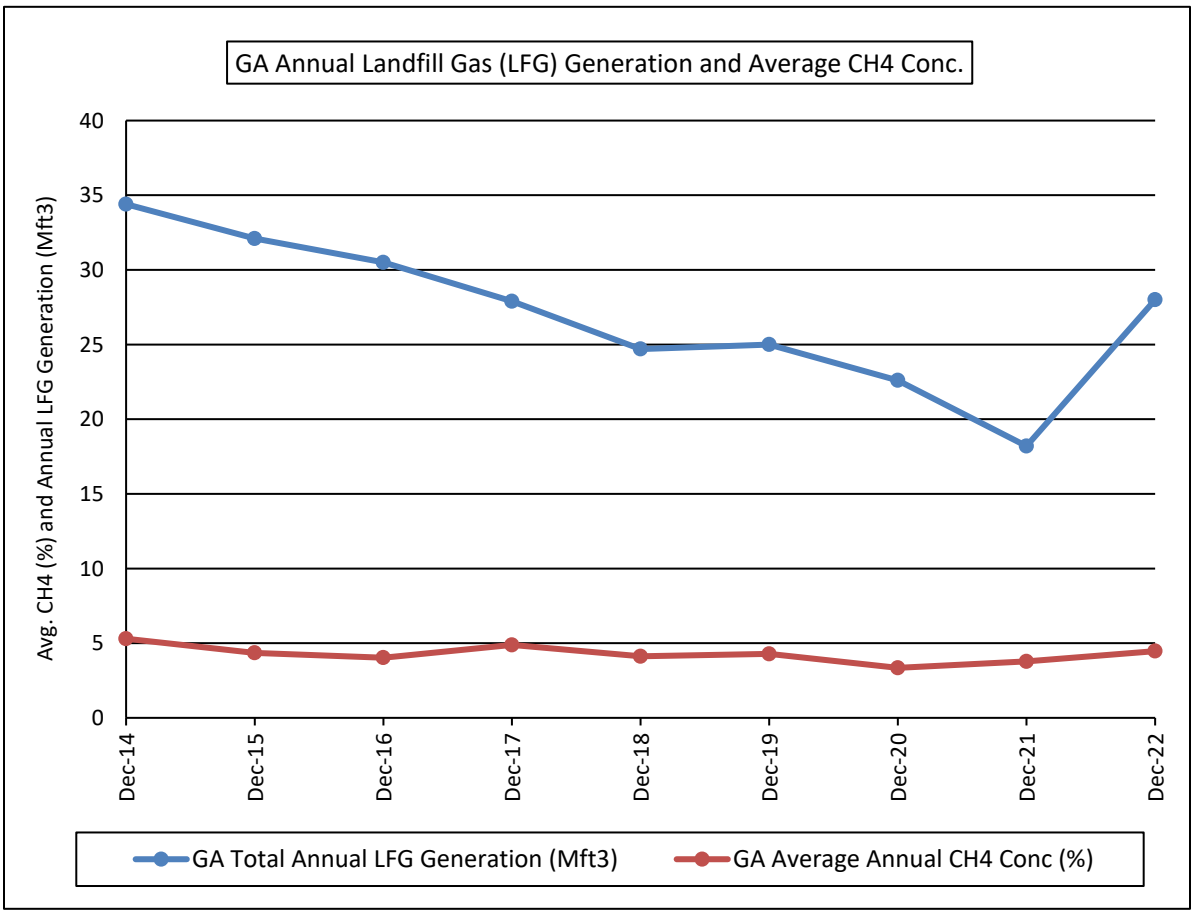
GREENACRES LANDFILL GAS SUMMARY

The Greenacres Landfill gas generation/average methane concentration summary is presented below in Table 3-1. Greenacres Landfill produced an estimated 28 million cubic feet of landfill gas in 2022. The average methane concentration was approximately 4.47%.

Landfill Gas Toxic Organics (TO-15) sampling was conducted on 3/24/2022 and TO-15 sampling results were analyzed by the Spokane Regional Clean Air Agency. All landfill gas toxic organic concentrations were below their designated criteria during this reporting period.

GREENACRES PERIMETER GAS PROBES

The perimeter gas probe summary is presented below in Table 3-2. The perimeter gas probe at the Greenacres Landfill is presented in *Appendix C: Landfill Gas Probe Measurements*.



Greenacres Landfill Gas Emission

Table 3-1: Greenacres Landfill Gas Emission Point Summary

Greenacres landfill Emission Point Summary: 2022		
Date	**Flow (cfm)**	**%CH4**
Jan	49	6.7
Feb	62	4.9
Mar	60	4.4
Apr	56	3.2
May	52	4.1
Jun	55	3.9
Jul	54	3.6
Aug	53	3.2
Sep	N/A	3.6
Oct	49	5.4
Nov	50	5.1
Dec	45	5.5
Total	585	53.6
Average	53.18	4.47
53.18	* 525,600 / 10^6 =	**28 Mft3**

Greenacres Landfill Perimeter Gas Probes

Table 3-2: Greenacres Landfill Perimeter Gas Probe Summary

Greenacres landfill Probe Summary 2022									
	CH4			CO2			O2		
Probe ID	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
GAPGP001	0.00	0.00	0.00	2.31	0.40	8.60	16.22	3.10	20.20
GAPGP004	0.00	0.00	0.00	0.61	0.20	1.80	20.23	18.80	20.60
GAPGP005	0.00	0.00	0.00	0.97	0.20	1.70	18.79	15.90	20.50
GAPGP006	0.00	0.00	0.00	0.35	0.00	1.00	20.28	19.00	20.70
GAPGP007	0.02	0.00	0.10	0.47	0.00	1.10	20.11	19.20	20.60
GAPGP009	0.00	0.00	0.00	0.18	0.00	0.40	20.47	20.20	20.80
GAPGP02L	0.00	0.00	0.00	4.05	2.50	5.30	14.83	11.80	17.00
GAPGP02M	0.00	0.00	0.00	1.02	0.70	1.30	19.60	19.10	20.10
GAPGP02U	0.00	0.00	0.00	0.50	0.10	1.00	20.21	19.50	20.60
GAPGP03L	0.00	0.00	0.00	0.87	0.60	1.40	18.31	16.40	19.40
GAPGP03M	0.00	0.00	0.00	0.45	0.10	0.60	20.05	19.90	20.50
GAPGP03U	0.00	0.00	0.00	0.18	0.00	0.40	20.41	20.00	20.70
GAPGP08L	0.00	0.00	0.00	0.05	0.00	0.20	20.58	20.10	20.90
GAPGP08U	0.00	0.00	0.00	0.53	0.00	1.30	20.13	19.00	20.70

Appendix A: Groundwater Sampling Field Sheets

GREENACRES LANDFILL
ANNUAL GROUNDWATER SAMPLING FIELD SHEET

DATE: 11/2/2022	WELL ID: SVA-1	FIELD TEAM: (MT) GF, CC
SAMPLE ID: W-SVA1-221102	QA / QC SAMPLE ID: -NA-	
FIELD CONDITIONS: CLOUDY UPPER 30'S		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME:	0730	QA / QC SAMPLE TIME:	NA
SAMPLE TIME:	0820	END TIME:	

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	472990	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):	5.5 GAL
TOTAL DEPTH OF WELL (FT):	127.00	3 CASING VOLUME (GAL):	16.5 GAL
INITIAL DEPTH TO WATER (SWL):	97.28'	PURGE RATE:	
PACKER DEPTH:			
COW (FT):	29.72'	PACKER INFORMATION:	
CALCULATION: 29.72 X 0.17 = 5.05 = 5.5 GAL (COW) (GAL)		COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)	

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

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
5.5G / 0746	11.9	8.05	174.8	CLEAR
11.0G / 0804	11.7	8.01	171.7	CLEAR
16.5G / 0818	11.6	8.00	172.6	CLEAR
/				
			TURBIDITY: 0.21	NTU (meas in field lab)

COMMENTS:

ALL FIELD PARAMTERS ARE ACCURATE AND TRUE: SIGNATURE: [signature] **DATE:** 11/2/22

ANNUAL ROUND: 11/2/2022

SAMPLE ID: GW-SVA1-221102 **SAMPLE TIME:** 0820

QA / QC SAMPLE ID: -NA- **QA / QC SAMPLE TIME:**

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethylhexyl)phthalate (BEHP)	SEMI VOLATILES (B) Pentachlorophenol (PCP)	NITRATE (NO3)	METALS (C) Arsenic (As) (Dissolved)	METALS (C) Manganese (Mn) (Dissolved)	METALS (C) Chromium (Cr) (Dissolved)	METALS (C) Lead (Pb) (Dissolved)	METALS (C) Antimony (Sb) (Dissolved)
CONTAINERS:	3-40 ml Viles	1 Liter Amber Glass	1 Liter Amber Glass	1-250 ml. Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 - 500 ml Poly Bottle	1 - 500 ml Poly Bottle
PRESERVATION:	HCl pH < 2	Unpreserved	Unpreserved	Unpreserved	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH<2 Field Filtered	HNO3 to pH<2 Field Filtered
HOLDING TIME:	14 Days	7 Days To Extract	7 Days To Extract	48 Hours to extract	6 Months	6 Months	6 Months	6 Months	6 Months
METHODS:	SW 8260B	SW 8270C	SW 8270C	300	SW 7060A	SW 6010	SW 6010	SW 6010	SW 7041
SAMPLING:	*1	*1	*1	*2	*2	*2	*2	*2	*2

(A) Tetrachlorethylene; Trichloroethylene; Vinyl Chloride; 1,2-Dichloroethane; 1,2-Dichloroethylene

(B) BEHP and PCP sampled from same 2 bottles (started filling 2 1-Liter botttles on 11/2021)

(C) All metals are sampled from same bottle

COMMENTS: ***1 - ANATEK LAB IN MOSCOW ID**

***2 - SVL IN KELLOGG ID**

GREENACRES LANDFILL
ANNUAL GROUNDWATER SAMPLING FIELD SHEET

DATE: 11/2/2022	WELL ID: WCC-1	FIELD TEAM: (MT), GF, CC
SAMPLE ID: W-WCC1-221102	QA / QC SAMPLE ID: - NA -	
FIELD CONDITIONS: CLOUDY UPPER 30'S / LOW 40'S		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME:	0942	QA / QC SAMPLE TIME:	NA
SAMPLE TIME:	1020	END TIME:	1025

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	472990	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	248	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):	95.77'	PURGE RATE:	
PACKER DEPTH:			
COW (FT):	28.23	PACKER INFORMATION:	
CALCULATION: 28.23 (COW) X 0.17 = 4.79 = 5 GAL (GAL)		COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)	

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

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
5GAL 0956	12.2	7.89	519	CLEAR
10GAL 1007	12.0	7.88	516	CLEAR
15GAL 1016	11.9	7.90	516	CLEAR
/				
			TURBIDITY: 0.27	NTU (meas in field lab)

COMMENTS: * NOTHING OUT OF THE ORDINARY OBSERVED

ALL FIELD PARAMTERS ARE ACCURATE AND TRUE: SIGNATURE: Mike Slaw DATE: 11/2/22

ANNUAL ROUND: 11/2/2022

SAMPLE ID: W-WCCI-221102 **SAMPLE TIME:** 1020

QA / QC SAMPLE ID: -NA- **QA / QC SAMPLE TIME:**

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethylhexyl)phthalate (BEHP)	SEMI VOLATILES (B) Pentachlorophenol (PCP)	NITRATE (NO3)	METALS (C) Arsenic (As) (Dissolved)	METALS (C) Manganese (Mn) (Dissolved)	METALS (C) Chromium (Cr) (Dissolved)	METALS (C) Lead (Pb) (Dissolved)	METALS (C) Antimony (Sb) (Dissolved)
CONTAINERS:	3-40 ml Viles	1 Liter Amber Glass	1 Liter Amber Glass	1-250 ml. Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 - 500 ml Poly Bottle	1 - 500 ml Poly Bottle
PRESERVATION:	HCl pH < 2	Unpreserved	Unpreserved	Unpreserved	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH<2 Field Filtered	HNO3 to pH<2 Field Filtered
HOLDING TIME:	14 Days	7 Days To Extract	7 Days To Extract	48 Hours to extract	6 Months	6 Months	6 Months	6 Months	6 Months
METHODS:	SW 8260B	SW 8270C	SW 8270C	300	SW 7060A	SW 6010	SW 6010	SW 6010	SW 7041
SAMPLING:	*1	*1	*1	*2	*2	*2	*2	*2	*2

(A) Tetrachlorethylene; Trichloroethylene; Vinyl Chloride; 1,2-Dichloroethane; 1,2-Dichloroethylene

(B) BEHP and PCP sampled from same 2 bottles (started filling 2 1-Liter botttles on 11/2021)

(C) All metals are sampled from same bottle

COMMENTS: ***1 - ANATEK LAB IN MOSCOW ID**

***2 - SVL IN KELLOGG ID**

GREENACRES LANDFILL
ANNUAL GROUNDWATER SAMPLING FIELD SHEET

DATE: 11/2/2022	WELL ID: WCC-2	FIELD TEAM: (MT), GF, CC
SAMPLE ID: W-WCC2-221102	QA / QC SAMPLE ID: ~~XX~~ -NA-	
FIELD CONDITIONS: CLOUDY UPPER 30'S / LOW 40S		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME:	0832	QA / QC SAMPLE TIME:	-NA-
SAMPLE TIME:	0915	END TIME:	0919

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	472990	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):	4.0 GAL
TOTAL DEPTH OF WELL (FT):	123.00'	3 CASING VOLUME (GAL):	12.0 GAL
INITIAL DEPTH TO WATER (SWL):	101.19'	PURGE RATE:	
PACKER DEPTH:			
COW (FT):	21.81'	PACKER INFORMATION:	
CALCULATION: 21.81' (COW) X 0.17 = 3.71 = 4.0 GAL (GAL)		COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)	

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

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
4GAL/ 0850	10.3	7.43	446	BROWN SED COLOR
8GAL/ 0904	10.1	7.47	443	" " "
12GAL/ 0911	10.0	7.46	442	SED COLOR (BROWN)
/				
			TURBIDITY: 11.21	NTU (meas in field lab)

COMMENTS: A LOT OF ROAD CONSTRUCTION, NEW OVER PASS OVER I-90. TURBIDITY IS VERY HIGH. NORM 0.20 - 0.30

ALL FIELD PARAMTERS ARE ACCURATE AND TRUE: SIGNATURE: [signature] DATE: 11/2/22

ANNUAL ROUND: 11/2/2022

SAMPLE ID: W-WCC2-221102 **SAMPLE TIME:** 0915

QA / QC SAMPLE ID: -NA- **QA / QC SAMPLE TIME:** _____

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethylhexyl)phthalate (BEHP)	SEMI VOLATILES (B) Pentachlorophenol (PCP)	NITRATE (NO3)	METALS (C) Arsenic (As) (Dissolved)	METALS (C) Manganese (Mn) (Dissolved)	METALS (C) Chromium (Cr) (Dissolved)	METALS (C) Lead (Pb) (Dissolved)	METALS (C) Antimony (Sb) (Dissolved)
CONTAINERS:	3-40 ml Viles	1 Liter Amber Glass	1 Liter Amber Glass	1-250 ml. Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 - 500 ml Poly Bottle	1 - 500 ml Poly Bottle
PRESERVATION:	HCl pH < 2	Unpreserved	Unpreserved	Unpreserved	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH<2 Field Filtered	HNO3 to pH<2 Field Filtered
HOLDING TIME:	14 Days	7 Days To Extract	7 Days To Extract	48 Hours to extract	6 Months	6 Months	6 Months	6 Months	6 Months
METHODS:	SW 8260B	SW 8270C	SW 8270C	300	SW 7060A	SW 6010	SW 6010	SW 6010	SW 7041
SAMPLING:	*1	*1	*1	*2	*2	*2	*2	*2	*2

(A) Tetrachlorethylene; Trichloroethylene; Vinyl Chloride; 1,2-Dichloroethane; 1,2-Dichloroethylene

(B) BEHP and PCP sampled from same 2 bottles (started filling 2 1-Liter botttles on 11/2021)

(C) All metals are sampled from same bottle

COMMENTS: ***1 - ANATEK LAB IN MOSCOW ID**

***2 - SVL IN KELLOGG ID**

GREENACRES LANDFILL
ANNUAL GROUNDWATER SAMPLING FIELD SHEET

DATE: 11/2/2022	WELL ID: WCC-4A	FIELD TEAM: (MT), GF, CC
SAMPLE ID: W-WCC4A-221102	QA / QC SAMPLE ID: NA	
FIELD CONDITIONS: CLOUDY SW WIND LOW 40S		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME:	1315	QA / QC SAMPLE TIME:	NA
SAMPLE TIME:	1410	END TIME:	1414

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	472990	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):	5.5 GAL
TOTAL DEPTH OF WELL (FT):	138.00	3 CASING VOLUME (GAL):	16.5 GAL
INITIAL DEPTH TO WATER (SWL):	105.74	PURGE RATE:	
PACKER DEPTH:			
COW (FT):	32.26	PACKER INFORMATION:	
CALCULATION: 32.26 (COW) X 0.17 = 5.48-5.5 GAL (GAL)		COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)	

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

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
5.5G / 1333	11.5	6.77	684	CLEAR
11.0G / 1351	11.4	6.82	692	CLEAR
16.5G / 1408	11.2	6.81	691	CLEAR
/				
			TURBIDITY: 0.36	NTU (meas in field lab)

COMMENTS: NOTHING OUT OF THE ORDINARY WAS OBSERVED

ALL FIELD PARAMTERS ARE ACCURATE AND TRUE: SIGNATURE: Mike Sloan DATE: 11/2/22

ANNUAL ROUND: 11/2/2022

SAMPLE ID: GW-WCC4A-221102 **SAMPLE TIME:** 1410

QA / QC SAMPLE ID: - NA - **QA / QC SAMPLE TIME:** —

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethylhexyl)phthalate (BEHP)	SEMI VOLATILES (B) Pentachlorophenol (PCP)	NITRATE (NO3)	METALS (C) Arsenic (As) (Dissolved)	METALS (C) Manganese (Mn) (Dissolved)	METALS (C) Chromium (Cr) (Dissolved)	METALS (C) Lead (Pb) (Dissolved)	METALS (C) Antimony (Sb) (Dissolved)
CONTAINERS:	3-40 ml Viles	1 Liter Amber Glass	1 Liter Amber Glass	1-250 ml. Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 - 500 ml Poly Bottle	1 - 500 ml Poly Bottle
PRESERVATION:	HCl pH < 2	Unpreserved	Unpreserved	Unpreserved	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH<2 Field Filtered	HNO3 to pH<2 Field Filtered
HOLDING TIME:	14 Days	7 Days To Extract	7 Days To Extract	48 Hours to extract	6 Months	6 Months	6 Months	6 Months	6 Months
METHODS:	SW 8260B	SW 8270C	SW 8270C	300	SW 7060A	SW 6010	SW 6010	SW 6010	SW 7041
SAMPLING:	*1	*1	*1	*2	*2	*2	*2	*2	*2

(A) Tetrachlorethylene; Trichloroethylene; Vinyl Chloride; 1,2-Dichloroethane; 1,2-Dichloroethylene

(B) BEHP and PCP sampled from same 2 bottles (started filling 2 1-Liter botttles on 11/2021)

(C) All metals are sampled from same bottle

COMMENTS: ***1 - ANATEK LAB IN MOSCOW ID**

***2 - SVL IN KELLOGG ID**

GREENACRES LANDFILL
ANNUAL GROUNDWATER SAMPLING FIELD SHEET

DATE: 11/2/2022	WELL ID: WCC-7	FIELD TEAM: MT, GF, CC
SAMPLE ID: W-WCC7-221102	QA / QC SAMPLE ID: N/A	
FIELD CONDITIONS: ~~Partly~~ Cloudy, 38°F		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1341	QA / QC SAMPLE TIME: N/A
SAMPLE TIME: 1356	END TIME: 1408

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	476085	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	7810	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR	Slope Ind	23474	

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 3
TOTAL DEPTH OF WELL (FT): 86.10	3 CASING VOLUME (GAL): 9
INITIAL DEPTH TO WATER (SWL): 70.96	PURGE RATE: N/A
PACKER DEPTH: N/A	
COW (FT): 15.04	PACKER INFORMATION:
CALCULATION: 15.04 (COW) X 0.17 = 2.6 → 2.75 (GAL)	COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)

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

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
2.75 / 1346	11.6	7.66	738	clear / odorless
5.5 / 1350	11.8	7.52	738	clear / odorless
8.25 / 1354	11.7	7.49	763	clear / odorless
/				
			TURBIDITY: 0.13	NTU (meas in field lab)

COMMENTS:

ALL FIELD PARAMTERS ARE ACCURATE AND TRUE: SIGNATURE: [signature] DATE: 11/02/22

ANNUAL ROUND: 11/2/2022

SAMPLE ID: W-WCC7-221102 **SAMPLE TIME:** 1356

QA / QC SAMPLE ID: N/A **QA / QC SAMPLE TIME:** N/A

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethylhexyl)phthalate (BEHP)	SEMI VOLATILES (B) Pentachlorophenol (PCP)	NITRATE (NO3)	METALS (C) Arsenic (As) (Dissolved)	METALS (C) Manganese (Mn) (Dissolved)	METALS (C) Chromium (Cr) (Dissolved)	METALS (C) Lead (Pb) (Dissolved)	METALS (C) Antimony (Sb) (Dissolved)
CONTAINERS:	3-40 ml Viles	1 Liter Amber Glass	1 Liter Amber Glass	1-250 ml. Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 - 500 ml Poly Bottle	1 - 500 ml Poly Bottle
PRESERVATION:	HCl pH < 2	Unpreserved	Unpreserved	Unpreserved	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH<2 Field Filtered	HNO3 to pH<2 Field Filtered
HOLDING TIME:	14 Days	7 Days To Extract	7 Days To Extract	48 Hours to extract	6 Months	6 Months	6 Months	6 Months	6 Months
METHODS:	SW 8260B	SW 8270C	SW 8270C	300	SW 7060A	SW 6010	SW 6010	SW 6010	SW 7041
SAMPLING:	*1	*1	*1	*2	*2	*2	*2	*2	*2

(A) Tetrachlorethylene; Trichloroethylene; Vinyl Chloride; 1,2-Dichloroethane; 1,2-Dichloroethylene

(B) BEHP and PCP sampled from same 2 bottles (started filling 2 1-Liter botttles on 11/2021)

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
ANNUAL GROUNDWATER SAMPLING FIELD SHEET

DATE: 11/2/2022	WELL ID: WCC 8	FIELD TEAM: MT, GF, CC
SAMPLE ID: W-WCCB-221102		QA / QC SAMPLE ID: MS/MSD here
FIELD CONDITIONS: Cldy,		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1138	QA / QC SAMPLE TIME: NA
SAMPLE TIME: 1220	END TIME:

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	476085	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	7810	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR	Slope Ind	23474	

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 2.5
TOTAL DEPTH OF WELL (FT): 111.0'	3 CASING VOLUME (GAL): 7.5
INITIAL DEPTH TO WATER (SWL): 59.90'	PURGE RATE:
PACKER DEPTH: 97.0'	
COW (FT): 14.0'	PACKER INFORMATION:
CALCULATION: 14.0 (COW) X 0.17 = 2.4 use 2.5 gal/vol (GAL)	COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)

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

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
2.5 / 1153	10.9	6.77	147.3	Clear
5.0 / 1207	10.9	6.71	141.9	Clear
7.5 / 1218	11.0	6.76	140.9	clear
/				
			TURBIDITY: 0.47	NTU (meas in field lab)

COMMENTS:

ALL FIELD PARAMTERS ARE ACCURATE AND TRUE: SIGNATURE:_____ DATE:_____

ANNUAL ROUND: 11/2/2022

SAMPLE ID: W-WCSB-221102 **SAMPLE TIME:**_____

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

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethylhexyl)phthalate (BEHP)	SEMI VOLATILES (B) Pentachlorophenol (PCP)	NITRATE (NO3)	METALS (C) Arsenic (As) (Dissolved)	METALS (C) Manganese (Mn) (Dissolved)	METALS (C) Chromium (Cr) (Dissolved)	METALS (C) Lead (Pb) (Dissolved)	METALS (C) Antimony (Sb) (Dissolved)
CONTAINERS:	3-40 ml Viles	1 Liter Amber Glass	1 Liter Amber Glass	1-250 ml. Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 - 500 ml Poly Bottle	1 - 500 ml Poly Bottle
PRESERVATION:	HCl pH < 2	Unpreserved	Unpreserved	Unpreserved	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH<2 Field Filtered	HNO3 to pH<2 Field Filtered
HOLDING TIME:	14 Days	7 Days To Extract	7 Days To Extract	48 Hours to extract	6 Months	6 Months	6 Months	6 Months	6 Months
METHODS:	SW 8260B	SW 8270C	SW 8270C	300	SW 7060A	SW 6010	SW 6010	SW 6010	SW 7041
SAMPLING:	*1	*1	*1	*2	*2	*2	*2	*2	*2

(A) Tetrachlorethylene; Trichloroethylene; Vinyl Chloride; 1,2-Dichloroethane; 1,2-Dichloroethylene

(B) BEHP and PCP sampled from same 2 bottles (started filling 2 1-Liter botttles on 11/2021)

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
ANNUAL GROUNDWATER SAMPLING FIELD SHEET 2021

DATE: 11/2/2021	WELL ID: WCC09	FIELD TEAM: MT, GF, [redacted] CC
SAMPLE ID: WCC09-221102	QA / QC SAMPLE ID: N/A	
FIELD CONDITIONS: Cloudy / Rain, 38°F		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME:	1027	QA / QC SAMPLE TIME:	N/A
SAMPLE TIME:	1047	END TIME:	1055

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	476085	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	7810	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 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):	30.28	PURGE RATE:	N/A
PACKER DEPTH:	N/A		
COW ABOVE PACKER (FT):	N/A	PACKER INFORMATION:	
CALCULATION:		COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)	
14.72 X 0.17 = 2.5 → 2.75			
(COW)	(GAL)		

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

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
2.75 / 10:31	10.6	6.50	134.7	Very light tan
5.5 / 10:35	10.9	6.40	132.7	Very light tan
8.25 / 10:40	10.3	6.34	111.2*	clear
11 / 10:45	10.8	6.38	139.3	clear
			TURBIDITY: 0.41	NTU (meas in field lab)

COMMENTS: * Air trapped during conductivity measurement. Bad Valve.

11-02-22

ANNUAL ROUND: November 2021

SAMPLE ID: WCC09-221102 **SAMPLE TIME:** 1047

QA / QC SAMPLE ID: N/A **QA / QC SAMPLE TIME:** N/A

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethylhexyl)phthalate (BEHP)	SEMI VOLATILES (B) Pentachlorophenol (PCP)	NITRATE (NO3)	METALS (C) Arsenic (As) (Dissolved)	METALS (C) Manganese (Mn) (Dissolved)	METALS (C) Chromium (Cr) (Dissolved)	METALS (C) Lead (Pb) (Dissolved)	METALS (C) Antimony (Sb) (Dissolved)
CONTAINERS:	3-40 ml Viles	1 Liter Amber Glass	1 Liter Amber Glass	1-250 ml. Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 - 500 ml Poly Bottle	1 - 500 ml Poly Bottle
PRESERVATION:	HCl pH < 2	Unpreserved	Unpreserved	Unpreserved	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH<2 Field Filtered	HNO3 to pH<2 Field Filtered
HOLDING TIME:	14 Days	7 Days To Extract	7 Days To Extract	48 Hours to extract	6 Months	6 Months	6 Months	6 Months	6 Months
METHODS:	SW 8260B	SW 8270C	SW 8270C	300	SW 7060A	SW 6010	SW 6010	SW 6010	SW 7041
SAMPLING:	*1	*1	*1	*2	*2	*2	*2	*2	*2

(A) Tetrachlorethylene; Trichloroethylene; Vinyl Chloride; 1,2-Dichloroethane; 1,2-Dichloroethylene

(B) BEHP and PCP sampled from same 2 bottles (started filling 2 1-Liter botttles on 11/2021)

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
ANNUAL GROUNDWATER SAMPLING FIELD SHEET

DATE: 11/2/2022	WELL ID: WCC10R	FIELD TEAM: MT (GF, CC)
SAMPLE ID: W-WCC10R-221102	QA / QC SAMPLE ID: N/A	
FIELD CONDITIONS: Cloudy / Rain, 38°F		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 0810		QA / QC SAMPLE TIME: N/A	
SAMPLE TIME: 0937		END TIME: 0943	

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	476085	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	7810	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 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):	0.00	PURGE RATE:	N/A
PACKER DEPTH:	N/A		
COW (FT):	N/A	PACKER INFORMATION:	
CALCULATION: 41.40 X 0.17 = 7.038 (COW) (GAL)		COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)	

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

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
7 / 0810	11.0	8.28	~~158~~ 1707	Light Tan
14 / 0854	10.9	8.15	163.1	Light Tan
21 / 0931	10.6	8.05	163.5	Light Tan
/				
			TURBIDITY: 5.61	NTU (meas in field lab)

COMMENTS: SURFACE WATER IN MANHOLE S.W.L @ 0.00 ~~FEET~~.
PURGE 3 WELL VOLUME @ 21 GAL TO MAKE SURE WE SAMPLE GW ~~RIGHT~~ HAVE TO RESAMPLE

ALL FIELD PARAMTERS ARE ACCURATE AND TRUE: SIGNATURE: _____ DATE: 11/02/22

ANNUAL ROUND: 11/2/2022

SAMPLE ID: WCC10R **SAMPLE TIME:** 0933

QA / QC SAMPLE ID: WCC10R-221102 **QA / QC SAMPLE TIME:** N/A

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethylhexyl)phthalate (BEHP)	SEMI VOLATILES (B) Pentachlorophenol (PCP)	NITRATE (NO3)	METALS (C) Arsenic (As) (Dissolved)	METALS (C) Manganese (Mn) (Dissolved)	METALS (C) Chromium (Cr) (Dissolved)	METALS (C) Lead (Pb) (Dissolved)	METALS (C) Antimony (Sb) (Dissolved)
CONTAINERS:	3-40 ml Viles	1 Liter Amber Glass	1 Liter Amber Glass	1-250 ml. Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 - 500 ml Poly Bottle	1 - 500 ml Poly Bottle
PRESERVATION:	HCl pH < 2	Unpreserved	Unpreserved	Unpreserved	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH<2 Field Filtered	HNO3 to pH<2 Field Filtered
HOLDING TIME:	14 Days	7 Days To Extract	7 Days To Extract	48 Hours to extract	6 Months	6 Months	6 Months	6 Months	6 Months
METHODS:	SW 8260B	SW 8270C	SW 8270C	300	SW 7060A	SW 6010	SW 6010	SW 6010	SW 7041
SAMPLING:	*1	*1	*1	*2	*2	*2	*2	*2	*2

(A) Tetrachlorethylene; Trichloroethylene; Vinyl Chloride; 1,2-Dichloroethane; 1,2-Dichloroethylene

(B) BEHP and PCP sampled from same 2 bottles (started filling 2 1-Liter botttles on 11/2021)

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
ANNUAL GROUNDWATER SAMPLING FIELD SHEET

DATE: 11/2/2022	WELL ID: WCC-11B	FIELD TEAM: (MT), GF, CC
SAMPLE ID: W-WCC11B-221102	QA / QC SAMPLE ID: WS-1-1-221102	
FIELD CONDITIONS: CLOUDY LOW 40's SW WIND		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME:	1046	QA / QC SAMPLE TIME:	1300
SAMPLE TIME:	1320	END TIME:	1330

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	472990	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):	7.5 GAL
TOTAL DEPTH OF WELL (FT):	140.00'	3 CASING VOLUME (GAL):	22.5 GAL
INITIAL DEPTH TO WATER (SWL):	97.24'	PURGE RATE:	
PACKER DEPTH:			
COW (FT):	42.76	PACKER INFORMATION:	
CALCULATION: 42.76 (COW) X 0.17 = 7.26≈7.5 (GAL)		COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)	

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

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
7.5G / 1136	12.6	7.37	731	CLEAR
15.0G / 1231	12.1	7.41	727	CLEAR
22.5G / 1320	11.9	7.42	726	CLEAR
/				
			TURBIDITY: 0.24	NTU (meas in field lab)

COMMENTS: WCC-11A WL = 97.36'
ROAD CONSTRUCTION 200' EAST OF WELL

ALL FIELD PARAMTERS ARE ACCURATE AND TRUE: SIGNATURE: [signature] DATE: 11/2/22

*DUPE TAKEN HERE

ANNUAL ROUND: 11/2/2022

SAMPLE ID: W-WCC11B-221102 **SAMPLE TIME:** 1320

QA / QC SAMPLE ID: ~~WSA~~ WS-1-1-221102 **QA / QC SAMPLE TIME:** 1300

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethylhexyl)phthalate (BEHP)	SEMI VOLATILES (B) Pentachlorophenol (PCP)	NITRATE (NO3)	METALS (C) Arsenic (As) (Dissolved)	METALS (C) Manganese (Mn) (Dissolved)	METALS (C) Chromium (Cr) (Dissolved)	METALS (C) Lead (Pb) (Dissolved)	METALS (C) Antimony (Sb) (Dissolved)
CONTAINERS:	3-40 ml Viles	1 Liter Amber Glass	1 Liter Amber Glass	1-250 ml. Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 - 500 ml Poly Bottle	1 - 500 ml Poly Bottle
PRESERVATION:	HCl pH < 2	Unpreserved	Unpreserved	Unpreserved	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH<2 Field Filtered	HNO3 to pH<2 Field Filtered
HOLDING TIME:	14 Days	7 Days To Extract	7 Days To Extract	48 Hours to extract	6 Months	6 Months	6 Months	6 Months	6 Months
METHODS:	SW 8260B	SW 8270C	SW 8270C	300	SW 7060A	SW 6010	SW 6010	SW 6010	SW 7041
SAMPLING:	*1	*1	*1	*2	*2	*2	*2	*2	*2

(A) Tetrachlorethylene; Trichloroethylene; Vinyl Chloride; 1,2-Dichloroethane; 1,2-Dichloroethylene

(B) BEHP and PCP sampled from same 2 bottles (started filling 2 1-Liter botttles on 11/2021)

(C) All metals are sampled from same bottle

COMMENTS: ***1 - ANATEK LAB IN MOSCOW ID**

***2 - SVL IN KELLOGG ID**

*DUPE TAKEN HERE, FILLED 1 EXTRA SET OF BOTTLES FOR EACH PARAMETER ABOVE.

GREENACRES LANDFILL
ANNUAL GROUNDWATER SAMPLING FIELD SHEET

DATE: 11/3/2022	WELL ID: WCC-12	FIELD TEAM: (MT), GF, CC
SAMPLE ID: W-WCC12-221103	QA / QC SAMPLE ID: -NA-	
FIELD CONDITIONS: CLOUDY MID-30S		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME:	0915	QA / QC SAMPLE TIME:	-NA-
SAMPLE TIME:	1000	END TIME:	1004

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	472990	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):	2 GAL
TOTAL DEPTH OF WELL (FT):	106.00'	3 CASING VOLUME (GAL):	6 GAL
INITIAL DEPTH TO WATER (SWL):	96.91'	PURGE RATE:	
PACKER DEPTH:			
COW (FT):	9.09'	PACKER INFORMATION:	
CALCULATION: 9.09' (COW) X 0.17 = 1.54 = 2 GAL (GAL)		COW X .433 X 1.25 + 30 = PACKER INFLATION (PSI)	

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

VOL. PURGED(GAL) / TIME	TEMP °C	pH	CONDUCTIVITY (umhos)	APPEARANCE
2 GAL / 0921	14.0	6.62	1029	CLEAR
4 GAL / 0929	13.7	6.60	1041	CLEAR
5.5 GAL 0933	13.7	6.60	1047	CLEAR
6.0 GAL 0950	13.6	6.61	1046	CLEAR
			TURBIDITY: 1.12	NTU (meas in field lab)

COMMENTS: WCC-6B = 62.18' WCC-6A = 93.21' MW-2 = 38.11'
PURGED TO INTAKES @ 5.5 GAL ALLOWED TO RECHARGE THEN SAMPLED

ALL FIELD PARAMTERS ARE ACCURATE AND TRUE: SIGNATURE: _____ DATE: _____

ANNUAL ROUND: 11/~~2~~3/2022

SAMPLE ID: W-WCC 12-221103

SAMPLE TIME: 1000

QA / QC SAMPLE ID: -NA-

QA / QC SAMPLE TIME:

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethylhexyl)phthalate (BEHP)	SEMI VOLATILES (B) Pentachlorophenol (PCP)	NITRATE (NO3)	METALS (C) Arsenic (As) (Dissolved)	METALS (C) Manganese (Mn) (Dissolved)	METALS (C) Chromium (Cr) (Dissolved)	METALS (C) Lead (Pb) (Dissolved)	METALS (C) Antimony (Sb) (Dissolved)
CONTAINERS:	3-40 ml Viles	1 Liter Amber Glass	1 Liter Amber Glass	1-250 ml. Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 -500 ml Poly Bottle	1 - 500 ml Poly Bottle	1 - 500 ml Poly Bottle
PRESERVATION:	HCl pH < 2	Unpreserved	Unpreserved	Unpreserved	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH < 2 Field Filtered	HNO3 to pH<2 Field Filtered	HNO3 to pH<2 Field Filtered
HOLDING TIME:	14 Days	7 Days To Extract	7 Days To Extract	48 Hours to extract	6 Months	6 Months	6 Months	6 Months	6 Months
METHODS:	SW 8260B	SW 8270C	SW 8270C	300	SW 7060A	SW 6010	SW 6010	SW 6010	SW 7041
SAMPLING:	*1	*1	*1	*2	*2	*2	*2	*2	*2

(A) Tetrachlorethylene; Trichloroethylene; Vinyl Chloride; 1,2-Dichloroethane; 1,2-Dichloroethylene

(B) BEHP and PCP sampled from same 2 bottles (started filling 2 1-Liter botttles on 11/2021)

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES ANNUAL
11/2022

DATE: 11/2/2022 (WED)
WEATHER: CLOUDY / WIND LT SHOWERS 40's MID-UP
TECH: MT/CC/GF

THE FOLLOWING LOCATION WERE SAMPLED

WELL	SAMPLE ID	TIME	TECH	WL	COMM
SVA-1	W-SVA1-221102	0820	MT	97.28'	GOOD
WCC-1	W-WCC1-221102	1020	MT	95.77'	GOOD
WCC-2	W-WCC2-221102	0915	MT	101.19'	*1
WCC-4A	W-WCC4A-221102	1410	MT	105.74'	GOOD
WCC-7	W-WCC7-221102	1356	CC/GF	70.96'	GOOD
WCC-8	W-WCC8-221102	1220	CC/GF	59.90'	MS/MSD
WCC-9	W-WCC9-221102	1047	CC/GF	30.28'	GOOD
WCC-10R	W-WCC10R-221102	0937	CC/GF	0.00	*2
WCC-11B	W-WCC11B-221102	1320	MT	97.24	DUPE
11 DUPE	WS-1-1-221102	1300	MT		DUPE ID

ALL SAMPLES HELD OVERNIGHT IN REFER & GA. SHIPPED ALL NITRATE SAMES TODAY PLACED IN COOLER 250 FOLLOWING NORMAL PROTOCOL PACKING COOLER CC HAND DEL COOLER 250 TO UPS FOR PRIORITY OVERNIGHT TO SVL ON 11/3/22 AM

*1 WCC-2 HAS VERY HIGH TURB (11.21 NTU) NORM IN 0.10-0.20 RANGE. COULD BE WITH ALL THE ROAD CONSTRUCTION NEXT TO WELL NOTED ON FIELD SHEET.

*2 OPENED MANHOLE TO WCC-10R FOUND FULL OF SURFACE WATER. WL 0.00' RUNNING INTO WELL. GF PURGED 3 WELL VOL. & 21 GAL. MIGHT HAVE TO RESAMPLE?

GA ANNUAL
11/2022

DATE: 11/3/2022 (THURS)
WEATHER: CLOUDY/LT WIND UPPER 40'S
TECH: MT/CC/GF

THE FOLLOW LOCATION WAS SAMPLED:

LOCATION	SAMPLE ID	TIME	TECH	WL	COMM
WCC-12	W-WCC12-221103	1000	MT	96.9	GOOD
TRIP BLANKS	WS-2-1-221103	—	MT		

* MT FINISHED SAMPLING GA ANNUAL RD + QT WATERLEVELS WHILE GF/CC/AS DID BIO-FILTER CHANGE OUT.

MT PACKED ALL VOC'S/BEHP/PCP SAMPLES INTO COOLERS #13/#8/#9 FOLLOWING NORMAL COOLER PACKING PROTOCOL. CC HAND DEL COOLERS TO UPS FOR PRIORTY OVERNIGHT TO ANATEK IN MOSCOW ID. ON 11/4/22 AM

MT PACKED ALL METALS INTO COOLER #14 FOLLOWING NORMAL SAMPLING PROTOCOL. CC HAND DEL COOLER #14 TO UPS FOR OVERNIGHT PRIORTY SHIP TO SVL IN KELLOGG ID ON 11/4/22 AMT

GREENACRES LANDFILL SWL REPORT
NOVEMBER ANNUAL

WELL ID	PUMP INSTALLED	TOTAL DEPTH	SCREENED INTERVALS	2022 DATE	TECH	SWL
MW-2	HYDROSTAR	120	110 - 115	11-3-22	MT	38.11'
SVA-1	BLADDER	127	114 - 124	11-2-22	MT	97.28'
WCC-1	BLADDER	124	114 - 124	11-2-22	MT	95.77'
WCC-10R	BLADDER	41.4	38 - 43	11-2-22	CC/GF	0.00'
WCC-11A	HYDROSTAR	140	112 - 117	11-2-22	~~CC/GF~~ MT	97.36'
WCC-11B	BLADDER	140	129 - 139	11-2-22	MT	97.24'
WCC-12	BLADDER	106	90 - 100	11-3-22	MT	96.91'
WCC-13	HYDROSTAR	107	51 - 61	11-3-22	MT	34.50'
WCC-2	BLADDER	123	113 - 123	11-2-22	MT	101.19'
WCC-4A	BLADDER	138	125 - 135	11-2-22	MT	105.74'
WCC-6A	NO PUMP	99	85 - 95	11-3-22	MT	93.21'
WCC-6B	HYDROSTAR	136	126 - 136	11-3-22	MT	62.18'
WCC-7	BLADDER	86	76 - 86	11-2-22	CC/GF	70.96'
WCC-8	BLADDER	111	100 - 110	11-2-22	CC/GF	59.90'
WCC-9	BLADDER	45	35 - 45	11-2-22	CC/GF	30.28'

ALL SWL AND ACCURATE AND TRUE: SIGNATURE: _____ DATE: 11/3/22

GREENACRES LANDFILL SWL REPORT
NOVEMBER ANNUAL

WELL ID	PUMP INSTALLED	TOTAL DEPTH	SCREENED INTERVALS	2022 DATE	TECH	SWL
MW-2	HYDROSTAR	120	110 - 115	11-3-22	MT	38.11'
SVA-1	BLADDER	127	114 - 124	11-2-22	MT	97.28'
WCC-1	BLADDER	124	114 - 124	11-2-22	MT	95.77'
WCC-10R	BLADDER	41.4	38 - 43	11-2-22	CC/GF	0.00'
WCC-11A	HYDROSTAR	140	112 - 117	11-2-22	~~CC/GF~~ MT	97.36'
WCC-11B	BLADDER	140	129 - 139	11-2-22	MT	97.24'
WCC-12	BLADDER	106	90 - 100	11-3-22	MT	96.91'
WCC-13	HYDROSTAR	107	51 - 61	11-3-22	MT	34.50'
WCC-2	BLADDER	123	113 - 123	11-2-22	MT	101.19'
WCC-4A	BLADDER	138	125 - 135	11-2-22	MT	105.74'
WCC-6A	NO PUMP	99	85 - 95	11-3-22	MT	93.21'
WCC-6B	HYDROSTAR	136	126 - 136	11-3-22	MT	62.18'
WCC-7	BLADDER	86	76 - 86	11-2-22	CC/GF	70.96'
WCC-8	BLADDER	111	100 - 110	11-2-22	CC/GF	59.90'
WCC-9	BLADDER	45	35 - 45	11-2-22	CC/GF	30.28'

ALL SWL AND ACCURATE AND TRUE: SIGNATURE: _____ **DATE:** 11/3/22

Appendix B: Laboratory Results

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

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

Work Order: **X2K0102**
Reported: 15-Nov-22 17:29

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
W-WCC2-221102	X2K0102-01	Water	02-Nov-22 09:15	MT	04-Nov-2022	
W-WCC8-221102	X2K0102-02	Water	02-Nov-22 12:20	MT	04-Nov-2022	
W-WCC9-221102	X2K0102-03	Water	02-Nov-22 10:47	MT	04-Nov-2022	
W-WCC10R-221102	X2K0102-04	Water	02-Nov-22 09:33	MT	04-Nov-2022	

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.

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

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

Work Order: **X2K0102**
Reported: 15-Nov-22 17:29

Client Sample ID: **W-WCC2-221102**
SVL Sample ID: **X2K0102-01 (Water)**

Sampled: 02-Nov-22 09:15
Received: 04-Nov-22
Sampled By: MT

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Nitrate as N**	1.47	mg/L	0.050	0.013		X245241	RS	11/04/22 14:20	H3

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

Dave Tryon
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

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

Work Order: **X2K0102**
Reported: 15-Nov-22 17:29

Client Sample ID: **W-WCC8-221102**
SVL Sample ID: **X2K0102-02 (Water)**

Sampled: 02-Nov-22 12:20
Received: 04-Nov-22
Sampled By: MT

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Nitrate as N**	1.33	mg/L	0.050	0.013		X245241	RS	11/04/22 12:15	

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

Dave Tryon
Project Manager

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Kellogg, ID 83837-0929
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Spokane County Environmental Services (Colbert)
22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X2K0102**
Reported: 15-Nov-22 17:29

Client Sample ID: **W-WCC9-221102**
SVL Sample ID: **X2K0102-03 (Water)**

Sampled: 02-Nov-22 10:47
Received: 04-Nov-22
Sampled By: MT

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Nitrate as N**	2.40	mg/L	0.050	0.013		X245241	RS	11/04/22 14:37	H3

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

Dave Tryon
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

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

Work Order: **X2K0102**
Reported: 15-Nov-22 17:29

Client Sample ID: **W-WCC10R-221102**
SVL Sample ID: **X2K0102-04 (Water)**

Sampled: 02-Nov-22 09:33
Received: 04-Nov-22
Sampled By: MT

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Nitrate as N**	1.15	mg/L	0.050	0.013		X245241	RS	11/04/22 14:53	H3

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

Dave Tryon
Project Manager

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Kellogg, ID 83837-0929
(208) 784-1258
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Spokane County Environmental Services (Colbert)
22515 N. Elk Chattaroy Road
Colbert, WA 99005

Work Order: **X2K0102**
Reported: 15-Nov-22 17:29

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Anions by Ion Chromatography								
EPA 300.0	Nitrate as N	mg/L	<0.050	0.013	0.050	X245241	04-Nov-22	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography									
EPA 300.0	Nitrate as N	mg/L	1.96	2.00	98.1	90 - 110	X245241	04-Nov-22	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Nitrate as N	mg/L	3.31	1.33	2.00	98.9	90 - 110	X245241 - X2K0102-02	04-Nov-22	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography										
EPA 300.0	Nitrate as N	mg/L	3.33	3.31	2.00	0.4	20	99.7	X245241 - X2K0102-02	

One Government Gulch - PO Box 929
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www.svl.net

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

Work Order: **X2K0102**
Reported: 15-Nov-22 17:29

Notes and Definitions

H3	Sample was received and/or analysis requested past holding time.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

SPOKANE COUNTY ENVIRONMENTAL S

CHAIN OF CUSTODY R

Work Order: X2K0102

Spokane County Environmental Services ((

SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY RD.
COLERT, WASHINGTON 99005
PHONE: (509) 238-6607
FAX: (509) 238-6812

PROJECT: GREENACRES SEMI-ANNUAL OR ANNUAL SAMPLING (CIR

SHIPPING COMPANY: UPS

SHIPPING NUMBER:

NUMBER OF COOLERS: 2-8

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

PARAMETERS:	VOC'S	BEHP / PCP	NITRATE	TRACE METALS Mn / As / Sb / Pb / Cr				
CONTAINERS:	3-40 ml Voa's	2-1 Liter Amber Glass	1-500 ml Poly bottle	1-500 ml Poly Bottle				
PRESERVATION:	HCl to pH<2	NONE	NONE	FIELD FILTERED HNO3 to pH<2				
HOLDING TIME:	14 days	7 Days (to extract)	48 HOURS (to extract)	6 months				
METHODS:	8260B	8270C	300.0	Mn 6010	As 7060A	Sb 7041	Pb 6010	Cr 6010

SAMPLER'S:

Mike Terris

Gordie Fisette

Craig Campbell

DATE:

SAMPLE ID:	DATE:	TIME:	# BOTTLES	COOLER#	COMMENTS:
W-WCC2-221102	11/2/22	0915	1	250	
W-WCC8-221102	11/2/22	1220	3	250	MS/MSD
W-WCC9-221102	11/2/22	1047	1	250	
W-WCC10R-221102	11/2/22	0933	1	250	

COMMENT: Please email the sample condition report to Mike and Austin ASAP; mterris@spokanecounty.org & astewart@spokanecounty.org

RELINQUISHED BY:
SIGNATURE: Mike Terris
PRINT NAME: MIKE S. TERRIS
SPOKANE COUNTY UTILITIES LANDFILL CLOSURE
DATE: 11/2/2022
TIME: 1600

RECEIVED BY:
SIGNATURE: CR Serv
PRINT NAME: CR SERV
COMPANY: SVL
DATE: 11/4/22
TIME: 920

SAMPLE RECEIPT CHAIN-OF-CUSTODY CHECKLIST

The following items were checked for completeness, correctness, and compliance to project specifications using the Chain-of-Custody (COC) and other supporting information

Date of acceptance: 11/4/22 By: CRSeevy

SVL Work No: X2K0102

Item	Description	V	NA	Comments
1	Client or project name	✓		Spokane County
2	Date and time of receipt at lab	✓		11/4/22 920
3	Received by	✓		CRSeevy
4	Temperature blank or cooler temperature	✓		Temp. 2.8°C T098/T126
5	Were the sample(s) received on ice	✓		
6	Custody tape/bottle seals	✓		
7	Shipper's air bill	✓		K2672255759
8	Condition of samples upon receipt (leaking; bubbles in VOA vials)	✓		good
9	Analysis requested for each sample	✓		
10	Sample matrix description	✓		
11	The correct preservative for the analysis requested		✓	
12	Did an SVL employee preserve sample(s) upon receipt		✓	
13	Additional Information	✓		See COC

1 GOVERNMENT GULCH

KELLOGG ID 83837

P: BOTTOM S: WEST I:

KING – RDC

K2672255759 2.8

KZJ1LTP 1DC0E5B4UDC NOV 4 05:34:47 2022

US 8380 HIP 22.9.3 ZP450S

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Client:	Spokane County Utilities	Work Order:	MCK0279
Address:	22515 N. Elk Chattaroy Rd	Project:	X2K0117
	Colbert, WA 99005	Reported:	11/29/2022 13:05
Attn:	Dave Tryon		

Analytical Results Report

Sample Location:	X2K0117-01 (W-SVA1-221102)		
Lab/Sample Number:	MCK0279-01	Collect Date:	11/02/22 08:20
Date Received:	11/04/22 13:54	Collected By:	MikeTerris/Gordie Fisette/Kevan McClarty
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 4:57	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 4:57	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*90.0%*		*48-120*	*11/14/22 4:57*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*95.3%*		*57-113*	*11/14/22 4:57*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*80.6%*		*37-110*	*11/14/22 4:57*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*82.4%*		*65-110*	*11/14/22 4:57*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*94.2%*		*51-112*	*11/14/22 4:57*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*95.1%*		*57-133*	*11/14/22 4:57*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	

Anatek Labs, Inc.

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Analytical Results Report

(Continued)

Sample Location: X2K0117-01 (W-SVA1-221102)
Lab/Sample Number: MCK0279-01 Collect Date: 11/02/22 08:20
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 14:54	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 14:54	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 14:54	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 14:54	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 14:54	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	11/16/22 14:54	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*108%*		*70-130*	*11/16/22 14:54*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location:	X2K0117-01 (W-SVA1-221102)		
Lab/Sample Number:	MCK0279-01	Collect Date:	11/02/22 08:20
Date Received:	11/04/22 13:54	Collected By:	MikeTerris/Gordie Fisette/Kevan McClarty
Matrix:	Water		

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Surrogate: 4-Bromofluorobenzene	*102%*		*70-130*	*11/16/22 14:54*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*98.7%*		*70-130*	*11/16/22 14:54*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-02 (W-WCC1-221102)
Lab/Sample Number: MCK0279-02 Collect Date: 11/02/22 10:20
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 5:24	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 5:24	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*86.3%*		*48-120*	*11/14/22 5:24*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*95.7%*		*57-113*	*11/14/22 5:24*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*82.8%*		*37-110*	*11/14/22 5:24*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*84.4%*		*65-110*	*11/14/22 5:24*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*94.5%*		*51-112*	*11/14/22 5:24*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*111%*		*57-133*	*11/14/22 5:24*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 15:25	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 15:25	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-02 (W-WCC1-221102)
Lab/Sample Number: MCK0279-02 Collect Date: 11/02/22 10:20
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 15:25	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 15:25	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 15:25	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	11/16/22 15:25	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*107%*		*70-130*	*11/16/22 15:25*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*102%*		*70-130*	*11/16/22 15:25*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*99.0%*		*70-130*	*11/16/22 15:25*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-03 (W-WCC2-221102)
Lab/Sample Number: MCK0279-03 Collect Date: 11/02/22 09:15
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 5:51	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 5:51	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*95.4%*		*48-120*	*11/14/22 5:51*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*99.4%*		*57-113*	*11/14/22 5:51*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*90.7%*		*37-110*	*11/14/22 5:51*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*86.1%*		*65-110*	*11/14/22 5:51*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*100%*		*51-112*	*11/14/22 5:51*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*95.6%*		*57-133*	*11/14/22 5:51*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 15:56	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 15:56	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-03 (W-WCC2-221102)
Lab/Sample Number: MCK0279-03 Collect Date: 11/02/22 09:15
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 15:56	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 15:56	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 15:56	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	11/16/22 15:56	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*108%*		*70-130*	*11/16/22 15:56*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*103%*		*70-130*	*11/16/22 15:56*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*100%*		*70-130*	*11/16/22 15:56*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-04 (W-WCC4A-221102)
Lab/Sample Number: MCK0279-04 Collect Date: 11/02/22 14:10
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 6:18	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 6:18	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*84.9%*		*48-120*	*11/14/22 6:18*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*91.3%*		*57-113*	*11/14/22 6:18*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*78.8%*		*37-110*	*11/14/22 6:18*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*80.2%*		*65-110*	*11/14/22 6:18*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*96.0%*		*51-112*	*11/14/22 6:18*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*88.6%*		*57-133*	*11/14/22 6:18*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 16:27	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 16:27	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-04 (W-WCC4A-221102)
Lab/Sample Number: MCK0279-04 Collect Date: 11/02/22 14:10
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
cis-1,2-dichloroethene	2.46	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 16:27	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 16:27	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 16:27	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Tetrachloroethene	1.31	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	11/16/22 16:27	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*111%*		*70-130*	*11/16/22 16:27*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*102%*		*70-130*	*11/16/22 16:27*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*99.0%*		*70-130*	*11/16/22 16:27*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-05 (W-WCC7-221102)
Lab/Sample Number: MCK0279-05 Collect Date: 11/02/22 13:56
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 6:45	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 6:45	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*77.3%*		*48-120*	*11/14/22 6:45*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*97.0%*		*57-113*	*11/14/22 6:45*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*76.0%*		*37-110*	*11/14/22 6:45*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*86.6%*		*65-110*	*11/14/22 6:45*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*92.7%*		*51-112*	*11/14/22 6:45*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*96.0%*		*57-133*	*11/14/22 6:45*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 16:58	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 16:58	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-05 (W-WCC7-221102)
Lab/Sample Number: MCK0279-05 Collect Date: 11/02/22 13:56
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 16:58	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 16:58	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 16:58	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Tetrachloroethene	1.70	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	11/16/22 16:58	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*111%*		*70-130*	*11/16/22 16:58*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*101%*		*70-130*	*11/16/22 16:58*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*98.5%*		*70-130*	*11/16/22 16:58*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-06 (W-WCC8-221102)
Lab/Sample Number: MCK0279-06 Collect Date: 11/02/22 12:20
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 7:13	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 7:13	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*95.9%*		*48-120*	*11/14/22 7:13*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*94.6%*		*57-113*	*11/14/22 7:13*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*80.1%*		*37-110*	*11/14/22 7:13*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*83.6%*		*65-110*	*11/14/22 7:13*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*98.7%*		*51-112*	*11/14/22 7:13*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*96.7%*		*57-133*	*11/14/22 7:13*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 14:23	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 14:23	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-06 (W-WCC8-221102)
Lab/Sample Number: MCK0279-06 Collect Date: 11/02/22 12:20
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 14:23	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 14:23	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 14:23	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	11/16/22 14:23	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*108%*		*70-130*	*11/16/22 14:23*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*103%*		*70-130*	*11/16/22 14:23*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*100%*		*70-130*	*11/16/22 14:23*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-07 (W-WCC9-221102)
Lab/Sample Number: MCK0279-07 Collect Date: 11/02/22 10:47
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 7:40	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 7:40	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*82.8%*		*48-120*	*11/14/22 7:40*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*93.9%*		*57-113*	*11/14/22 7:40*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*77.5%*		*37-110*	*11/14/22 7:40*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*84.9%*		*65-110*	*11/14/22 7:40*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*94.8%*		*51-112*	*11/14/22 7:40*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*97.1%*		*57-133*	*11/14/22 7:40*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 17:28	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 17:28	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-07 (W-WCC9-221102)
Lab/Sample Number: MCK0279-07 Collect Date: 11/02/22 10:47
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 17:28	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 17:28	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 17:28	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	11/16/22 17:28	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*109%*		*70-130*	*11/16/22 17:28*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*102%*		*70-130*	*11/16/22 17:28*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*99.2%*		*70-130*	*11/16/22 17:28*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-08 (W-WCC10R-221102)
Lab/Sample Number: MCK0279-08 Collect Date: 11/02/22 09:33
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 8:07	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 8:07	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*96.5%*		*48-120*	*11/14/22 8:07*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*98.6%*		*57-113*	*11/14/22 8:07*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*84.9%*		*37-110*	*11/14/22 8:07*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*87.0%*		*65-110*	*11/14/22 8:07*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*101%*		*51-112*	*11/14/22 8:07*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*94.6%*		*57-133*	*11/14/22 8:07*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 17:59	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 17:59	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-08 (W-WCC10R-221102)
Lab/Sample Number: MCK0279-08 Collect Date: 11/02/22 09:33
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 17:59	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 17:59	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 17:59	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	11/16/22 17:59	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*108%*		*70-130*	*11/16/22 17:59*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*103%*		*70-130*	*11/16/22 17:59*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*99.5%*		*70-130*	*11/16/22 17:59*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-09 (W-WCC11B-221102)
Lab/Sample Number: MCK0279-09 Collect Date: 11/02/22 13:20
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 8:34	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 8:34	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*90.5%*		*48-120*	*11/14/22 8:34*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*93.4%*		*57-113*	*11/14/22 8:34*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*80.2%*		*37-110*	*11/14/22 8:34*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*83.2%*		*65-110*	*11/14/22 8:34*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*98.3%*		*51-112*	*11/14/22 8:34*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*98.8%*		*57-133*	*11/14/22 8:34*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 18:30	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 18:30	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-09 (W-WCC11B-221102)
Lab/Sample Number: MCK0279-09 Collect Date: 11/02/22 13:20
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
cis-1,2-dichloroethene	0.550	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Dichlorodifluoromethane	1.53	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 18:30	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 18:30	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 18:30	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Tetrachloroethene	9.86	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Trichloroethene	1.07	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	11/16/22 18:30	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*108%*		*70-130*	*11/16/22 18:30*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*99.6%*		*70-130*	*11/16/22 18:30*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*98.5%*		*70-130*	*11/16/22 18:30*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-10 (W-WCC12-221103)
Lab/Sample Number: MCK0279-10 Collect Date: 11/03/22 10:00
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 9:01	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 9:01	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*102%*		*48-120*	*11/14/22 9:01*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*97.0%*		*57-113*	*11/14/22 9:01*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*94.4%*		*37-110*	*11/14/22 9:01*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*90.3%*		*65-110*	*11/14/22 9:01*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*105%*		*51-112*	*11/14/22 9:01*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*88.9%*		*57-133*	*11/14/22 9:01*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,2-Dichloroethane	1.55	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 19:00	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 19:00	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-10 (W-WCC12-221103)
Lab/Sample Number: MCK0279-10 Collect Date: 11/03/22 10:00
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
cis-1,2-dichloroethene	6.80	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 19:00	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 19:00	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 19:00	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Trichloroethene	0.520	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Vinyl Chloride	3.56	ug/L	0.500	11/16/22 19:00	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*109%*		*70-130*	*11/16/22 19:00*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*101%*		*70-130*	*11/16/22 19:00*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*98.4%*		*70-130*	*11/16/22 19:00*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-11 (WS-1-1-221102)
Lab/Sample Number: MCK0279-11 Collect Date: 11/02/22 13:00
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.500	11/14/22 9:28	MH	EPA 8270E	
Pentachlorophenol	ND	ug/L	0.500	11/14/22 9:28	MH	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol	*87.7%*		*48-120*	*11/14/22 9:28*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorobiphenyl	*93.3%*		*57-113*	*11/14/22 9:28*	*MH*	*EPA 8270E*	
Surrogate: 2-Fluorophenol	*80.5%*		*37-110*	*11/14/22 9:28*	*MH*	*EPA 8270E*	
Surrogate: Nitrobenzene-d5	*80.5%*		*65-110*	*11/14/22 9:28*	*MH*	*EPA 8270E*	
Surrogate: Phenol-2,3,4,5,6-d5	*108%*		*51-112*	*11/14/22 9:28*	*MH*	*EPA 8270E*	
Surrogate: Terphenyl-d14	*92.5%*		*57-133*	*11/14/22 9:28*	*MH*	*EPA 8270E*	
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/16/22 19:31	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/16/22 19:31	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Benzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-11 (WS-1-1-221102)
Lab/Sample Number: MCK0279-11 Collect Date: 11/02/22 13:00
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
cis-1,2-dichloroethene	0.500	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Dichlorodifluoromethane	1.75	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Hexachlorobutadiene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/16/22 19:31	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/16/22 19:31	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	2.50	11/16/22 19:31	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Tetrachloroethene	9.57	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Trichloroethene	1.05	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Trichlorofluoromethane	0.550	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.500	11/16/22 19:31	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*108%*		*70-130*	*11/16/22 19:31*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*99.7%*		*70-130*	*11/16/22 19:31*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*99.1%*		*70-130*	*11/16/22 19:31*	*BKP*	*EPA 8260D*	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-12 (WS-2-1-221103)
Lab/Sample Number: MCK0279-12 Collect Date: 11/03/22 00:00
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,1,2-Trichloroethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,1-Dichloroethene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,1-dichloropropene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,2-Dibromo-3-chloropropane (DBCP)	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,2-Dibromoethane (EDB)	ND	ug/L	0.200	11/17/22 0:04	BKP	EPA 8260D	
1,2-Dichlorobenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,3-Dichlorobenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
1,4-Dichlorobenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
2-Chloroethyl vinyl ether	ND	ug/L	2.50	11/17/22 0:04	BKP	EPA 8260D	
2-Chlorotoluene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
2-hexanone	ND	ug/L	2.50	11/17/22 0:04	BKP	EPA 8260D	
4-Chlorotoluene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Acetone	ND	ug/L	2.50	11/17/22 0:04	BKP	EPA 8260D	
Acrolein	ND	ug/L	2.50	11/17/22 0:04	BKP	EPA 8260D	
Acrylonitrile	ND	ug/L	2.50	11/17/22 0:04	BKP	EPA 8260D	
Benzene	ND	ug/L	0.200	11/17/22 0:04	BKP	EPA 8260D	
Bromobenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Bromochloromethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Bromodichloromethane	ND	ug/L	0.200	11/17/22 0:04	BKP	EPA 8260D	
Bromoform	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Bromomethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Carbon disulfide	ND	ug/L	2.50	11/17/22 0:04	BKP	EPA 8260D	
Carbon Tetrachloride	ND	ug/L	0.200	11/17/22 0:04	BKP	EPA 8260D	
Chlorobenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Chloroethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Chloroform	ND	ug/L	0.200	11/17/22 0:04	BKP	EPA 8260D	
Chloromethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
cis-1,2-dichloroethene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
cis-1,3-Dichloropropene	ND	ug/L	0.200	11/17/22 0:04	BKP	EPA 8260D	
Dibromochloromethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Dibromomethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Ethylbenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	

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Analytical Results Report

(Continued)

Sample Location: X2K0117-12 (WS-2-1-221103)
Lab/Sample Number: MCK0279-12 Collect Date: 11/03/22 00:00
Date Received: 11/04/22 13:54 Collected By: MikeTerris/Gordie Fisette/Kevan McClarty
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Hexachlorobutadiene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Isopropylbenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
m+p-Xylene	ND	ug/L	1.00	11/17/22 0:04	BKP	EPA 8260D	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/22 0:04	BKP	EPA 8260D	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/22 0:04	BKP	EPA 8260D	
Methylene chloride	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Naphthalene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
n-Butylbenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
n-Propylbenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
o-Xylene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
p-isopropyltoluene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
sec-Butylbenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Styrene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
tert-Butylbenzene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Tetrachloroethene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Toluene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Total Xylene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
trans-1,2-Dichloroethene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
trans-1,3-Dichloropropene	ND	ug/L	0.200	11/17/22 0:04	BKP	EPA 8260D	
trans-1-4-Dichloro-2-butene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Trichloroethene	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Trichlorofluoromethane	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Vinyl acetate	ND	ug/L	0.500	11/17/22 0:04	BKP	EPA 8260D	
Vinyl Chloride	ND	ug/L	0.200	11/17/22 0:04	BKP	EPA 8260D	
Surrogate: 1,2-Dichlorobenzene-d4	*110%*		*70-130*	*11/17/22 0:04*	*BKP*	*EPA 8260D*	
Surrogate: 4-Bromofluorobenzene	*99.8%*		*70-130*	*11/17/22 0:04*	*BKP*	*EPA 8260D*	
Surrogate: Toluene-d8	*97.9%*		*70-130*	*11/17/22 0:04*	*BKP*	*EPA 8260D*	

Authorized Signature,

Justin Doty For Todd Taruscio, Laboratory Manager

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

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Quality Control Data

Semivolatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCK0344 - SVOC Water										
Blank (BCK0344-BLK1)					Prepared: 11/9/2022 Analyzed: 11/14/2022					
Pentachlorophenol	ND		0.500	ug/L						
Di (2-ethylhexyl) phthalate	ND		0.500	ug/L						
Surrogate: Phenol-2,3,4,5,6-d5			*46.0*	*ug/L*	*50.0*		*92.0*	*51-112*		
Surrogate: Nitrobenzene-d5			*18.7*	*ug/L*	*25.0*		*75.0*	*65-110*		
Surrogate: Terphenyl-d14			*22.3*	*ug/L*	*25.0*		*89.0*	*57-133*		
Surrogate: 2-Fluorophenol			*38.4*	*ug/L*	*50.0*		*76.8*	*37-110*		
Surrogate: 2-Fluorobiphenyl			*21.6*	*ug/L*	*25.0*		*86.5*	*57-113*		
Surrogate: 2,4,6-Tribromophenol			*45.7*	*ug/L*	*50.0*		*91.5*	*48-120*		
LCS (BCK0344-BS1)					Prepared: 11/9/2022 Analyzed: 11/13/2022					
Pentachlorophenol	4.76		0.500	ug/L	5.00		95.2	51-118		
Di (2-ethylhexyl) phthalate	4.57		0.500	ug/L	5.00		91.4	60-144		
LCS Dup (BCK0344-BSD1)					Prepared: 11/9/2022 Analyzed: 11/14/2022					
Di (2-ethylhexyl) phthalate	4.20		0.500	ug/L	5.00		84.0	60-144	8.44	32
Pentachlorophenol	4.61		0.500	ug/L	5.00		92.2	51-118	3.20	25
Matrix Spike (BCK0344-MS1)		**Source: MCK0279-06**			Prepared: 11/9/2022 Analyzed: 11/18/2022					
Di (2-ethylhexyl) phthalate	2.62		0.500	ug/L	5.00	ND	52.4	50-130		
Pentachlorophenol	4.91		0.500	ug/L	5.00	ND	98.2	50-130		
Matrix Spike Dup (BCK0344-MSD1)		**Source: MCK0279-06**			Prepared: 11/9/2022 Analyzed: 11/18/2022					
Di (2-ethylhexyl) phthalate	2.94		0.500	ug/L	5.00	ND	58.8	50-130	11.5	40
Pentachlorophenol	4.82		0.500	ug/L	5.00	ND	96.4	50-130	1.85	40

Quality Control Data

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCK0594 - VOC										
Blank (BCK0594-BLK1)					Prepared & Analyzed: 11/16/2022					
cis-1,2-Dichloroethylene	ND		0.500	ug/L						
m/p Xylenes (MCL for total)	ND		0.500	ug/L						
Isopropylbenzene	ND		0.500	ug/L						
Hexachlorobutadiene	ND		0.500	ug/L						
Ethylbenzene	ND		0.500	ug/L						
Dichlorodifluoromethane	ND		0.500	ug/L						
Dibromomethane	ND		0.500	ug/L						
Carbon disulfide	ND		0.500	ug/L						
cis-1,3-Dichloropropene	ND		0.500	ug/L						
tert-Butylbenzene	ND		0.500	ug/L						
Chloromethane	ND		0.500	ug/L						
Chloroform	ND		0.500	ug/L						
Chloroethane	ND		0.500	ug/L						
Chlorobenzene (Monochlorobenzene)	ND		0.500	ug/L						
Carbon Tetrachloride	ND		0.500	ug/L						
Methyl ethyl ketone (MEK)	ND		2.50	ug/L						
Dibromochloromethane	ND		0.500	ug/L						
sec-Butylbenzene	ND		0.500	ug/L						

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Quality Control Data
(Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCK0594 - VOC (Continued)										
Blank (BCK0594-BLK1)					Prepared & Analyzed: 11/16/2022					
Trichloroflouromethane	ND		0.500	ug/L						
Trichloroethene	ND		0.500	ug/L						
trans-1,3-Dichloropropene	ND		0.500	ug/L						
trans-1,2 Dichloroethylene	ND		0.500	ug/L						
Toluene	ND		0.500	ug/L						
o-Xylene (MCL for total)	ND		0.500	ug/L						
Methyl isobutyl ketone (MIBK)	ND		2.50	ug/L						
Bromomethane	ND		0.500	ug/L						
n-Propylbenzene	ND		0.500	ug/L						
n-Butylbenzene	ND		0.500	ug/L						
Naphthalene	ND		0.500	ug/L						
methyl-t-butyl ether (MTBE)	ND		0.500	ug/L						
Methylene Chloride (Dichloromethane)	ND		2.50	ug/L						
Tetrachloroethylene	ND		0.500	ug/L						
1,1-Dichloropropene	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND		0.500	ug/L						
EDB (screening)	ND		0.500	ug/L						
DBCP (screening)	ND		0.500	ug/L						
1,2,4-Trimethylbenzene	ND		0.500	ug/L						
1,2,4-Trichlorobenzene	ND		0.500	ug/L						
1,2-Dichloroethane	ND		0.500	ug/L						
1,2,3-Trichlorobenzene	ND		0.500	ug/L						
1,2-Dichloropropane	ND		0.500	ug/L						
1,1-Dichloroethylene	ND		0.500	ug/L						
1,1-Dichloroethane	ND		0.500	ug/L						
1,1,2-Trichlorethane	ND		0.500	ug/L						
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L						
1,1,1-Trichloroethane	ND		0.500	ug/L						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L						
1,2,3-Trichloropropane	ND		0.500	ug/L						
2-hexanone	ND		2.50	ug/L						
Bromodichloromethane	ND		0.500	ug/L						
Bromochloromethane	ND		0.500	ug/L						
Bromobenzene	ND		0.500	ug/L						
Benzene	ND		0.500	ug/L						
Acrylonitrile	ND		0.500	ug/L						
Vinyl Chloride	ND		0.500	ug/L						
Styrene	ND		0.500	ug/L						
Bromoform	ND		0.500	ug/L						
o-Chlorotoluene	ND		0.500	ug/L						
2,2-Dichloropropane	ND		0.500	ug/L						
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND		0.500	ug/L						
1,3-Dichloropropane	ND		0.500	ug/L						
m-Dichlorobenzene	ND		0.500	ug/L						
1,3,5-Trimethylbenzene	ND		0.500	ug/L						
p-Chlorotoluene	ND		0.500	ug/L						
p-isopropyltoluene	ND		0.500	ug/L						
Surrogate: Toluene-d8			*25.1*	*ug/L*	*25.0*		*100*	*70-130*		
Surrogate: 4-Bromofluorobenzene			*25.9*	*ug/L*	*25.0*		*104*	*70-130*		

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Quality Control Data
(Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCK0594 - VOC (Continued)										
Blank (BCK0594-BLK1)					Prepared & Analyzed: 11/16/2022					
Surrogate: 1,2-Dichlorobenzene-d4			*20.5*	*ug/L*	*19.0*		*108*	*70-130*		
LCS (BCK0594-BS1)					Prepared & Analyzed: 11/16/2022					
1,1-Dichloroethylene	10.1		0.500	ug/L	10.0		101	70-129		
methyl-t-butyl ether (MTBE)	10.7		0.500	ug/L	10.0		107	71-130		
Methyl isobutyl ketone (MIBK)	10.9		2.50	ug/L	10.0		109	70-136		
Methyl ethyl ketone (MEK)	11.3		2.50	ug/L	10.0		113	55-154		
1,1,1,2-Tetrachloroethane	9.29		0.500	ug/L	10.0		92.9	80-120		
1,1,1-Trichloroethane	10.2		0.500	ug/L	10.0		102	80-120		
1,1,2,2-Tetrachloroethane	10.2		0.500	ug/L	10.0		102	77-123		
DBCP (screening)	9.04		0.500	ug/L	10.0		90.4	71-128		
1,1-Dichloroethane	10.2		0.500	ug/L	10.0		102	80-120		
n-Propylbenzene	10.5		0.500	ug/L	10.0		105	80-120		
1,1-Dichloropropene	10.3		0.500	ug/L	10.0		103	80-120		
1,2,3-Trichlorobenzene	9.91		0.500	ug/L	10.0		99.1	78-120		
1,2,3-Trichloropropane	9.87		0.500	ug/L	10.0		98.7	80-120		
1,2,4-Trichlorobenzene	10.1		0.500	ug/L	10.0		101	80-120		
1,2,4-Trimethylbenzene	10.5		0.500	ug/L	10.0		105	80-120		
1,1,2-Trichlorethane	9.38		0.500	ug/L	10.0		93.8	80-120		
Tetrachloroethylene	9.61		0.500	ug/L	10.0		96.1	80-120		
m/p Xylenes (MCL for total)	19.9		0.500	ug/L	20.0		99.7	80-120		
Vinyl Chloride	10.3		0.500	ug/L	10.0		103	75-120		
Trichloroethene	9.74		0.500	ug/L	10.0		97.4	80-120		
trans-1,3-Dichloropropene	9.52		0.500	ug/L	10.0		95.2	69-130		
trans-1,2 Dichloroethylene	10.7		0.500	ug/L	10.0		107	80-120		
Naphthalene	10.0		0.500	ug/L	10.0		100	66-133		
Toluene	9.97		0.500	ug/L	10.0		99.7	80-120		
n-Butylbenzene	10.0		0.500	ug/L	10.0		100	74-122		
tert-Butylbenzene	10.5		0.500	ug/L	10.0		105	80-120		
Styrene	9.44		0.500	ug/L	10.0		94.4	80-120		
sec-Butylbenzene	10.8		0.500	ug/L	10.0		108	80-120		
p-isopropyltoluene	10.8		0.500	ug/L	10.0		108	80-120		
o-Xylene (MCL for total)	9.94		0.500	ug/L	10.0		99.4	80-120		
Trichloroflouromethane	9.79		0.500	ug/L	10.0		97.9	61-140		
cis-1,3-Dichloropropene	9.64		0.500	ug/L	10.0		96.4	79-123		
Bromodichloromethane	9.49		0.500	ug/L	10.0		94.9	80-120		
Bromoform	9.72		0.500	ug/L	10.0		97.2	68-133		
Carbon disulfide	9.78		0.500	ug/L	10.0		97.8	80-120		
Carbon Tetrachloride	9.71		0.500	ug/L	10.0		97.1	80-120		
Chlorobenzene (Monochlorobenzene)	9.59		0.500	ug/L	10.0		95.9	80-120		
Chloroethane	9.28		0.500	ug/L	10.0		92.8	78-120		
Bromochloromethane	9.38		0.500	ug/L	10.0		93.8	80-120		
cis-1,2-Dichloroethylene	9.72		0.500	ug/L	10.0		97.2	80-120		
Dichlorodifluoromethane	10.1		0.500	ug/L	10.0		101	57-130		
Dibromochloromethane	8.99		0.500	ug/L	10.0		89.9	80-121		
Dibromomethane	9.33		0.500	ug/L	10.0		93.3	80-120		
Ethylbenzene	9.92		0.500	ug/L	10.0		99.2	80-120		
Hexachlorobutadiene	11.0		0.500	ug/L	10.0		110	80-120		
EDB (screening)	9.35		0.500	ug/L	10.0		93.5	70-130		
Isopropylbenzene	10.3		0.500	ug/L	10.0		103	80-120		

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Quality Control Data
(Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCK0594 - VOC (Continued)										
LCS (BCK0594-BS1)					Prepared & Analyzed: 11/16/2022					
Chloroform	9.63		0.500	ug/L	10.0		96.3	80-120		
1,2-Dichloropropane	10.0		0.500	ug/L	10.0		100	80-120		
Bromobenzene	9.98		0.500	ug/L	10.0		99.8	80-120		
1,2-Dichloroethane	10.0		0.500	ug/L	10.0		100	80-120		
1,3,5-Trimethylbenzene	10.5		0.500	ug/L	10.0		105	80-121		
m-Dichlorobenzene	9.44		0.500	ug/L	10.0		94.4	80-120		
1,3-Dichloropropane	9.61		0.500	ug/L	10.0		96.1	80-120		
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.27		0.500	ug/L	10.0		92.7	80-120		
2,2-Dichloropropane	10.3		0.500	ug/L	10.0		103	80-120		
2-hexanone	10.0		2.50	ug/L	10.0		100	65-140		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	9.74		0.500	ug/L	10.0		97.4	80-120		
p-Chlorotoluene	10.6		0.500	ug/L	10.0		106	80-124		
Acrylonitrile	11.7		0.500	ug/L	10.0		117	73-131		
o-Chlorotoluene	10.5		0.500	ug/L	10.0		105	80-120		
Benzene	9.85		0.500	ug/L	10.0		98.5	80-120		
Surrogate: Toluene-d8			*25.5*	*ug/L*	*25.0*		*102*	*70-130*		
Surrogate: 4-Bromofluorobenzene			*26.7*	*ug/L*	*25.0*		*107*	*70-130*		
Surrogate: 1,2-Dichlorobenzene-d4			*19.6*	*ug/L*	*19.0*		*103*	*70-130*		
Matrix Spike (BCK0594-MS1)		**Source: MCK0279-06**			Prepared & Analyzed: 11/16/2022					
cis-1,2-Dichloroethylene	10.3		0.500	ug/L	10.0	ND	103	70-130		
Methyl ethyl ketone (MEK)	11.7		2.50	ug/L	10.0	ND	117	47-165		
m/p Xylenes (MCL for total)	21.8		0.500	ug/L	20.0	ND	109	57-130		
Isopropylbenzene	10.9		0.500	ug/L	10.0	ND	109	70-130		
Hexachlorobutadiene	12.8		0.500	ug/L	10.0	ND	128	70-130		
Ethylbenzene	10.8		0.500	ug/L	10.0	ND	108	70-130		
Dichlorodifluoromethane	11.9		0.500	ug/L	10.0	ND	119	57-136		
Dibromomethane	9.81		0.500	ug/L	10.0	ND	98.1	70-130		
Chlorobenzene (Monochlorobenzene)	10.3		0.500	ug/L	10.0	ND	103	70-130		
cis-1,3-Dichloropropene	9.59		0.500	ug/L	10.0	0.100	94.9	74-124		
Chloroform	10.6		0.500	ug/L	10.0	ND	106	70-130		
Chloroethane	15.5		0.500	ug/L	10.0	ND	155	68-138		
sec-Butylbenzene	11.4		0.500	ug/L	10.0	ND	114	70-130		
Carbon Tetrachloride	10.6		0.500	ug/L	10.0	ND	106	70-130		
Dibromochloromethane	9.65		0.500	ug/L	10.0	ND	96.5	70-130		
Styrene	10.4		0.500	ug/L	10.0	ND	104	30-130		
Trichloroflouromethane	13.3		0.500	ug/L	10.0	ND	133	50-154		
Trichloroethene	10.6		0.500	ug/L	10.0	ND	106	70-130		
1,2-Dichloropropane	10.5		0.500	ug/L	10.0	ND	105	70-130		
trans-1,2 Dichloroethylene	9.23		0.500	ug/L	10.0	ND	92.3	70-130		
Toluene	10.7		0.500	ug/L	10.0	ND	107	70-130		
o-Xylene (MCL for total)	10.7		0.500	ug/L	10.0	ND	107	62-127		
tert-Butylbenzene	11.3		0.500	ug/L	10.0	ND	113	70-130		
Methyl isobutyl ketone (MIBK)	11.3		2.50	ug/L	10.0	ND	113	53-167		
p-isopropyltoluene	11.4		0.500	ug/L	10.0	ND	114	70-130		
trans-1,3-Dichloropropene	8.05		0.500	ug/L	10.0	ND	80.5	61-131		
n-Propylbenzene	11.1		0.500	ug/L	10.0	ND	111	70-130		
n-Butylbenzene	10.9		0.500	ug/L	10.0	ND	109	67-130		
Naphthalene	12.0		0.500	ug/L	10.0	ND	120	56-147		
methyl-t-butyl ether (MTBE)	8.52		0.500	ug/L	10.0	ND	85.2	57-138		

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Quality Control Data
(Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCK0594 - VOC (Continued)										
Matrix Spike (BCK0594-MS1)	**Source: MCK0279-06**				Prepared & Analyzed: 11/16/2022					
Tetrachloroethylene	10.7		0.500	ug/L	10.0	0.110	106	70-130		
1,1-Dichloropropene	11.2		0.500	ug/L	10.0	ND	112	70-130		
m-Dichlorobenzene	10.0		0.500	ug/L	10.0	ND	100	70-130		
EDB (screening)	9.90		0.500	ug/L	10.0	ND	99.0	70-130		
DBCP (screening)	10.5		0.500	ug/L	10.0	ND	105	55-146		
1,2,4-Trimethylbenzene	11.0		0.500	ug/L	10.0	ND	110	40-140		
1,2,4-Trichlorobenzene	11.8		0.500	ug/L	10.0	ND	118	70-130		
1,2,3-Trichlorobenzene	11.9		0.500	ug/L	10.0	ND	119	67-134		
1,2-Dichloroethane	11.0		0.500	ug/L	10.0	ND	110	70-130		
1,1-Dichloroethylene	12.0		0.500	ug/L	10.0	ND	120	70-130		
1,1-Dichloroethane	10.9		0.500	ug/L	10.0	ND	109	70-130		
1,1,2-Trichlorethane	10.1		0.500	ug/L	10.0	ND	101	70-130		
Vinyl Chloride	12.8		0.500	ug/L	10.0	ND	128	70-130		
1,1,1,2-Tetrachloroethane	10.2		0.500	ug/L	10.0	ND	102	70-130		
1,1,1-Trichloroethane	11.0		0.500	ug/L	10.0	ND	110	70-130		
1,2,3-Trichloropropane	10.5		0.500	ug/L	10.0	ND	105	69-137		
Bromoform	9.83		0.500	ug/L	10.0	ND	98.3	59-140		
Bromodichloromethane	10.3		0.500	ug/L	10.0	ND	103	70-130		
Bromochloromethane	10.2		0.500	ug/L	10.0	ND	102	70-130		
Bromobenzene	10.2		0.500	ug/L	10.0	ND	102	70-130		
Benzene	10.6		0.500	ug/L	10.0	ND	106	70-130		
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	10.3		0.500	ug/L	10.0	ND	103	70-130		
p-Chlorotoluene	11.1		0.500	ug/L	10.0	ND	111	70-130		
Carbon disulfide	11.4		0.500	ug/L	10.0	ND	114	70-130		
2-hexanone	10.0		2.50	ug/L	10.0	ND	100	43-175		
o-Chlorotoluene	11.0		0.500	ug/L	10.0	ND	110	70-130		
2,2-Dichloropropane	8.78		0.500	ug/L	10.0	ND	87.8	70-130		
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.94		0.500	ug/L	10.0	ND	99.4	70-130		
1,3-Dichloropropane	10.1		0.500	ug/L	10.0	ND	101	70-130		
1,1,2,2-Tetrachloroethane	10.8		0.500	ug/L	10.0	ND	108	67-136		
1,3,5-Trimethylbenzene	11.1		0.500	ug/L	10.0	ND	111	40-140		
Acrylonitrile	10.2		0.500	ug/L	10.0	ND	102	65-137		
Surrogate: Toluene-d8			*25.5*	*ug/L*	*25.0*		*102*	*70-130*		
Surrogate: 4-Bromofluorobenzene			*26.6*	*ug/L*	*25.0*		*106*	*70-130*		
Surrogate: 1,2-Dichlorobenzene-d4			*19.8*	*ug/L*	*19.0*		*104*	*70-130*		

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Quality Control Data
(Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCK0594 - VOC (Continued)										
Matrix Spike Dup (BCK0594-MSD1)	**Source: MCK0279-06**				Prepared & Analyzed: 11/16/2022					
Bromodichloromethane	10.1		0.500	ug/L	10.0	ND	101	70-130	1.87	20
o-Chlorotoluene	10.9		0.500	ug/L	10.0	ND	109	70-130	1.19	20
Bromochloromethane	10.1		0.500	ug/L	10.0	ND	101	70-130	1.08	20
1,2-Dichloropropane	10.3		0.500	ug/L	10.0	ND	103	70-130	1.35	20
1,3,5-Trimethylbenzene	11.0		0.500	ug/L	10.0	ND	110	40-140	1.36	20
m-Dichlorobenzene	10.1		0.500	ug/L	10.0	ND	101	70-130	0.399	20
1,3-Dichloropropane	10.2		0.500	ug/L	10.0	ND	102	70-130	0.885	20
2,2-Dichloropropane	9.75		0.500	ug/L	10.0	ND	97.5	70-130	10.5	20
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	10.4		0.500	ug/L	10.0	ND	104	70-130	0.963	20
2-hexanone	10.4		2.50	ug/L	10.0	ND	104	43-175	3.24	20
p-Chlorotoluene	11.0		0.500	ug/L	10.0	ND	110	70-130	0.544	20
Acrylonitrile	12.1		0.500	ug/L	10.0	ND	121	65-137	17.8	20
Benzene	10.3		0.500	ug/L	10.0	ND	103	70-130	2.78	20
Carbon disulfide	10.8		0.500	ug/L	10.0	ND	108	70-130	5.69	20
1,4-Dichlorobenzene (para-Dichlorobenzene)	9.87		0.500	ug/L	10.0	ND	98.7	70-130	0.707	20
1,1-Dichloropropene	11.0		0.500	ug/L	10.0	ND	110	70-130	2.52	20
Vinyl Chloride	12.2		0.500	ug/L	10.0	ND	122	70-130	5.44	20
1,1,1,2-Tetrachloroethane	10.2		0.500	ug/L	10.0	ND	102	70-130	0.489	20
1,1,1-Trichloroethane	10.7		0.500	ug/L	10.0	ND	107	70-130	2.85	20
1,1,2,2-Tetrachloroethane	11.5		0.500	ug/L	10.0	ND	115	67-136	6.35	20
1,1,2-Trichlorethane	10.3		0.500	ug/L	10.0	ND	103	70-130	1.67	20
1,2-Dichloroethane	10.5		0.500	ug/L	10.0	ND	105	70-130	4.47	20
1,1-Dichloroethylene	11.3		0.500	ug/L	10.0	ND	113	70-130	6.00	20
Bromoform	10.1		0.500	ug/L	10.0	ND	101	59-140	2.61	20
1,2,3-Trichlorobenzene	12.8		0.500	ug/L	10.0	ND	128	67-134	7.86	20
1,2,3-Trichloropropane	11.4		0.500	ug/L	10.0	ND	114	69-137	7.87	20
1,2,4-Trichlorobenzene	12.3		0.500	ug/L	10.0	ND	123	70-130	4.07	20
1,2,4-Trimethylbenzene	10.8		0.500	ug/L	10.0	ND	108	40-140	2.38	20
DBCP (screening)	11.7		0.500	ug/L	10.0	ND	117	55-146	10.7	20
EDB (screening)	10.1		0.500	ug/L	10.0	ND	101	70-130	1.50	20
1,1-Dichloroethane	10.9		0.500	ug/L	10.0	ND	109	70-130	0.459	20
tert-Butylbenzene	11.2		0.500	ug/L	10.0	ND	112	70-130	0.444	20
Bromobenzene	10.3		0.500	ug/L	10.0	ND	103	70-130	0.488	20
n-Butylbenzene	10.6		0.500	ug/L	10.0	ND	106	67-130	2.88	20
n-Propylbenzene	10.8		0.500	ug/L	10.0	ND	108	70-130	2.74	20
o-Xylene (MCL for total)	10.6		0.500	ug/L	10.0	ND	106	62-127	0.658	20
p-isopropyltoluene	11.2		0.500	ug/L	10.0	ND	112	70-130	1.33	20
methyl-t-butyl ether (MTBE)	11.0		0.500	ug/L	10.0	ND	110	57-138	25.4	20
Styrene	10.1		0.500	ug/L	10.0	ND	101	30-130	3.61	20
Methyl isobutyl ketone (MIBK)	11.5		2.50	ug/L	10.0	ND	115	53-167	1.58	20
Tetrachloroethylene	10.5		0.500	ug/L	10.0	0.110	104	70-130	1.69	20
Toluene	10.3		0.500	ug/L	10.0	ND	103	70-130	3.81	20
trans-1,2 Dichloroethylene	11.3		0.500	ug/L	10.0	ND	113	70-130	20.1	20
trans-1,3-Dichloropropene	8.65		0.500	ug/L	10.0	ND	86.5	61-131	7.19	20
Trichloroethene	10.2		0.500	ug/L	10.0	ND	102	70-130	3.74	20
sec-Butylbenzene	11.2		0.500	ug/L	10.0	ND	112	70-130	2.04	20
Dibromomethane	9.60		0.500	ug/L	10.0	ND	96.0	70-130	2.16	20
Carbon Tetrachloride	10.3		0.500	ug/L	10.0	ND	103	70-130	2.77	20
Chlorobenzene (Monochlorobenzene)	10.2		0.500	ug/L	10.0	ND	102	70-130	1.27	20
Chloroethane	14.9		0.500	ug/L	10.0	ND	149	68-138	3.36	20

Anatek Labs, Inc.

1282 Alturas Drive - Moscow, ID 83843 - (208) 883-2839 - Fax (208) 8829246 - email moscow@anateklabs.com
504 E Sprague Ste. D - Spokane, WA 99202 - (509) 838-3999 - fax (509) 838-4433 - email spokane@anateklabs.com

Quality Control Data
(Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BCK0594 - VOC (Continued)										
Matrix Spike Dup (BCK0594-MSD1)	**Source: MCK0279-06**				Prepared & Analyzed: 11/16/2022					
Chloroform	10.2		0.500	ug/L	10.0	ND	102	70-130	3.27	20
cis-1,2-Dichloroethylene	10.3		0.500	ug/L	10.0	ND	103	70-130	0.291	20
Naphthalene	13.5		0.500	ug/L	10.0	ND	135	56-147	11.2	20
Dibromochloromethane	9.69		0.500	ug/L	10.0	ND	96.9	70-130	0.414	20
Trichloroflouromethane	13.9		0.500	ug/L	10.0	ND	139	50-154	4.20	20
Dichlorodifluoromethane	11.4		0.500	ug/L	10.0	ND	114	57-136	4.12	20
Ethylbenzene	10.5		0.500	ug/L	10.0	ND	105	70-130	2.81	20
Hexachlorobutadiene	13.1		0.500	ug/L	10.0	ND	131	70-130	3.01	20
Isopropylbenzene	10.7		0.500	ug/L	10.0	ND	107	70-130	1.86	20
m/p Xylenes (MCL for total)	21.2		0.500	ug/L	20.0	ND	106	57-130	2.70	20
Methyl ethyl ketone (MEK)	12.1		2.50	ug/L	10.0	ND	121	47-165	3.69	20
cis-1,3-Dichloropropene	9.57		0.500	ug/L	10.0	0.100	94.7	74-124	0.209	20
Surrogate: 4-Bromofluorobenzene			*26.7*	*ug/L*	*25.0*		*107*	*70-130*		
Surrogate: Toluene-d8			*25.1*	*ug/L*	*25.0*		*100*	*70-130*		
Surrogate: 1,2-Dichlorobenzene-d4			*20.0*	*ug/L*	*19.0*		*105*	*70-130*		

MCK0279

Due: 11/18/22

Subcontract Order

X2K0117

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

Client:
Spokane County Environmental Services (Colbert)

Project Name:
Routine

Project State of Origin:
Washington

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

Report and Invoice to SVL Analytical, Inc.

Analysis	Due	HT Expires		
SVL ID: X2K0117-01 Client ID: **W-SVA1-221102**			**Water**	**Sampled: 02-Nov-22 08:20**
Sub SVOC EPA 8270D	18-Nov-22	16-Nov-22 08:20	DEDICATED QC	
Sub VOC 8260C				
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Raw Amber Glass (D)				
Raw Amber Glass (E)				
SVL ID: X2K0117-02 Client ID: **W-WCC1-221102**			**Water**	**Sampled: 02-Nov-22 10:20**
Sub SVOC EPA 8270D	18-Nov-22	16-Nov-22 10:20	DEDICATED QC	
Sub VOC 8260C				
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Raw Amber Glass (D)				
Raw Amber Glass (E)				
SVL ID: X2K0117-03 Client ID: **W-WCC2-221102**			**Water**	**Sampled: 02-Nov-22 09:15**
Sub SVOC EPA 8270D	18-Nov-22	16-Nov-22 09:15	DEDICATED QC	
Sub VOC 8260C				
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Raw Amber Glass (D)				
Raw Amber Glass (E)				
SVL ID: X2K0117-04 Client ID: **W-WCC4A-221102**			**Water**	**Sampled: 02-Nov-22 14:10**
Sub SVOC EPA 8270D	18-Nov-22	16-Nov-22 14:10	DEDICATED QC	
Sub VOC 8260C				
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Raw Amber Glass (D)				
Raw Amber Glass (E)				

Shipped directly to Anatek

Relinquished by: _____ Date/Time: 11/9/22 Received by: _____ Date/Time: 11/9/22

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

Subcontract Order

X2K0117

MCK0279

Due: 11/18/22

Analysis	Due	HT Expires	
SVL ID: X2K0117-05 Client ID: **W-WCC7-221102**			**Water** **Sampled: 02-Nov-22 13:56**
Sub SVOC EPA 8270D	18-Nov-22	16-Nov-22 13:56	DEDICATED QC
Sub VOC 8260C			
Containers Supplied:			
Amber VOA HCl (A)			
Amber VOA HCl (B)			
Amber VOA HCl (C)			
Raw Amber Glass (D)			
Raw Amber Glass (E)			
SVL ID: X2K0117-06 Client ID: **W-WCC8-221102**			**Water** **Sampled: 02-Nov-22 12:20**
Sub SVOC EPA 8270D	18-Nov-22	16-Nov-22 12:20	DEDICATED QC
Sub VOC 8260C			
Containers Supplied:			
Amber VOA HCl (A)			
Amber VOA HCl (B)			
Amber VOA HCl (C)			
Raw Amber Glass (D)			
Raw Amber Glass (E)			
Amber VOA HCl (F)			
Amber VOA HCl (G)			
Amber VOA HCl (H)			
Amber VOA HCl (I)			
Amber VOA HCl (J)			
Amber VOA HCl (K)			
Raw Amber Glass (L)			
Raw Amber Glass (M)			
Raw Amber Glass (N)			
SVL ID: X2K0117-07 Client ID: **W-WCC9-221102**			**Water** **Sampled: 02-Nov-22 10:47**
Sub SVOC EPA 8270D	18-Nov-22	16-Nov-22 10:47	DEDICATED QC
Sub VOC 8260C			
Containers Supplied:			
Amber VOA HCl (A)			
Amber VOA HCl (B)			
Amber VOA HCl (C)			
Raw Amber Glass (D)			
Raw Amber Glass (E)			
SVL ID: X2K0117-08 Client ID: **W-WCC10R-221102**			**Water** **Sampled: 02-Nov-22 09:33**
Sub SVOC EPA 8270D	18-Nov-22	16-Nov-22 09:33	DEDICATED QC
Sub VOC 8260C			
Containers Supplied:			
Amber VOA HCl (A)			
Amber VOA HCl (B)			
Amber VOA HCl (C)			
Raw Amber Glass (D)			
Raw Amber Glass (E)			

Shipped directly to Anatek

Relinquished by: _____ Date/Time: 11/4/22 Received by: _____ Date/Time: _____

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

Subcontract Order

MCK0279

Due: 11/18/22

X2K0117

Analysis	Due	HT Expires		
SVL ID: X2K0117-09 Client ID: **W-WCC11B-221102**			**Water**	**Sampled: 02-Nov-22 13:20**
Sub SVOC EPA 8270D	18-Nov-22	16-Nov-22 13:20	DEDICATED QC	
Sub VOC 8260C				
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Raw Amber Glass (D)				
Raw Amber Glass (E)				
SVL ID: X2K0117-10 Client ID: **W-WCC12-221103**			**Water**	**Sampled: 03-Nov-22 10:00**
Sub SVOC EPA 8270D	18-Nov-22	17-Nov-22 10:00	DEDICATED QC	
Sub VOC 8260C				
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Raw Amber Glass (D)				
Raw Amber Glass (E)				
SVL ID: X2K0117-11 Client ID: **WS-1-1-221102**			**Water**	**Sampled: 02-Nov-22 13:00**
Sub SVOC EPA 8270D	18-Nov-22	16-Nov-22 13:00	DEDICATED QC	
Sub VOC 8260C				
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				
Amber VOA HCl (C)				
Raw Amber Glass (D)				
Raw Amber Glass (E)				
SVL ID: X2K0117-12 Client ID: **W-2-1-221103**			**Water**	**Sampled: 03-Nov-22 00:00**
Sub VOC 8260C	18-Nov-22	17-Nov-22 00:00	DEDICATED QC	
Containers Supplied:				
Amber VOA HCl (A)				
Amber VOA HCl (B)				

Shipped directly to Anatek

Relinquished by: _____ Date/Time: 11/4/22 Received by: _____ Date/Time: _____

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

SPOKANE COUNTY ENVIRONMENTAL SERVICES LANDFILL CLOSURE
CHAIN OF CUSTODY RECORD 2022

MCK0279
Due: 11/18/22

SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY 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: K237139 8852/8908/8891
NUMBER OF COOLERS: 3

PAGE 1 of –

LAB: SVL ANALYTICAL ONE GOVERNMENT GULCH KELLOGG, ID 83837-0929 (208) 784-1258; FAX (208)783-0891 ATTENTION: Sample Receiving	PARAMETERS:	VOC'S	BEHP / PCP	NITRATE	TRACE METALS Mn / As / Sb / Pb / Cr					SAMPLER'S:
	CONTAINERS:	3-40 ml Voa's	2-1 Liter Amber Glass	1-250 ml Poly bottle	1-500 ml Poly Bottle					Mike Terris Gordie Fisette
LAB: ANATEK LAB * 1282 ALTURAS DR MOSCOW, IDAHO 83843 (208) 883-2839 ATTENTION: Sample Receiving	PRESERVATION: HOLDING TIME: METHODS:	HCl to pH<2 14 days 8260B *	NONE 7 Days (to extract) 8270C	NONE 48 HOURS (to extract) 300.0	FIELD FILTERED HNO3 to pH<2 6 months					Kevan McClarty DATE: 11/03/2022
					Mn 6010	As 7060A	Sb 7041	Pb 6010	Cr 6010	

SAMPLE ID:	DATE:	TIME:								# BOTTLES	COOLER#	COMMENTS:
W-SVA1-221102	11/2/2022	0820	X	X						5	13	
W-WCC1-221102	11/2/2022	1020	X	X						5	13	
W-WCC2-221102	11/2/2022	0915	X	X						5	13	
W-WCC4A-221102	11/2/2022	1410	X	X						5	8	
W-WCC7-221102	11/2/2022	1356	X	X						5	8	
W-WCC8-221102	11/2/2022	1220	X	X						15	19	MS/MSD
W-WCC9-221102	11/2/2022	1047	X	X						5	8	
W-WCC10R-221102	11/2/2022	0933	X	X						5	19	
W-WCC11B-221102	11/2/2022	1320	X	X						5	8	
W-WCC12-221103	11/3/2022	1000	X	X						5	8	
WS-1-1-221102	11/2/2022	1300	X	X						5	19	
WS-2-1-221103	11/3/2022	—	X	ANA MIT						2	13	TRIP-BLANKS

COMMENT: Please email the sample condition report to Mike and Austin ASAP; mterris@spokanecounty.org & astewart@spokanecounty.org

RELINQUISHED BY:
SIGNATURE: Mike Terris
PRINT NAME: Mike Terris
DATE: 11/3/2022
TIME: 1530
SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY: CL
SIGNATURE: Elizabeth Z
PRINT NAME: Elizabeth Z
DATE: 11/4/22
TIME: 15:04
COMPANY Anatek

*ALL VOC'S ARE IN COOLER #13 ALONG W/ ORG COC

MCK0279

Due: 11/18/22

SPOKANE COUNTY ENVIRONMENTAL SERVICES LANDFILL CLOSURE
CHAIN OF CUSTODY RECORD 2022

SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY 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: K237138 8852/8908/8891
NUMBER OF COOLERS: 3

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

PARAMETERS:	VOC'S	BEHP / PCP	NITRATE	TRACE METALS Mn / As / Sb / Pb / Cr
CONTAINERS:	3-40 ml Voa's	2-1 Liter Amber Glass	1-250 ml Poly bottle	1-500 ml Poly Bottle
PRESERVATION:	HCl to pH<2	NONE	NONE	FIELD FILTERED HNO3 to pH<2
HOLDING TIME:	14 days	7 Days (to extract)	48 HOURS (to extract)	6 months
METHODS:	8260B *	8270C	300.0	Mn 6010 / As 7060A / Sb 7041 / Pb 6010 / Cr 6010

SAMPLER'S:
Mike Terris
Gordie Fisette
Kevan McClarty
DATE: 11/03/2022

SAMPLE ID:	DATE:	TIME:	VOC'S	BEHP / PCP	NITRATE	Mn	As	Sb	Pb	Cr	# BOTTLES	COOLER#	COMMENTS:
W-SVA1-221102	11/2/2022	0820	X	X							5	13	
W-WCC1-221102	11/2/2022	1020	X	X							5	13	
W-WCC2-221102	11/2/2022	0915	X	X							5	13	
W-WCC4A-221102	11/2/2022	1410	X	X							5	8	
W-WCC7-221102	11/2/2022	1356	X	X							5	8	
W-WCC8-221102	11/2/2022	1220	X	X							15	19	MS/MSD
W-WCC9-221102	11/2/2022	1047	X	X							5	8	
W-WCC10R-221102	11/2/2022	0933	X	X							5	19	
W-WCC11B-221102	11/2/2022	1320	X	X							5	8	
W-WCC12-221103	11/3/2022	1000	X	X							5	8	
WS-1-1-221102	11/2/2022	1300	X	X							5	19	
WS-2-1-221103	11/3/2022	—	X	X (MT)							2	13	TRIP-BLANKS

COMMENT: Please email the sample condition report to Mike and Austin ASAP; mterris@spokanecounty.org & astewart@spokanecounty.org

RELINQUISHED BY:
SIGNATURE: Mike Terris
PRINT NAME: Mike Terris
DATE: 11/3/2022
TIME: 1530
SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY:
SIGNATURE:
PRINT NAME:
COMPANY
DATE:
TIME:

*ALL VOC'S ARE IN COOLER #13 ALONG W/ ORG COC

SPOKANE COUNTY ENVIRONMENTAL SERVICES LANDFILL CLOSURE
CHAIN OF CUSTODY RECORD 2022

MCK0279

Due: 11/18/22

SPOKANE COUNTY ENVIROMENTAL SERVICES
22515 N. ELK CHATTAROY 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: K237139 8832/8908/8891
NUMBER OF COOLERS: 3

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

PARAMETERS:	VOC'S	BEHP / PCP	NITRATE	TRACE METALS Mn / As / Sb / Pb / Cr
CONTAINERS:	3-40 ml Voa's	2-1 Liter Amber Glass	1-250 ml Poly bottle	1-500 ml Poly Bottle
PRESERVATION:	HCl to pH<2	NONE	NONE	FIELD FILTERED HNO3 to pH<2
HOLDING TIME:	14 days	7 Days (to extract)	48 HOURS (to extract)	6 months
METHODS:	8260B *	8270C	300.0	Mn 6010 / As 7060A / Sb 7041 / Pb 6010 / Cr 6010

SAMPLER'S:
Mike Terris
Gordie Fisette
Kevan McClarty
DATE: 11/03/2022

SAMPLE ID:	DATE:	TIME:	VOC'S	BEHP / PCP	NITRATE	Mn	As	Sb	Pb	Cr	# BOTTLES	COOLER#	COMMENTS:
W-SVA1-221102	11/2/2022	0820	X	X							5	13	
W-WCC1-221102	11/2/2022	1020	X	X							5	13	
W-WCC2-221102	11/2/2022	0915	X	X							5	13	
W-WCC4A-221102	11/2/2022	1410	X	X							5	8	
W-WCC7-221102	11/2/2022	1356	X	X							5	8	
W-WCC8-221102	11/2/2022	1220	X	X							15	19	MS/MSD
W-WCC9-221102	11/2/2022	1047	X	X							5	8	
W-WCC10R-221102	11/2/2022	0933	X	X							5	19	
W-WCC11B-221102	11/2/2022	1320	X	X							5	8	
W-WCC12-221103	11/3/2022	1000	X	X							5	8	
WS-1-1-221102	11/2/2022	1300	X	X							5	19	
WS-2-1-221103	11/3/2022	—	X	MT							2	13	TRIP-BLANKS

COMMENT: Please email the sample condition report to Mike and Austin ASAP; mterris@spokanecounty.org & astewart@spokanecounty.org

RELINQUISHED BY:
SIGNATURE: Mike Terris
PRINT NAME: Mike Terris
DATE: 11/3/2022
TIME: 1530
SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

RECEIVED BY:
SIGNATURE:
DATE:
PRINT NAME:
TIME:
COMPANY

*ALL VOC'S ARE IN COOLER #13 ALONG W/ ORG COC

Anatek Labs, Inc.

Sample Receipt and Preservation Form

MCK0279

Due: 11/18/22

Client Name: Spokane County

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: 3 Type of Ice: (Wet Ice) Ice Packs Dry Ice None

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

Cooler Temp As Read (°C): 4.3C Cooler Temp Corrected (°C): _____ Thermometer Used: IR-5

				Comments:
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: 67				
Chain of Custody Fully Completed?	(Yes)	No	N/A	
Correct Containers Received?	(Yes)	No	N/A	
Anatek Bottles Used?	(Yes)	No	Unknown	

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

#CL - VOC 8260 - 54ml x39 + 2 Blanks

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

8270 - 9 L x 26

Emailed SVL for Autolog + WO # - ER 11/4/22

Received/Inspected By: ER Date/Time: 11/4/22 15:54

Appendix C: Landfill Gas Probe Measurements

Greenacres Landfill Gas Measurements
Filename: GP22A111.XLXS

Tech: KM
Inst. Used: Landtec Gem 500 # 760

Date: 1/10/2022
Time Gem Calib: 1105

Temp: 29-31 deg
Time Gem Checked:

Weather: Fog

Baro. Pres: 30.51 @ 1115
Baro. Pres: 30.51 @ 1310

Qualifier: S

Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Referer	Adjus	Valve Pos:	Comments
GAPGP02L	11:23	1/10/2022	0	4	16.3	79.7	0.7	0.07	>>>	>>>	>>>	>>>	
GAPGP02M	11:29	1/10/2022	0	1	19.8	79.2	0.3	0.6	>>>	>>>	>>>	>>>	
GAPGP02U	11:34	1/10/2022	0	0.1	20.6	79.3	-0.1	-0.4	>>>	>>>	>>>	>>>	
GAPGP03L	11:46	1/10/2022	0	0.7	18.9	80.4	-0.2	-0.1	>>>	>>>	>>>	>>>	
GAPGP03M	11:51	1/10/2022	0	0.5	20	79.5	-0.4	0.4	>>>	>>>	>>>	>>>	
GAPGP03U	11:56	1/10/2022	0	0	20.5	79.5	-2.1	0.1	>>>	>>>	>>>	>>>	
GAPGP009	12:03	1/10/2022	0	0	20.4	79.6	-2.6	0	>>>	>>>	>>>	>>>	
GAPGP004	12:10	1/10/2022	0	0.4	20.5	79.1	-0.3	0	>>>	>>>	>>>	>>>	
GAPGP08L	12:19	1/10/2022	0	0.2	20.1	79.7	-5.8	11	>>>	>>>	>>>	>>>	
GAPGP08U	12:25	1/10/2022	0	0	20.3	79.7	-0.2	-0.1	>>>	>>>	>>>	>>>	
GAPGP005	12:36	1/10/2022	0	0.8	18.9	80.3	-0.2	0.4	>>>	>>>	>>>	>>>	
GAPGP006	12:46	1/10/2022	0	0	20.7	79.3	-2.2	0	>>>	>>>	>>>	>>>	
GAPGP007	12:54	1/10/2022	0.1	0	20.5	79.4	-32.5	0.5	>>>	>>>	>>>	>>>	
GAPGP001	13:03	1/10/2022	0	5.1	8.5	86.4	-0.2	0.1	>>>	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements | Filename: GP220202.XLXS
Tech: GF | Inst. Used: Landtec Gem 500 # 760
Date: 2/2/2022 | Time Gem Calib: 1015
Temp: 20-22 deg F
Weather: ptly cldy
Baro. Pres: 30.28 @ 930 | Baro. Pres: 30.28 @ 1140
Qualifier: Steady
Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Refere	Adjus	Valve Pos:	Comments
GAPGP02L	10:22	2/2/2022	0	4.2	15.4	80.4	0	0	>>>	>>>	>>>	>>>	
GAPGP02M	10:23	2/2/2022	0	1.1	19.4	79.5	0	0	>>>	>>>	>>>	>>>	
GAPGP02U	10:25	2/2/2022	0	0.1	20.6	79.3	0	0	>>>	>>>	>>>	>>>	
GAPGP03L	10:32	2/2/2022	0	0.8	18.2	81	0	0.03	>>>	>>>	>>>	>>>	
GAPGP03M	10:33	2/2/2022	0	0.5	19.9	79.6	0	0.02	>>>	>>>	>>>	>>>	
GAPGP03U	10:36	2/2/2022	0	0	20.7	79.3	0	0	>>>	>>>	>>>	>>>	
GAPGP009	10:42	2/2/2022	0	0	20.6	79.4	0	0.01	>>>	>>>	>>>	>>>	
GAPGP004	10:47	2/2/2022	0	0.4	20.6	79	0	0	>>>	>>>	>>>	>>>	
GAPGP08L	10:52	2/2/2022	0	0	20.8	79.2	0	0	>>>	>>>	>>>	>>>	
GAPGP08U	10:54	2/2/2022	0	0.1	20.6	79.3	0	0	>>>	>>>	>>>	>>>	
GAPGP005	11:01	2/2/2022	0	0.2	20.4	79.4	0	0.05	>>>	>>>	>>>	>>>	
GAPGP006	11:07	2/2/2022	0	0.3	20.6	79.1	0	0	>>>	>>>	>>>	>>>	
GAPGP007	11:11	2/2/2022							>>>	>>>	>>>	>>>	groundwater in screens, no sample
GAPGP001	11:16	2/2/2022	0	4.7	8.8	86.5	0	0.02	>>>	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements
Filename: GP220301.XLXS
Tech: GF
Inst. Used: Landtec Gem 500 # 547
Date: 3/1/2022
Time Gem Calib: 930
Temp: 58 deg F
Weather: windy, mstly cldy
Baro. Pres: 30.19 @ 1230
Baro. Pres: 30.18 @ 1510
Qualifier: Falling
Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Referer	Adjus	Valve Pos:	Comments
GAPGP02L	13:50	3/1/2022	0	4.8	14.5	80.7	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP02M	13:52	3/1/2022	0	1.3	19.5	79.2	0	0	>>>	>>>	>>>	>>>	
GAPGP02U	13:54	3/1/2022	0	0.1	20.4	79.5	0	0	>>>	>>>	>>>	>>>	
GAPGP03L	14:00	3/1/2022	0	0.7	16.5	82.8	0	0	>>>	>>>	>>>	>>>	
GAPGP03M	14:01	3/1/2022	0	0.5	19.9	79.6	0	0	>>>	>>>	>>>	>>>	
GAPGP03U	14:03	3/1/2022	0	0	20.4	79.6	0	0	>>>	>>>	>>>	>>>	
GAPGP009	14:06	3/1/2022	0	0	20.4	79.6	0	0	>>>	>>>	>>>	>>>	
GAPGP004	14:11	3/1/2022	0	0.3	20.5	79.2	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP08L	14:18	3/1/2022	0	0	20.6	79.4	0	0	>>>	>>>	>>>	>>>	
GAPGP08U	14:21	3/1/2022	0	0.2	20.3	79.5	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP005	14:26	3/1/2022	0	1.5	16.9	81.6	0	-0.07	>>>	>>>	>>>	>>>	
GAPGP006	14:32	3/1/2022	0	0	20.6	79.4	0	0	>>>	>>>	>>>	>>>	
GAPGP007	14:38	3/1/2022	0	0.2	20.3	79.5	0	0.04	>>>	>>>	>>>	>>>	
GAPGP001	14:43	3/1/2022	0	3	17.2	79.8	0	-0.02	>>>	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements
Tech: GF
Date: 4/6/2022
Temp: 40-48 deg F
Weather: ptly cldy
Baro. Pres: 30.32 @ 900
Qualifier: Steady
Gas Extraction Monitoring Data

Filename: GP220406.XLXS
Inst. Used: Landtec Gem 500 # 547
Time Gem Calib: 1020
Baro. Pres: 30.32 @ 1210

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Referer	Adjus	Valve Pos:	Comments
GAPGP02L	10:33	4/6/2022	0	4.6	15	80.4	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP02M	10:34	4/6/2022	0	0.8	20	79.2	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP02U	10:37	4/6/2022	0	0.3	20.5	79.2	0	0	>>>	>>>	>>>	>>>	
GAPGP03L	10:43	4/6/2022	0	0.7	17.1	82.2	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP03M	10:45	4/6/2022	0	0.5	20	79.5	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP03U	10:47	4/6/2022	0	0.2	20.4	79.4	0	0	>>>	>>>	>>>	>>>	
GAPGP009	10:52	4/6/2022	0	0.2	20.5	79.3	0	0	>>>	>>>	>>>	>>>	
GAPGP004	10:56	4/6/2022	0	0.3	20.6	79.1	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP08L	11:04	4/6/2022	0	0	20.7	79.3	0	0	>>>	>>>	>>>	>>>	
GAPGP08U	11:06	4/6/2022	0	0.3	20.4	79.3	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP005	11:13	4/6/2022	0	0.7	19.4	79.9	0	-0.04	>>>	>>>	>>>	>>>	
GAPGP006	11:19	4/6/2022	0	0.5	20.5	79	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP007	11:34	4/6/2022	0	0.5	20.4	79.1	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP001	11:43	4/6/2022	0	1.1	20.2	78.7	0	0	>>>	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements
Filename: GP220502.XLXS
Tech: GF
Inst. Used: Landtec Gem 500 # 760
Date: 5/2/2022
Time Gem Calib: 940
Temp: 54 deg F
Weather: cldy
Baro. Pres: 30.03 @ 944
Baro. Pres: 30.04 @ 1430
Qualifier: Rising sli
Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Referer	Adjus	Valve Pos:	Comments
GAPGP02L	13:11	5/2/2022	0	5.3	11.8	82.9	0	-0.05	>>>	>>>	>>>	>>>	
GAPGP02M	13:12	5/2/2022	0	1.3	19.3	79.4	0	-0.04	>>>	>>>	>>>	>>>	
GAPGP02U	13:14	5/2/2022	0	0.1	20.4	79.5	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP03L	13:20	5/2/2022	0	0.7	16.4	82.9	0	-0.07	>>>	>>>	>>>	>>>	
GAPGP03M	13:21	5/2/2022	0	0.4	19.9	79.7	0	-0.05	>>>	>>>	>>>	>>>	
GAPGP03U	13:24	5/2/2022	0	0	20.7	79.3	0	-0.03	>>>	>>>	>>>	>>>	
GAPGP009	13:29	5/2/2022	0	0	20.6	79.4	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP004	13:34	5/2/2022	0	0.2	20.5	79.3	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP08L	13:45	5/2/2022	0	0	20.6	79.4	0	0	>>>	>>>	>>>	>>>	
GAPGP08U	13:49	5/2/2022	0	0.2	20.3	79.5	0	0	>>>	>>>	>>>	>>>	
GAPGP005	14:00	5/2/2022	0	1.5	17.6	80.9	0	-0.26	0	>>>	>>>	>>>	
GAPGP006	14:05	5/2/2022	0	0.3	20	79.7	0	0	0	>>>	>>>	>>>	
GAPGP007	14:09	5/2/2022	0	0.4	20.3	79.3	0.2	-0.04	0	>>>	>>>	>>>	
GAPGP001	14:15	5/2/2022	0	0.7	19.9	79.4	0	-0.02	0	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements
Filename: GP220606.XLXS
Tech: GF
Inst. Used: Landtec Gem 500 # 547
Date: 6/6/2022
Time Gem Calib: 1115
Temp: 60-64 deg F
Weather: cldy
Baro. Pres: 30.16 @ 1100
Baro. Pres: 30.16 @ 1330
Qualifier: Steady
Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Refere	Adjus	Valve Pos:	Comments
GAPGP02L	11:26	6/6/2022	0	4.9	12.8	82.3	0	-0.04	>>>	>>>	>>>	>>>	
GAPGP02M	11:29	6/6/2022	0	0.9	19.5	79.6	0	-0.04	>>>	>>>	>>>	>>>	
GAPGP02U	11:31	6/6/2022	0	0.6	19.9	79.5	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP03L	11:38	6/6/2022	0	0.6	18.3	81.1	0	-0.07	>>>	>>>	>>>	>>>	
GAPGP03M	11:39	6/6/2022	0	0.5	20.1	79.4	0	-0.05	>>>	>>>	>>>	>>>	
GAPGP03U	11:41	6/6/2022	0	0.3	20.2	79.5	0	-0.03	>>>	>>>	>>>	>>>	
GAPGP009	12:03	6/6/2022	0	0.2	20.4	79.4	0	0	>>>	>>>	>>>	>>>	
GAPGP004	12:09	6/6/2022	0	0.5	20.1	79.4	0	0	>>>	>>>	>>>	>>>	
GAPGP08L	12:15	6/6/2022	0	0	20.7	79.3	0	0	>>>	>>>	>>>	>>>	
GAPGP08U	12:19	6/6/2022	0	0.6	19.7	79.7	0	0	>>>	>>>	>>>	>>>	
GAPGP005	12:26	6/6/2022	0	1.4	18.5	80.1	0	-0.04	>>>	>>>	>>>	>>>	
GAPGP006	12:32	6/6/2022							>>>	>>>	>>>	>>>	groundwater in screen, no sample
GAPGP007	12:39	6/6/2022	0	0.6	19.9	79.5	0	0	>>>	>>>	>>>	>>>	
GAPGP001	12:47	6/6/2022	0	0.8	19.5	79.7	0	-0.01	>>>	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements
Tech: GF
Date: 7/6/2022
Temp: 63-75 deg F
Weather: ptly cldy
Baro. Pres: 30.13 @
Qualifier: Steady

Filename: GP220706.XLXS
Inst. Used: Landtec Gem 500 # 547
Time Gem Calib: 915
Baro. Pres: 30.13 @ 1130

Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Tempe	Referei	Adjus	Valve Pos:	Comments
GAPGP02L	9:29	7/6/2022	0	4.6	12.5	82.9	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP02M	9:31	7/6/2022	0	1	19.1	79.9	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP02U	9:32	7/6/2022	0	0.9	19.5	79.6	0	0	>>>	>>>	>>>	>>>	
GAPGP03L	9:38	7/6/2022	0	0.7	18.7	80.6	0	-0.08	>>>	>>>	>>>	>>>	
GAPGP03M	9:40	7/6/2022	0	0.5	19.9	79.6	0	-0.06	>>>	>>>	>>>	>>>	
GAPGP03U	9:41	7/6/2022	0	0.4	20	79.6	0	-0.04	>>>	>>>	>>>	>>>	
GAPGP009	9:46	7/6/2022	0	0.3	20.2	79.5	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP004	9:52	7/6/2022	0	0.8	19.8	79.4	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP08L	10:53	7/6/2022	0	0.1	20.4	79.5	0	0	>>>	>>>	>>>	>>>	
GAPGP08U	10:58	7/6/2022	0	0.9	19.2	79.9	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP005	11:03	7/6/2022	0	1.7	18	80.3	0	-0.11	>>>	>>>	>>>	>>>	
GAPGP006	11:09	7/6/2022	0	1	19	80	0	0	>>>	>>>	>>>	>>>	
GAPGP007	11:15	7/6/2022	0	1.1	19.2	79.7	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP001	11:20	7/6/2022	0	1	19.1	79.9	0	-0.01	>>>	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements
Filename: GP220804.XLXS
Tech: MT
Inst. Used: Landtec Gem 500 # 410
Date: 8/4/2022
Time Gem Calib: 1035
Temp: 70-78
Weather: P Cloudy
Baro. Pres: 30.16 @ 1030
Baro. Pres: 30.16 @ 1400
Qualifier: Steady
Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Referer	Adjus	Valve Pos:	Comments
GAPGP02L	10:43	8/4/2022	0	3.6	14.2	82.2	0	-0.05	>>>	>>>	>>>	>>>	
GAPGP02M	10:48	8/4/2022	0	0.9	19.4	79.7	0	-0.03	>>>	>>>	>>>	>>>	
GAPGP02U	10:54	8/4/2022	0	1	19.6	79.4	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP03L	11:06	8/4/2022	0	0.8	19.3	79.9	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP03M	11:11	8/4/2022	0	0.4	20.1	79.5	0	-0.03	>>>	>>>	>>>	>>>	
GAPGP03U	11:14	8/4/2022	0	0.3	20.1	79.6	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP009	11:19	8/4/2022	0	0.2	20.3	79.5	0	-0.03	>>>	>>>	>>>	>>>	
GAPGP004	11:26	8/4/2022	0	0.6	20.2	79.2	0	-0.03	>>>	>>>	>>>	>>>	
GAPGP08L	11:35	8/4/2022	0	0.1	20.5	79.4	0	0	>>>	>>>	>>>	>>>	
GAPGP08U	11:40	8/4/2022	0	1.3	19	79.7	0	0	>>>	>>>	>>>	>>>	
GAPGP005	11:47	8/4/2022	0	0.9	19.4	79.7	0	-0.05	>>>	>>>	>>>	>>>	
GAPGP006	11:55	8/4/2022	0	0.3	20.1	79.6	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP007	12:00	8/4/2022	0	0.4	20	79.6	0	0	>>>	>>>	>>>	>>>	
GAPGP001	12:08	8/4/2022	0	0.9	19.7	79.4	0	0	>>>	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements | Filename: GP220907.XLXS

Tech: MT | Inst. Used: Landtec Gem 500 # 410

Date: 9/7/2022 | Time Gem Calib: 1250

Temp: 83-85F

Weather: Partly Cloudy

Baro. Pres: 30.16 @ 1255 | Baro. Pres: 30.16 @ 1444

Qualifier: S

Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	MT	Different	Temp	Referer	Adjus	Valve Pos:	Comments
GAPGP02L	12:59	9/7/2022	0	2.9	16	81.1	0	-0.06	>>>	>>>	>>>	>>>	
GAPGP02M	13:01	9/7/2022	0	0.8	19.6	79.6	0	-0.03	>>>	>>>	>>>	>>>	
GAPGP02U	13:04	9/7/2022	0	1	19.8	79.2	0	-0.03	>>>	>>>	>>>	>>>	
GAPGP03L	13:12	9/7/2022	0	1	18.6	80.4	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP03M	13:14	9/7/2022	0	0.4	20	79.6	0	-0.04	>>>	>>>	>>>	>>>	
GAPGP03U	13:19	9/7/2022	0	0.3	20.2	79.5	0	-0.002	>>>	>>>	>>>	>>>	
GAPGP009	13:26	9/7/2022	0	0.3	20.3	79.4	0	-0.04	>>>	>>>	>>>	>>>	
GAPGP004	13:40	9/7/2022	0	0.4	20.4	79.2	0	-0.03	>>>	>>>	>>>	>>>	
GAPGP08L	13:49	9/7/2022	0	0.2	20.2	79.6	0	0	>>>	>>>	>>>	>>>	
GAPGP08U	13:53	9/7/2022	0	0.2	20.6	79.2	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP005	14:09	9/7/2022	0	0.3	20.1	79.6	0	-0.04	>>>	>>>	>>>	>>>	
GAPGP006	14:18	9/7/2022	0	0.3	20.1	79.6	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP007	14:25	9/7/2022	0	0.8	19.5	79.7	0	0	>>>	>>>	>>>	>>>	
GAPGP001	14:31	9/7/2022	0	0.4	18.9	80.7	0	0	>>>	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements

Filename: GP221012.xlxs

Tech: CC

Inst. Used: Landtec Gem 500 # 547

Date: 10/12/2022

Time Gem Calib: 11:30AM

Temp: 73 F

Time Gem Checked: 11:30AM

Weather: Mostly Clear

Baro. Pres: 30.27 @ 1050

Baro. Pres: 30.27 @ 1340

Qualifier: Steady

Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Refere	Adjus	Valve Pos:	Comments
GAPGP02L	11:48	10/12/2022	0	2.5	17	80.5	0.2	0	>>>	>>>	>>>	>>>	
GAPGP02M	11:53	10/12/2022	0	0.7	20.1	79.2	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP02U	11:56	10/12/2022	0	0.8	20.2	79	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP03L	12:08	10/12/2022	0	1	19	80	0	0.03	>>>	>>>	>>>	>>>	
GAPGP03M	12:15	10/12/2022	0	0.5	20.2	79.3	0	0.02	>>>	>>>	>>>	>>>	
GAPGP03U	12:17	10/12/2022	0	0.3	20.6	79.1	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP009	12:26	10/12/2022	0	0.3	20.7	79	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP004	12:37	10/12/2022	0	0.5	20.4	79.1	0	-0.02	>>>	>>>	>>>	>>>	
GAPGP08L	12:51	10/12/2022	0	0	20.9	79.1	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP08U	12:56	10/12/2022	0	0.8	20.3	78.9	0	-0.01	>>>	>>>	>>>	>>>	
GAPGP005	13:08	10/12/2022	0	0.3	20.5	79.2	0	0.03	>>>	>>>	>>>	>>>	
GAPGP006	13:14	10/12/2022	0	0.4	20.6	79	0	0.01	>>>	>>>	>>>	>>>	
GAPGP007	13:24	10/12/2022	0.1	0.5	20.2	79.2	-0.1	0.01	>>>	>>>	>>>	>>>	
GAPGP001	13:31	10/12/2022	0	0.6	20.2	79.2	0	-0.02	>>>	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements
Filename: GP221108.XLXS

Tech: GF
Inst. Used: Landtec Gem 500 # 760

Date: 11/8/2022
Time Gem Calib: 1205

Temp: 32 deg F

Weather: ptly cldy

Baro. Pres: 30.1 @ 900
Baro. Pres: 30.15 @ 1227

Qualifier: Rising

Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Tempe	Refere	Adjus	Valve Pos:	Comments
GAPGP02L	11:16	11/8/2022	0	3.4	16.1	80.5	0	0.03	>>>	>>>	>>>	>>>	
GAPGP02M	11:18	11/8/2022	0	1.2	19.8	79	0	0.03	>>>	>>>	>>>	>>>	
GAPGP02U	11:20	11/8/2022	0	0.6	20.5	78.9	0	0.02	>>>	>>>	>>>	>>>	
GAPGP03L	11:32	11/8/2022	0	1.4	19.3	79.3	0	0.07	>>>	>>>	>>>	>>>	
GAPGP03M	11:34	11/8/2022	0	0.6	20.1	79.3	0	0.06	>>>	>>>	>>>	>>>	
GAPGP03U	11:35	11/8/2022	0	0.3	20.6	79.1	0	0.04	>>>	>>>	>>>	>>>	
GAPGP009	11:39	11/8/2022	0	0.4	20.8	78.8	0	0.01	>>>	>>>	>>>	>>>	
GAPGP004	11:43	11/8/2022	0	1.1	20.4	78.5	0	0.01	>>>	>>>	>>>	>>>	
GAPGP08L	11:47	11/8/2022	0	0	20.9	79.1	0	0	>>>	>>>	>>>	>>>	
GAPGP08U	11:51	11/8/2022	0	0.8	20.7	78.5	0	0.01	>>>	>>>	>>>	>>>	
GAPGP005	11:56	11/8/2022	0	0.6	19.9	79.5	0	0.1	>>>	>>>	>>>	>>>	
GAPGP006	11:59	11/8/2022	0	0.2	20.7	79.1	0	0.02	>>>	>>>	>>>	>>>	
GAPGP007	12:03	11/8/2022	0	0.4	20.6	79	0	0	>>>	>>>	>>>	>>>	
GAPGP001	12:08	11/8/2022	0	0.8	19.5	79.7	0	0	>>>	>>>	>>>	>>>	

Greenacres Landfill Gas Measurements
Filename: GP221205.XLXS
Tech: GF
Inst. Used: Landtec Gem 500 # 760
Date: 12/5/2022
Time Gem Calib: 1300
Temp: 25 deg F
Weather: cldy
Baro. Pres: 30.16 @ 930
Baro. Pres: 1444 @ 1445
Qualifier: steady
Gas Extraction Monitoring Data

Code	Time	Date	CH4	CO2	O2	Bal	Static Pres	Different	Temp	Refere	Adjus	Valve Pos:	Comments
GAPGP02L	13:10	12/5/2022	0	3.8	16.4	79.8	0	0.02	>>>	>>>	>>>	>>>	
GAPGP02M	13:13	12/5/2022	0	1.2	19.7	79.1	0	0.01	>>>	>>>	>>>	>>>	
GAPGP02U	13:14	12/5/2022	0	0.4	20.5	79.1	0	0	>>>	>>>	>>>	>>>	
GAPGP03L	13:20	12/5/2022	0	1.3	19.4	79.3	0	0.04	>>>	>>>	>>>	>>>	
GAPGP03M	13:24	12/5/2022	0	0.1	20.5	79.4	0	0.03	>>>	>>>	>>>	>>>	
GAPGP03U	13:32	12/5/2022	0	0.1	20.5	79.4	0	0.02	>>>	>>>	>>>	>>>	
GAPGP009	13:40	12/5/2022	0	0.3	20.4	79.3	0	0	>>>	>>>	>>>	>>>	
GAPGP004	13:44	12/5/2022	0	1.8	18.8	79.4	0	0	>>>	>>>	>>>	>>>	
GAPGP08L	13:49	12/5/2022	0	0	20.5	79.5	0	0	>>>	>>>	>>>	>>>	
GAPGP08U	13:52	12/5/2022	0	1	20.2	78.8	0	0	>>>	>>>	>>>	>>>	
GAPGP005	13:59	12/5/2022	0	1.7	15.9	82.4	0	0.05	>>>	>>>	>>>	>>>	
GAPGP006	14:03	12/5/2022	0	0.6	20.2	79.2	0	0	>>>	>>>	>>>	>>>	
GAPGP007	14:31	12/5/2022	0	0.3	20.3	79.4	0	0.03	>>>	>>>	>>>	>>>	
GAPGP001	14:35	12/5/2022	0	8.6	3.1	88.3	0	0.01	>>>	>>>	>>>	>>>	