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

January 15, 2021

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

RE: Greenacres Landfill Groundwater Monitoring Annual Progress Report

Dear Bill,

Enclosed is a copy of the Greenacres Groundwater Monitoring Annual Progress Report for November 2020.

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

Sincerely,

Austin Stewart
Water Resource Specialist

Enc.

1026 West Broadway Avenue, 4th Floor • Spokane, WA 99260-0430
Phone: (509) 477-3604 • Fax: (509) 477-4715 • TDD: (509) 477-7133

GREENACRES LANDFILL ANNUAL PROGRESS REPORT
NOVEMBER 2020

Spokane County
WASHINGTON

TABLE OF CONTENTS

TABLES

FIGURES

1. INTRODUCTION

GREENACRES LANDFILL INFORMATION SUMMARY

SITE:	Greenacres Landfill Section 16, T 25N, R 45E in Spokane County, WA
REPORTING PERIOD:	December 1, 2019 through November 30, 2020.
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 2020. 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

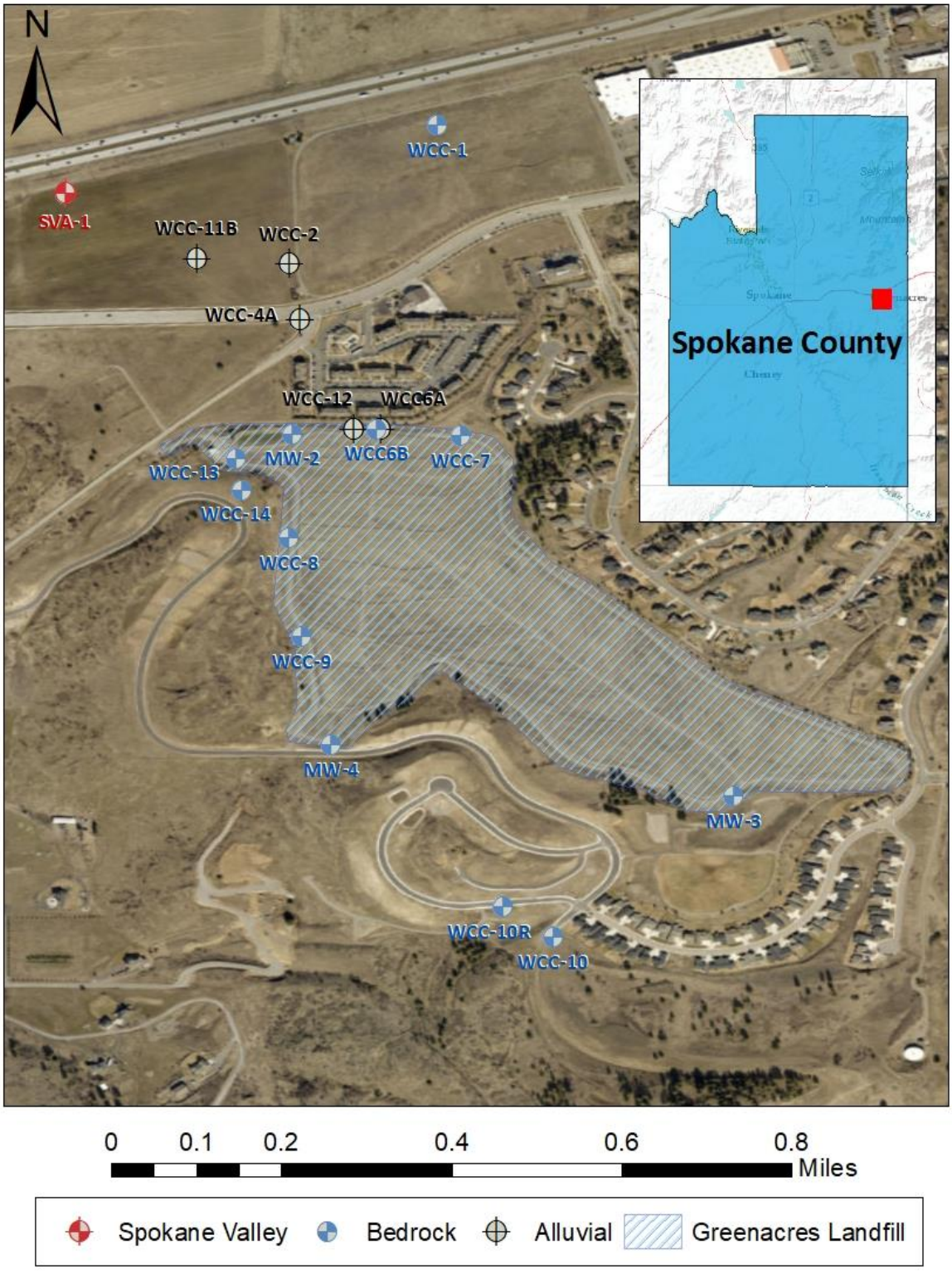


Figure 1-1: Greenacres Landfill Site Map

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

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 2020 sampling event are presented in Appendix A: Groundwater Sampling Field Sheets. The highest turbidity values were seen in wells WCC-10R (bedrock) and WCC-12 (alluvial). Highest conductivities found were present in WCC-12 (alluvial) and WCC-7 (bedrock).

CRITERIA EXCEEDANCE

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

TREND ANALYSIS

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

Alluvial:

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

Bedrock:

Bedrock wells WCC1, WCC7, and WCC9 all show statistically significant decreasing trends for PCE. WCC8 also shows 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 2-6 through Figure 2-10 present time series plots for alluvial aquifer well analyte concentrations. Time series plots for bedrock well analyte concentrations are shown in Figure 2-11 through Figure 2-15. Laboratory analytical results are presented in Appendix C: Laboratory Results.

VOC's:
The alluvial aquifer wells had detectable concentrations for 1,2-DCA, CFC-12, cis-1,2-DCE, PCE, TCE, ad VC during the November sampling event. Alluvial aquifer well WCC-11B was the only well with PCE concentrations remaining above the criteria. Low concentrations of PCE were detected in the bedrock aquifer well WCC-7, and the alluvial aquifer well WCC4A. Low concentrations of cis-1, 2-Dichloroethene were detected in alluvial wells WCC12 and WCC4A. Vinyl chloride concentrations in WCC-12 exceeded criteria, and a low detection was found at WCC-4A. There were detections for TCE in alluvial well WCC11B, but the concentrations continue to remain under the criteria.

SVOC's:
There were no concentrations found above the cleanup criteria for BEHP during this reporting period. Low concentrations of BEHP were detected during the November sampling event for alluvial well WCC-1. There were no detections of 1,4-Dichlorobenzene during the November sampling event.

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

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

SUMMARY

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

Greenacres Landfill Groundwater Elevations

Table 2-1 Greenacres Landfill Groundwater Elevation Data

StationID	Unit	11-2020*
SVA1	Alluvial Aquifer	1956.53
WCC11A	Alluvial Aquifer	1956.58
WCC11B	Alluvial Aquifer	1957.08
WCC12	Alluvial Aquifer	1996.37
WCC2	Alluvial Aquifer	1957.50
WCC4A	Alluvial Aquifer	1964.49
WCC6A	Alluvial Aquifer	2000.64
MW2	Bedrock Aquifer	2051.88
WCC1	Bedrock Aquifer	1957.98
WCC10R	Bedrock Aquifer	2336.57
WCC13	Bedrock Aquifer	2059.22
WCC6B	Bedrock Aquifer	2031.00
WCC7	Bedrock Aquifer	2034.50
WCC8	Bedrock Aquifer	2104.40
WCC9	Bedrock Aquifer	2171.03

*Water Elevations: ft above MSL

Greenacres Estimated Groundwater Contours

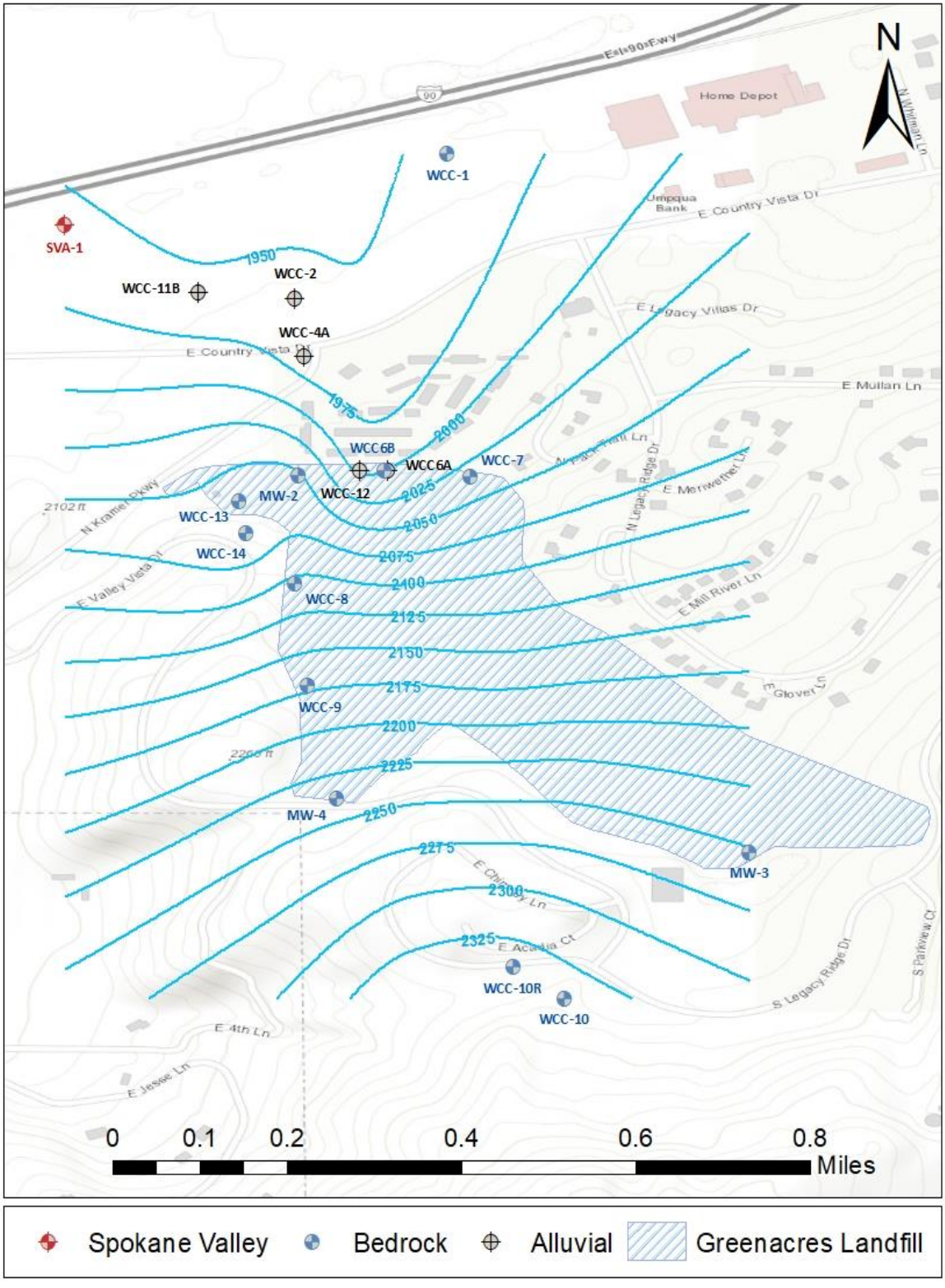


Figure 2-1: Greenacres Landfill Estimated Groundwater Contours - 2020

Greenacres Landfill Field Parameters

Table 2-2 Greenacres Landfill Annual Monitoring Well Field Parameters

StationID	Unit	SampleDate	Temp*	PH*	Conductivity*	Turbidity*
SVA1	Alluvial Aquifer	11/5/2020	11	7.91	279	0.14
WCC11B	Alluvial Aquifer	11/5/2020	12	7.53	728	0.89
WCC12	Alluvial Aquifer	11/5/2020	13	6.68	989	8.76
WCC2	Alluvial Aquifer	11/5/2020	8.9	7.64	452	0.61
WCC4A	Alluvial Aquifer	11/5/2020	12.9	6.83	753	0.21
WCC1	Bedrock Aquifer	11/5/2020	11.7	7.69	497	0.21
WCC10R	Bedrock Aquifer	11/5/2020	11.8	7.89	322	12.7
WCC7	Bedrock Aquifer	11/5/2020	12.9	7.35	760	0.15
WCC8	Bedrock Aquifer	11/5/2020	12.9	7.83	161	0.41
WCC9	Bedrock Aquifer	11/5/2020	11.2	6.56	103	0.21

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

Greenacres Landfill Criteria Exceedances

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

StationID	Unit	SampleDate	Concentration	Criteria	units	Analyte	Type
WCC11B	Alluvial Aquifer	11/5/2020	8.16	5	ug/L	PCE	V
WCC12	Alluvial Aquifer	11/5/2020	0.0356	0.005	mg/L	As	I
WCC12	Alluvial Aquifer	11/5/2020	1.74	0.05	mg/L	Mn	I
WCC12	Alluvial Aquifer	11/5/2020	3.55	1	ug/L	VC	V
WCC2	Alluvial Aquifer	11/5/2020	0.25	0.05	mg/L	Mn	I

Greenacres Landfill Volatile Organic Compound Detections

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

StationID	Unit	SampleDate	1,2-DCA	CFC 12	cis-1,2-DCE	PCE	TCE	VC
WCC11B	Alluvial Aquifer	11/5/2020		1.17		**8.16**	1.05	
WCC12	Alluvial Aquifer	11/5/2020	1.38		4.95			**3.55**
WCC4A	Alluvial Aquifer	11/5/2020			2.77	1.29		0.55
WCC7	Bedrock Aquifer	11/5/2020				1.26		

*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	BEHP
WCC1	Bedrock Aquifer	11/5/2020	**1.47J ***

Criteria exceedances are in **RED**

*****All SVOC samples collected during the November 2020 sampling event were qualified as an estimate (J) due to miscommunications between SVL and Anatek laboratories. These miscommunications caused the SVOC samples to pass their holding time before analysis. A case narrative describing the miscommunications is presented below:

Silver Valley Labs (SVL) project X0K0151 for Spokane County Utilities "Greenacres" was received at Anatek Labs on 11/6/2020 and was not "logged into" the laboratory information management system as work order MAK0379 until 11/16/2020.

This failure in sample handling was attributed to SVL's failure to provide the auto- log file in a timely manner and Anatek labs' poor communication internally, resulting in the SVOC samples missing their extraction holding time (data was qualified). These samples are part of a routine landfill monitoring project and the SVOC data should be valid in this regard (landfill monitoring primarily documents volatile organics contamination).

Greenacres Landfill Conventional Detections

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

StationID	Unit	SampleDate	NO3
WCC10R	Bedrock Aquifer	11/5/2020	1.38
WCC2	Alluvial Aquifer	11/5/2020	1.71
WCC8	Bedrock Aquifer	11/5/2020	1.41
WCC9	Bedrock Aquifer	11/5/2020	1.95

*Criteria exceedances are in **RED**

Greenacres Landfill Inorganic Detections

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

StationID	Unit	SampleDate	As	Mn
WCC10R	Bedrock Aquifer	11/5/2020		0.0224
WCC12	Alluvial Aquifer	11/5/2020	**0.0356**	**1.74**
WCC2	Alluvial Aquifer	11/5/2020		**0.25**
WCC4A	Alluvial Aquifer	11/5/2020		0.0236

*Criteria exceedances are in **RED**

VOC detections/exceedance maps – Tetrachloroethene

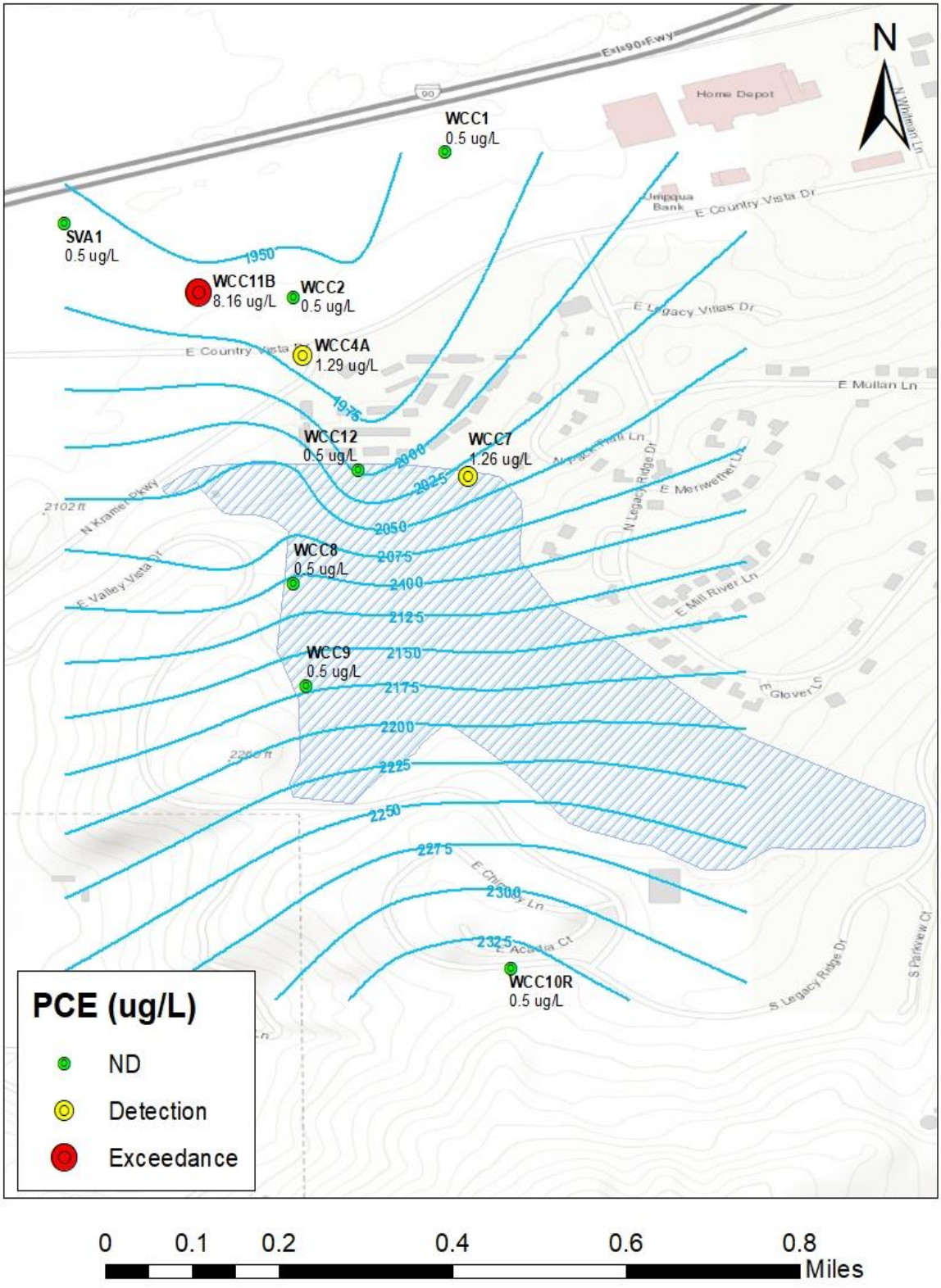


Figure 2-2: Tetrachloroethene detections/exceedance map - 2020

VOC Detections/Exceedance Maps – Vinyl chloride

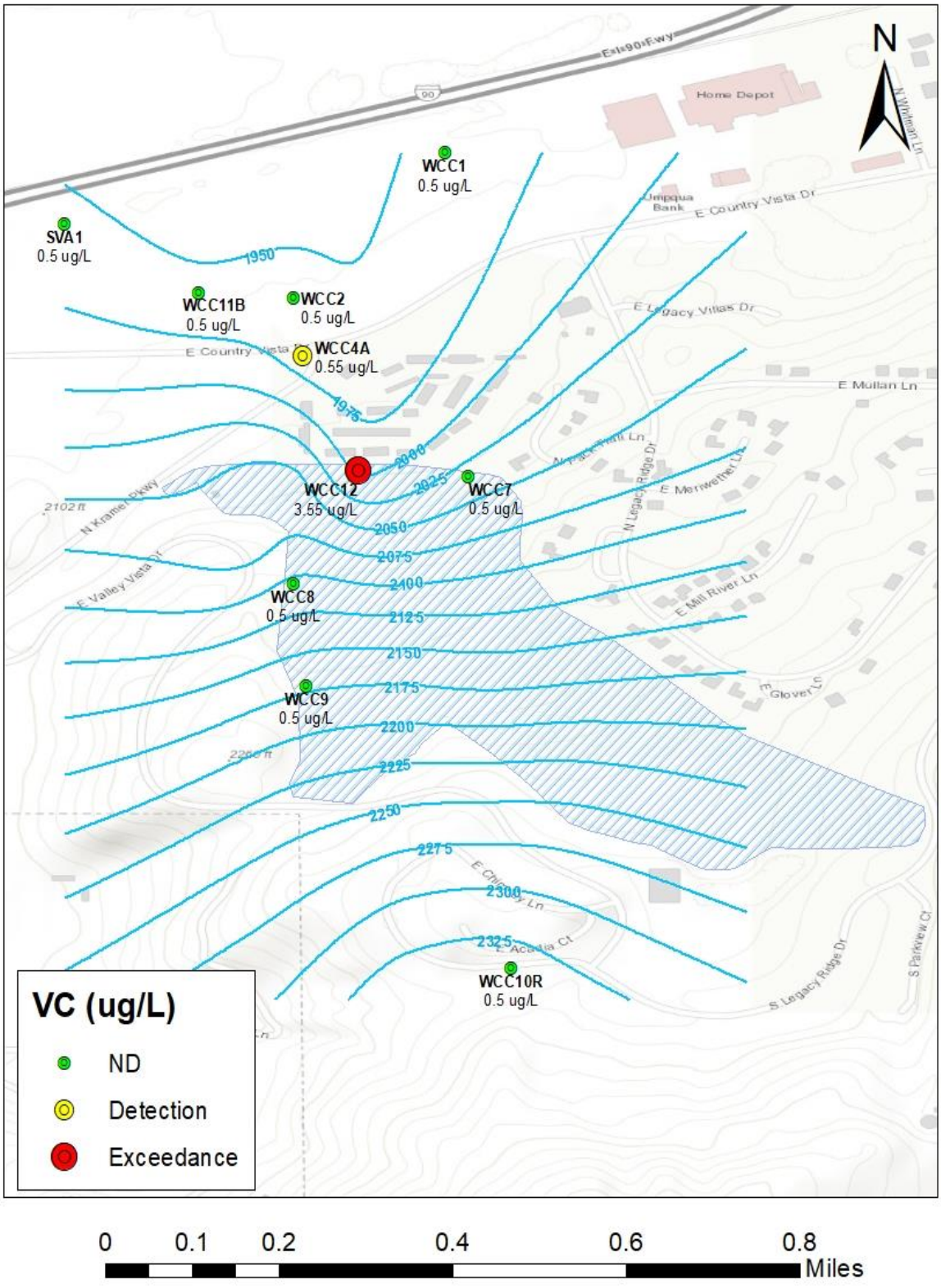


Figure 2-3: Viny chloride detections/exceedance map - 2020

Inorganics Detections/Exceedance Maps – Manganese

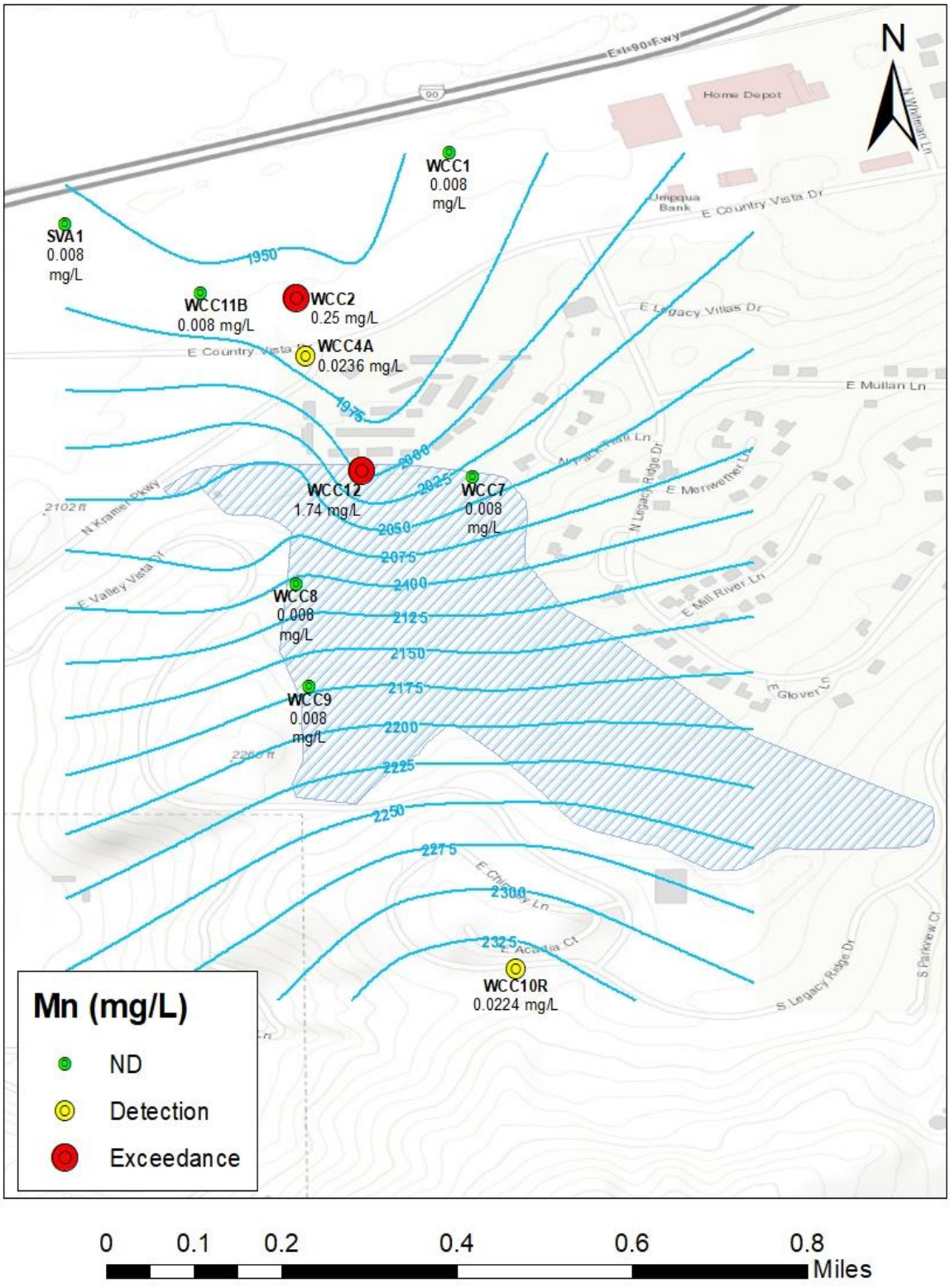


Figure 2-4: Manganese detections/exceedance map - 2020

Inorganic Detections/Exceedance Maps – Arsenic

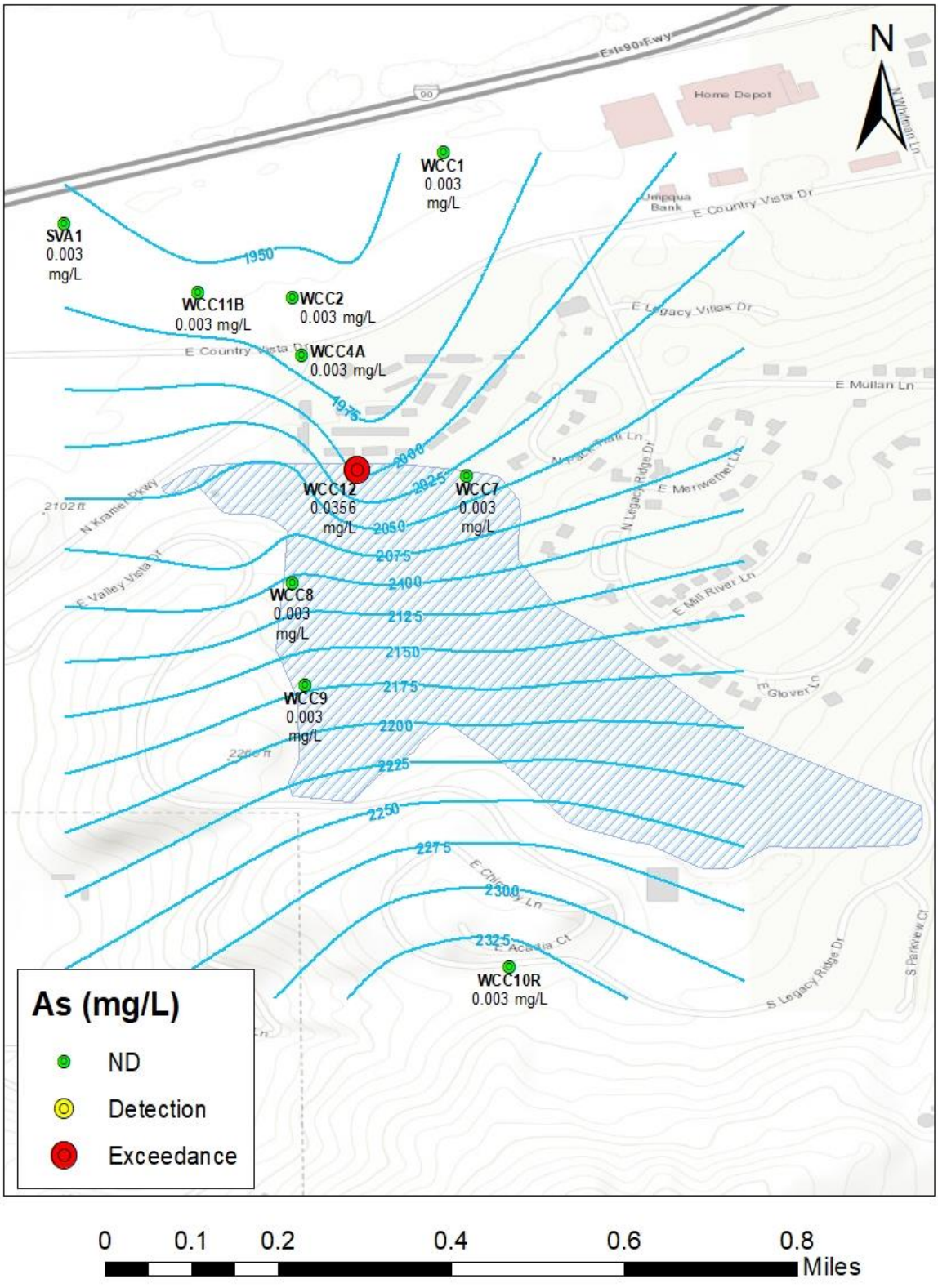


Figure 2-5: Arsenic detections/exceedance map - 2020

Greenacres Landfill Trend Analysis – 2020

Table 2-8: Greenacres Landfill Statistically Significant Trends (Sen's Test) 2020

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

▲ = **Increasing trend**

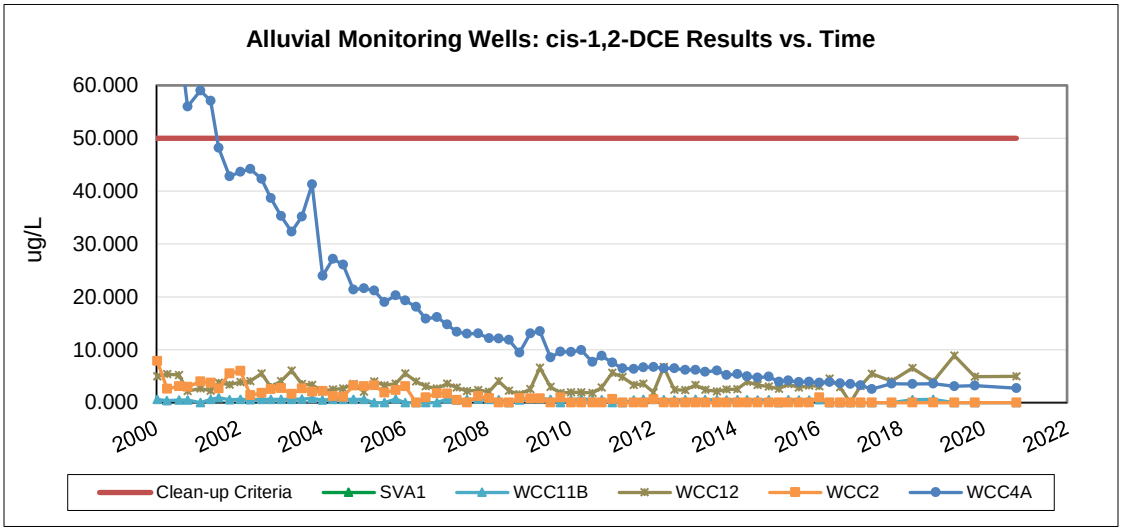
▼ = **Decreasing trend**

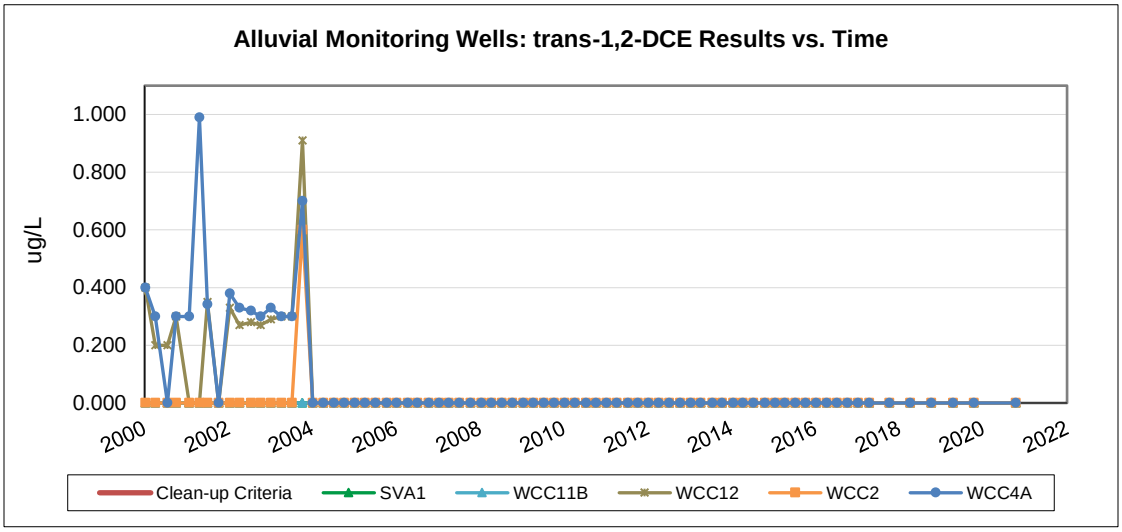
= Criteria exceeded during this reporting period

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

Alluvial Monitoring Wells: VOCs/SVOCs Time Series Graphs

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





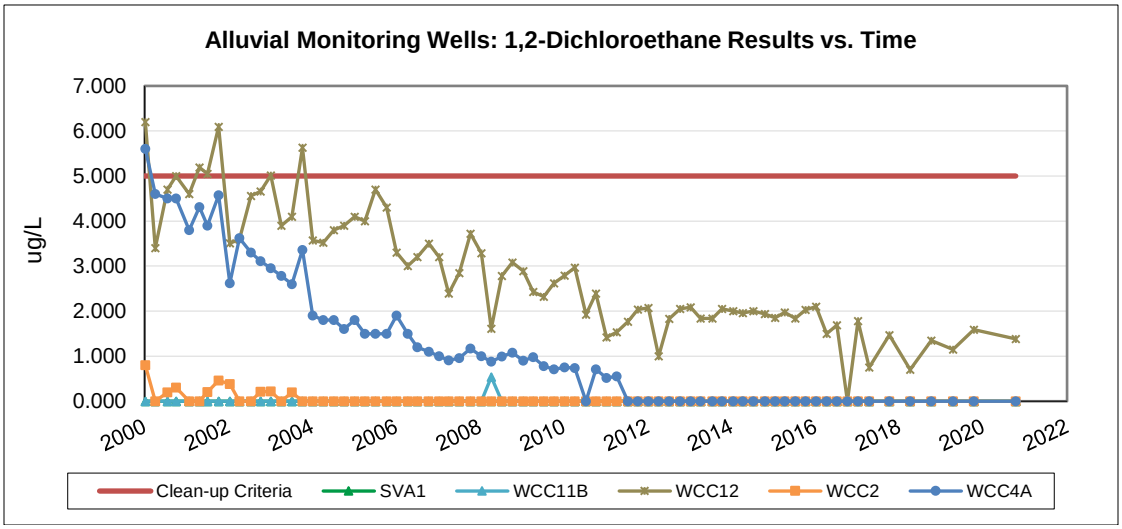
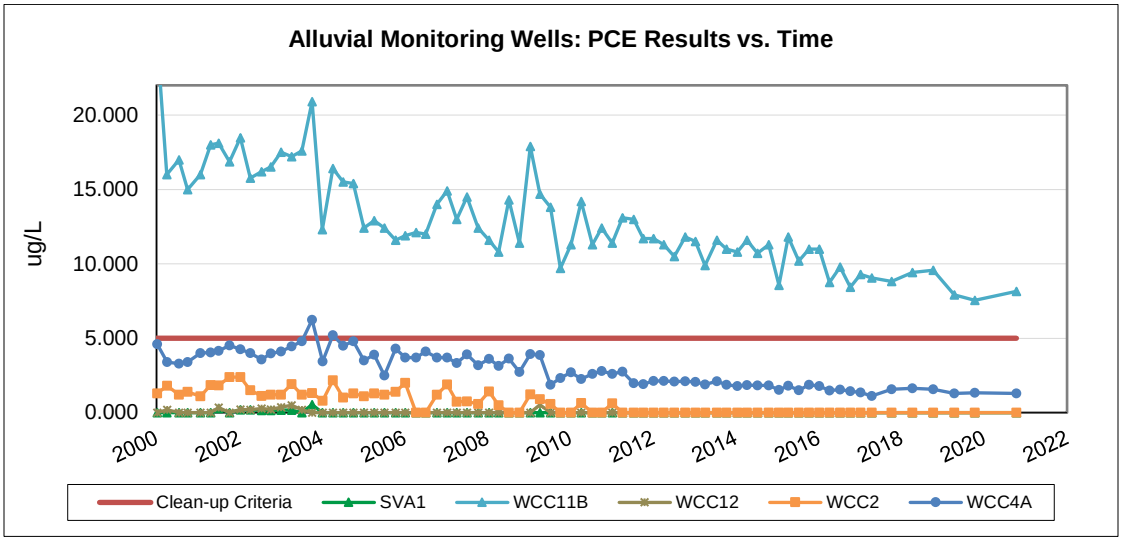
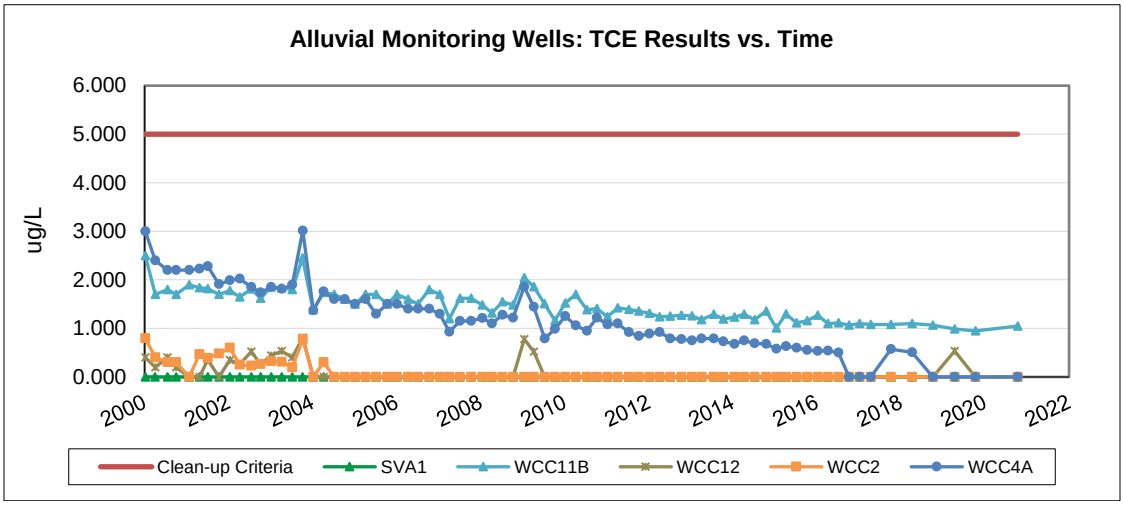


Figure 2-7: Alluvial Wells – VOCs/SVOCs Concentration Graphs (cont.)





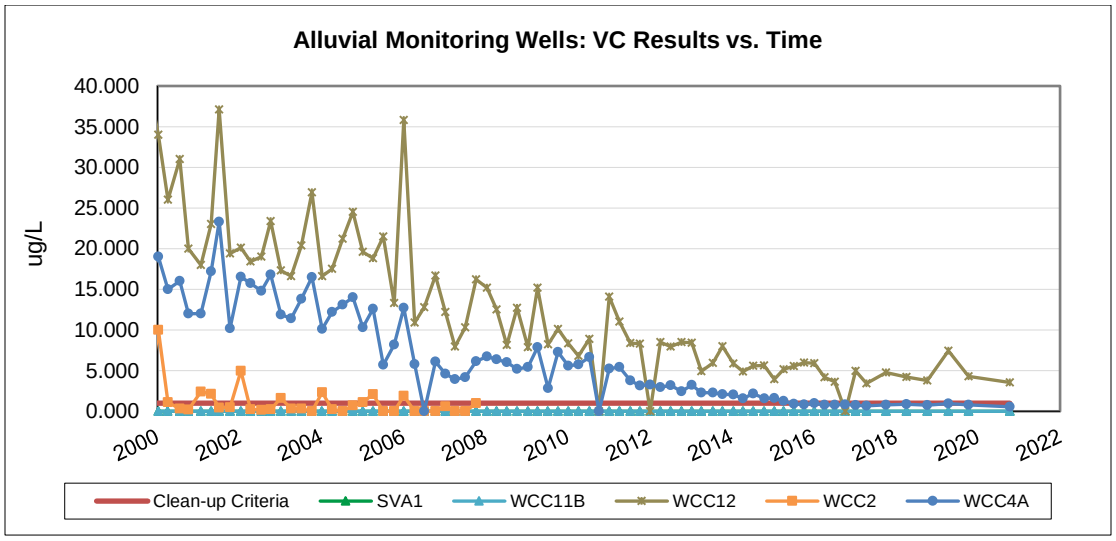
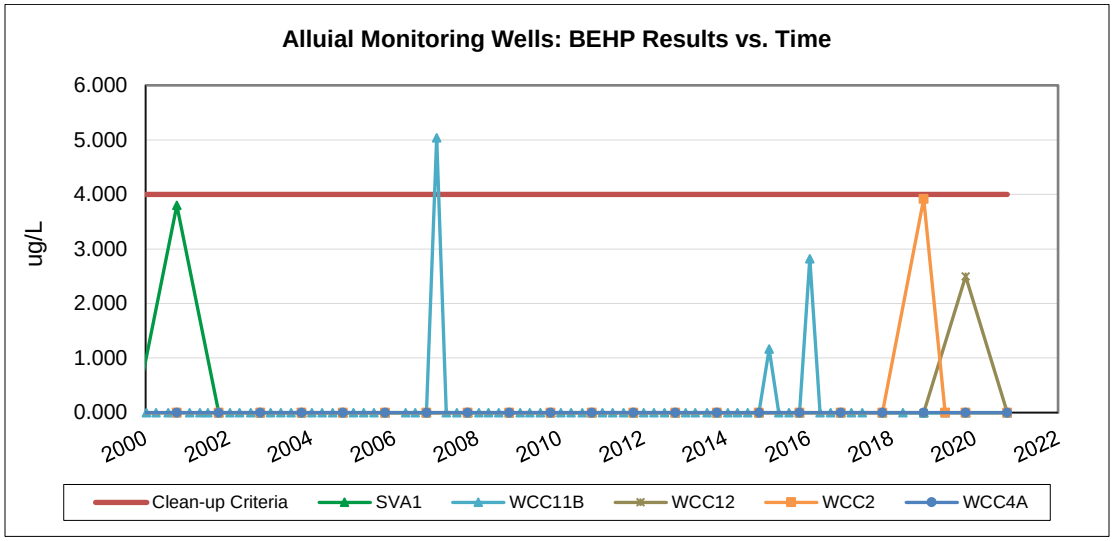
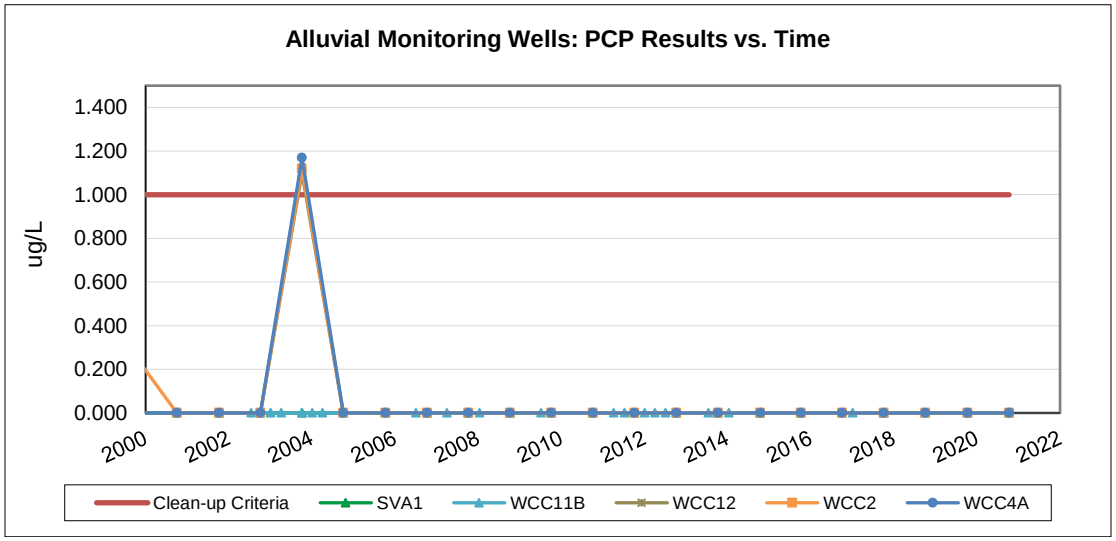


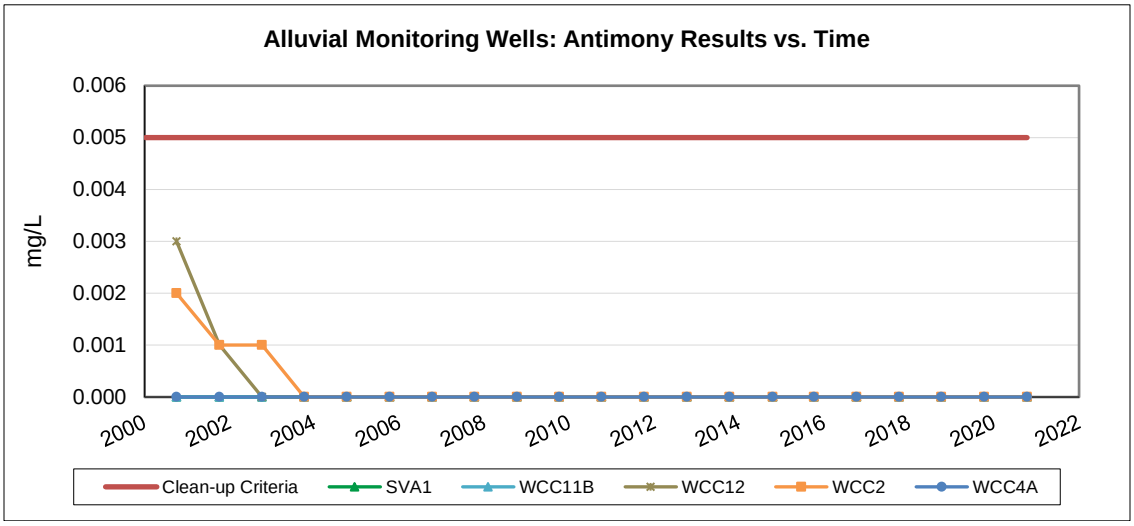
Figure 2-8: Alluvial Wells – VOCs/SVOCs Concentration Graphs (cont.)

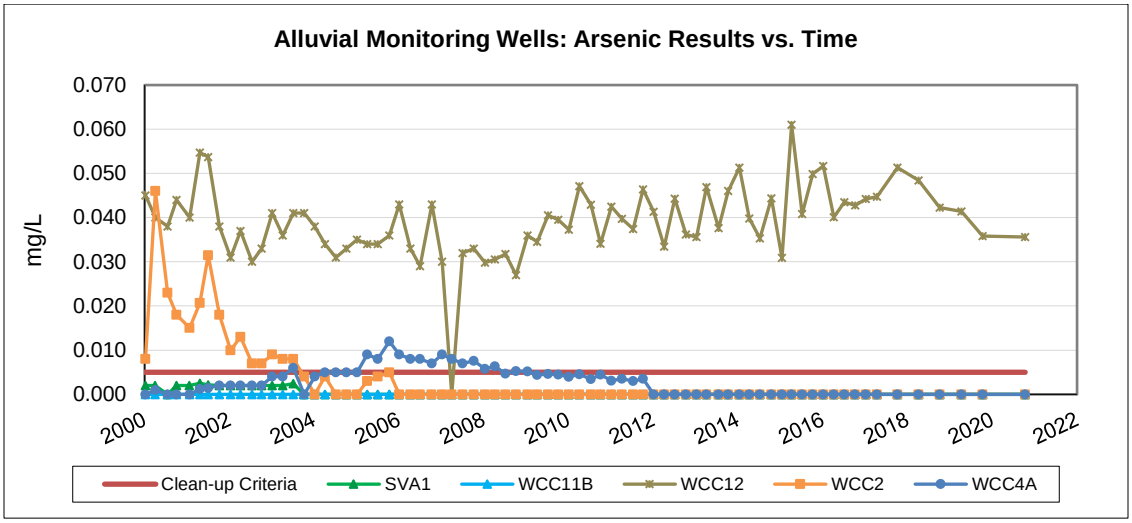




Alluvial Monitoring Wells: Inorganics Time Series Graphs

Figure 2-9: Alluvial wells – Inorganics Concentration Graphs





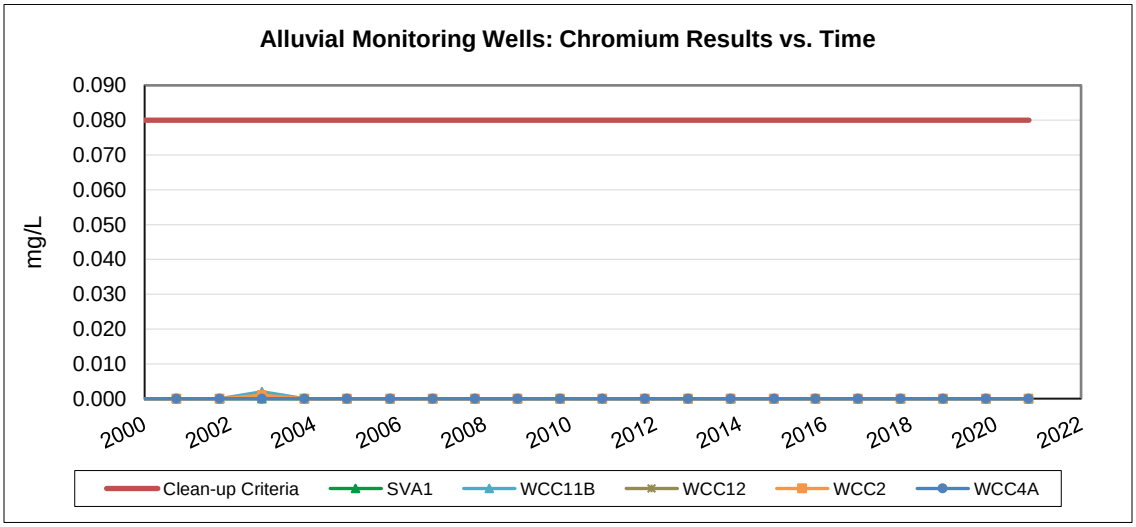
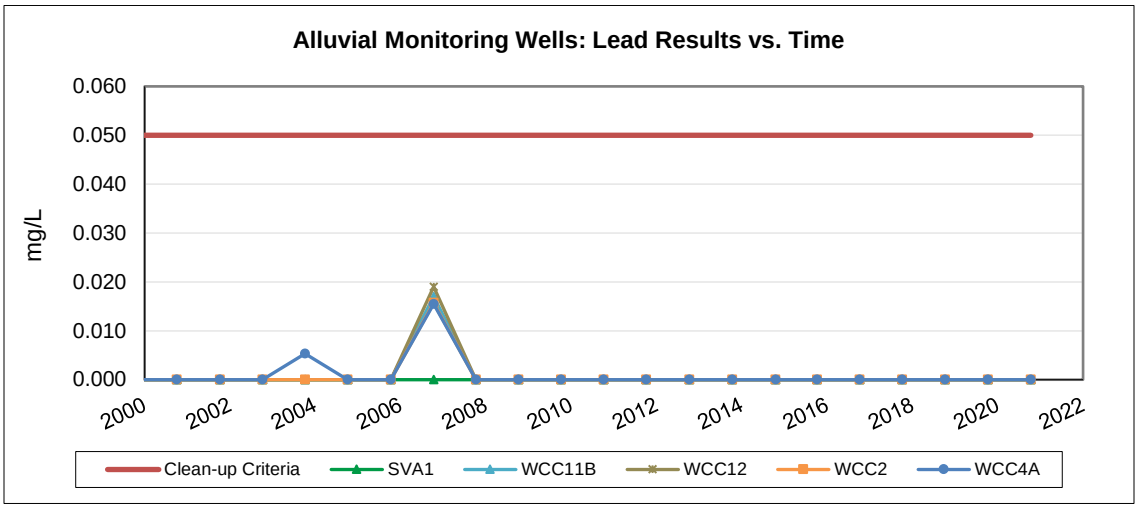
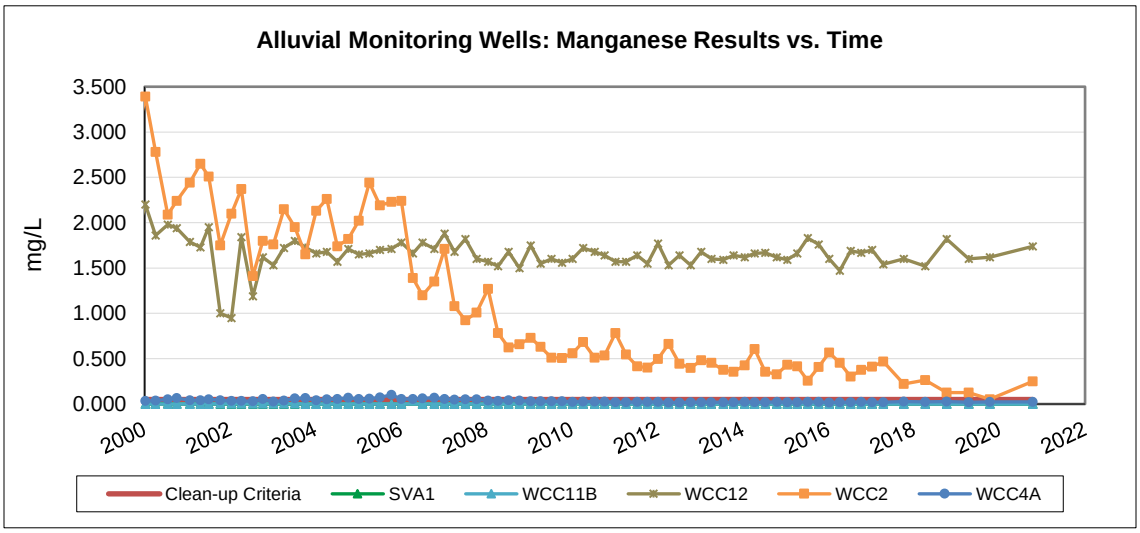


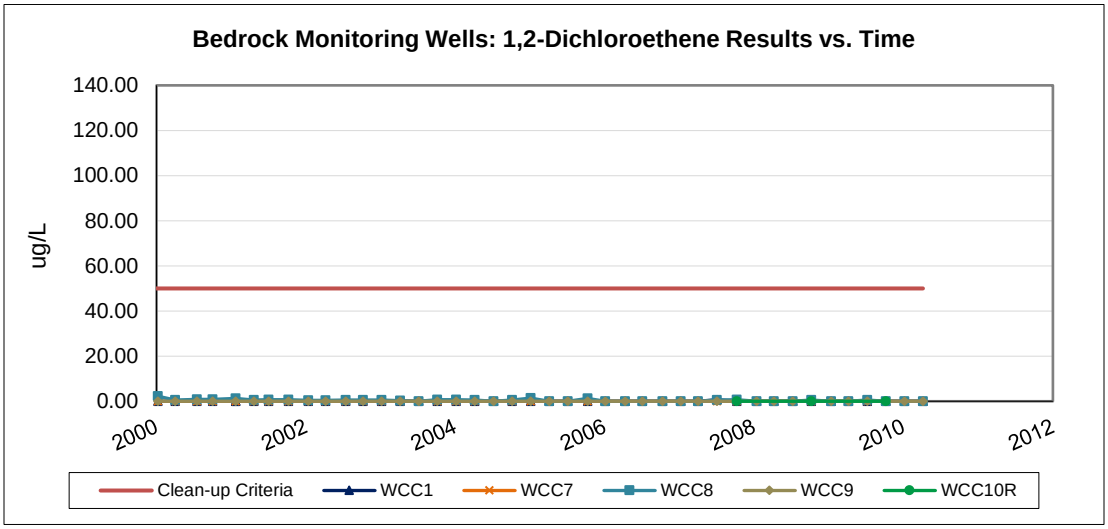
Figure 2-10: Alluvial Wells – Inorganics Concentration Graphs (cont.)

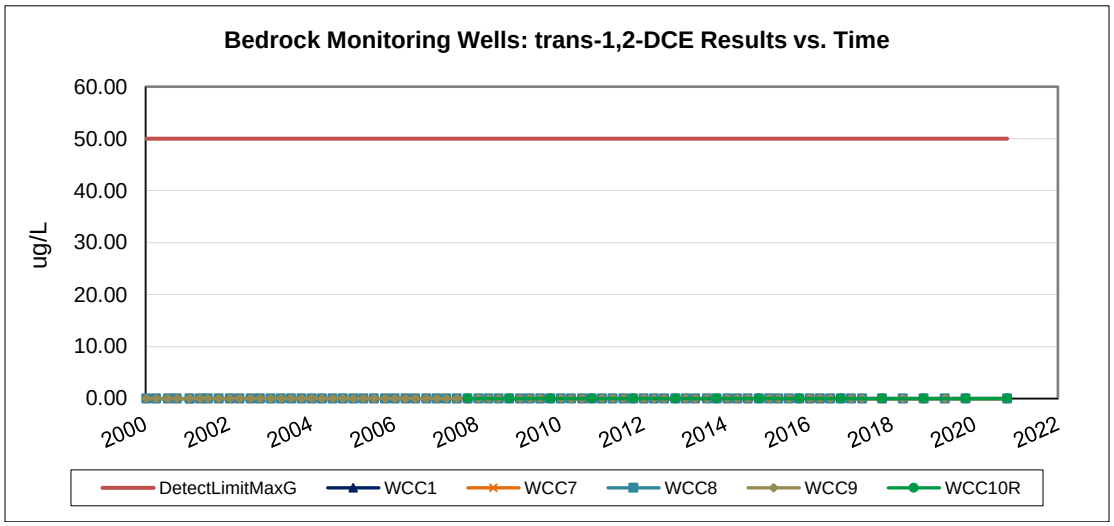




Bedrock Monitoring Wells: VOCs/SVOCs Time Series Graphs

Figure 2-11: Bedrock Wells – VOCs/SVOCs Concentration Graphs





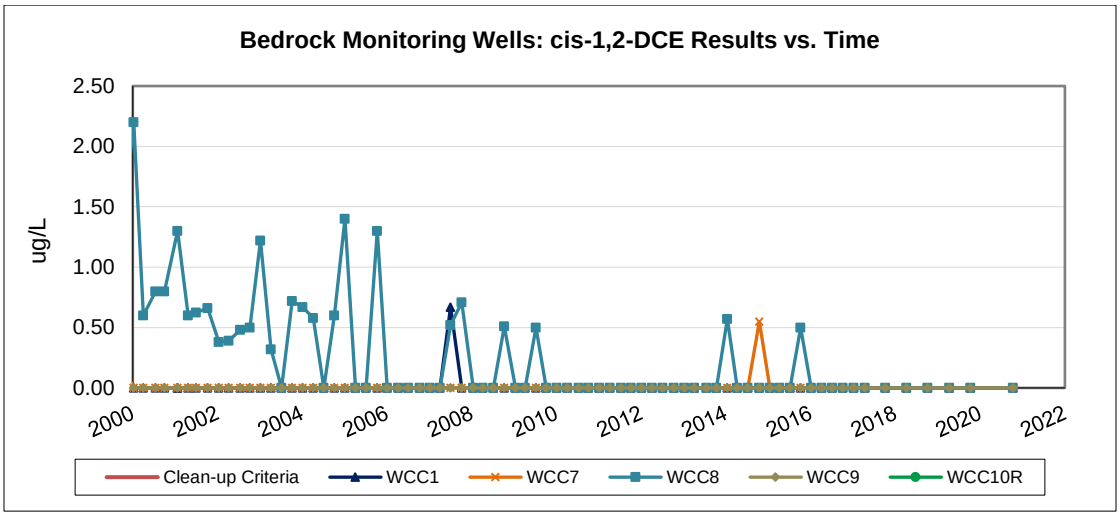
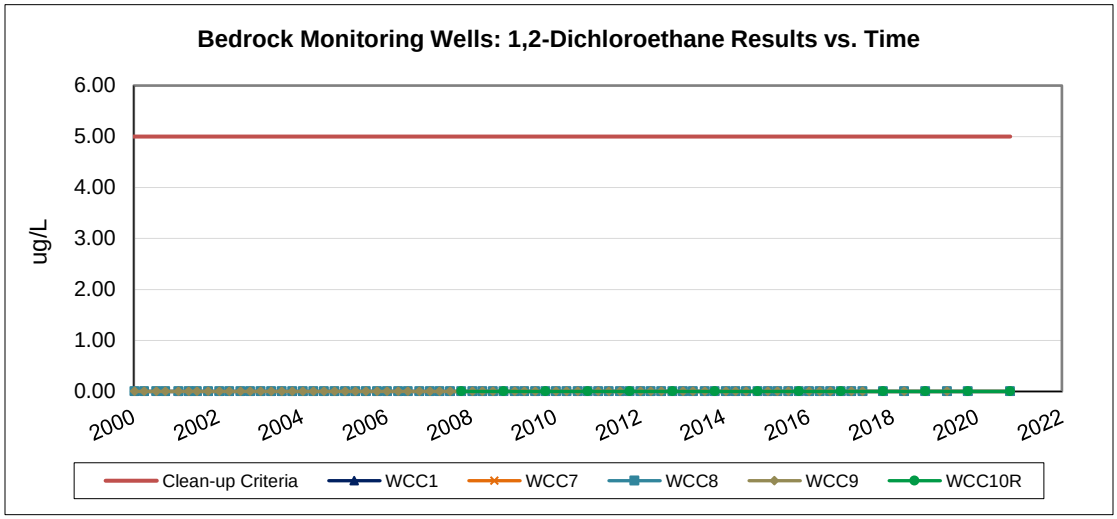
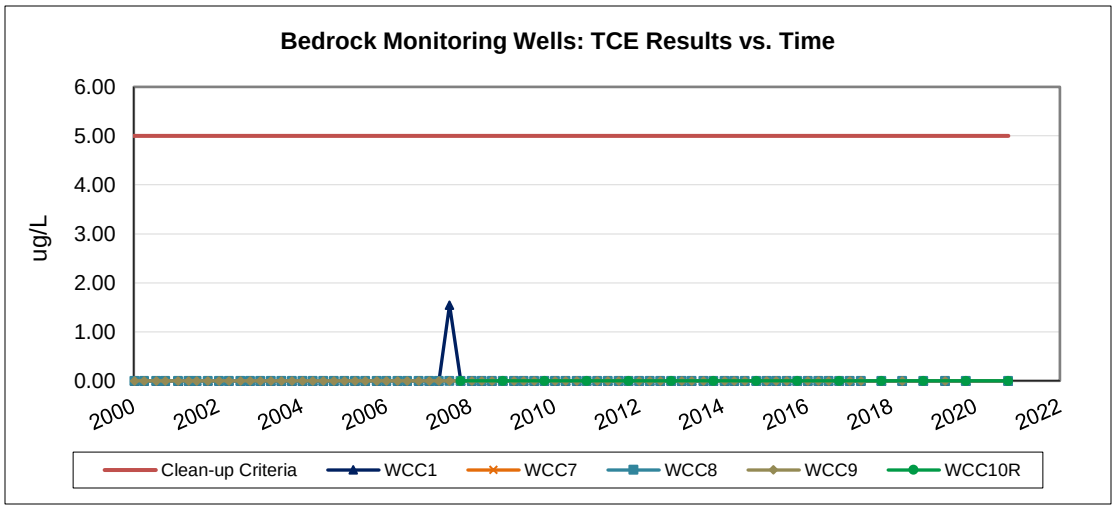


Figure 2-12: Bedrock Wells – VOCs/SVOCs Concentration Graphs (cont.)





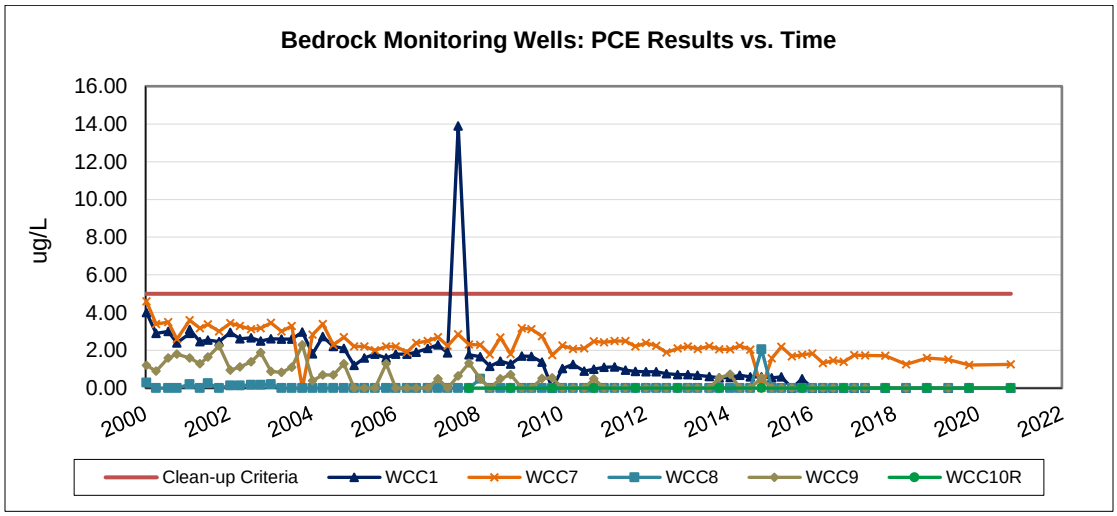
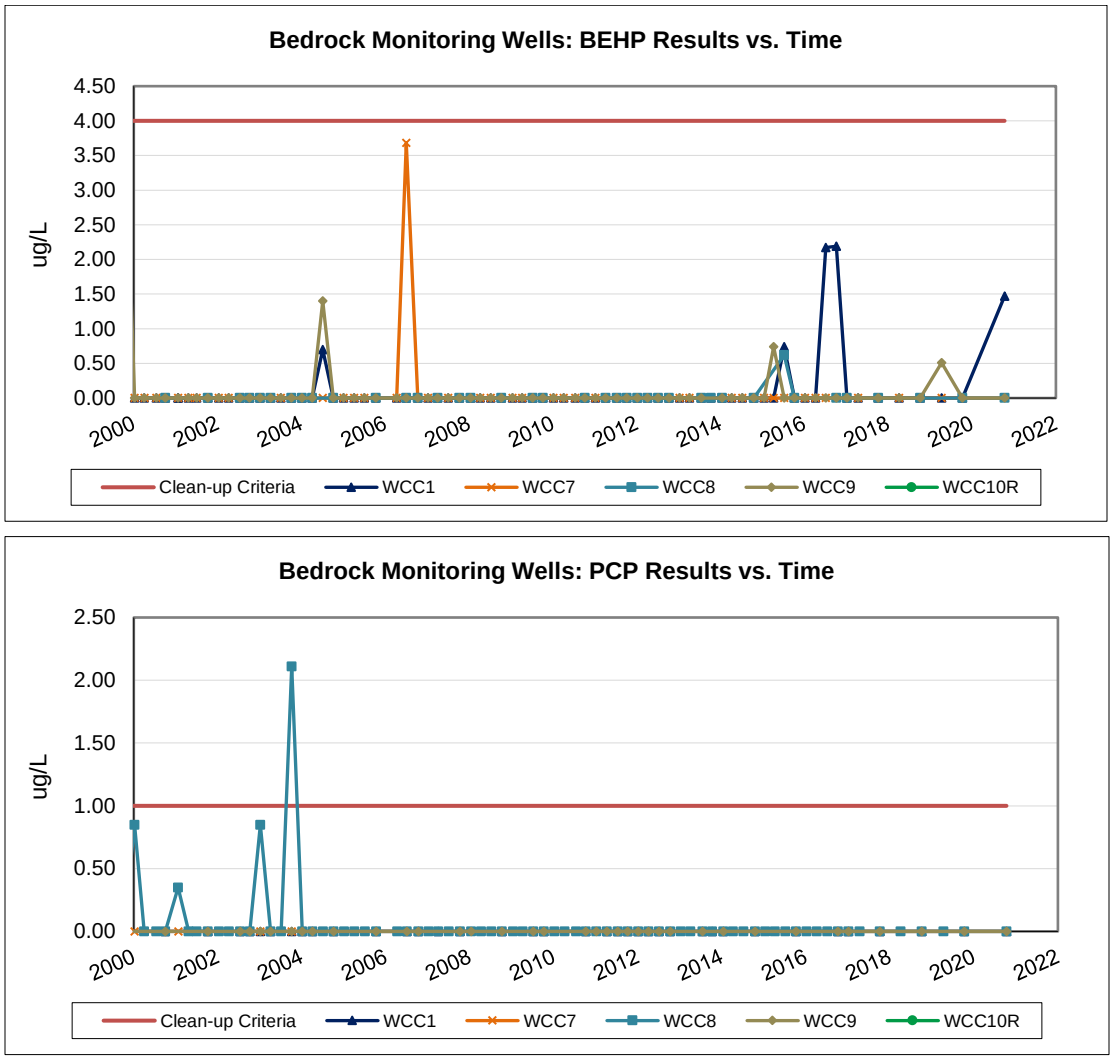
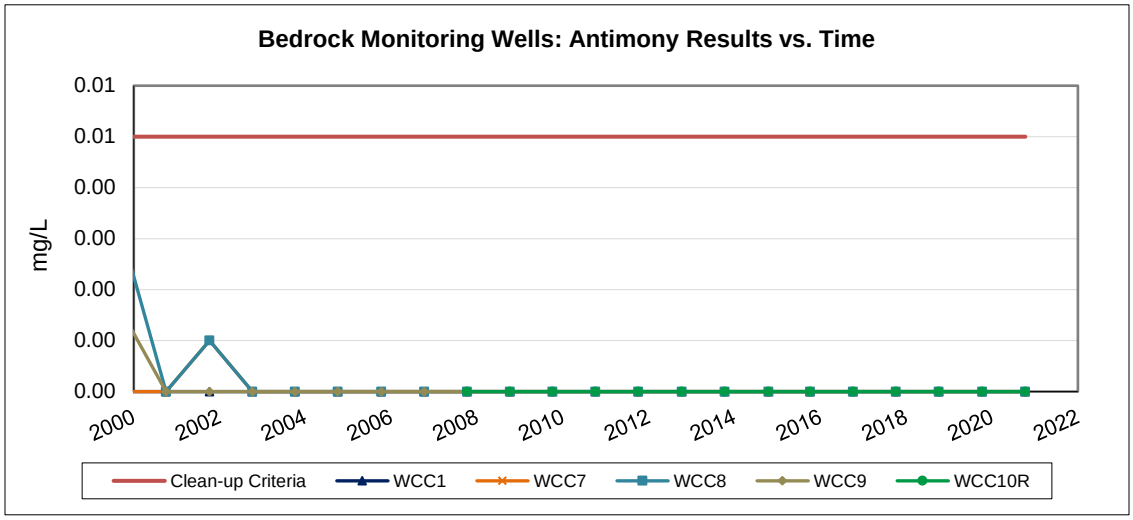


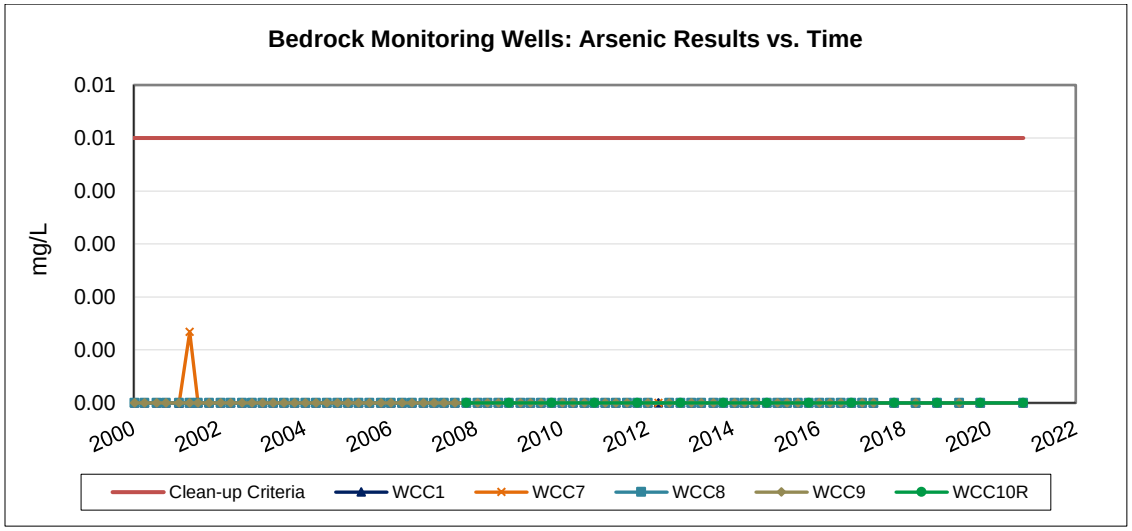
Figure 2-13: Bedrock Wells – VOCs/SVOCs Concentration Graphs (cont.)



Bedrock Monitoring Wells – Inorganics Time Series Graphs

Figure 2-14: Bedrock Wells – Inorganics Concentration Graphs





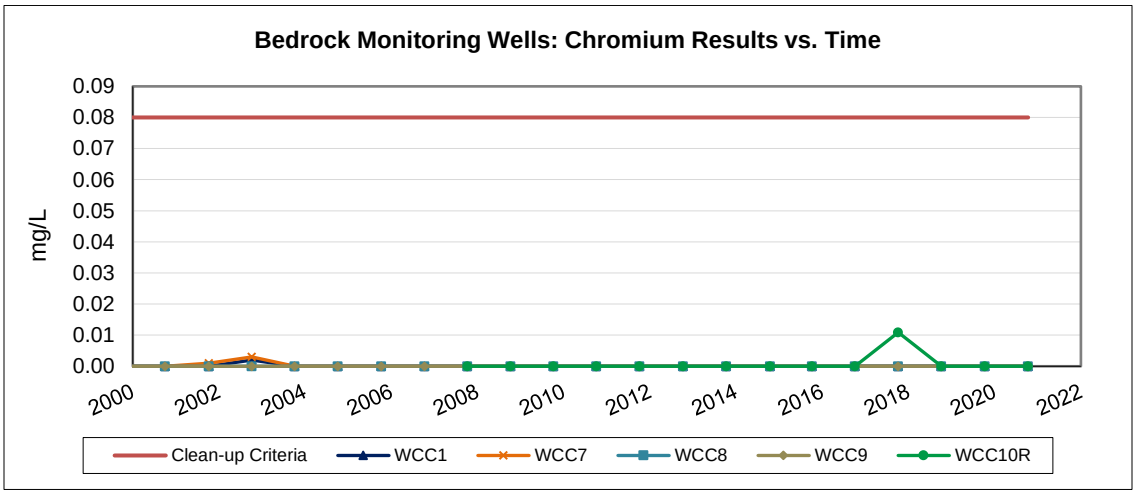
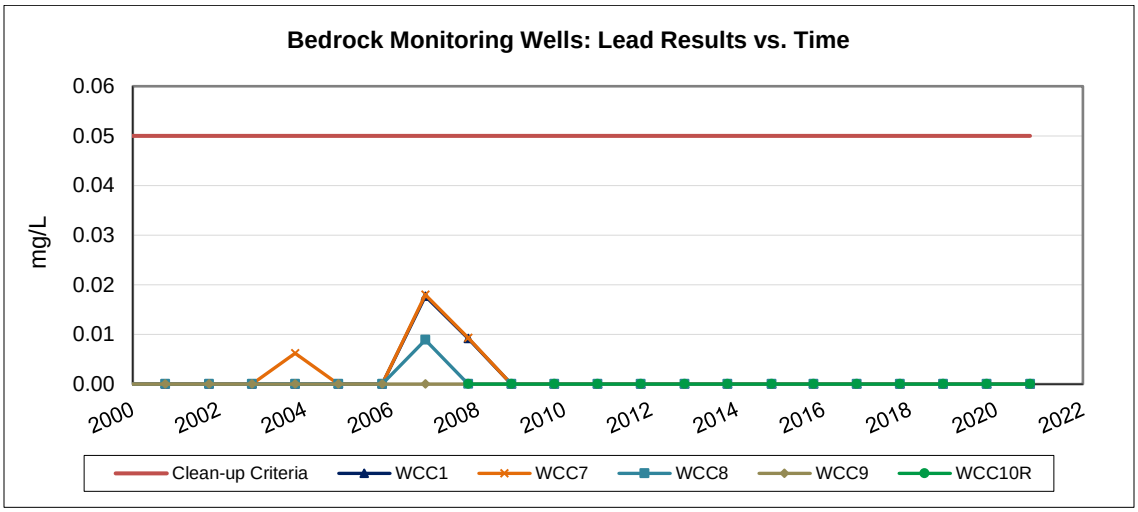
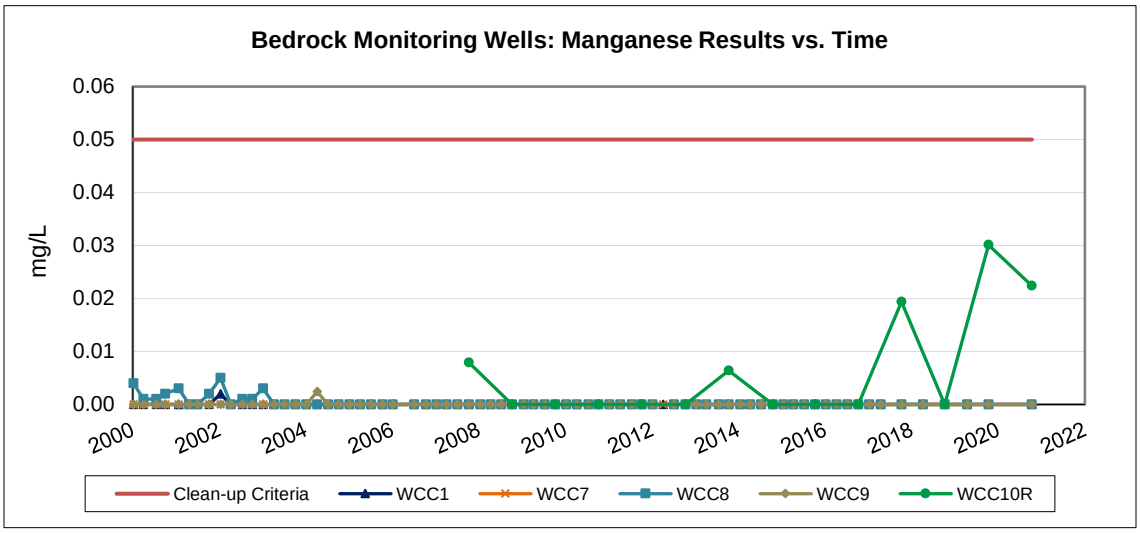


Figure 2-15: Bedrock Wells – Inorganics Concentration Graphs (cont.)





3. GREENACRES LANDFILL GAS

Greenacres Landfill Gas Probe Locations

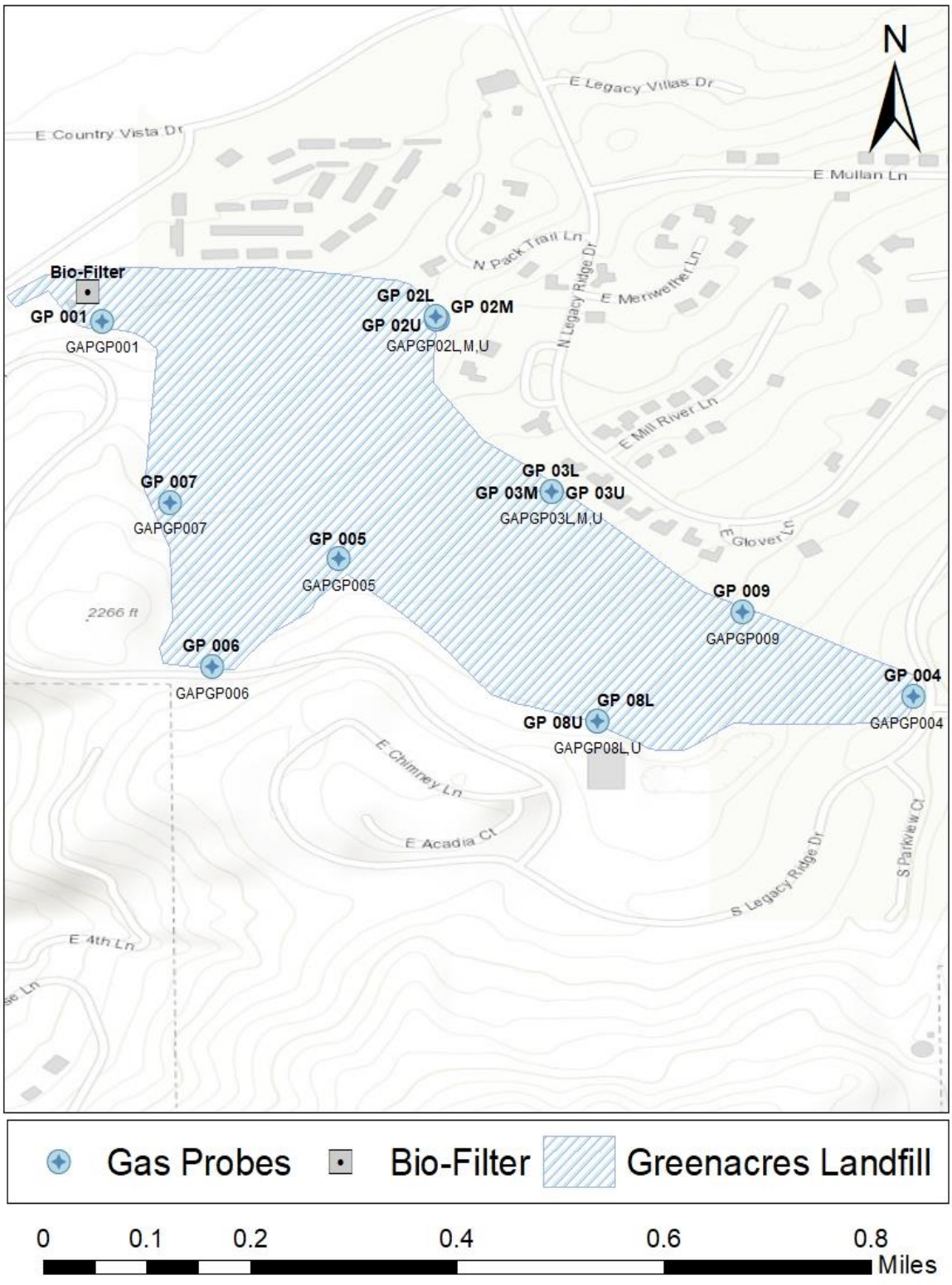


Figure 3-1: Greenacres Landfill Gas Probe Locations

Greenacres Landfill Gas Emission

Table 3-1: Greenacres Landfill Gas Emission Point Summary

Greenacres landfill Emission Point Summary: 2020		
Date	**Flow (cfm)**	**%CH4**
Jan	54	3.4
Feb	43	3.7
Mar	44	3.5
Apr	43	3.3
May	43	2.8
Jun	43	3.1
Jul	43	3.2
Aug	42	3.2
Sep	39	3.2
Oct	43	3.6
Nov	42	3.5
Dec	37	3.7
Total	516	40.2
Average	43.00	3.35
43.00 * 0.66 * 0.0872 = 2.47		* 525,600/10^6 = 1.298 Mft3

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

The Greenacres Landfill produced an estimated 1.3 million cubic feet of landfill gas in 2020, with an average CH4 concentration of 3.35%.

Greenacres Landfill Perimeter Gas Probes

Table 3-2: Greenacres Landfill Perimeter Gas Probe Summary

Greenacres landfill Probe Summary - 2020									
	CH4			CO2			O2		
Probe ID	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
GAPGP001	0.00	0.00	0.00	1.56	0.40	2.30	15.91	14.90	20.50
GAPGP004	0.00	0.00	0.00	0.58	0.50	0.70	20.49	20.30	20.80
GAPGP005	0.00	0.00	0.00	1.84	1.70	2.30	17.72	17.30	18.10
GAPGP006	0.00	0.00	0.00	1.14	0.60	1.30	19.62	19.30	20.40
GAPGP007	0.00	0.00	0.00	0.44	0.30	0.70	20.53	20.10	20.70
GAPGP009	0.00	0.00	0.00	0.38	0.30	0.60	20.52	20.30	20.70
GAPGP02L	0.00	0.00	0.00	3.20	3.00	3.50	15.93	14.30	16.40
GAPGP02M	0.00	0.00	0.00	0.83	0.70	0.90	19.79	19.60	19.90
GAPGP02U	0.00	0.00	0.00	0.63	0.50	1.20	20.39	20.00	20.60
GAPGP03L	0.00	0.00	0.00	0.87	0.80	1.10	19.61	19.40	19.70
GAPGP03M	0.00	0.00	0.00	0.58	0.40	1.10	20.08	19.30	20.30
GAPGP03U	0.00	0.00	0.00	0.42	0.30	0.50	20.49	20.40	20.50
GAPGP08L	0.00	0.00	0.00	0.13	0.10	0.20	20.67	20.40	20.80
GAPGP08U	0.00	0.00	0.00	0.83	0.50	1.70	20.23	19.20	20.60

Appendix A: Groundwater Sampling Field Sheets

GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2020

DATE: 11/05/2020	WELL ID: SVA-1	FIELD TEAM: (MT) GF, KM
SAMPLE ID: W-SVA1-201105	QA / QC SAMPLE ID: -NA-	
FIELD CONDITIONS: CLOUDY MID 50'S STRONG SOUTH WIND		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME:	0821	QA / QC SAMPLE TIME:	—
SAMPLE TIME:	0905	END TIME:	0910

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	445991	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	243	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR			

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL): 5 GAL
TOTAL DEPTH OF WELL (FT): 127.00	3 CASING VOLUME (GAL): 15 GAL
INITIAL DEPTH TO WATER (SWL): 97.94	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT): 29.06	PACKER INFORMATION:
CALCULATION: 29.06 (COW) X 0.17 = 4.94 = 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 / 0835	11.3	7.91	276	CLEAR
10GAL / 0852	11.2	7.92	279	CLEAR
15GAL / 0904	11.0	7.91	279	CLEAR
/				
			TURBIDITY: 0.14	NTU (meas in field lab)

COMMENTS:

* NOTHING OUT OF THE ORDINARY OBSERVED

SEMI-ANNUAL ROUND: MAY ANNUAL ROUND: NOVEMBER

SAMPLE ID: W-SVA1-201105 SAMPLE TIME: 0905

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 bottle

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
GRO DWATER SAMPLING FIELD SHEET 020

DATE: 11/5/2020	WELL ID: WCC-1	FIELD TEAM: (MT) GF, KM
SAMPLE ID: W-WCC1-201105	QA / QC SAMPLE ID: -NA-	
FIELD CONDITIONS: CLOUDY STRONG SOUTH WIND UPPER 50'S		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 0920	QA / QC SAMPLE TIME: -NA-
SAMPLE TIME: 1010	END TIME:

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	445991	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	243	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): 96.52'	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT): 27.48'	PACKER INFORMATION:
CALCULATION: 27.48' (COW) X 0.17 = 4.67 = 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 GAL / 0934	11.9	7.69	493	CLEAR
10 GAL / 0951	11.7	7.70	495	CLEAR
15 GAL / 1007	11.7	7.69	497	CLEAR
/				
			TURBIDITY: 0.21	NTU (meas in field lab)

COMMENTS:

SEMI-ANNUAL ROUND: MAY ANNUAL ROUND: NOVEMBER

SAMPLE ID: W-WCC1-201105 SAMPLE TIME: 1010

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 bottle

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
GRC DWATER SAMPLING FIELD SHEET 2020

DATE: 11-5-2020	WELL ID: WCC2	FIELD TEAM: MT (GF) KM
SAMPLE ID: W-WCC2-201105	QA / QC SAMPLE ID: NA	
FIELD CONDITIONS: cldy, 57°		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1051	QA / QC SAMPLE TIME: NA
SAMPLE TIME: 1123	END TIME: 1130

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	370573	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	1312423	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): 4
TOTAL DEPTH OF WELL (FT): 123.00'	3 CASING VOLUME (GAL): 12
INITIAL DEPTH TO WATER (SWL): 101.80'	PURGE RATE:
PACKER DEPTH: NA	
COW ~~ABOVE PACKER (FT):~~ 21.20'	PACKER INFORMATION:
CALCULATION: 21.20 (COW) X 0.17 = 3.6 use 4.0 (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
4 / 1101	8.8	7.61	453	some tan/brn sand particles in H_2O
8 / 1111	8.8	7.62	451	fewer brn sand particles in H_2O
12 / 1122	8.9	7.64	452	a few brn sand particles in H_2O
/				
			TURBIDITY: 0.61	NTU (meas in field lab)

COMMENTS:

SEMI-ANNUAL ROUND: MAY ANNUAL ROUND: NOVEMBER

SAMPLE ID: W-WCC2-201105 SAMPLE TIME: 1123

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

All parameters

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 bottle

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
GRO DWATER SAMPLING FIELD SHEET 020

DATE: 11-5-2020	WELL ID: WCC - 4a	FIELD TEAM: MT , GF, KM
SAMPLE ID: W-WCC4a - 201105	QA / QC SAMPLE ID: —	
FIELD CONDITIONS: Mostly cloudy 57°F (windy)		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1008	QA / QC SAMPLE TIME:
SAMPLE TIME: 1057	END TIME: 1100

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	3466697	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	46A	Std. to 700 umhos/cm
TURBIDITY	Hach 2100P	#020100024957	Std to 4.02, 39.4, & 331 NTU
SWL INDICATOR			

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL):
TOTAL DEPTH OF WELL (FT): 138.00	3 CASING VOLUME (GAL):
INITIAL DEPTH TO WATER (SWL): 100.82	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT):	PACKER INFORMATION:
CALCULATION: 37.18 X 0.17 = 6.32 = 6.5 gallon (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
6.5 / 1025	13.0	6.82	749	Clear
13 / 1040	13.0	6.81	753	Clear
19.5 / 1052	12.9	6.83	753	Clear
/				
			TURBIDITY: 0.21	NTU (meas in field lab)

COMMENTS:

25 17 42

40 15 55

SEMI-ANNUAL ROUND: MAY **ANNUAL ROUND: NOVEMBER**

SAMPLE ID: W-WCC 4a - 20110S **SAMPLE TIME:** 1057

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

GROUNDWATER SAMPLES

PARAMETERS:	VOLATILES (A)	SEMI VOLATILES (B) Bis(2-ethyihexyl)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 bottle

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2020

DATE: 11-5-2020	WELL ID: WCC-7	FIELD TEAM: MT, GF, KM
SAMPLE ID: W-WCC7-201105	QA / QC SAMPLE ID: —	
FIELD CONDITIONS: Mostly Cloudy 57°F (windy)		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 0858	QA / QC SAMPLE TIME: —
SAMPLE TIME: 0921	END TIME: 0926

FIELD MEASUREMENT EQUIPMENT

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

PURGING INFORMATION

WELL DIAMETER (IN): 2"	1 CASING VOLUME (GAL):
TOTAL DEPTH OF WELL (FT): 86.00'	3 CASING VOLUME (GAL):
INITIAL DEPTH TO WATER (SWL): 70.90'	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT):	PACKER INFORMATION:
CALCULATION: 15.1 (COW) X 0.17 = 2.57 (GAL) = 3 gallon	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
3 / 0905	13.0	7.32	755	Clear
6 / 0912	13.0	7.34	758	Clear
9 / 0919	12.9	7.35	760	Clear
/				
			TURBIDITY: 0.15	NTU (meas in field lab)

COMMENTS: Purged roughly 9 gallons before Sampling

SEMI-ANNUAL ROUND: MAY **ANNUAL ROUND: NOVEMBER**

SAMPLE ID: W-WCC7 - 201105 **SAMPLE TIME:** 0921

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 bottle

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
GRC DWATER SAMPLING FIELD SHEET 2020

DATE: 11/5/2020	WELL ID: WCC-8	FIELD TEAM: MT, GF, (KM)
SAMPLE ID: W-WCC8-201105	QA / QC SAMPLE ID:	MS/MSD on Battle
FIELD CONDITIONS: Mostly Cloudy 57° F (very windy)		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 0720	QA / QC SAMPLE TIME: Same as Sample
SAMPLE TIME: 0757	END TIME: 0810

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	3460697	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	4 GA	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):
TOTAL DEPTH OF WELL (FT): 111.00'	3 CASING VOLUME (GAL):
INITIAL DEPTH TO WATER (SWL): 58.10	PURGE RATE:
PACKER DEPTH: 97.00'	
COW ABOVE PACKER (FT): 38.90	PACKER INFORMATION:
CALCULATION: 14.00 X 0.17 = 2.38 (COW) (GAL) 2.5 gallon	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 gal / 0738	13.0	7.81	159.4	Clear
5 gal / 0745	12.9	7.83	160.6	Clear
7.5 gal / 0752	12.9	7.83	161.2	Clear
/				
			TURBIDITY: 0.41	NTU (meas in field lab)

COMMENTS:

MS/MSD Taken here

SEMI-ANNUAL ROUND: MAY **ANNUAL ROUND: NOVEMBER**

SAMPLE ID: W-WCC8-201105 **SAMPLE TIME:** 0757

QA / QC SAMPLE ID: _____ **QA / QC SAMPLE TIME:** Same as Sample

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 bottle

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
GRC DWATER SAMPLING FIELD SHEE 2020

DATE: 11-5-2020	WELL ID: WCC 9	FIELD TEAM: MT, GF, KM
SAMPLE ID: W-WCC 9-201105	QA / QC SAMPLE ID: NA	
FIELD CONDITIONS: Cldy, 55°		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1007	QA / QC SAMPLE TIME: NA
SAMPLE TIME: 1017	END TIME: 1025

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	370573	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	1312423	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
TOTAL DEPTH OF WELL (FT): 45.00	3 CASING VOLUME (GAL): 6
INITIAL DEPTH TO WATER (SWL): 33.77	PURGE RATE:
PACKER DEPTH: NA	
COW ~~ABOVE PACKER (FT):~~ 11.23	PACKER INFORMATION:
CALCULATION: 11.23 (COW) X 0.17 = 1.9 use 2.0 (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 / 1009	11.3	6.61	103	Clear
4 / 1011	11.2	6.58	102	clear
6 / 1013	11.2	6.56	103	clear
/				
			TURBIDITY: 0.21	NTU (meas in field lab)

COMMENTS:

SEMI-ANNUAL ROUND: MAY ANNUAL ROUND: NOVEMBER

SAMPLE ID: W-WCC9-201105 SAMPLE TIME: 1017

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

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 bottle

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2020

DATE: 11-5-2020	WELL ID: WCC 10R	FIELD TEAM: MT (GF) KM
SAMPLE ID: W-WCC10R-~~2007~~ 09 201105	QA / QC SAMPLE ID: NA	
FIELD CONDITIONS: Cldy, 55°		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 0830	QA / QC SAMPLE TIME: NA
SAMPLE TIME: 0923	END TIME: 0930

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	370573	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	1312423	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): 5.5
TOTAL DEPTH OF WELL (FT): 44.60	3 CASING VOLUME (GAL): 16.5
INITIAL DEPTH TO WATER (SWL): 12.84	PURGE RATE: —
PACKER DEPTH: NA	
COW ~~ABOVE PACKER (FT)~~: 31.76	PACKER INFORMATION:
CALCULATION: 31.76 (COW) X 0.17 = 5.4 use 5.5 (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
5.5 / 0847	11.8	7.90	352	lt tan color
11.0 / 0902	11.7	7.87	327	very lt tan color
16.5 / 0921	11.8	7.89	322	Sli tan color
/				
			TURBIDITY: 12.7	NTU (meas in field lab)

COMMENTS:

- Loose fitting in air line @ pump caused groundwater to enter air zone of bladder pump rendering it useless. Pulled pump, drained water, tightened all fittings & reinstalled. Pumped 5 gallons to clear lines before starting actual purge sequence

SEMI-ANNUAL ROUND: MAY ANNUAL ROUND: NOVEMBER

SAMPLE ID: W-WCC10R-201105 SAMPLE TIME: 0923

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

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 bottle

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL
GRC DWATER SAMPLING FIELD SHEE 2020

DATE: 11/5/2020	WELL ID: WCC-11B	FIELD TEAM: (MT), GF, KM
SAMPLE ID: W-WCC11B-201105	QA / QC SAMPLE ID: WS-1-1-201105	
FIELD CONDITIONS: CLOUDY WINDY (SOUTH) UPPER 50'S (58°F)		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1115	QA / QC SAMPLE TIME: 1200
SAMPLE TIME: 1240	END TIME: 1250

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	445991	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): 97.92'	PURGE RATE:
PACKER DEPTH:	
COW ABOVE PACKER (FT): 42.08'	PACKER INFORMATION:
CALCULATION: 42.08 (COW) x 0.17 = 7.15 = 7.5 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
7.5 GAL 1141	11.9	7.57	721	CLEAR
15 GAL / 1212	11.9	7.54	729	CLEAR
22.5 GAL 1237	12.0	7.53	728	CLEAR
/				
			TURBIDITY: 0.89	NTU (meas in field lab)

COMMENTS: WCC-11A WATER LEVEL = 98.12'

DUPE TAKEN HERE

SEMI-ANNUAL ROUND: MAY ANNUAL ROUND: NOVEMBER

SAMPLE ID: W-WCC1B-201105 SAMPLE TIME: 1240

QA / QC SAMPLE ID: WS-1-1-201105 QA / QC SAMPLE TIME: 1200

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 bottle

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

*DUPE TAKEN HERE

GREENACRES LANDFILL
GROUNDWATER SAMPLING FIELD SHEET 2020

DATE: 11-5-2020	WELL ID: WCC 12	FIELD TEAM: MT, GF, KM
SAMPLE ID: W-WCC12-201105	QA / QC SAMPLE ID: NA	
FIELD CONDITIONS: Cldy, 56°		
DEDICATED BLADDER: X	DISPOSABLE BAILER:	OTHER:

TIMES

START TIME: 1222	QA / QC SAMPLE TIME: NA
SAMPLE TIME: 1243	END TIME: 1254

FIELD MEASUREMENT EQUIPMENT

METER	MAKE / MODEL	SERIAL NO.	CALIB. COMMENTS
pH	EXTECH pH 100	370573	Calibrated to 4, 7 & 10 buffer
CONDUCTIVITY	ECTestr 11+	1312423	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
TOTAL DEPTH OF WELL (FT): 106.00	3 CASING VOLUME (GAL): 6
INITIAL DEPTH TO WATER (SWL): 96.83	PURGE RATE:
PACKER DEPTH: NA	
COW ~~ABOVE PACKER (FT)~~: 9.17	PACKER INFORMATION:
CALCULATION: 9.17 (COW) X 0.17 = 1.6 use 2.0 (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 / 1220	14.1	6.68	1003	Sli bad odor
4 / 1234	14.2	6.67	998	Sli bad odor
6 / 1240	13.9	6.68	989	Sli bad odor
/				
			TURBIDITY: 8.76	NTU (meas in field lab)

COMMENTS:

SEMI-ANNUAL ROUND: MAY ANNUAL ROUND: NOVEMBER

SAMPLE ID: W-WCC12-201105 SAMPLE TIME: 1243

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

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 bottle

(C) All metals are sampled from same bottle

COMMENTS: *1 - ANATEK LAB IN MOSCOW ID

*2 - SVL IN KELLOGG ID

GREENACRES LANDFILL SWL REPORT
MAY SEMI-ANNUAL NOVEMBER ANNUAL

NOVEMBER 2020

WELL ID	PUMP INSTALLED	TOTAL DEPTH	SCREENED INTERVALS	DATE	TECH	SWL
MW-2	HYDROSTAR	120	110 - 115	11/5/20	KM	39.92'
SVA-1	BLADDER	127	114 - 124	11/5/20	MT	97.94'
WCC-1	BLADDER	124	114 - 124	11/5/20	MT	96.52'
WCC-10R	BLADDER	41.4	38 - 43	11/5/20	GF	12.84'
WCC-11A	HYDROSTAR	140	112 - 117	11/5/20	MT	97.92'
WCC-11B	BLADDER	140	129 - 139	11/5/20	MT	98.12'
WCC-12	BLADDER	106	90 - 100	11/5/20	GF	96.83'
WCC-13	HYDROSTAR	107	51 - 61	11/5/20	KM	38.38'
WCC-2	BLADDER	123	113 - 123	11/5/20	GF	101.80'
WCC-4A	BLADDER	138	125 - 135	11/5/20	KM	100.82'
WCC-6A	NO PUMP	99	85 - 95	11/5/20	KM	93.26'
WCC-6B	HYDROSTAR	136	126 - 136	11/5/20	KM	62.00'
WCC-7	BLADDER	86	76 - 86	11/5/20	KM	70.90'
WCC-8	BLADDER	111	100 - 110	11/5/20	KM	58.10'
WCC-9	BLADDER	45	35 - 45	11/5/20	GF	33.77'

Appendix B: Landfill Gas Probe Measurements

Code	Time	Date	CH4	CO2	O2	Bal	ic Pres	ntial Pr	mperat	erence	usted F	ence E	sted Er	Pod Type	od Valu	Valve Pos:	Comments
GAPGP001	12:11	1/23/2020	0	1.9	15	83.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	12:27	2/10/2020	0	1.5	14.9	82.5	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	8:12	3/3/2020	0	2.3	15.3	82.4	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	8:51	4/3/2020	0	1.6	14.9	83.5	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	10:35	5/7/2020	0	1.9	15.1	83	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	12:32	6/24/2020	0	1.5	14.9	82.5	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	9:21	7/10/2020	0	1.9	15.1	83	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	12:49	8/6/2020	0	0.6	20.3	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	8:13	9/8/2020	0	1.6	14.9	83.5	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	9:55	10/7/2020	0	1.6	14.9	83.5	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	8:46	11/4/2020	0	0.4	20.5	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP001	9:23	12/8/2020	0	1.9	15.1	83	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	11:37	1/23/2020	0	0.7	20.3	79	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	11:46	2/10/2020	0	0.6	20.4	79	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	7:42	3/3/2020	0	0.6	20.3	79.1	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	8:13	4/3/2020	0	0.6	20.4	79	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	9:59	5/7/2020	0	0.5	20.8	78.7	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	11:47	6/24/2020	0	0.6	20.4	79	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	8:22	7/10/2020	0	0.5	20.8	78.7	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	12:22	8/6/2020	0	0.6	20.4	79	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	7:34	9/8/2020	0	0.6	20.4	79	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	9:16	10/7/2020	0	0.6	20.4	79	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	8:03	11/4/2020	0	0.5	20.5	79	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP004	8:22	12/8/2020	0	0.5	20.8	78.7	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	11:52	1/23/2020	0	1.7	17.8	80.5	0	-0.13	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	12:05	2/10/2020	0	1.8	17.8	80.4	0	-0.12	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	7:52	3/3/2020	0	1.7	17.6	80.5	0	-0.11	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	8:25	4/3/2020	0	1.8	17.8	80.4	0	-0.12	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	10:14	5/7/2020	0	1.8	17.6	80.6	0	-0.11	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	12:05	6/24/2020	0	1.8	17.8	80.4	0	-0.12	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	8:43	7/10/2020	0	1.8	17.6	80.6	0	-0.12	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	12:35	8/6/2020	0	2	18.1	79.9	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	7:43	9/8/2020	0	1.8	17.8	80.4	0	-0.12	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	9:29	10/7/2020	0	1.8	17.8	80.4	0	-0.12	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	8:30	11/4/2020	0	2.3	17.3	80.4	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP005	8:43	12/8/2020	0	1.8	17.6	80.6	0	-0.12	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP006	11:55	1/23/2020							>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>	Did not sample/gw in screen	
GAPGP006	12:10	2/10/2020							>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>	Did not sample/gw in screen	
GAPGP006	7:59	3/3/2020							>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>	Did not sample-gw in screen	
GAPGP006	8:32	4/3/2020	0	1.3	19.5	79.2	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP006	10:18	5/7/2020	0	1.2	19.4	79.4	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP006	12:10	6/24/2020	0	1.3	19.3	79.4	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP006	9:14	7/10/2020	0	1.2	19.4	79.4	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP006	12:39	8/6/2020	0	0.9	20.2	78.9	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP006	7:47	9/8/2020	0	1.3	19.5	79.2	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP006	9:32	10/7/2020	0	1.3	19.5	79.2	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP006	8:35	11/4/2020	0	0.6	20.4	79	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP006	9:13	12/8/2020	0	1.2	19.4	79.4	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	12:04	1/23/2020	0	0.3	20.7	79	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	12:19	2/10/2020	0	0.4	20.5	79.1	0	-0.2	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	8:06	3/3/2020	0	0.4	20.6	79	0	-0.05	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	8:36	4/3/2020	0	0.4	20.5	79.1	0	-0.1	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	10:25	5/7/2020	0	0.5	20.6	78.9	0	-0.1	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	12:19	6/24/2020	0	0.4	20.5	79.1	0	-0.2	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	9:18	7/10/2020	0	0.5	20.6	78.9	0	-0.1	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	12:44	8/6/2020	0	0.7	20.1	79.2	0	-0.04	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	7:56	9/8/2020	0	0.4	20.5	79.1	0	-0.1	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		

Code	Time	Date	CH4	CO2	O2	Bal	ic Pres	ntial Pr	mperat	erence	usted F	ence E	sted Er	Pod Type	od Valu	Valve Pos:	Comments
GAPGP007	9:36	10/7/2020	0	0.4	20.5	79.1	0	-0.1	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	8:41	11/4/2020	0	0.4	20.6	79	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP007	9:19	12/8/2020	0	0.5	20.6	78.9	0	-0.1	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	11:31	1/23/2020	0	0.3	20.6	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	11:43	2/10/2020	0	0.3	20.6	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	7:37	3/3/2020	0	0.3	20.5	79.2	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	8:08	4/3/2020	0	0.3	20.6	79.1	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	9:54	5/7/2020	0	0.6	20.3	79.1	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	11:43	6/24/2020	0	0.3	20.6	79.1	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	8:14	7/10/2020	0	0.6	20.3	79.1	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	12:13	8/6/2020	0	0.3	20.7	79	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	7:29	9/8/2020	0	0.3	20.6	79.1	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	9:14	10/7/2020	0	0.3	20.6	79.1	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	7:59	11/4/2020	0	0.4	20.5	79.1	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP009	8:14	12/8/2020	0	0.6	20.3	79.1	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	11:08	1/23/2020	0	3.4	15.9	80.7	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	11:30	2/10/2020	0	3.1	16.4	80.5	0	-0.3	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	7:14	3/3/2020	0	3.5	15.8	80.7	0	-0.04	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	7:51	4/3/2020	0	3.1	16.3	80.6	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	9:32	5/7/2020	0	3.2	16.1	80.7	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	11:15	6/24/2020	0	3	16.3	80.5	0	-0.3	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	7:54	7/10/2020	0	3.2	16.1	80.7	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	11:54	8/6/2020	0	3.1	15.2	81.7	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	7:11	9/8/2020	0	3.1	16.3	80.6	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	8:48	10/7/2020	0	3.1	16.3	80.6	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	7:41	11/4/2020	0	3.4	14.3	82.3	0	-0.04	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02L	7:46	12/8/2020	0	3.2	16.1	80.7	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	11:10	1/23/2020	0	0.8	19.7	79.5	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	11:32	2/10/2020	0	0.8	19.7	77.3	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	7:15	3/3/2020	0	0.8	19.9	79.3	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	7:54	4/3/2020	0	0.8	19.9	79.3	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	0.4	5/7/2020	0	0.9	19.8	79.3	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	11:21	6/24/2020	0	0.8	19.7	77.3	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	7:57	7/10/2020	0	0.9	19.8	79.3	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	11:56	8/6/2020	0	0.7	19.8	79.5	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	7:13	9/8/2020	0	0.8	19.9	79.3	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	8:54	10/7/2020	0	0.8	19.9	79.3	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	7:43	11/4/2020	0	0.9	19.6	79.5	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02M	7:49	12/8/2020	0	0.9	19.8	79.3	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	11:14	1/23/2020	0	0.6	20.6	78.8	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	11:35	2/10/2020	0	0.7	20.4	80	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	7:19	3/3/2020	0	0.5	20.5	79	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	7:55	4/3/2020	0	0.6	20.4	79	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	9:37	5/7/2020	0	0.5	20.4	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	11:23	6/24/2020	0	0.7	20.4	80	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	7:59	7/10/2020	0	0.5	20.4	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	11:59	8/6/2020	0	1.2	20	78.8	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	7:15	9/8/2020	0	0.6	20.4	79	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	8:57	10/7/2020	0	0.6	20.4	79	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	7:45	11/4/2020	0	0.6	20.4	79	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP02U	7:51	12/8/2020	0	0.5	20.4	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	11:22	1/23/2020	0	0.9	19.7	79.4	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	11:37	2/10/2020	0	0.8	19.7	78.4	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	7:26	3/3/2020	0	0.8	19.6	79.6	0	-0.04	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	8:01	4/3/2020	0	0.9	19.7	79.4	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	9:44	5/7/2020	0	0.8	19.5	79.7	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	11:37	6/24/2020	0	0.8	19.7	78.4	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		

Code	Time	Date	CH4	CO2	O2	Bal	ic Pres	ntial Pr	mperat	erence	usted F	ence E	sted Er	Pod Type	od Valu	Valve Pos:	Comments
GAPGP03L	8:06	7/10/2020	0	0.8	19.5	79.7	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	12:05	8/6/2020	0	0.9	19.6	79.5	0	-0.04	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	0.31	9/8/2020	0	0.9	19.7	79.4	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	9:02	10/7/2020	0	0.9	19.7	79.4	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	7:51	11/4/2020	0	1.1	19.4	79.5	0	-0.04	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03L	8:06	12/8/2020	0	0.8	19.5	79.7	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	11:24	1/23/2020	0	0.5	20.1	79.4	0	-0.04	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	11:38	2/10/2020	0	0.6	20.2	79.2	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	7:31	3/3/2020	0	0.6	20	79.4	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	8:03	4/3/2020	0	0.6	20.2	79.2	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	9:46	5/7/2020	0	0.4	20.1	79.5	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	11:38	6/24/2020	0	0.6	20.2	79.2	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	8:07	7/10/2020	0	0.4	20.1	79.5	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	12:07	8/6/2020	0	0.5	20.3	79.2	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	7:24	9/8/2020	0	0.6	20.2	79.2	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	9:05	10/7/2020	0	0.6	20.2	79.2	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	7:52	11/4/2020	0	1.1	19.3	79.6	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03M	8:07	12/8/2020	0	0.4	20.1	79.5	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	11:25	1/23/2020	0	0.4	20.4	79.2	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	11:40	2/10/2020	0	0.4	20.5	79.1	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	7:33	3/3/2020	0	0.3	20.5	79.2	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	8:04	4/3/2020	0	0.4	20.5	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	9:49	5/7/2020	0	0.5	20.5	79	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	11:41	6/24/2020	0	0.4	20.5	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	8:09	7/10/2020	0	0.5	20.5	79	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	12:08	8/6/2020	0	0.4	20.5	79.1	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	7:25	9/8/2020	0	0.4	20.5	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	9:08	10/7/2020	0	0.4	20.5	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	7:54	11/4/2020	0	0.4	20.5	79.1	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP03U	8:10	12/8/2020	0	0.5	20.5	79	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	11:44	1/23/2020	0	0.1	20.7	79.2	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	11:55	2/10/2020	0	0.1	20.8	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	7:45	3/3/2020	0	0.1	20.7	79.2	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	8:17	4/3/2020	0	0.1	20.8	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	10:06	5/7/2020	0	0.2	20.4	79.4	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	11:55	6/24/2020	0	0.1	20.8	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	8:27	7/10/2020	0	0.2	20.4	79.4	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	12:28	8/6/2020	0	0.1	20.8	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	7:37	9/8/2020	0	0.1	20.8	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	9:21	10/7/2020	0	0.1	20.8	79.1	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	8:09	11/4/2020	0	0.2	20.6	79.2	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08L	8:29	12/8/2020	0	0.2	20.4	79.4	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	11:47	1/23/2020	0	0.6	19.7	79.7	0	-0.01	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	11:59	2/10/2020	0	0.6	20.6	78.8	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	7:49	3/3/2020	0	1.7	19.2	79.1	0	-0.02	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	8:19	4/3/2020	0	0.6	20.6	78.8	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	10:10	5/7/2020	0	1.1	20.1	78.8	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	11:58	6/24/2020	0	0.6	20.6	78.8	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	8:31	7/10/2020	0	1.1	20.1	78.8	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	12:30	8/6/2020	0	0.9	20.1	79	0	-0.03	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	7:39	9/8/2020	0	0.6	20.6	78.8	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	9:22	10/7/2020	0	0.6	20.6	78.8	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	8:12	11/4/2020	0	0.5	20.5	79	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		
GAPGP08U	8:33	12/8/2020	0	1.1	20.1	78.8	0	0	>>>	>>>	>>>	>>>	>>>	NOT FITTED	>>>		

Appendix C: Laboratory Results

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
W-SVA1-201105	X0K0123-01	Water	05-Nov-20 09:05	MT/KM/GF	06-Nov-2020	
W-WCC1-201105	X0K0123-02	Water	05-Nov-20 10:10	MT/KM/GF	06-Nov-2020	
W-WCC2-201105	X0K0123-03	Water	05-Nov-20 11:23	MT/KM/GF	06-Nov-2020	
W-WCC4A-201105	X0K0123-04	Water	05-Nov-20 10:57	MT/KM/GF	06-Nov-2020	
W-WCC7-201105	X0K0123-05	Water	05-Nov-20 09:21	MT/KM/GF	06-Nov-2020	
W-WCC8-201105	X0K0123-06	Water	05-Nov-20 07:57	MT/KM/GF	06-Nov-2020	
W-WCC9-201105	X0K0123-07	Water	05-Nov-20 10:17	MT/KM/GF	06-Nov-2020	
W-WCC10R-201105	X0K0123-08	Water	05-Nov-20 09:23	MT/KM/GF	06-Nov-2020	
W-WCC11B-201105	X0K0123-09	Water	05-Nov-20 12:40	MT/KM/GF	06-Nov-2020	
W-WCC12-201105	X0K0123-10	Water	05-Nov-20 12:43	MT/KM/GF	06-Nov-2020	
WS-1-1-201105	X0K0123-11	Water	05-Nov-20 12:00	MT/KM/GF	06-Nov-2020	

Solid samples are analyzed on an as-received, wet-weight basis, unless otherwise requested.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **W-SVA1-201105**
SVL Sample ID: **X0K0123-01 (Water)**

Sampled: 05-Nov-20 09:05
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 10:25	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 10:25	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X046030	AS	11/18/20 10:25	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 18:50	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 18:50	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **W-WCC1-201105**
SVL Sample ID: **X0K0123-02 (Water)**

Sampled: 05-Nov-20 10:10
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 10:29	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 10:29	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X046030	AS	11/18/20 10:29	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 18:53	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 18:53	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **W-WCC2-201105**
SVL Sample ID: **X0K0123-03 (Water)**

Sampled: 05-Nov-20 11:23
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 10:33	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 10:33	
EPA 6010D	**Manganese**	0.250	mg/L	0.0080	0.0034		X046030	AS	11/18/20 10:33	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 18:55	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 18:55	
Anions by Ion Chromatography										
EPA 300.0	**Nitrate as N**	1.71	mg/L	0.050	0.043		X045258	RS	11/07/20 02:27	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **W-WCC4A-201105**
SVL Sample ID: **X0K0123-04 (Water)**

Sampled: 05-Nov-20 10:57
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 10:37	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 10:37	
EPA 6010D	**Manganese**	0.0236	mg/L	0.0080	0.0034		X046030	AS	11/18/20 10:37	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 18:57	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 18:57	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **W-WCC7-201105**
SVL Sample ID: **X0K0123-05 (Water)**

Sampled: 05-Nov-20 09:21
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 10:41	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 10:41	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X046030	AS	11/18/20 10:41	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 18:59	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 18:59	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **W-WCC8-201105**
SVL Sample ID: **X0K0123-06 (Water)**

Sampled: 05-Nov-20 07:57
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 10:45	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 10:45	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X046030	AS	11/18/20 10:45	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 19:01	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 19:01	
Anions by Ion Chromatography										
EPA 300.0	**Nitrate as N**	1.41	mg/L	0.050	0.043		X045258	RS	11/07/20 02:44	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **W-WCC9-201105**
SVL Sample ID: **X0K0123-07 (Water)**

Sampled: 05-Nov-20 10:17
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 11:09	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 11:09	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X046030	AS	11/18/20 11:09	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 19:12	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 19:12	
Anions by Ion Chromatography										
EPA 300.0	**Nitrate as N**	1.95	mg/L	0.050	0.043		X045258	RS	11/07/20 03:01	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **W-WCC10R-201105**
SVL Sample ID: **X0K0123-08 (Water)**

Sampled: 05-Nov-20 09:23
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 11:13	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 11:13	
EPA 6010D	**Manganese**	0.0224	mg/L	0.0080	0.0034		X046030	AS	11/18/20 11:13	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 19:14	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 19:14	
Anions by Ion Chromatography										
EPA 300.0	**Nitrate as N**	1.38	mg/L	0.050	0.043		X045258	RS	11/07/20 03:18	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **W-WCC11B-201105**
SVL Sample ID: **X0K0123-09 (Water)**

Sampled: 05-Nov-20 12:40
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 11:17	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 11:17	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X046030	AS	11/18/20 11:17	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 19:16	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 19:16	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **W-WCC12-201105**
SVL Sample ID: **X0K0123-10 (Water)**

Sampled: 05-Nov-20 12:43
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 11:21	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 11:21	
EPA 6010D	**Manganese**	1.74	mg/L	0.0080	0.0034		X046030	AS	11/18/20 11:21	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 19:18	
EPA 6020B	**Arsenic**	0.0356	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 19:18	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Client Sample ID: **WS-1-1-201105**
SVL Sample ID: **X0K0123-11 (Water)**

Sampled: 05-Nov-20 12:00
Received: 06-Nov-20
Sampled By: MT/KM/GF

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	< 0.0060	mg/L	0.0060	0.0020		X046030	AS	11/18/20 11:25	
EPA 6010D	Lead	< 0.0150	mg/L	0.0150	0.0049		X046030	AS	11/18/20 11:25	
EPA 6010D	Manganese	< 0.0080	mg/L	0.0080	0.0034		X046030	AS	11/18/20 11:25	
EPA 6020B	Antimony	< 0.00300	mg/L	0.00300	0.00072		X046051	JFB	11/16/20 19:20	
EPA 6020B	Arsenic	< 0.00300	mg/L	0.00300	0.00021		X046051	JFB	11/16/20 19:20	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Metals (Dissolved)								
EPA 6010D	Chromium	mg/L	<0.0060	0.0020	0.0060	X046030	18-Nov-20	
EPA 6010D	Lead	mg/L	<0.0150	0.0049	0.0150	X046030	18-Nov-20	
EPA 6010D	Manganese	mg/L	<0.0080	0.0034	0.0080	X046030	18-Nov-20	
EPA 6020B	Antimony	mg/L	<0.00300	0.00072	0.00300	X046051	16-Nov-20	
EPA 6020B	Arsenic	mg/L	<0.00300	0.00021	0.00300	X046051	16-Nov-20	
Anions by Ion Chromatography								
EPA 300.0	Nitrate as N	mg/L	<0.050	0.043	0.050	X045258	06-Nov-20	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Metals (Dissolved)									
EPA 6010D	Chromium	mg/L	0.918	1.00	91.8	80 - 120	X046030	18-Nov-20	
EPA 6010D	Lead	mg/L	0.915	1.00	91.5	80 - 120	X046030	18-Nov-20	
EPA 6010D	Manganese	mg/L	0.930	1.00	93.0	80 - 120	X046030	18-Nov-20	
EPA 6020B	Antimony	mg/L	0.0233	0.0250	93.1	80 - 120	X046051	16-Nov-20	
EPA 6020B	Arsenic	mg/L	0.0260	0.0250	104	80 - 120	X046051	16-Nov-20	
Anions by Ion Chromatography									
EPA 300.0	Nitrate as N	mg/L	2.12	2.00	106	90 - 110	X045258	06-Nov-20	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	mg/L	0.939	<0.0060	1.00	93.9	75 - 125	X046030 - X0K0123-06	18-Nov-20	
EPA 6010D	Lead	mg/L	0.940	<0.0150	1.00	94.0	75 - 125	X046030 - X0K0123-06	18-Nov-20	
EPA 6010D	Manganese	mg/L	0.948	<0.0080	1.00	94.8	75 - 125	X046030 - X0K0123-06	18-Nov-20	
EPA 6020B	Antimony	mg/L	0.0249	<0.00300	0.0250	99.6	75 - 125	X046051 - X0K0123-06	16-Nov-20	
EPA 6020B	Arsenic	mg/L	0.0247	<0.00300	0.0250	98.8	75 - 125	X046051 - X0K0123-06	16-Nov-20	
Anions by Ion Chromatography										
EPA 300.0	Nitrate as N	mg/L	2.27	0.247	2.00	101	90 - 110	X045258 - X0K0120-01	06-Nov-20	
EPA 300.0	Nitrate as N	mg/L	2.58	0.509	2.00	103	90 - 110	X045258 - X0K0120-02	07-Nov-20	

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

Work Order: **X0K0123**
Reported: 20-Nov-20 12:42

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Metals (Dissolved)										
EPA 6010D	Chromium	mg/L	0.928	0.939	1.00	1.1	20	92.8	X046030 - X0K0123-06	
EPA 6010D	Lead	mg/L	0.921	0.940	1.00	2.0	20	92.1	X046030 - X0K0123-06	
EPA 6010D	Manganese	mg/L	0.925	0.948	1.00	2.5	20	92.5	X046030 - X0K0123-06	
EPA 6020B	Antimony	mg/L	0.0250	0.0249	0.0250	0.4	20	100	X046051 - X0K0123-06	
EPA 6020B	Arsenic	mg/L	0.0246	0.0247	0.0250	0.6	20	98.2	X046051 - X0K0123-06	
Anions by Ion Chromatography										
EPA 300.0	Nitrate as N	mg/L	2.32	2.27	2.00	2.1	20	104	X045258 - X0K0120-01	

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Spokane County Environmental Services (Colbert)		
22515 N. Elk Chattaroy Road	Work Order:	**X0K0123**
Colbert, WA 99005	Reported:	20-Nov-20 12:42

Notes and Definitions

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

SPOKANE COUNTY UTILITIES LANDFILL CLOSURE
CHAIN OF CUSTODY RECORD 2020

Work Order: **X0K0123**
Spokane County Environmental Services ((

SPOKANE COUNTY UTILITES
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: 1K2735219295
NUMBER OF COOLERS: 1

2.0°C

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	1-1 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:
M. TERRIS
K. MCCARTY
G. FISETTE
DATE: 11/5/2020

SAMPLE ID:	DATE:	TIME:	# BOTTLES	COOLER#	COMMENTS:
W-SVA1-201105	11/5/20	0905	1	14	
W-WCC1-201105		1010	1	14	
W-WCC2-201105		1123	2	14	
W-WCC4A-201105		1057	1	14	
W-WCC7-201105		0921	1	14	
W-WCC8-201105		0757	6	14	MS/MSD
W-WCC9-201105		1017	2	14	
W-WCC10R-201105		0923	2	14	
W-WCC11B-201105		1240	1	14	
W-WCC12-201105		1243	1	14	
WS-1-1-201105		1200	1	14	
—	—	—			

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

RELINQUISHED BY:
SIGNATURE: M. S. Terris
PRINT NAME: MIKES TERRIS
SPOKANE COUNTY UTILITIES LANDFILL CLOSURE
DATE: 11/5/2020
TIME: 1430

RECEIVED BY:
SIGNATURE: C. Flores
PRINT NAME: C. FLORES
COMPANY SVL
DATE: 11/6/20
TIME: 10:45

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: 11/6/20 **By:** C. Flores

SVL Work No: XOK0123

Item	Description	V	NA	Comments
1	Client or project name	✓		SPOKANE COUNTY
2	Date and time of receipt at lab	✓		11/6/2020 10:45
3	Received by	✓		C. FLORES
4	Temperature blank or cooler temperature	✓		Temp: 3.0 °C
5	Were the sample(s) received on ice	✓		YES
6	Custody tape/bottle seals	✓		YES
7	Shipper's air bill	✓		
8	Condition of samples upon receipt (leaking; bubbles in VOA vials)	✓		GOOD
9	Analysis requested for each sample	✓		
10	Sample matrix description	✓		
11	The correct preservative for the analysis requested	✓		
12	Did an SVL employee preserve sample(s) upon receipt		✓	NO
13	Additional Information		✓	

V- Verified **NA- Not Applicable**

Comments:

Anatek Labs, Inc.

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Client:	Spokane County Utilities	Work Order:	MAK0379
Address:	22515 N. Elk Chattaroy Rd	Project:	X0K0151
	Colbert, WA 99005	Reported:	12/10/2020 09:05
Attn:	Dave Tryon		

Case Narrative

The samples listed below were received for analysis at Anatek Labs, Inc. The analytical report is attached. All test results reported below comply with and meet current TNI standards, other applicable regulatory standards, and the Anatek Labs, Inc. Quality Assurance Manual, unless otherwise noted in the report.

The results in this report relate only to the samples analyzed. All soil and solid results are reported on a dryweight basis unless otherwise noted. An estimation of uncertainty is available upon request.

For questions about this report, please contact Justin Doty at 208-883-2839.

Laboratory ID	Sample Name
MAK0379-01	X0K0151-01 (W-SVA1-201105)
MAK0379-02	X0K0151-02 (W-WCC1-201105)
MAK0379-03	X0K0151-03 (W-WCC2-201105)
MAK0379-04	X0K0151-04 (W-WCC4A-201105)
MAK0379-05	X0K0151-05 (W-WCC7-201105)
MAK0379-06	X0K0151-06 (W-WCC8-201105)
MAK0379-07	X0K0151-07 (W-WCC9-201105)
MAK0379-08	X0K0151-08 (W-WCC10R-201105)
MAK0379-09	X0K0151-09 (W-WCC11B-201105)
MAK0379-10	X0K0151-10 (W-WCC12-201105)
MAK0379-11	X0K0151-11 (WS-1-1-201105)
MAK0379-12	X0K0151-12 (WS-2-1-201105)

QA/QC Summary

QC Parameter	Yes / No (if No, see Comments below)
1. Sample Holding Time Valid?	No
2. Instrument Tunes Valid?	Yes
3. Method Blank(s) Valid?	Yes
4. Internal Standard Response(s) Valid?	Yes
5. Initial Calibration Curve(s) Valid?	Yes
6. Continuing Calibration(s) Valid?	Yes

Comments:

Silver Valley Labs (SVL) project X0K0151 for Spokane County Utilities "Green Acres" was received at Anatek Labs on 11/6/2020 and was not "logged into" the laboratory information management system as work order MAK0379 until 11/16/2020. This failure in sample handling was attributed to SVL's failure to provide the auto-log file in a timely manner and Anatek labs' poor comminication internally, resulted in the SVOC samples missing their extraction holding time (data was qualified). These samples are part of a routine landfill monitoring project and the SVOC data should be valid in this regard (landfill monitoring primarily documents volatile organics contamination).

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: 11/6/20 **By:** C. Flores

SVL Work No: XOK0123

Item	Description	V	NA	Comments
1	Client or project name	✓		SPOKANE COUNTY
2	Date and time of receipt at lab	✓		11/6/2020 10:45
3	Received by	✓		C. FLORES
4	Temperature blank or cooler temperature	✓		Temp: 3.0 °C
5	Were the sample(s) received on ice	✓		YES
6	Custody tape/bottle seals	✓		YES
7	Shipper's air bill	✓		
8	Condition of samples upon receipt (leaking; bubbles in VOA vials)	✓		GOOD
9	Analysis requested for each sample	✓		
10	Sample matrix description	✓		
11	The correct preservative for the analysis requested	✓		
12	Did an SVL employee preserve sample(s) upon receipt		✓	NO
13	Additional Information		✓	

V- Verified **NA- Not Applicable**

Comments:

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Analytical Results Report

Sample Location: X0K0151-01 (W-SVA1-201105)
Lab/Sample Number: MAK0379-01 Collect Date: 11/05/20 09:05
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.511	12/1/20 17:35	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.511	12/1/20 17:35	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*87.1%*		*41-132*	*12/1/20 17:35*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*90.2%*		*52-119*	*12/1/20 17:35*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*91.1%*		*41-127*	*12/1/20 17:35*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*88.0%*		*52-120*	*12/1/20 17:35*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*102%*		*51-115*	*12/1/20 17:35*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*96.4%*		*25-135*	*12/1/20 17:35*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 13:05	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/17/20 13:05	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-01 (W-SVA1-201105)
Lab/Sample Number: MAK0379-01 Collect Date: 11/05/20 09:05
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 13:05	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 13:05	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 13:05	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-01 (W-SVA1-201105)
Lab/Sample Number: MAK0379-01 Collect Date: 11/05/20 09:05
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	11/17/20 13:05	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*99.1%*		*70-130*	*11/17/20 13:05*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*93.1%*		*70-130*	*11/17/20 13:05*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*102%*		*70-130*	*11/17/20 13:05*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-02 (W-WCC1-201105)
Lab/Sample Number: MAK0379-02 Collect Date: 11/05/20 10:10
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	1.47	ug/L	0.511	12/1/20 18:03	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.511	12/1/20 18:03	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*87.4%*		*41-132*	*12/1/20 18:03*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*87.7%*		*52-119*	*12/1/20 18:03*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*86.8%*		*41-127*	*12/1/20 18:03*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*85.8%*		*52-120*	*12/1/20 18:03*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*97.2%*		*51-115*	*12/1/20 18:03*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*92.5%*		*25-135*	*12/1/20 18:03*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 13:35	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/17/20 13:35	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-02 (W-WCC1-201105)
Lab/Sample Number: MAK0379-02 Collect Date: 11/05/20 10:10
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 13:35	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 13:35	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 13:35	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-02 (W-WCC1-201105)
Lab/Sample Number: MAK0379-02 Collect Date: 11/05/20 10:10
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	11/17/20 13:35	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*99.5%*		*70-130*	*11/17/20 13:35*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*94.2%*		*70-130*	*11/17/20 13:35*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*102%*		*70-130*	*11/17/20 13:35*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-03 (W-WCC2-201105)
Lab/Sample Number: MAK0379-03 Collect Date: 11/05/20 11:23
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.508	12/1/20 18:32	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.508	12/1/20 18:32	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*86.2%*		*41-132*	*12/1/20 18:32*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*87.9%*		*52-119*	*12/1/20 18:32*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*91.3%*		*41-127*	*12/1/20 18:32*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*86.4%*		*52-120*	*12/1/20 18:32*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*98.7%*		*51-115*	*12/1/20 18:32*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*93.6%*		*25-135*	*12/1/20 18:32*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 14:04	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/17/20 14:04	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-03 (W-WCC2-201105)
Lab/Sample Number: MAK0379-03 Collect Date: 11/05/20 11:23
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 14:04	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 14:04	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 14:04	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-03 (W-WCC2-201105)
Lab/Sample Number: MAK0379-03 Collect Date: 11/05/20 11:23
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	11/17/20 14:04	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*100%*		*70-130*	*11/17/20 14:04*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*93.8%*		*70-130*	*11/17/20 14:04*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*101%*		*70-130*	*11/17/20 14:04*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-04 (W-WCC4A-201105)
Lab/Sample Number: MAK0379-04 Collect Date: 11/05/20 10:57
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.506	12/1/20 19:00	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.506	12/1/20 19:00	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*90.0%*		*41-132*	*12/1/20 19:00*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*89.5%*		*52-119*	*12/1/20 19:00*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*93.1%*		*41-127*	*12/1/20 19:00*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*89.4%*		*52-120*	*12/1/20 19:00*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*101%*		*51-115*	*12/1/20 19:00*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*95.1%*		*25-135*	*12/1/20 19:00*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 14:34	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/17/20 14:34	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-04 (W-WCC4A-201105)
Lab/Sample Number: MAK0379-04 Collect Date: 11/05/20 10:57
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	2.77	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 14:34	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 14:34	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 14:34	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Tetrachloroethylene	1.29	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-04 (W-WCC4A-201105)
Lab/Sample Number: MAK0379-04 Collect Date: 11/05/20 10:57
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Vinyl Chloride	0.550	ug/L	0.500	11/17/20 14:34	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*100%*		*70-130*	*11/17/20 14:34*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*93.9%*		*70-130*	*11/17/20 14:34*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*102%*		*70-130*	*11/17/20 14:34*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-05 (W-WCC7-201105)
Lab/Sample Number: MAK0379-05 Collect Date: 11/05/20 09:21
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.512	12/1/20 19:28	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.512	12/1/20 19:28	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*84.6%*		*41-132*	*12/1/20 19:28*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*85.4%*		*52-119*	*12/1/20 19:28*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*87.6%*		*41-127*	*12/1/20 19:28*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*85.3%*		*52-120*	*12/1/20 19:28*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*94.9%*		*51-115*	*12/1/20 19:28*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*91.0%*		*25-135*	*12/1/20 19:28*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 15:04	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/17/20 15:04	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-05 (W-WCC7-201105)
Lab/Sample Number: MAK0379-05 Collect Date: 11/05/20 09:21
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 15:04	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 15:04	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 15:04	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Tetrachloroethylene	1.26	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-05 (W-WCC7-201105)
Lab/Sample Number: MAK0379-05 Collect Date: 11/05/20 09:21
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	11/17/20 15:04	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*100%*		*70-130*	*11/17/20 15:04*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*94.4%*		*70-130*	*11/17/20 15:04*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*102%*		*70-130*	*11/17/20 15:04*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-06 (W-WCC8-201105)
Lab/Sample Number: MAK0379-06 Collect Date: 11/05/20 07:57
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.509	12/1/20 19:55	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.509	12/1/20 19:55	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*83.9%*		*41-132*	*12/1/20 19:55*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*85.8%*		*52-119*	*12/1/20 19:55*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*85.3%*		*41-127*	*12/1/20 19:55*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*82.1%*		*52-120*	*12/1/20 19:55*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*93.9%*		*51-115*	*12/1/20 19:55*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*94.5%*		*25-135*	*12/1/20 19:55*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 12:35	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/17/20 12:35	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-06 (W-WCC8-201105)
Lab/Sample Number: MAK0379-06 Collect Date: 11/05/20 07:57
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 12:35	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 12:35	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 12:35	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-06 (W-WCC8-201105)
Lab/Sample Number: MAK0379-06 Collect Date: 11/05/20 07:57
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	11/17/20 12:35	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*99.2%*		*70-130*	*11/17/20 12:35*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*94.4%*		*70-130*	*11/17/20 12:35*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*102%*		*70-130*	*11/17/20 12:35*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-07 (W-WCC9-201105)
Lab/Sample Number: MAK0379-07 Collect Date: 11/05/20 10:17
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.512	12/1/20 20:23	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.512	12/1/20 20:23	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*84.1%*		*41-132*	*12/1/20 20:23*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*83.7%*		*52-119*	*12/1/20 20:23*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*85.8%*		*41-127*	*12/1/20 20:23*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*82.5%*		*52-120*	*12/1/20 20:23*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*93.7%*		*51-115*	*12/1/20 20:23*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*91.9%*		*25-135*	*12/1/20 20:23*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 15:34	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/20/20 6:34	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-07 (W-WCC9-201105)
Lab/Sample Number: MAK0379-07 Collect Date: 11/05/20 10:17
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 15:34	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 15:34	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 15:34	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-07 (W-WCC9-201105)
Lab/Sample Number: MAK0379-07 Collect Date: 11/05/20 10:17
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	11/17/20 15:34	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*99.8%*		*70-130*	*11/17/20 15:34*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*95.2%*		*70-130*	*11/17/20 15:34*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*100%*		*70-130*	*11/17/20 15:34*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-08 (W-WCC10R-201105)
Lab/Sample Number: MAK0379-08 Collect Date: 11/05/20 09:23
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.513	12/1/20 20:51	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.513	12/1/20 20:51	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*86.1%*		*41-132*	*12/1/20 20:51*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*84.0%*		*52-119*	*12/1/20 20:51*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*86.1%*		*41-127*	*12/1/20 20:51*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*84.2%*		*52-120*	*12/1/20 20:51*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*93.9%*		*51-115*	*12/1/20 20:51*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*89.1%*		*25-135*	*12/1/20 20:51*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 16:03	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/20/20 7:09	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-08 (W-WCC10R-201105)
Lab/Sample Number: MAK0379-08 Collect Date: 11/05/20 09:23
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 16:03	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 16:03	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 16:03	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-08 (W-WCC10R-201105)
Lab/Sample Number: MAK0379-08 Collect Date: 11/05/20 09:23
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	11/17/20 16:03	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*101%*		*70-130*	*11/17/20 16:03*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*94.2%*		*70-130*	*11/17/20 16:03*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*101%*		*70-130*	*11/17/20 16:03*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-09 (W-WCC11B-201105)
Lab/Sample Number: MAK0379-09 Collect Date: 11/05/20 12:40
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.506	12/1/20 21:19	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.506	12/1/20 21:19	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*79.7%*		*41-132*	*12/1/20 21:19*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*81.7%*		*52-119*	*12/1/20 21:19*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*82.6%*		*41-127*	*12/1/20 21:19*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*80.4%*		*52-120*	*12/1/20 21:19*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*89.4%*		*51-115*	*12/1/20 21:19*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*91.7%*		*25-135*	*12/1/20 21:19*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 16:33	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/20/20 7:44	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-09 (W-WCC11B-201105)
Lab/Sample Number: MAK0379-09 Collect Date: 11/05/20 12:40
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Dichlorodifluoromethane	1.17	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 16:33	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 16:33	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 16:33	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Tetrachloroethylene	8.16	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Trichloroethene	1.05	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-09 (W-WCC11B-201105)
Lab/Sample Number: MAK0379-09 Collect Date: 11/05/20 12:40
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	11/17/20 16:33	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*101%*		*70-130*	*11/17/20 16:33*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*92.6%*		*70-130*	*11/17/20 16:33*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*100%*		*70-130*	*11/17/20 16:33*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-10 (W-WCC12-201105)
Lab/Sample Number: MAK0379-10 Collect Date: 11/05/20 12:43
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.511	12/1/20 21:46	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.511	12/1/20 21:46	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*90.7%*		*41-132*	*12/1/20 21:46*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*83.6%*		*52-119*	*12/1/20 21:46*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*89.2%*		*41-127*	*12/1/20 21:46*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*80.2%*		*52-120*	*12/1/20 21:46*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*96.1%*		*51-115*	*12/1/20 21:46*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*93.5%*		*25-135*	*12/1/20 21:46*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,2-Dichloroethane	1.38	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 17:02	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/20/20 8:18	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-10 (W-WCC12-201105)
Lab/Sample Number: MAK0379-10 Collect Date: 11/05/20 12:43
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	4.95	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 17:02	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 17:02	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 17:02	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-10 (W-WCC12-201105)
Lab/Sample Number: MAK0379-10 Collect Date: 11/05/20 12:43
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Vinyl Chloride	3.55	ug/L	0.500	11/17/20 17:02	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*100%*		*70-130*	*11/17/20 17:02*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*93.8%*		*70-130*	*11/17/20 17:02*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*99.9%*		*70-130*	*11/17/20 17:02*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-11 (WS-1-1-201105)
Lab/Sample Number: MAK0379-11 Collect Date: 11/05/20 12:00
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Semivolatiles							
Di (2-ethylhexyl) phthalate	ND	ug/L	0.506	12/1/20 22:14	MAH	EPA 8270D	H4
Pentachlorophenol	ND	ug/L	0.506	12/1/20 22:14	MAH	EPA 8270D	H4
Surrogate: 2,4,6-Tribromophenol	*86.4%*		*41-132*	*12/1/20 22:14*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorobiphenyl	*84.9%*		*52-119*	*12/1/20 22:14*	*MAH*	*EPA 8270D*	*H4*
Surrogate: 2-Fluorophenol	*92.3%*		*41-127*	*12/1/20 22:14*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Nitrobenzene-d5	*84.0%*		*52-120*	*12/1/20 22:14*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Phenol-2,3,4,5,6-d5	*98.4%*		*51-115*	*12/1/20 22:14*	*MAH*	*EPA 8270D*	*H4*
Surrogate: Terphenyl-d14	*95.1%*		*25-135*	*12/1/20 22:14*	*MAH*	*EPA 8270D*	*H4*
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 17:32	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/20/20 8:53	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Benzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-11 (WS-1-1-201105)
Lab/Sample Number: MAK0379-11 Collect Date: 11/05/20 12:00
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Bromochloromethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Dichlorodifluoromethane	1.12	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
EDB	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 17:32	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 17:32	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	2.50	11/17/20 17:32	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Tetrachloroethylene	7.73	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Trichloroethene	0.990	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-11 (WS-1-1-201105)
Lab/Sample Number: MAK0379-11 Collect Date: 11/05/20 12:00
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.500	11/17/20 17:32	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*102%*		*70-130*	*11/17/20 17:32*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*93.6%*		*70-130*	*11/17/20 17:32*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*102%*		*70-130*	*11/17/20 17:32*	*TEC*	*EPA 8260C*	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-12 (WS-2-1-201105)
Lab/Sample Number: MAK0379-12 Collect Date: 11/05/20 00:00
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles							
1,1,1,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,1,1-Trichloroethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,1,2-Trichlorethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,1-Dichloroethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,1-Dichloroethylene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,1-Dichloropropene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,2,3-Trichlorobenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,2,3-Trichloropropane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,2,4-Trichlorobenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,2,4-Trimethylbenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,2-Dichlorobenzene (ortho-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,2-Dichloroethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,2-Dichloropropane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,3,5-Trimethylbenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,3-Dichloropropane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
1,4-Dichlorobenzene (para-Dichlorobenzene)	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
2,2-Dichloropropane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
2-Chloroethyl vinyl ether	ND	ug/L	2.50	11/17/20 12:06	TEC	EPA 8260C	
2-hexanone	ND	ug/L	2.50	11/17/20 12:06	TEC	EPA 8260C	
Acetone	ND	ug/L	2.50	11/17/20 12:06	TEC	EPA 8260C	
Acrolein	ND	ug/L	2.50	11/17/20 12:06	TEC	EPA 8260C	
Acrylonitrile	ND	ug/L	2.50	11/17/20 12:06	TEC	EPA 8260C	
Benzene	ND	ug/L	0.200	11/17/20 12:06	TEC	EPA 8260C	
Bromobenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Bromochloromethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Bromodichloromethane	ND	ug/L	0.200	11/17/20 12:06	TEC	EPA 8260C	
Bromoform	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Bromomethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Carbon disulfide	ND	ug/L	2.50	11/17/20 12:06	TEC	EPA 8260C	
Carbon Tetrachloride	ND	ug/L	0.200	11/17/20 12:06	TEC	EPA 8260C	
Chlorobenzene (Monochlorobenzene)	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Chloroethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Chloroform	ND	ug/L	0.200	11/17/20 12:06	TEC	EPA 8260C	
Chloromethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
cis-1,2-Dichloroethylene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
cis-1,3-Dichloropropene	ND	ug/L	0.200	11/17/20 12:06	TEC	EPA 8260C	
DBCP	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Dibromochloromethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Dibromomethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Dichlorodifluoromethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	

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Analytical Results Report

(Continued)

Sample Location: X0K0151-12 (WS-2-1-201105)
Lab/Sample Number: MAK0379-12 Collect Date: 11/05/20 00:00
Date Received: 11/06/20 10:11 Collected By: MT/GF/KM
Matrix: Water

Analyte	Result	Units	PQL	Analyzed	Analyst	Method	Qualifier
Volatiles (Continued)							
EDB	ND	ug/L	0.200	11/17/20 12:06	TEC	EPA 8260C	
Ethylbenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Hexachlorobutadiene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Isopropylbenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
m/p Xylenes (MCL for total)	ND	ug/L	1.00	11/17/20 12:06	TEC	EPA 8260C	
m-Dichlorobenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Methyl ethyl ketone (MEK)	ND	ug/L	2.50	11/17/20 12:06	TEC	EPA 8260C	
Methyl isobutyl ketone (MIBK)	ND	ug/L	2.50	11/17/20 12:06	TEC	EPA 8260C	
Methylene Chloride (Dichloromethane)	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
methyl-t-butyl ether (MTBE)	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Naphthalene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
n-Butylbenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
n-Propylbenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
o-Chlorotoluene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
o-Xylene (MCL for total)	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
p-Chlorotoluene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
p-isopropyltoluene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
sec-Butylbenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Styrene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
tert-Butylbenzene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Tetrachloroethylene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Toluene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Total Xylenes	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
trans-1,2 Dichloroethylene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
trans-1,3-Dichloropropene	ND	ug/L	0.200	11/17/20 12:06	TEC	EPA 8260C	
trans-1-4-Dichloro-2-butene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Trichloroethene	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Trichloroflouromethane	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Vinyl acetate	ND	ug/L	0.500	11/17/20 12:06	TEC	EPA 8260C	
Vinyl Chloride	ND	ug/L	0.200	11/17/20 12:06	TEC	EPA 8260C	
Surrogate: 1,2-Dichlorobenzene-d4	*99.9%*		*70-130*	*11/17/20 12:06*	*TEC*	*EPA 8260C*	
Surrogate: 4-Bromofluorobenzene	*93.3%*		*70-130*	*11/17/20 12:06*	*TEC*	*EPA 8260C*	
Surrogate: Toluene-d8	*102%*		*70-130*	*11/17/20 12:06*	*TEC*	*EPA 8260C*	

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Authorized Signature,

Justin Doty For Todd Taruscio, Laboratory Manager

H4	Sample was extracted past required extraction holding time, but analyzed within analysis holding time.
L1	The associated blank spike recovery was above laboratory acceptance limits
M1	Matrix spike recovery was high; the associated blank spike recovery was acceptable. Potential matrix effect
M2	Matrix spike recovery was low; the associated blank spike recovery was acceptable. Potential matrix effect.
PQL	Practical Quantitation Limit
ND	Not Detected
MCL	EPA's Maximum Contaminant Level
Dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was spiked or duplicated.

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Certifications

Code	Description	Facility	Number
DOE WA	Washington Department of Ecology	Anatek-Moscow, ID	C595

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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: BAK0502 - SVOC Water										
Blank (BAK0502-BLK1)					Prepared: 11/17/2020 Analyzed: 12/1/2020					
bis(2-Ethylhexyl)phthalate	ND		0.500	ug/L						
Pentachlorophenol	ND		0.500	ug/L						
LCS (BAK0502-BS1)					Prepared: 11/17/2020 Analyzed: 12/1/2020					
Pentachlorophenol	4.16		0.500	ug/L	5.00		83.2	50-130		
bis(2-Ethylhexyl)phthalate	5.11		0.500	ug/L	5.00		102	50-130		
Matrix Spike (BAK0502-MS1)		**Source: MAK0379-06**			Prepared: 11/17/2020 Analyzed: 12/1/2020					
Pentachlorophenol	4.78		0.500	ug/L	5.00	ND	95.6	50-130		
bis(2-Ethylhexyl)phthalate	5.17		0.500	ug/L	5.00	ND	103	50-130		
Matrix Spike Dup (BAK0502-MSD1)		**Source: MAK0379-06**			Prepared: 11/17/2020 Analyzed: 12/1/2020					
Pentachlorophenol	4.40		0.500	ug/L	5.00	ND	88.0	50-130	8.28	40
bis(2-Ethylhexyl)phthalate	5.25		0.500	ug/L	5.00	ND	105	50-130	1.54	40

Quality Control Data

Volatiles

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BAK0486 - VOC										
Blank (BAK0486-BLK1)					Prepared & Analyzed: 11/17/2020					
Bromochloromethane	ND		0.500	ug/L						
1,3-Dichloropropane	ND		0.500	ug/L						
1,4-Dichlorobenzene	ND		0.500	ug/L						
2,2-Dichloropropane	ND		0.500	ug/L						
2-Chlorotoluene	ND		0.500	ug/L						
2-hexanone	ND		2.50	ug/L						
1,3-Dichlorobenzene	ND		0.500	ug/L						
4-Chlorotoluene	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
Acrylonitrile	ND		0.500	ug/L						
1,3,5-Trimethylbenzene	ND		0.500	ug/L						
Bromobenzene	ND		0.500	ug/L						
1,2-Dibromo-3-chloropropane(DBCP)	ND		0.500	ug/L						
Bromodichloromethane	ND		0.500	ug/L						
Bromoform	ND		0.500	ug/L						
Benzene	ND		0.500	ug/L						
1,1-dichloropropene	ND		0.500	ug/L						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L						
1,1,1-Trichloroethane	ND		0.500	ug/L						
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L						
1,1,2-Trichloroethane	ND		0.500	ug/L						
1,2-Dichlorobenzene	ND		0.500	ug/L						
1,1-Dichloroethene	ND		0.500	ug/L						
1,2-Dichloropropane	ND		0.500	ug/L						
1,2,3-Trichlorobenzene	ND		0.500	ug/L						
1,2,4-Trichlorobenzene	ND		0.500	ug/L						
Chloromethane	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: BAK0486 - VOC (Continued)										
Blank (BAK0486-BLK1)					Prepared & Analyzed: 11/17/2020					
1,2-Dibromoethane (EDB)	ND		0.500	ug/L						
Bromomethane	ND		0.500	ug/L						
1,2-Dichloroethane	ND		0.500	ug/L						
1,1-Dichloroethane	ND		0.500	ug/L						
Tetrachloroethene	ND		0.500	ug/L						
Chloroethane	ND		0.500	ug/L						
n-Butylbenzene	ND		0.500	ug/L						
n-Propylbenzene	ND		0.500	ug/L						
o-Xylene	ND		0.500	ug/L						
p-isopropyltoluene	ND		0.500	ug/L						
sec-Butylbenzene	ND		0.500	ug/L						
methyl-t-butyl ether (MTBE)	ND		0.500	ug/L						
tert-Butylbenzene	ND		0.500	ug/L						
Methylene chloride	ND		2.50	ug/L						
Toluene	ND		0.500	ug/L						
trans-1,2-Dichloroethene	ND		0.500	ug/L						
trans-1,3-Dichloropropene	ND		0.500	ug/L						
Trichloroethene	ND		0.500	ug/L						
Trichlorofluoromethane	ND		0.500	ug/L						
Vinyl Chloride	ND		0.500	ug/L						
Styrene	ND		0.500	ug/L						
Dibromomethane	ND		0.500	ug/L						
Carbon Tetrachloride	ND		0.500	ug/L						
Chlorobenzene	ND		0.500	ug/L						
Chloroform	ND		0.500	ug/L						
1,2,3-Trichloropropane	ND		0.500	ug/L						
cis-1,2-dichloroethene	ND		0.500	ug/L						
Naphthalene	ND		0.500	ug/L						
Dibromochloromethane	ND		0.500	ug/L						
Carbon disulfide	ND		0.500	ug/L						
Dichlorodifluoromethane	ND		0.500	ug/L						
Ethylbenzene	ND		0.500	ug/L						
Hexachlorobutadiene	ND		0.500	ug/L						
Isopropylbenzene	ND		0.500	ug/L						
m+p-Xylene	ND		0.500	ug/L						
Methyl ethyl ketone (MEK)	ND		2.50	ug/L						
Methyl isobutyl ketone (MIBK)	ND		2.50	ug/L						
cis-1,3-Dichloropropene	ND		0.500	ug/L						
1,2,4-Trimethylbenzene	ND		0.500	ug/L						
Acetone	ND		2.50	ug/L						
Acrolein	ND		2.50	ug/L						
Acrylonitrile	ND		2.50	ug/L						
Benzene	ND		0.200	ug/L						
Bromochloromethane	ND		0.500	ug/L						
Bromodichloromethane	ND		0.200	ug/L						
Bromoform	ND		0.500	ug/L						
Bromomethane	ND		0.500	ug/L						
Methyl ethyl ketone (MEK)	ND		2.50	ug/L						
Carbon disulfide	ND		2.50	ug/L						
Carbon Tetrachloride	ND		0.200	ug/L						
Chlorobenzene	ND		0.500	ug/L						
Chloroethane	ND		0.500	ug/L						
2-Chloroethyl vinyl ether	ND		2.50	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: BAK0486 - VOC (Continued)										
Blank (BAK0486-BLK1)					Prepared & Analyzed: 11/17/2020					
Chloroform	ND		0.200	ug/L						
Chloromethane	ND		0.500	ug/L						
cis-1,2-dichloroethene	ND		0.500	ug/L						
cis-1,3-Dichloropropene	ND		0.200	ug/L						
1,2-Dibromo-3-chloropropane(DBCP)	ND		0.500	ug/L						
1,2-Dibromoethane (EDB)	ND		0.200	ug/L						
1,2-Dichlorobenzene	ND		0.500	ug/L						
1,3-Dichlorobenzene	ND		0.500	ug/L						
1,4-Dichlorobenzene	ND		0.500	ug/L						
trans-1-4-Dichloro-2-butene	ND		0.500	ug/L						
Dichlorodifluoromethane	ND		0.500	ug/L						
1,1-Dichloroethane	ND		0.500	ug/L						
1,2-Dichloroethane	ND		0.500	ug/L						
1,1-Dichloroethene	ND		0.500	ug/L						
trans-1,2-Dichloroethene	ND		0.500	ug/L						
1,2-Dichloropropane	ND		0.500	ug/L						
trans-1,3-Dichloropropene	ND		0.200	ug/L						
Ethylbenzene	ND		0.500	ug/L						
Hexachlorobutadiene	ND		0.500	ug/L						
2-hexanone	ND		2.50	ug/L						
Isopropylbenzene	ND		0.500	ug/L						
Methylene chloride	ND		0.500	ug/L						
Methyl isobutyl ketone (MIBK)	ND		2.50	ug/L						
Naphthalene	ND		0.500	ug/L						
Styrene	ND		0.500	ug/L						
1,1,1,2-Tetrachloroethane	ND		0.500	ug/L						
1,1,2,2-Tetrachloroethane	ND		0.500	ug/L						
Tetrachloroethene	ND		0.500	ug/L						
Toluene	ND		0.500	ug/L						
1,2,4-Trichlorobenzene	ND		0.500	ug/L						
1,1,1-Trichloroethane	ND		0.500	ug/L						
1,1,2-Trichloroethane	ND		0.500	ug/L						
Trichloroethene	ND		0.500	ug/L						
1,2,3-Trichloropropane	ND		0.500	ug/L						
Vinyl acetate	ND		0.500	ug/L						
Vinyl Chloride	ND		0.200	ug/L						
m+p-Xylene	ND		1.00	ug/L						
o-Xylene	ND		0.500	ug/L						
Total Xylene	ND		0.500	ug/L						
1,1-dichloropropene	ND		0.500	ug/L						
1,2,3-Trichlorobenzene	ND		0.500	ug/L						
1,2,4-Trimethylbenzene	ND		0.500	ug/L						
1,3,5-Trimethylbenzene	ND		0.500	ug/L						
1,3-Dichloropropane	ND		0.500	ug/L						
2,2-Dichloropropane	ND		0.500	ug/L						
2-Chlorotoluene	ND		0.500	ug/L						
4-Chlorotoluene	ND		0.500	ug/L						
Bromobenzene	ND		0.500	ug/L						
Dibromochloromethane	ND		0.500	ug/L						
Dibromomethane	ND		0.500	ug/L						
methyl-t-butyl ether (MTBE)	ND		0.500	ug/L						
n-Butylbenzene	ND		0.500	ug/L						
n-Propylbenzene	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: BAK0486 - VOC (Continued)										
Blank (BAK0486-BLK1)					Prepared & Analyzed: 11/17/2020					
p-isopropyltoluene	ND		0.500	ug/L						
sec-Butylbenzene	ND		0.500	ug/L						
tert-Butylbenzene	ND		0.500	ug/L						
Trichlorofluoromethane	ND		0.500	ug/L						
Surrogate: Toluene-d8			*26.0*	*ug/L*	*25.0*		*104*	*70-130*		
Surrogate: 4-Bromofluorobenzene			*25.4*	*ug/L*	*25.0*		*102*	*70-130*		
Surrogate: Toluene-d8			*26.0*	*ug/L*	*25.0*		*104*	*70-130*		
Surrogate: 4-Bromofluorobenzene			*25.4*	*ug/L*	*25.0*		*102*	*70-130*		
Surrogate: 1,2-Dichlorobenzene-d4			*18.9*	*ug/L*	*19.0*		*99.5*	*70-130*		
Surrogate: 1,2-Dichlorobenzene-d4			*18.9*	*ug/L*	*19.0*		*99.5*	*70-130*		
LCS (BAK0486-BS1)					Prepared & Analyzed: 11/17/2020					
1,2-Dichloropropane	11.2		0.500	ug/L	10.0		112	80-120		
1,3,5-Trimethylbenzene	10.6		0.500	ug/L	10.0		106	80-120		
1,3-Dichlorobenzene	9.99		0.500	ug/L	10.0		99.9	80-120		
1,3-Dichloropropane	10.4		0.500	ug/L	10.0		104	80-120		
1,4-Dichlorobenzene	10.1		0.500	ug/L	10.0		101	80-120		
2,2-Dichloropropane	10.3		0.500	ug/L	10.0		103	80-120		
2-hexanone	11.5		2.50	ug/L	10.0		115	80-120		
4-Chlorotoluene	10.4		0.500	ug/L	10.0		104	80-120		
Acrylonitrile	11.4		0.500	ug/L	10.0		114	80-120		
1,2-Dichloroethane	10.6		0.500	ug/L	10.0		106	80-120		
1,1-Dichloroethene	10.9		0.500	ug/L	10.0		109	80-120		
Bromobenzene	10.1		0.500	ug/L	10.0		101	80-120		
Benzene	10.9		0.500	ug/L	10.0		109	80-120		
2-Chlorotoluene	10.4		0.500	ug/L	10.0		104	80-120		
1,1-dichloropropene	11.5		0.500	ug/L	10.0		115	80-120		
Bromochloromethane	10.6		0.500	ug/L	10.0		106	80-120		
Dibromochloromethane	9.56		0.500	ug/L	10.0		95.6	80-120		
1,1,1,2-Tetrachloroethane	10.1		0.500	ug/L	10.0		101	80-120		
1,1,1-Trichloroethane	10.6		0.500	ug/L	10.0		106	80-120		
1,1,2,2-Tetrachloroethane	10.1		0.500	ug/L	10.0		101	80-120		
1,2,3-Trichlorobenzene	9.76		0.500	ug/L	10.0		97.6	80-120		
1,1-Dichloroethane	10.6		0.500	ug/L	10.0		106	80-120		
1,2,3-Trichloropropane	9.95		0.500	ug/L	10.0		99.5	80-120		
1,2,4-Trichlorobenzene	9.88		0.500	ug/L	10.0		98.8	80-120		
1,2,4-Trimethylbenzene	10.7		0.500	ug/L	10.0		107	80-120		
1,2-Dibromo-3-chloropropane(DBCP)	9.91		0.500	ug/L	10.0		99.1	80-120		
1,2-Dibromoethane (EDB)	9.97		0.500	ug/L	10.0		99.7	70-130		
1,2-Dichlorobenzene	9.78		0.500	ug/L	10.0		97.8	80-120		
1,1,2-Trichloroethane	10.4		0.500	ug/L	10.0		104	80-120		
Toluene	11.2		0.500	ug/L	10.0		112	80-120		
n-Butylbenzene	9.80		0.500	ug/L	10.0		98.0	80-120		
n-Propylbenzene	10.5		0.500	ug/L	10.0		105	80-120		
o-Xylene	10.5		0.500	ug/L	10.0		105	80-120		
p-isopropyltoluene	10.6		0.500	ug/L	10.0		106	80-120		
sec-Butylbenzene	10.9		0.500	ug/L	10.0		109	80-120		
Styrene	10.7		0.500	ug/L	10.0		107	80-120		
Naphthalene	11.0		0.500	ug/L	10.0		110	80-120		
Tetrachloroethene	10.7		0.500	ug/L	10.0		107	80-120		
Trichlorofluoromethane	10.4		0.500	ug/L	10.0		104	80-120		
trans-1,2-Dichloroethene	10.7		0.500	ug/L	10.0		107	80-120		

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Quality Control Data
(Continued)

Volatiles (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BAK0486 - VOC (Continued)										
LCS (BAK0486-BS1)					Prepared & Analyzed: 11/17/2020					
trans-1,3-Dichloropropene	8.75		0.500	ug/L	10.0		87.5	80-120		
Trichloroethene	11.2		0.500	ug/L	10.0		112	80-120		
Vinyl Chloride	10.8		0.500	ug/L	10.0		108	80-120		
cis-1,2-dichloroethene	10.5		0.500	ug/L	10.0		105	80-120		
Bromodichloromethane	10.5		0.500	ug/L	10.0		105	80-120		
tert-Butylbenzene	10.6		0.500	ug/L	10.0		106	80-120		
Bromoform	9.36		0.500	ug/L	10.0		93.6	80-120		
methyl-t-butyl ether (MTBE)	10.8		0.500	ug/L	10.0		108	80-120		
Carbon disulfide	11.2		0.500	ug/L	10.0		112	80-120		
Chlorobenzene	10.3		0.500	ug/L	10.0		103	80-120		
Chloroform	10.5		0.500	ug/L	10.0		105	80-120		
Carbon Tetrachloride	10.4		0.500	ug/L	10.0		104	80-120		
cis-1,3-Dichloropropene	9.86		0.500	ug/L	10.0		98.6	80-120		
Dibromomethane	10.2		0.500	ug/L	10.0		102	80-120		
Dichlorodifluoromethane	10.7		0.500	ug/L	10.0		107	80-120		
Ethylbenzene	10.4		0.500	ug/L	10.0		104	80-120		
Hexachlorobutadiene	9.15		0.500	ug/L	10.0		91.5	80-120		
Isopropylbenzene	10.6		0.500	ug/L	10.0		106	80-120		
m+p-Xylene	21.0		0.500	ug/L	20.0		105	80-120		
Methyl ethyl ketone (MEK)	12.2	L1	2.50	ug/L	10.0		122	80-120		
Methyl isobutyl ketone (MIBK)	11.7		2.50	ug/L	10.0		117	80-120		
Chloroethane	10.8		0.500	ug/L	10.0		108	80-120		
Surrogate: 4-Bromofluorobenzene			*24.8*	*ug/L*	*25.0*		*99.4*	*70-130*		
Surrogate: Toluene-d8			*26.2*	*ug/L*	*25.0*		*105*	*70-130*		
Surrogate: 1,2-Dichlorobenzene-d4			*18.6*	*ug/L*	*19.0*		*97.9*	*70-130*		
Matrix Spike (BAK0486-MS1)		**Source: MAK0379-06**			Prepared & Analyzed: 11/17/2020					
Ethylbenzene	9.69		0.500	ug/L	10.0	ND	96.9	70-130		
Methyl isobutyl ketone (MIBK)	14.6	M1	2.50	ug/L	10.0	ND	146	70-130		
Methyl ethyl ketone (MEK)	15.3	M1	2.50	ug/L	10.0	ND	153	70-130		
m+p-Xylene	17.9		0.500	ug/L	20.0	ND	89.6	70-130		
Isopropylbenzene	9.71		0.500	ug/L	10.0	ND	97.1	70-130		
Hexachlorobutadiene	8.76		0.500	ug/L	10.0	ND	87.6	70-130		
Dichlorodifluoromethane	8.40		0.500	ug/L	10.0	ND	84.0	70-130		
Dibromomethane	9.49		0.500	ug/L	10.0	ND	94.9	70-130		
Dibromochloromethane	9.73		0.500	ug/L	10.0	ND	97.3	70-130		
cis-1,3-Dichloropropene	9.63		0.500	ug/L	10.0	ND	96.3	70-130		
cis-1,2-dichloroethene	9.17		0.500	ug/L	10.0	ND	91.7	70-130		
Chloroethane	8.37		0.500	ug/L	10.0	ND	83.7	70-130		
Styrene	5.82	M2	0.500	ug/L	10.0	ND	58.2	70-130		
Chlorobenzene	9.96		0.500	ug/L	10.0	ND	99.6	70-130		
Chloroform	9.09		0.500	ug/L	10.0	ND	90.9	70-130		
tert-Butylbenzene	9.53		0.500	ug/L	10.0	ND	95.3	70-130		
Trichlorofluoromethane	7.44		0.500	ug/L	10.0	ND	74.4	70-130		
1,2-Dichloropropane	9.96		0.500	ug/L	10.0	ND	99.6	70-130		
Carbon Tetrachloride	8.85		0.500	ug/L	10.0	ND	88.5	70-130		
trans-1,3-Dichloropropene	9.53		0.500	ug/L	10.0	ND	95.3	70-130		
trans-1,2-Dichloroethene	8.80		0.500	ug/L	10.0	ND	88.0	70-130		
p-isopropyltoluene	9.61		0.500	ug/L	10.0	ND	96.1	70-130		
Tetrachloroethene	9.77		0.500	ug/L	10.0	ND	97.7	70-130		
methyl-t-butyl ether (MTBE)	9.76		0.500	ug/L	10.0	ND	97.6	70-130		
sec-Butylbenzene	9.38		0.500	ug/L	10.0	ND	93.8	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: BAK0486 - VOC (Continued)										
Matrix Spike (BAK0486-MS1)	**Source: MAK0379-06**				Prepared & Analyzed: 11/17/2020					
Trichloroethene	9.89		0.500	ug/L	10.0	ND	98.9	70-130		
o-Xylene	9.11		0.500	ug/L	10.0	ND	91.1	70-130		
n-Propylbenzene	9.36		0.500	ug/L	10.0	ND	93.6	70-130		
n-Butylbenzene	9.66		0.500	ug/L	10.0	ND	96.6	70-130		
Naphthalene	10.4		0.500	ug/L	10.0	ND	104	70-130		
Toluene	10.1		0.500	ug/L	10.0	ND	101	70-130		
1,1-dichloropropene	9.64		0.500	ug/L	10.0	ND	96.4	70-130		
1,3-Dichlorobenzene	9.93		0.500	ug/L	10.0	ND	99.3	70-130		
1,2-Dichlorobenzene	9.77		0.500	ug/L	10.0	ND	97.7	70-130		
1,2-Dibromoethane (EDB)	10.8		0.500	ug/L	10.0	ND	108	70-130		
1,2-Dibromo-3-chloropropane(DBCP)	10.9		0.500	ug/L	10.0	ND	109	70-130		
1,2,4-Trimethylbenzene	7.40		0.500	ug/L	10.0	ND	74.0	70-130		
1,2,4-Trichlorobenzene	9.46		0.500	ug/L	10.0	ND	94.6	70-130		
1,2,3-Trichlorobenzene	9.18		0.500	ug/L	10.0	ND	91.8	70-130		
1,2-Dichloroethane	9.26		0.500	ug/L	10.0	ND	92.6	70-130		
1,1-Dichloroethene	8.72		0.500	ug/L	10.0	ND	87.2	70-130		
1,1-Dichloroethane	8.92		0.500	ug/L	10.0	ND	89.2	70-130		
1,1,2-Trichloroethane	10.9		0.500	ug/L	10.0	ND	109	70-130		
1,1,2,2-Tetrachloroethane	11.4		0.500	ug/L	10.0	ND	114	70-130		
1,1,1-Trichloroethane	8.67		0.500	ug/L	10.0	ND	86.7	70-130		
1,1,1,2-Tetrachloroethane	10.5		0.500	ug/L	10.0	ND	105	70-130		
1,2,3-Trichloropropane	11.3		0.500	ug/L	10.0	ND	113	70-130		
2-hexanone	15.0	M1	2.50	ug/L	10.0	ND	150	70-130		
Bromoform	10.0		0.500	ug/L	10.0	ND	100	70-130		
Bromodichloromethane	9.03		0.500	ug/L	10.0	ND	90.3	70-130		
Bromochloromethane	9.36		0.500	ug/L	10.0	ND	93.6	70-130		
Bromobenzene	9.49		0.500	ug/L	10.0	ND	94.9	70-130		
Benzene	9.94		0.500	ug/L	10.0	ND	99.4	70-130		
Acrylonitrile	11.4		0.500	ug/L	10.0	ND	114	70-130		
Carbon disulfide	10.4		0.500	ug/L	10.0	ND	104	70-130		
2-Chlorotoluene	9.50		0.500	ug/L	10.0	ND	95.0	70-130		
2,2-Dichloropropane	8.01		0.500	ug/L	10.0	ND	80.1	70-130		
1,4-Dichlorobenzene	9.74		0.500	ug/L	10.0	ND	97.4	70-130		
1,3-Dichloropropane	10.8		0.500	ug/L	10.0	ND	108	70-130		
Vinyl Chloride	8.27		0.500	ug/L	10.0	ND	82.7	70-130		
1,3,5-Trimethylbenzene	7.44		0.500	ug/L	10.0	ND	74.4	70-130		
4-Chlorotoluene	9.08		0.500	ug/L	10.0	ND	90.8	70-130		
Surrogate: Toluene-d8			*25.4*	*ug/L*	*25.0*		*102*	*70-130*		
Surrogate: 4-Bromofluorobenzene			*24.7*	*ug/L*	*25.0*		*98.7*	*70-130*		
Surrogate: 1,2-Dichlorobenzene-d4			*19.2*	*ug/L*	*19.0*		*101*	*70-130*		

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: BAK0486 - VOC (Continued)										
Matrix Spike Dup (BAK0486-MSD1)	**Source: MAK0379-06**				Prepared & Analyzed: 11/17/2020					
Methyl isobutyl ketone (MIBK)	13.9	M1	2.50	ug/L	10.0	ND	139	70-130	5.33	25
2-hexanone	13.5	M1	2.50	ug/L	10.0	ND	135	70-130	10.7	25
Bromodichloromethane	9.04		0.500	ug/L	10.0	ND	90.4	70-130	0.111	25
1,3,5-Trimethylbenzene	7.94		0.500	ug/L	10.0	ND	79.4	70-130	6.50	25
1,3-Dichlorobenzene	9.48		0.500	ug/L	10.0	ND	94.8	70-130	4.64	25
1,3-Dichloropropane	10.6		0.500	ug/L	10.0	ND	106	70-130	1.77	25
1,4-Dichlorobenzene	9.72		0.500	ug/L	10.0	ND	97.2	70-130	0.206	25
1,2-Dichloroethane	9.12		0.500	ug/L	10.0	ND	91.2	70-130	1.52	25
2-Chlorotoluene	9.46		0.500	ug/L	10.0	ND	94.6	70-130	0.422	25
4-Chlorotoluene	9.23		0.500	ug/L	10.0	ND	92.3	70-130	1.64	25
Acrylonitrile	10.8		0.500	ug/L	10.0	ND	108	70-130	4.60	25
Benzene	10.0		0.500	ug/L	10.0	ND	100	70-130	0.901	25
Bromobenzene	9.43		0.500	ug/L	10.0	ND	94.3	70-130	0.634	25
Naphthalene	10.0		0.500	ug/L	10.0	ND	100	70-130	3.23	25
2,2-Dichloropropane	8.54		0.500	ug/L	10.0	ND	85.4	70-130	6.40	25
1,2,3-Trichlorobenzene	8.72		0.500	ug/L	10.0	ND	87.2	70-130	5.14	25
1,1,1,2-Tetrachloroethane	10.4		0.500	ug/L	10.0	ND	104	70-130	0.862	25
1,1,1-Trichloroethane	9.09		0.500	ug/L	10.0	ND	90.9	70-130	4.73	25
1,1,2,2-Tetrachloroethane	10.5		0.500	ug/L	10.0	ND	105	70-130	8.66	25
1,1,2-Trichloroethane	10.9		0.500	ug/L	10.0	ND	109	70-130	0.00	25
1,1-Dichloroethane	9.15		0.500	ug/L	10.0	ND	91.5	70-130	2.55	25
1,2-Dichloropropane	10.0		0.500	ug/L	10.0	ND	100	70-130	0.900	25
1,1-dichloropropene	9.94		0.500	ug/L	10.0	ND	99.4	70-130	3.06	25
Bromoform	9.81		0.500	ug/L	10.0	ND	98.1	70-130	1.92	25
1,2,3-Trichloropropane	10.3		0.500	ug/L	10.0	ND	103	70-130	8.98	25
1,2,4-Trichlorobenzene	9.16		0.500	ug/L	10.0	ND	91.6	70-130	3.22	25
1,2,4-Trimethylbenzene	7.94		0.500	ug/L	10.0	ND	79.4	70-130	7.04	25
1,2-Dibromo-3-chloropropane(DBCP)	10.0		0.500	ug/L	10.0	ND	100	70-130	8.80	25
1,2-Dibromoethane (EDB)	10.6		0.500	ug/L	10.0	ND	106	70-130	2.15	25
1,2-Dichlorobenzene	8.83		0.500	ug/L	10.0	ND	88.3	70-130	10.1	25
1,1-Dichloroethene	8.89		0.500	ug/L	10.0	ND	88.9	70-130	1.93	25
Tetrachloroethene	9.59		0.500	ug/L	10.0	ND	95.9	70-130	1.86	25
Bromochloromethane	9.27		0.500	ug/L	10.0	ND	92.7	70-130	0.966	25
n-Propylbenzene	9.57		0.500	ug/L	10.0	ND	95.7	70-130	2.22	25
o-Xylene	9.37		0.500	ug/L	10.0	ND	93.7	70-130	2.81	25
p-isopropyltoluene	9.80		0.500	ug/L	10.0	ND	98.0	70-130	1.96	25
sec-Butylbenzene	9.57		0.500	ug/L	10.0	ND	95.7	70-130	2.01	25
methyl-t-butyl ether (MTBE)	10.0		0.500	ug/L	10.0	ND	100	70-130	2.43	25
tert-Butylbenzene	9.68		0.500	ug/L	10.0	ND	96.8	70-130	1.56	25
Methyl ethyl ketone (MEK)	14.5	M1	2.50	ug/L	10.0	ND	145	70-130	5.63	25
Toluene	10.4		0.500	ug/L	10.0	ND	104	70-130	2.44	25
trans-1,2-Dichloroethene	9.09		0.500	ug/L	10.0	ND	90.9	70-130	3.24	25
trans-1,3-Dichloropropene	10.1		0.500	ug/L	10.0	ND	101	70-130	5.61	25
Trichloroethene	9.86		0.500	ug/L	10.0	ND	98.6	70-130	0.304	25
Trichlorofluoromethane	7.65		0.500	ug/L	10.0	ND	76.5	70-130	2.78	25
Styrene	6.20	M2	0.500	ug/L	10.0	ND	62.0	70-130	6.32	25
Dibromochloromethane	9.58		0.500	ug/L	10.0	ND	95.8	70-130	1.55	25
Carbon disulfide	10.9		0.500	ug/L	10.0	ND	109	70-130	4.90	25
Carbon Tetrachloride	9.39		0.500	ug/L	10.0	ND	93.9	70-130	5.92	25
Chlorobenzene	9.79		0.500	ug/L	10.0	ND	97.9	70-130	1.72	25
Chloroethane	8.61		0.500	ug/L	10.0	ND	86.1	70-130	2.83	25
Chloroform	9.12		0.500	ug/L	10.0	ND	91.2	70-130	0.329	25
n-Butylbenzene	9.55		0.500	ug/L	10.0	ND	95.5	70-130	1.15	25

Anatek Labs, Inc.

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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: BAK0486 - VOC (Continued)										
Matrix Spike Dup (BAK0486-MSD1)		**Source: MAK0379-06**			Prepared & Analyzed: 11/17/2020					
cis-1,3-Dichloropropene	9.86		0.500	ug/L	10.0	ND	98.6	70-130	2.36	25
Vinyl Chloride	8.80		0.500	ug/L	10.0	ND	88.0	70-130	6.21	25
Dibromomethane	9.37		0.500	ug/L	10.0	ND	93.7	70-130	1.27	25
Dichlorodifluoromethane	8.75		0.500	ug/L	10.0	ND	87.5	70-130	4.08	25
Ethylbenzene	9.73		0.500	ug/L	10.0	ND	97.3	70-130	0.412	25
Hexachlorobutadiene	8.70		0.500	ug/L	10.0	ND	87.0	70-130	0.687	25
Isopropylbenzene	10.1		0.500	ug/L	10.0	ND	101	70-130	3.84	25
m+p-Xylene	18.2		0.500	ug/L	20.0	ND	91.2	70-130	1.71	25
cis-1,2-dichloroethene	9.43		0.500	ug/L	10.0	ND	94.3	70-130	2.80	25
Surrogate: 4-Bromofluorobenzene			*24.9*	*ug/L*	*25.0*		*99.5*	*70-130*		
Surrogate: Toluene-d8			*25.4*	*ug/L*	*25.0*		*101*	*70-130*		
Surrogate: 1,2-Dichlorobenzene-d4			*17.6*	*ug/L*	*19.0*		*92.4*	*70-130*		

MAK0379

Due: 11/12/20

Anatek Labs, Inc.

SVL

Sample Receipt and Preservation Form

Client Name: Spokane County Utilities Project: *(apply Anatek sample label here)*

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: 1 of 2 Type of Ice: Ice/Ice Packs Blue Ice Dry Ice None

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

Cooler Temp As Read (°C): 4.4 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: 8				
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:

none

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

BEHP/PCP -> 5000ml x 8

Received/Inspected By: CS Date/Time: 11/06/2020 1011

Form F18.00 - Eff 8 Feb 2019

Page 1 of 1

MAK0379

Due: 11/12/20

SPOKANE COUNTY UTILITIES LANDFILL CLOSURE
CHAIN OF CUSTODY RECORD 2020

SPOKANE COUNTY UTILITES
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: K273521930 2 / K264591004 7
NUMBER OF COOLERS: 2

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

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

PARAMETERS:	VOC'S	BEHP / PCP	NITRATE	TRACE METALS Mn / As / Sb / Pb / Cr
CONTAINERS:	3-40 ml Voa's	1-1 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:
M. TERRIS
G. FISETTE
K. MCCLARTY
DATE: 11/5/2020

SAMPLE ID:	DATE:	TIME:	VOC'S	BEHP / PCP	NITRATE	TRACE METALS	# BOTTLES	COOLER#	COMMENTS:
W-SVA1-201105	11/5/20	0905	X	X			4	19/8	
W-WCC1-201105	↓	1010	X	X			4	8	
W-WCC2-201105		1123	X	X			4	19/8	
W-WCC4A-201105		1057	X	X			4	19/8	
W-WCC7-201105		0921	X	X			4	19/8	
W-WCC8-201105		0757	X	X			12	8	MS/MSD
W-WCC9-201105		1017	X	X			4	19/8	
W-WCC10R-201105		0923	X	X			4	19/8	
W-WCC11B-201105		1240	X	X			4	19/8	
W-WCC12-201105		1243	X	X			4	19/8	
WS-1-1-201105		1200	X	X			4	8	
WS-2-1-201105	↓	—	X				2	8	TRIP BLANKS

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

RELINQUISHED BY:
SIGNATURE: Mike S Terris
PRINT NAME: MIKE S. TERRIS
SPOKANE COUNTY UTILITIES LANDFILL CLOSURE
DATE: 11/5/2020
TIME: 1430

RECEIVED BY:
SIGNATURE:
PRINT NAME: Chris Sanders
COMPANY Anatek
DATE: 11/06/2020
TIME: 1011

*ALL VOCS ARE IN COOLER # 8 ONLY

MAK0379

Due: 11/12/20

Anatek Labs, Inc.

SVL

Sample Receipt and Preservation Form

Client Name: Spokane County Project: *(apply Anatek sample label here)*

TAT: (Normal) RUSH: _____ days

Samples Received From: FedEx (UPS) USPS Client Courier Other: _____

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

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

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

Cooler Temp As Read (°C): 0.4 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: 46				
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:

HCl → VOC 8260 → 044m1

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

BETX/PCD → 500ml x 5

Received/Inspected By: _____ Date/Time: 11/09/2020 0934

MAK0379

Due: 11/12/20

SPOKANE COUNTY UTILITIES LANDFILL CLOSURE
CHAIN OF CUSTODY RECORD 2020

SPOKANE COUNTY UTILITES
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: K2735219302 / K2645910047
NUMBER OF COOLERS: 2

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

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

PARAMETERS:	VOC'S	BEHP / PCP	NITRATE	TRACE METALS Mn / As / Sb / Pb / Cr				
CONTAINERS:	3-40 ml Voa's	1-1 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: M. TERRIS, G. FISETTE, K. MCCLARTY
DATE: 11/5/2020

SAMPLE ID:	DATE:	TIME:	VOC'S	BEHP / PCP	NITRATE	TRACE METALS	# BOTTLES	COOLER#	COMMENTS:
W-SVA1-201105	11/5/20	0905	X	X			4	1 9 8	
W-WCC1-201105	↓	1010	X	X			4	8	
W-WCC2-201105		1123	X	X			4	1 9 8	
W-WCC4A-201105		1057	X	X			4	1 9 8	
W-WCC7-201105		0921	X	X			4	1 9 8	
W-WCC8-201105		0757	X	X			12	8	MS/MSD
W-WCC9-201105		1017	X	X			4	1 9 8	
W-WCC10R-201105		0923	X	X			4	1 9 8	
W-WCC11B-201105		1240	X	X			4	1 9 8	
W-WCC12-201105		1243	X	X			4	1 9 8	
WS-1-1-201105		1200	X	X			4	8	
WS-2-1-201105	↓	—	X				2	8	TRIP BLANKS

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

RELINQUISHED BY:
SIGNATURE: Mike S Terris
PRINT NAME: MIKE S. TERRIS
DATE: 11/5/2020
TIME: 1430
SPOKANE COUNTY UTILITIES LANDFILL CLOSURE

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

* ALL VOCS ARE IN COOLER # 8 ONLY

SPOKANE COUNTY UTILITIES LANDFILL CLOSURE
CHAIN OF CUSTODY RECORD 2020

Work Order: X0K0151
Spokane County Environmental Services ((

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

PROJECT: GREENACRES SEMI-ANNUAL OR ANNUAL SAMPLING (CIRCLE ONE)
SHIPPING COMPANY: UPS
SHIPPING NUMBER: K2735219302 / K2645910047
NUMBER OF COOLERS: 2

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

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

PARAMETERS:	VOC'S	BEHP / PCP	NITRATE	TRACE METALS Mn / As / Sb / Pb / Cr				
CONTAINERS:	3-40 ml Voa's	1-1 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: M. TERRIS / G. FISETTE / K. MCCLARTY
DATE: 11/5/2020

SAMPLE ID:	DATE:	TIME:	# BOTTLES	COOLER#	COMMENTS:
W-SVA1-201105	11/5/20	0905	4	19/8	
W-WCC1-201105		1010	4	8	
W-WCC2-201105		1123	4	19/8	
W-WCC4A-201105		1057	4	19/8	
W-WCC7-201105		0921	4	19/8	
W-WCC8-201105		0757	12	8	MS/MSD
W-WCC9-201105		1017	4	19/8	
W-WCC10R-201105		0923	4	19/8	
W-WCC11B-201105		1240	4	19/8	
W-WCC12-201105		1243	4	19/8	
WS-1-1-201105		1200	4	8	
WS-2-1-201105	↓	—	2	8	TRIP BLANKS

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

RELINQUISHED BY:
SIGNATURE: Mike S Terris
PRINT NAME: MIKE S. TERRIS
SPOKANE COUNTY UTILITIES LANDFILL CLOSURE
DATE: 11/5/2020
TIME: 1430

RECEIVED BY:
SIGNATURE: Chris Stanton
PRINT NAME: Chris Stanton
COMPANY Anatek
DATE: 11/06/2020
TIME: 1011

* ALL VOCS ARE IN COOLER # 8 ONLY