

January 19, 2023

City Service Valcon 18827 E. Appleway Ave Spokane Valley, WA 99016

RE: Gasoline Spill at Exxon located at 18709 East Appleway Ave, Greenacres, Washington

Executive Summary

On December 31, 2022, at 5:07pm, Able Clean-Up Technologies, Inc. (ACT) was contacted by City Service Valcon regarding a gasoline spill occurred at 18709 East Appleway Avenue, Greenacres, Washington. ACT arrived on site at 6:00pm on December 31, 2022, to evaluate the spill.

The spill occurred during fuel transfer from a tanker to the underground tanks and approximately 75 gallons of gasoline was lost, according to Tim Steele with City Service Valcon. There was a grassy swale and drainage ditch located on the northeast corner of the asphalt parking lot. It was presumed that most of the fuel traveled toward the swale. It was determined that ACT would need to return to the site to excavate contaminated soils.

On January 6, 2023, ACT returned to the site to excavate the contaminated soil. The excavation continued through January 13, 2023. The final excavation dimension were 33 feet by 39 feet and 22 feet in depth. A total of 23 dump truck loads of soil, 430.59 tons, was removed from the site and disposed of at Graham Road Landfill, a Subtitle D Disposal Facility. Confirmation soil samples were collected from each sidewall and the base of the excavation.

Sampling Information

Samples were collected for waste characterization for disposal. A total of six confirmation samples were collected from the sidewalls and base of the excavation. The samples were collected and immediately labeled, placed on ice, and transported via chain of custody to Eurofins TestAmerica laboratory in Spokane, WA, an independent certified laboratory. Please see Attachment IV for the laboratory analytical report and Attachment VI for complete sample collection procedures.

Analytical Results

The confirmation samples, CSV-SA-3 (western sidewall), CSV-SA-4 (northern sidewall), CSV-SA-6 (vertical extent), and CSV-SA-7 (eastern sidewall) indicated that the chemicals of concern were non-detect which is below MTCA Clean-up regulations. Sample CSV-SA-5 (southern sidewall) detected chemicals of concern; benzene was present in the sample above MTCA Clean-up regulations at 0.072 mg/kg. Additional soil was excavated then an additional sample was collected from the southern sidewall, CSV-SA-8, approximately one foot further south and was non-detect for the chemicals of concern. Please see Table 1 below for full tabular analytical results.

TABLE 1: SOIL SAMPLE HEAD SPACE & ANALYTICAL RESULTS FOR SAMPLES COLLECTED												
						Analyte (mg/kg)						
ample ID	epth (ft)	ole Location	Space (ppm)	e Collected	ollected (24 hr.)	Benzene	Ethylbenzene	m,p-Xylene	o-Xylene	Toluene	Xylenes, Total	Gasoline
Sa	D	Samp	Head	Dat	Time Co	8260D	8260D	8260D	8260D	8260D	8260D	NWTPH-Gx
CSV-C-1	1	Characterization	-	1/3/2023	8:45	36	97	400	140	290	540	-
CSV-C-2	1	Characterization	0	1/4/2023	10:37	<0.24	<1.2	<4.9	<2.4	<1.2	<7.3	-
CSV-SA-3	5	Western Sidewall	0	1/6/2023	12:10	< 0.022	< 0.11	<0.44	<0.22	< 0.11	<0.66	<5.5
CSV-SA-4	6	Northern Sidewall	0	1/6/2023	12:17	< 0.025	< 0.12	< 0.50	<0.25	< 0.12	<0.75	<6.2
CSV-SA-5	10	Southern Sidewall	0	1/10/2023	9:50	0.072	0.26	1.2	0.41	0.69	1.6	20
CSV-SA-6	22	Bottom of Excavation	0	1/11/2023	9:40	< 0.021	<0.11	<0.43	<0.21	< 0.11	<0.64	<5.4
CSV-SA-7	10	Eastern Sidewall	54	1/11/2023	14:45	< 0.022	< 0.11	<0.45	<0.22	< 0.11	<0.67	<5.6
CSV-SA-8	10	Southern Sidewall	0	1/13/2023	9:05	< 0.024	< 0.12	<0.48	<0.24	< 0.12	<0.71	<5.9
MTCA METHOD A CLEANUP LEVEL (mg/Kg)				0.03	6	9	9	7	9	30		

Bold indicate amounts recorded above the laboratory reporting limit.

Red indicates amounts for confirmation samples recorded above DOE MTCA guidelines.

< indicates analyte not detected above laboratory reporting limit and value shown is the reporting limit.

General Information

Client:	City Service Valcon
Contact:	Tim Steele
Phone/Email:	(406)250-9447
	Tim.steele@cityservicevalcon.com
Responsible Party:	City Service Valcon
Site of Release:	18709 East Appleway Ave,
	Greenacres, Washington 99016

Release Information

Date & Time of Release:	Saturday December 31, 2022
Date & Time ACT Contacted:	Saturday December 31, 2022, at 5:07pm
ACT Representative:	Kipp Silver
Release Reported to:	Washington State Department of Ecology
Contact:	Patrick Brown
Phone:	(509) 329-3400

Type/Quantity/Physical State of Release:	Gasoline/75-200 gallons/liquid
Area Affected:	Concrete, asphalt, swale, and soil
Nearest surface water body to the release	
site:	Spokane River, 1.2 miles north
Has the release reached the surface water	
body?	No
Has the release affected the air?	No
Has the release reached the nearest	
aquifer/groundwater?	No
Was there a threat to public safety caused	No
by this release?	INO

Is there a potential for future/continued	
release from this incident?	No

Site Information

Adjacent land uses:	North: Commercial Building and Parking Area
	South: East Appleway Avenue and Commercial Buildings
	East: Car Wash Facility
	West: North Barker Road and Mobil Fuel Station
Population density near site:	1554.7/ square mile
Soil types:	Urban land-Opportunity, disturbed complex, 0 to 3 percent slopes (USDA Soil Survey)
Immediate site topography:	Commercial area and fuel station with an elevation of 2045 ft

Cleanup Information

ACT Project Manager:	Hayley Dallman
Has all contamination from this release been removed from the site?	Yes
Were cleanup materials determined to be hazardous waste?	No
Was contaminated material or water disposed of at an off-site location?	Yes, disposed of at a Subtitle D disposal facility

Conclusions & Recommendations

Able Clean-up Technologies removed 23 dump truck loads of soil, 430.59 tons, from the site for this release. The materials removed were taken off-site by ACT and disposed of at a Subtitle D Disposal Facility as a non-hazardous waste. The confirmation samples (CSV-SA-6), western sidewall (CSV-SA-3), northern sidewall (CSV-SA-3), and eastern sidewall (CSV-SA-7) indicated that contaminates of concern were below the MTCA Method A Cleanup Levels.

The initial sample from the southern sidewall (CSV-SA-5) indicated that benzene was present above MTCA Cleanup levels, therefore the excavation was continued to the south then an additional sample was collected about a foot further to the south and analytical results were nondetect at the laboratory reporting limit which is below MTCA Cleanup levels. The excavation was backfilled with inert clean soils and the top portion was covered with topsoil. When the weather improves the sprinkler line will be fixed and new grass sod will be placed in the swale area.

ACT recommends that no further remediation is necessary for this site pertaining to the release on December 31, 2022. This is according to MTCA Cleanup regulations Chapter 173-340 WAC, Table 740-1 Method A soil Cleanup Levels for Unrestricted Land Uses, November 2013. This conclusion is based on visual and analytical parameters along with support documentation.

This report has been prepared on behalf of Exxon Raja Market, City Service Valcon, and Washington State Department of Ecology for their environmental evaluation of the site. This report has been prepared in accordance with generally accepted land use assessment practices. No other warranty, expressed or implied, is made.

Prepared By:

ley Dallman

Hayley Dallman, G.I.T. Geologist

Reviewed By:

Alla

Kipp Silver, L.G. President

Attachment I. Site Location Map



Attachment II. Site Detail Map



Legend

★ Confirmation Sample Location

 \Rightarrow Characterization Sample Location

Approximate Excavation Boundary

CSV-C-1	Benzene 36, Ethylbenzene 97, Toluene 290, Xylenes total 540
CSV-C-2	BTEX: ND
CSV-SA-3	BTEX: ND; NWTPH-Gx: ND
CSV-SA-4	BTEX: ND; NWTPH-Gx: ND
CSV-SA-5	Benzene 0.072, Ethylbenzene 0.26, Toluene 0.69, Xylenes total 1.6; NWTPH-Gx 20
CSV-SA-6	BTEX: ND; NWTPH-Gx: ND
CSV-SA-7	BTEX: ND; NWTPH-Gx: ND
CSV-SA-8	BTEX: ND; NWTPH-Gx: ND

BTEX: Benzene, Ethylbenzene, Toluene, Xylenes <u>ND:</u> Non-detect <u>NWTPH-Gx:</u> Total Petroleum Hydrocarbons Gasoline All results in mg/kg

Elevation: 2045 Feet

100 feet

Attachment III. Site Photos



Photo shows spill area, taken facing a southwesterly direction.



Photo shows spill area, taken facing a northerly direction.



Photo shows excavation upon second trip, facing a southwesterly direction.



Photo shows excavation site, taken facing a westerly direction.



Photo shows excavation process, taken facing an easterly direction.



Photo shows excavation process, taken facing a westerly direction.



Photo shows excavation, taken facing a westerly direction.



Photo shows excavation process, taken facing a northerly direction.



Photo shows excavation, taken facing a westerly direction.



Photo shows excavation process, photo taken facing a southeasterly direction.



Photo shows excavation process, taken facing an easterly direction.



Photo shows excavation process, taken facing a southerly direction.



Photo shows excavation, taken facing an easterly direction.



Photo shows excavation process, taken facing an easterly direction.



Photo shows excavation process, taken facing a northeasterly direction.



Photo shows excavation, taken facing a northeasterly direction.



Photo shows final excavation process, taken facing a southwesterly direction.



Photo shows final excavation process, taken facing a southerly direction.



Photo shows final excavation process, taken facing an easterly direction.



Photo shows final excavation process, taken facing a southerly direction.



Photo shows final excavation, taken facing a northely direction.



Photo shows final excavation, taken facing a westerly direction.



Photo shows final excavation, taken facing a southeasterly direction.



Photo shows final excavation, taken facing a southeasterly direction.



Photo shows final excavation, taken facing an easterly direction.



Photo shows final excavation, taken facing a southerly direction.

Attachment IV. Laboratory Analytical Report



Environment Testing

I

ANALYTICAL REPORT

PREPARED FOR

Attn: Kipp E Silver Able Clean-Up Technologies, Inc 5308 N Myrtle St. PO BOX 6185 Spokane, Washington 99217 Generated 1/3/2023 5:15:07 PM

JOB DESCRIPTION

18709 E Appleway, Greenacres, WA

JOB NUMBER

590-19534-1

Eurofins Spokane 11922 East 1st Ave Spokane WA 99206

See page two for job notes and contact information.

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Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization

Lander Arrington Generated

1/3/2023 5:15:07 PM

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Authorized for release by Randee Arrington, Business Unit Manager Randee Arrington@et.eurofinsus.com (509)924-9200

Eurofins Spokane is a laboratory within Eurofins Environment Testing Northwest, LLC, a company within Eurofins Environment Testing Group of Companies Page 2 of 13 1/3/2023

Laboratory Job ID: 590-19534-1

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Case Narrative

Job ID: 590-19534-1

Client: Able Clean-Up Technologies, Inc Job ID: 590-19534-	1
Project/Site: 18709 E Appleway, Greenacres, WA	
Job ID: 590-19534-1	3
Laboratory: Eurofins Spokane	4
Narrative	- 5
Receipt	•
The sample was received on 1/3/2023 9:05 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, property preserved and on ice. The temperature of the cooler at receipt was 11.5° C.	
Receipt Exceptions The following sample was received at the laboratory outside the required temperature criteria: CSV-C-1 (590-19534-1). The sample is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling	8
process has begun.	9
GC/MS VOA	
Method 8260D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 590-39658 and analytical batch 590-39650.	
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.	
General Chemistry	

General Chemistry

Client: Able Clean-Up Technologies, Inc

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Sample Summary

Client: Able C Project/Site: 1	lean-Up Technologies, Inc 8709 E Appleway,Greenacres	s,WA	ſ	ob ID: 590-19534-1
Lab Sample ID 590-19534-1	Client Sample ID CSV-C-1	Matrix Solid	Collected Received 01/03/23 08:45 01/03/23 09:05	

Eurofins Spoke023

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Definitions/Glossary

Job ID: 590-19534-1

Client: Able C	Clean-Up Technologies, Inc	Job ID: 590-19534-1	2
Glossary	10709 L Appleway, Greenacies, WA		
Clossary	T		
Abbreviation	I nese commonly used abbreviations may or may not be present in this report.		
*D	Listed under the 10 column to designate that the result is reported on a dry weight dasis		
/arc	Percent Recovery		
CFL	Contains Free Liquid		5
CHU	Colony Forming Unit		
DEP	Contains No Free Liquid		
DIF	Dupicate Error Rado (normalized absolute difference)		
DIFAC	Datastian Limit (DoD/DOE)		
	Detection Limit (DOD/DOE) Indicator a Dilution. Re applyrin: Re extraction, or additional Initial metals/anion analysis of the sample		
DL, KA, KE, IN	Indicates a Diduori, Reanalysis, Reexbaction, or additional initial metalsranion analysis of the sample		
EDI	Editorial Detection Limit (National Instruction		· · ·
LOD	Limit of Detection (DeD/DOE)		
100	Limit of Ourpetitation (DoD/DOE)		алы (аралы) Стараларынын (аралы) Стараларынын (аралы)
MCL	EPA recommended "Maximum Contaminant Level"		
MDA	Minimum Detectable Activity (Particchemistry)		
MDC	Minimum Detectable Concentration (Parliochemistry)		
MDI	Mathod Detectable Concentration (read/outerinsuly)		
M	Minimum Level (Dioxin)		
MPN	Most Probable Number		
MQL	Method Quantitation Limit		
NC	Not Calculated		
ND	Not Detected at the reporting limit (or MDL or EDL if shown)		
NEG	Negative / Absent		
POS	Positive / Present		
PQL	Practical Quantitation Limit		
PRES	Presumptive		
QC	Quality Control		
RER	Relative Error Ratio (Radiochemistry)		
RL	Reporting Limit or Requested Limit (Radiochemistry)		
RPD	Relative Percent Difference, a measure of the relative difference between two points		
TEF	Toxicity Equivalent Factor (Dioxin)		
TEQ	Toxicity Equivalent Quotient (Dioxin)		
TNTC	Too Numerous To Count		

Eurofins Spokane

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Client Sample Results

Client: Able Clean-Up Technologies, Inc Project/Site: 18709 E Appleway, Greenacres, WA

Client Sample ID: CSV-	L	Lab Sample ID: 590-19534-1											
Date Collected: 01/03/23 08:	45	Matrix: Solid											
Date Received: 01/03/23 09:05 Percent Solids: 90.													
Method: SW846 8260D - Volatile Organic Compounds by GC/MS													
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac				
Benzene	36		1.9		mg/Kg	¢	01/03/23 11:30	01/03/23 12:56	100				
Ethylbenzene	97		9.3		mg/Kg	¢	01/03/23 11:30	01/03/23 12:56	100	6			
m-Xylene & p-Xylene	400		37		mg/Kg	¢	01/03/23 11:30	01/03/23 12:56	100				
o-Xylene	140		19		mg/Kg	¢	01/03/23 11:30	01/03/23 12:56	100				
Toluene	290		9.3		mg/Kg	Ŷ	01/03/23 11:30	01/03/23 12:56	100				
Xylenes, Total	540		56		mg/Kg	۵	01/03/23 11:30	01/03/23 12:56	100				
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	~			
1,2-Dichloroethane-d4 (Surr)	101		75-129				01/03/23 11:30	01/03/23 12:56	100				
4-Bromofluorobenzene (Surr)	109		76-122				01/03/23 11:30	01/03/23 12:56	100				
Dibromofluoromethane (Surr)	98		80 - 120				01/03/23 11:30	01/03/23 12:56	100				
Toluene-d8 (Surr)	99		80_120				01/03/23 11:30	01/03/23 12:56	100				

Eurofins Spokane

Job ID: 590-19534-1

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lient: Able Clean Un Techn	ologies Inc.		to Sumple	Rest	111.5					lab ID: 500	1053/ 1
roject/Site: 18709 E Applev	vay, Greenacr	es,WA								JOD ID. 590-	19334-1
lethod: 8260D - Volat	ile Organic	: Comp	ounds by G	C/MS							
Lab Sample ID: MR 500.2	000014							Cliv	ant Come	ale ID: Metho	d Blank
Matrix: Solid	9050/1-A							CII	ent Samp	Prep Type: 1	otal/NA
Analysis Batch: 39650										Prep Batch	: 39658
,		MB MB									
Analyte	Re	sult Quali	fier RL	. 1	MDL	Unit		D P	repared	Analyzed	Dil Fac
Benzene		ND	0.020			mg/Kg		01/0	3/23 11:30	01/03/23 12:12	1
Ethylbenzene		ND	0.10)		mg/Kg	9	01/0	3/23 11:30	01/03/23 12:12	1
m-Xylene & p-Xylene		ND	0.40)		mg/Kg	9	01/0	3/23 11:30	01/03/23 12:12	1
o-Xylene		ND	0.20)		mg/Kg	9	01/0	3/23 11:30	01/03/23 12:12	1
Toluene		ND	0.10)		mg/Kg	9	01/0	3/23 11:30	01/03/23 12:12	1
Xylenes, Total		ND	0.60)		mg/Kg	9	01/0	3/23 11:30	01/03/23 12:12	1
Sumonate	%Record	momo Verv Ousli	fior Limits					P	renared	Analyzed	Dil Eac
1.2-Dichloroethane-d4 (Surr)	78110000	97	75-129	-				01/	03/23 11:30	01/03/23 12:12	1
4-Bromofluorobenzene (Surr)		106	76,122					01/0	3/23 11:30	01/03/23 12:12	1
Dibromofluoromethane (Surr)		97	80_120					01/0	03/23 11:30	01/03/23 12:12	1
Toluene-d8 (Surr)		95	80-120					01/0	03/23 11:30	01/03/23 12:12	1
Lab Sample ID: LCS 590-	39658/2-A						Clie	nt Sa	mple ID:	Lab Control	Sample
Matrix: Solid										Prep Type: 1	fotal/NA
Analysis Batch: 39650										Prep Batch	1: 39658
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qual	ifier	Unit	D	%Rec	Limits	
Benzene			0.500	0.522			mg/Kg		104	76 - 139	
Ethylbenzene			0.500	0.527			mg/Kg		105	77 - 135	
m-Xylene & p-Xylene			0.500	0.522			mg/Kg		104	78 - 130	
o-Xylene			0.500	0.524			mg/Kg		105	77 - 129	
Toluene			0.500	0.506			mg/Kg		101	77-131	
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	105		75-129								
4-Bromofluorobenzene (Surr)	96		76-122								
Dibromofluoromethane (Surr)	109		80 - 120								
Toluene-d8 (Surr)	98		80 - 120								

QC Sample Results

Eurofins Spokane

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Client: Able Cl	oon Un Tosh	pologico Inc.		Lab Chronicle											
Project/Site: 18			UD ID. 5	90-19554-1											
Client Sample ID: CSV-C-1 Date Collected: 01/03/23 08:45 Date Received: 01/03/23 09:05							L	ab Sample	ID: 590 Ma)-19534-1 atrix: Solid					
Prep Type Total/NA	Batch Type Analysis	Batch Method Moisture	Run	Dil Factor 1	Initial Amount	Final Amount	Batch Number 39655	Prepared or Analyzed 01/03/23 11:58	Analyst AMB	Lab EET SPK	4 5 6				
Client Sample ID: CSV-C-1 Date Collected: 01/03/23 08:45 Date Received: 01/03/23 09:05 Date Received: 01/03/23 09:05)-19534-1 atrix: Solid iolids: 90.9	7				
Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 5035 8260D	Run	Dil Factor 100	Initial Amount 6.6 g 0.86 mL	Final Amount 5 mL 43 mL	Batch Number 39658 39650	Prepared or Analyzed 01/03/23 11:30 01/03/23 12:56	Analyst JSP JSP	Lab EET SPK EET SPK	8 9 10				
Laboratory Refe EET SPK = Euro	erences: fins Spokane, 1	1922 East 1st Av	e, Spokane, V	WA 99206, T	'EL (509)924-6	9200									

Eurofins Spokane

1/3/2023

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Accreditation/Certification Summary

Accreditation/Certification Summary											
Project/Site: 18709 E	Appleway, Greenacr	00010.000-10004-1									
Laboratory: Euro Unless otherwise noted, al	ofins Spokane	ry were covered under (each accreditation/certification below.								
Authority	Pro	ogram	Identification Number	Expiration Date							
The following analyte	s are included in this repo	ne rt, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which	5						
the agency does not Analysis Method	offer certification. Prep Method	Matrix	Analyte								
Moisture Moisture		Solid Solid	Percent Moisture Percent Solids								
					8						
					9						

Eurofins Spokane

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Method Summary

Job ID: 590-19534-1 Client: Able Clean-Up Technologies, Inc Project/Site: 18709 E Appleway, Greenacres, WA Method 8260D Method Description Volatile Organic Compounds by GC/MS Laboratory Protocol SW846 EET SPK Moisture Percent Moisture EPA EET SPK 5 6 7 8 9 10 11 5035 EET SPK Closed System Purge and Trap SW846 Protocol References: EPA = US Environmental Protection Agency SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane

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TestAmerica Spokane

Relinquished by:

Relinquished by

Chain of Custody Record

Trazz C 1St Avenue	
Spokane WA 99206-5302	

TestAmerica Spokane 11922 E 1st Avenue				CI	nain	of	C	ust	tod	ly I	Re	cor	d							IestAmerica	1
Spokane WA 99206-5302 phone 509 924 9200 fax 509 924 9290	Reaul	atory Pro	gram [low I	NPDES	; 1	□ ac	RA		ther										ہ TestAmerica Laboratories, Inc	
Client Contact	Project M	anager Ki	ion Silvor									13/202				Te	COC No				
Able Cleanun Technologies Inc	Tol/Eav 6	fel/Eex 500 604 0442					Cal	atact	.rupi	011	ver			arrio	Abo	Close				1 of 1 COCs	
5308 N. Mutla Street	TUNPAK U	Analysis T	urnaround	Time			1	Tact	इ.स.		-	T T		arrio	1 And Closingh					Samplar King Silver	
Soskape 16(4.00247									i ai l											For Lab Lise Only	
500.466.5055	TAT	t different free	nor Belevi d				÷.		2							1				Walk-in Client:	5
509-487-9810			n neitaw u	ays	_	l:	5		3			11		1				11		ab Sampling.	5
Project Name Conoco/ City Service Valcon	1 8		l week			SÉ	2		§	1											
Site: 18709 E Appleway Greenacres WA	1 🛱		2 days			5	2		l ĝ											lob / SDG No	
P O # 23004	1		l dav			2	ic is		ő								11	F			
		<u> </u>	Sample	· · · · ·		ŝ	2 I 2		ad,		1 a	× I							ŀ		
Sample Identification	Sample Date	Sample Time	Type (C=Comp. G=Grab)	Matrix	# of Cont.	Filtered	Total Ar	BTEX	Total Le	Flash P	WTPH-0	WTPH-C								Sample Specific Notes	8
	1/3/23		C			T				T	T				H		\square				
CSV-C-1	TOLO			Soil	1	⊢∔	_	X	\vdash		-			-	+ +		\vdash	++	4	ASAP RUSH	
																			4		
						П															
				<u> </u>	<u> </u>	⊢⊦		+		-	+-	++			++			+	-+		
																					4.4
						П					Т	TT		1							
						H		+		-+-		+			╞╌┼╸		\vdash		-+		
						\mathbb{H}		-		+					-			++	-		
										_				_		_		1 1			
																	UNA	n na ma	raw.	Birman C.	
						H	+				+-	+	+	-	+ (1)111111111				IMH	KARARAN —	
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		L	L	L		Ц	_			-	_	\vdash				+			ona	n of Custody	
Preservation Used 1= Ice, 2= HCI, 3= H2SO4, 4=HNO3 5	NaOH 6=	Other		and the second second		-					1								_	I manufact discoute	
Are any samples from a listed EPA Hazardous Waste? Please	1 ist any FP	A Waste (Codes for th	ne samo	le in the	, ľ	sam	pie D	uspo	sai (A le	e may	ne a	isses	sea n	samp	nes a	re reta	imec	i longer than 1 month)	
Comments Section if the lab is to dispose of the sample						1															
Non-Hazard Flammable Skin Irritant	Poison	8	Unko	own			[]	Retur	n to C	lient		Г	Dispo	isal by	Lab		A 🗌	chive fo	(Months	
Special Instructions/QC Requirements & Comments																					
Custody Seals Intact. Yes I tim	Custody S	eal No							Con	ler Tr	emp	(°C)	Obs'c	TT I	12 Corrid ILS					Therm ID No. 10	
Relinquished by Kipp Silver	Company	Able Clea	nup Tech	Date/T	me	1	Rece	ived	by:			/		unter	Com	pany			1	Date/Time	
Relinnuished by:	Company			1/3/	<u>73 90</u>	5	Para	hovi	hvr						Com	anır			-	Date/Time	
	a a mpany			1		- r			~,						10000				- P		

eceived Haberatory by Page 12 of 13

Date/Time

Company

Company: Compan

Company
Login Sample Receipt Checklist

Client: Able Clean-Up Technologies, Inc

Job Number: 590-19534-1

Login Number: 19534 List Number: 1 Creator: Fettig, Riley			List Source: Eurofins Spokane
Question	Answer	Comment	
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> <td></td>	N/A		
The cooler's custody seal, if present, is intact.	N/A		
Sample custody seals, if present, are intact.	N/A		
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	True		
Cooler Temperature is acceptable.	True		
Cooler Temperature is recorded.	True		
COC is present.	True		
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
Is the Field Sampler's name present on COC?	True		
There are no discrepancies between the containers received and the COC.	True		
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <8mm (1/4").	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

Eurofins Spokane

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1/3/2023



Environment Testing

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ANALYTICAL REPORT

1

PREPARED FOR

Attn: Kipp E Silver Able Clean-Up Technologies, Inc 5308 N Myrtle St. PO BOX 6185 Spokane, Washington 99217 Generated 1/5/2023 11:36:46 AM

JOB DESCRIPTION

18709 E Appleway, Greenacres, WA

JOB NUMBER

590-19545-1

静 🖾

Eurofins Spokane 11922 East 1st Ave Spokane WA 99206

See page two for job notes and contact information.

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Eurofins Spokane

Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

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Cardie Arringtor

Generated 1/5/2023 11:36:46 AM 1

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Authorized for release by Randee Arrington, Business Unit Manager Randee Arrington@et.eurofinsus.com (509)924-9200

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Laboratory Job ID: 590-19545-1

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Chronicle	•
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Method Summary 1	11
Chain of Custody 1	12
Receipt Checklists 1	13

Eurofins Spokane 1/5/2023

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Case Narrative	1
Client: Able Clean-Up Technologies, Inc Job ID: 590-19545-1 Project/Site: 18709 E Appleway, Greenacres, WA	
Job ID: 590-19545-1	3
Laboratory: Eurofins Spokane	
Narrative	5
Receipt The sample was received on 1/4/2023 10:52 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, property preserved and on ice. The temperature of the cooler at receipt was 4.6° C.	6
GC/MS VOA Method 8260D: The following sample was diluted due to the nature of the sample matrix: CSV-C-2 (590-19545-1). Elevated reporting limits (RLs) are provided.	7 8
Method 8280D: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 590-39671 and analytical batch 590-39672.	9
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.	
General Chemistry No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.	

VOA Prep No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Eurofins Spokane 1/5/2023

Sample Summary

Client: Able Cl	aan Un Tachnologiaa, Inc.	Sample Sur	nmary	lob ID: 500 10545 1	1
Project/Site: 1	8709 E Appleway, Greenacre	s, WA		JUD ID. 330-13343-1	2
Lab Sample ID	Client Sample ID	Matrix	Collected Received		
590-19545-1	CSV-C-2	Solid	01/04/23 10:37 01/04/23 10:52		4
					5
					8
					9

Eurofins Spelle023

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Definitions/Glossary

Job ID: 590-19545-1

_	_
Client: Able Clean-Up Technologies, Inc	
Project/Site: 18709 E Appleway, Greenacres, WA	

Client: Able C Project/Site:	Clean-Up Technologies, Inc 18709 E Appleway, Greenacres, WA	Job ID: 590-19545-1	
Glossarv			
Abbreviation	These commonly used abbreviations may or may not be present in this report.		
0	Listed under the "D" column to designate that the result is reported on a dry weight basis		
%R	Percent Recovery		
CFL	Contains Free Liquid		-
CFU	Colony Forming Unit		Э
CNF	Contains No Free Liquid		
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		
DL	Detection Limit (DoD/DOE)		
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample		
DLC	Decision Level Concentration (Radiochemistry)		
EDL	Estimated Detection Limit (Dioxin)		
LOD	Limit of Detection (DoD/DOE)		
LOQ	Limit of Quantitation (DoD/DOE)		
MCL	EPA recommended "Maximum Contaminant Level"		
MDA	Minimum Detectable Activity (Radiochemistry)		
MDC	Minimum Detectable Concentration (Radiochemistry)		
MDL	Method Detection Limit		
ML	Minimum Level (Dioxin)		
MPN	Most Probable Number		
MQL	Method Quantitation Limit		
NC	Not Calculated		
ND	Not Detected at the reporting limit (or MDL or EDL if shown)		
NEG	Negative / Absent		
POS	Positive / Present		
PQL	Practical Quantitation Limit		
PRES	Presumptive		
QC	Quality Control		
RER	Relative Error Ratio (Radiochemistry)		
RL	Reporting Limit or Requested Limit (Radiochemistry)		
RPD	Relative Percent Difference, a measure of the relative difference between two points		
TEF	Toxicity Equivalent Factor (Dioxin)		
TEQ	Toxicity Equivalent Quotient (Dioxin)		
TNTC	Too Numerous To Count		

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Client Sample Results

Client: Able Clean-Up Technologies, Inc Project/Site: 18709 E Appleway, Greenacres, WA

Client Sample ID: CSV-C-2 Date Collected: 01/04/23 10:37

Job ID: 590-19545-1

Lab Sample ID: 590-19545-1 Matrix: Solid

Date Received: 01/04/23 10:	52							Percent Solid	s: 77.6	
Method: SW846 8260D - Vo Analyte	olatile Organic Result	Compoun Qualifier	ds by GC/MS RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	5
Benzene	ND		0.24		mg/Kg	¢	01/04/23 13:05	01/04/23 17:23	10	-
Ethylbenzene	ND		1.2		mg/Kg	¢	01/04/23 13:05	01/04/23 17:23	10	6
m-Xylene & p-Xylene	ND		4.9		mg/Kg	¢	01/04/23 13:05	01/04/23 17:23	10	
o-Xylene	ND		2.4		mg/Kg	¢	01/04/23 13:05	01/04/23 17:23	10	
Toluene	ND		1.2		mg/Kg	¢	01/04/23 13:05	01/04/23 17:23	10	_
Xylenes, Total	ND		7.3		mg/Kg	¢	01/04/23 13:05	01/04/23 17:23	10	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	95		75-129				01/04/23 13:05	01/04/23 17:23	10	
4-Bromofluorobenzene (Surr)	103		76-122				01/04/23 13:05	01/04/23 17:23	10	
Dibromofluoromethane (Surr)	97		80 - 120				01/04/23 13:05	01/04/23 17:23	10	
Toluene-d8 (Surr)	97		80_120				01/04/23 13:05	01/04/23 17:23	10	

Eurofins Spokane

1/5/2023

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roject/Site: 18709 E Applev Aethod: 8260D - Volat	vay, Greenacres ile Organic (, wa Compou	nds by GO	:/MS							
Lab Sample ID: MB 590-3	9671/1-A							С	ient Samp	ole ID: Metho	d Blank
Matrix: Solid										Prep Type: T	otal/NA
Analysis Batch: 39672										Prep Batch	: 39671
	ME	3 MB									
Analyte	Resul	t Qualifier	RL		MDL	Unit		D	Prepared	Analyzed	Dil Fac
Benzene	NE)	0.020			mg/K	9	01	/04/23 13:05	01/04/23 13:45	1
Ethylbenzene	NE)	0.10			mg/K	9	01	/04/23 13:05	01/04/23 13:45	1
m-Xylene & p-Xylene	NE)	0.40			mg/K	9	01	/04/23 13:05	01/04/23 13:45	1
o-Xylene	NE)	0.20			mg/K	9	01	/04/23 13:05	01/04/23 13:45	1
Toluene	NE)	0.10			mg/K	9	01	/04/23 13:05	01/04/23 13:45	1
Xylenes, Total	NE)	0.60			mg/K	9	01	/04/23 13:05	01/04/23 13:45	1
	ME	MR									
Surrogate	%Recover	, Qualifier	Limits						Prepared	Analyzed	Dil Fac
1.2-Dichloroethane-d4 (Surr)	10	1	75-129					01	/04/23 13:05	01/04/23 13:45	1
4-Bromofluorobenzene (Surr)	10	0	76_122					01	/04/23 13:05	01/04/23 13:45	1
Dibromofluoromethane (Surr)	90	8	80_120					01	/04/23 13:05	01/04/23 13:45	1
Toluene-d8 (Surr)	10	8	80 - 120					01	/04/23 13:05	01/04/23 13:45	1
Lab Sample ID: LCS 590-	39671/2-A						Clie	nt Sa	ample ID:	Lab Control	Sample
Matrix: Solid										Prep Type: T	otal/NA
Analysis Batch: 39672										Prep Batch	: 39671
			Spike	LCS	LCS					%Rec	
Analyte			Added	Result	Qua	lifier	Unit) %Rec	Limits	
Benzene			0.500	0.550			mg/Kg		110	76-139	
Ethylbenzene			0.500	0.583			mg/Kg		117	77 - 135	
m-Xylene & p-Xylene			0.500	0.577			mg/Kg		115	78 - 130	
o-Xylene			0.500	0.510			mg/Kg		102	77 - 129	
Toluene			0.500	0.617			mg/Kg		123	77 - 131	
	LCS LC	s									
Surrogate	%Recovery Qu	alifier	Limits								
1.2-Dichloroethane-d4 (Surr)	95		75-129								
4-Bromofluorobenzene (Surr)	112		76-122								
Dibromofluoromethane (Surr)	94		80-120								
Toluene-d8 (Surr)	440		00 400								

QC Sample Results

Job ID: 590-19545-1

Eurofins Spokane

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Lab Chronicle Client: Able Clean-Up Technologies, Inc Job ID: 590-19545-1 Project/Site: 18709 E Appleway, Greenacres, WA Client Sample ID: CSV-C-2 Lab Sample ID: 590-19545-1 Date Collected: 01/04/23 10:37 Matrix: Solid Date Received: 01/04/23 10:52 Batch Batch Dil Initial Final Batch Prepared Number or Analyzed Analyst Lab 01/04/23 14:09 JSP EET Method Prep Type Туре Run Factor Amount Amount Total/NA EET SPK Moisture 39675 Analysis 1 Lab Sample ID: 590-19545-1 Client Sample ID: CSV-C-2 Date Collected: 01/04/23 10:37 Matrix: Solid Date Received: 01/04/23 10:52 Percent Solids: 77.6 8 Prepared Batch Batch Dil Initial Final Batch Prep Type Method Amount Number or Analyzed Analyst Run Factor Amount Lab Туре 6.91 g 01/04/23 13:05 JSP Total/NA 5035 39671 5 mL EET SPK Prep Total/NA Analysis 8260D 10 0.86 mL 43 mL 39672 01/04/23 17:23 JSP EET SPK Laboratory References: EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane

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Accreditation/Certification Summary

Job ID: 590-19545-1 Client: Able Clean-Up Technologies, Inc Project/Site: 18709 E Appleway, Greenacres, WA Laboratory: Eurofins Spokane Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below. 4 5 6 7 8 9 10 11 Program State
 Identification Number
 Expiration Date

 C569
 01-06-23
 Authority Washington The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. Matrix Solid Analyte Percent Moisture Analysis Method Prep Method Moisture Moisture Solid Percent Solids

Eurofins Spokane

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Method Summary

Job ID: 590-19545-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK
Protocol F	References:		
EPA = (US Environmental Protection Agency		
SW846	= "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods".	Third Edition, November 1986 And Its Update	25.

aboratory References: EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Client: Able Clean-Up Technologies, Inc Project/Site: 18709 E Appleway, Greenacres, WA

Eurofins Spokane

1/5/2023

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TestAmerica Spokane 11922 E 1st Avenue

Chain of Custody Record

TestAmerica Spokane 11922 E 1st Avenue				Cł	nain	of	С	ust	od	ly I	Rei	cor	t							TestAmerica	a
Spokane WA 99206-5302 phone 509 924 9200 fax 509 924 9290	Requ	latory Pro	aram [Dw [NPDE	s í	R	RÁ	По	ther										TestAmerica Laboratories Ir	nc
Client Contact	Project N	lanager: K	inn Silver			Isite	Co	ntact	Kip	Sil	/or		Dat	te 1/4	/2023				-	COC No	
Able Cleanup Technologies Inc	Tel/Fax 5	09-991-94	12			Lab	Co	ntaci	rap				Ca	rrier	Abe	Clean	up		-+	1 of 1_COCs	
5308 N Mydle Street	1001 and 0	Analysis T	umaround	Time		fΤ	T		T	T	-	TT	-	<u> </u>	1	TT	T-	1		Sampler Kipp Silver	
Sookane, WA 99217	CALE	DAR DAYS	U WO	RKING DA	YS	11			m											For Lab Use Only	
509-466-5255	TAT	if cifferent from	m Below c	lavs		1 1	z		ā											Walk-in Client.	
509-487-9810			2 weeks			12b	-1	11	-	1	1	11		[[11	1	1 1		Lab Sampling	
Project Name Conoco/ City Service Valcon			1 week			I>I2	5		i,						1			1			
Site 18709 E. Appleway Greenacres WA			Z days			ě	2		-Bell										. I	Job / SDG No	
PO# 23004			1 day			E a	in a		Ű,												
	Sample	Sample	Sample Type (C=Comp.		# of	tered Sa	tal Arse	ы	tal Lead	15 14 14 14	LPH-Gx	TPH-Dx									
Sample Identification	Date	Time	G=Grab)	Matrix	Cont	Ξi	e t	8	₽	Ë a	3	3			_		_			Sample Specific Notes.	
CSV-C-2	1/4/23	10 37	С	Soil	1			х		_			_	\square	_			6		ASAP RUSH	
																			_		
						П	Т			Т	T										
						++	+	+	+	+	+	++				+			+		-
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						11															
				1		++	+			+	1	-+-	-			++					_
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						11										1	1	L I	1		
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						11															
						++	+	1	+	+				\vdash		1			111		-
				J		4	╇					┝─┥╸				4	590.4	05.4	N ONNI 5. Original	NIT MARKING MARING MARKING MARK	
Preservation Used 1= Ice, 2= HCI, 3= H2SO4, 4=HNO3;	5=NaOH 6=	Other				-		1			-	<u> </u>	_	1		<u> </u>	000-1	504	o un	and or Custody	in the second second
Possible Hazard Identification Are any samples from a listed EPA Hazardous Waste? Please Comments Section if the lab is to dispose of the sample	e List any El	PA Waste (Codes for t	he samp	le in th	e	sam	ріе D	ispo	sai (A tee	e may	be as	5655	edins	sampi	es are	e reta	aineo	d longer than 1 month)	
Non-Hazard Etaminable Skin Ir itant	Poiso	n B	Unkr	IO4KD			Г	Retur	n to C	lient			Dispos	ai by t	ab		Arch	hive fo	or1	Months	
Special Instructions/QC Requirements & Comments							a la se di man								a de la companya de la company						
Custody Seals Intact. Yes No	Custody S	Seal No							Coo	ler T	emp	(°C) (bs'd	1.2		Corrio	u	6		Therm ID No 1000	
Relinquished by Kipp Silver	Company	Able Clea	nup Tech	Date/T	ime	ſ	Rece	ived I	by:					6	Compa	any			1	Date/Time	
Relinquished by	Company			Date/T	me	1	Rece	ived I	by: D					1	Compa	any			1	Date/Time	
Relinquished by	Company			Date/T	me	F	Rece	iver	S	bor	fory b	¥		0	Comps	any	A		1	Date/Time	

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16, d 1/5/2023

Login Sample Receipt Checklist

Login Sample Receipt Checklist									
Client: Able Clean-Up Technologies, Inc			Job Number: 590-19545-1						
Login Number: 19545 List Number: 1 Creator: Fettig, Riley			List Source: Eurofins Spokane	4 5					
Question	Answer	Comment							
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td> <td></td> <td></td>	N/A								
The cooler's custody seal, if present, is intact.	N/A								
Sample custody seals, if present, are intact.	N/A								
The cooler or samples do not appear to have been compromised or tampered with.	True			9					
Samples were received on ice.	True								
Cooler Temperature is acceptable.	True								
Cooler Temperature is recorded.	True								
COC is present.	True								
COC is filled out in ink and legible.	True			10					
COC is filled out with all pertinent information.	True			12					
Is the Field Sampler's name present on COC?	True								
There are no discrepancies between the containers received and the COC.	True								
Samples are received within Holding Time (excluding tests with immediate HTs)	True								
Sample containers have legible labels.	True								
Containers are not broken or leaking.	True								
Sample collection date/times are provided.	True								
Appropriate sample containers are used.	True								
Sample bottles are completely filled.	True								
Sample Preservation Verified.	N/A								
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True								
Containers requiring zero headspace have no headspace or bubble is <8mm (1/4*).	True								
Multiphasic samples are not present.	True								
Samples do not require splitting or compositing.	True								
Residual Chlorine Checked.	N/A								

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

1

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Attn: Kipp E Silver Able Clean-Up Technologies, Inc 5308 N Myrtle St. PO BOX 6185 Spokane, Washington 99217 Generated 1/12/2023 4:19:10 PM

JOB DESCRIPTION

City Service Valcon

JOB NUMBER

590-19587-1

Eurofins Spokane 11922 East 1st Ave Spokane WA 99206

See page two for job notes and contact information.

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Eurofins Spokane

Job Notes

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Authorized for release by Randee Arrington, Business Unit Manager Randee Arrington@et.eurofinsus.com (509)924-9200

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Eurofins Spokane 1/12/2023

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Case Narrative

Job ID: 590-19587-1 Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon 3 Job ID: 590-19587-1 Laboratory: Eurofins Spokane Narrative 5 Receipt The samples were received on 1/11/2023 10:05 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.1º C. 7 8 9 10 11 GC/MS VOA No analytical or quality issues were noted, other than those described in the Definitions/Glossary page. General Chemistry No analytical or quality issues were noted, other than those described in the Definitions/Glossary page. VOA Prep No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Sample Summary

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon Job ID: 590-19587-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-19587-1	CSV-SA-3	Solid	01/06/23 12:10	01/11/23 10:05
590-19587-2	CSV-SA-4	Solid	01/06/23 12:17	01/11/23 10:05
590-19587-3	CSV-SA-5	Solid	01/10/23 09:50	01/11/23 10:05
590-19587-4	CSV-SA-6	Solid	01/11/23 09:40	01/11/23 10:05

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Eurofins Spotson23

Definitions/Glossary

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon

Project/Site: (City Service Valcon Job ID: 590-19587-1	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	- 3
•	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	5
CFU	Colony Forming Unit	Ð
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
DII Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	

TNTC Too Numerous To Count

Eurofins Spokane

Job ID: 590-19587-1

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Client Sample Results

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon

Client Sample ID: CSV-SA-3

Job ID: 590-19587-1

Lab Sample ID: 590-19587-1 Matrix: Solid

Date Collected: 01/06/23 12:	10						-	Matrix	c: Solid	
Date Received: 01/11/23 10:0	5							Percent Solid	ls: 92.6	
Method: SW846 8260D - Vo	latile Organic	Compour	ds by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac	5
Benzene	ND		0.022		mg/Kg	¢	01/11/23 15:16	01/12/23 02:59	1	
Ethylbenzene	ND		0.11		mg/Kg	¢	01/11/23 15:16	01/12/23 02:59	1	6
m-Xylene & p-Xylene	ND		0.44		mg/Kg	ø	01/11/23 15:16	01/12/23 02:59	1	
o-Xylene	ND		0.22		mg/Kg	ø	01/11/23 15:16	01/12/23 02:59	1	
Toluene	ND		0.11		mg/Kg	ø	01/11/23 15:16	01/12/23 02:59	1	
Xylenes, Total	ND		0.66		mg/Kg	ø	01/11/23 15:16	01/12/23 02:59	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	109		75-129				01/11/23 15:10	01/12/23 02:50	1	
4-Bromofluorobenzene (Surr)	107		76-122				01/11/23 15:16	01/12/23 02:59	1	
Dibromofluoromethane (Surr)	100		80.120				01/11/23 15:16	01/12/23 02:59	1	
Toluene-d8 (Surr)	90		80 - 120				01/11/23 15:16	01/12/23 02:50	1	
- Method: NWTPH-Gx - North	west - Volatile	e Petroleu	m Products (GC/MS)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac	
Gasoline	ND		5.5		mg/Kg	ø	01/11/23 15:16	01/12/23 02:59	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	107		41.5 - 102				01/11/23 15:10	01/12/23 02:59	1	
Date Collected: 01/06/23 12:1 Date Received: 01/11/23 10:0	17 15						ab oumpr	Matrix Percent Solid	c: Solid ls: 91.8	
Method: SW846 8260D - Vo	latile Organic	Compour	ds by GC/MS							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac	
Benzene	ND		0.025		mg/Kg	ø	01/11/23 15:16	01/12/23 04:03	1	
Ethylbenzene	ND		0.12		mg/Kg	ø	01/11/23 15:16	01/12/23 04:03	1	
m-Xylene & p-Xylene	ND		0.50		mg/Kg	ø	01/11/23 15:16	01/12/23 04:03	1	
o-Xylene	ND		0.25		mg/Kg	¢	01/11/23 15:16	01/12/23 04:03	1	
Toluene	ND		0.12		mg/Kg	¢	01/11/23 15:16	01/12/23 04:03	1	
Xylenes, Total	ND		0.75		mg/Kg	ø	01/11/23 15:16	01/12/23 04:03	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1,2-Dichloroethane-d4 (Surr)	107		75-129				01/11/23 15:10	01/12/23 04:03	1	
4-Bromofluorobenzene (Surr)	104		76-122				01/11/23 15:16	01/12/23 04:03	1	
Dibromofluoromethane (Surr)	101		80 - 120				01/11/23 15:16	01/12/23 04:03	1	
Toluene-d8 (Surr)	102		80.120				01/11/23 15:16	01/12/23 04:03	1	
-										
Method: NWTPH-Gx - North	west - Volatile	e Petroleu	m Products (GC/MS)						
Method: NWTPH-Gx - North Analyte	west - Volatile Result	e Petroleu Qualifier	m Products (RL	GC/MS) MDL	Unit	D	Prepared	Analyzed	DII Fac	

 %Recovery
 Qualifier
 Limits

 104
 41.5 - 162

 Prepared
 Analyzed
 Dil Fac

 01/11/23
 15:16
 01/12/23
 04:03
 1
 Surrogate 4-Bromofluorobenzene (Surr)

Eurofins Spokane

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Client Sample Results

								Job ID: 590-1	9587-1
lient: Able Clean-Up Technol	ogies, Inc							000 10. 000-1	
Project/Site: City Service Valc	on								
Client Sample ID: CSV-	SA-5					L	ab Sample	e ID: 590-19	587-3
ate Collected: 01/10/23 09:	50							Matrix	: Solid
ate Received: 01/11/23 10:0	05						1	Percent Solid	s: 92.6
		-							
Method: SW846 8260D - Vo	latile Organic	Compoun	ds by GC/MS			-	-		
Analyte	Result	Qualifier		MDL	Unit	<u> </u>	Prepared	Analyzed	DIFac
Benzene	0.072		0.025		mg/Kg mg/Kg	°	01/11/23 15:16	01/12/23 05:07	
Eurypenzene 	0.20		0.12		malKa		01/11/23 13:10	01/12/23 05:07	
	0.41		0.47		malKa		01/11/23 15:16	01/12/23 05:07	
Toluene	0.69		0.12		ma/Ka	, in the second	01/11/23 15:16	01/12/23 05:07	
Yvlenes Total	1.6		0.70		ma/Ka		01/11/23 15:16	01/12/23 05:07	1
Ayrenes, rotar	1.0					-			1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		75-129				01/11/23 15:10	01/12/23 05:07	1
4-Bromofluorobenzene (Surr)	105		76-122				01/11/23 15:16	01/12/23 05:07	1
Dibromofluoromethane (Surr)	107		80.120				01/11/23 15:16	01/12/23 05:07	1
Toluene-d8 (Surr)	95		80 - 120				01/11/23 15:16	01/12/23 05:07	1
		Deterlar	- Desidents (
Method: NWTPH-GX - Nort	nwest - volatile	Petroleu	m Products ((SC/MS)	Unit		Draparad	Analyzed	DII Eee
Analyte	Result	Guaimer	RL.	MUL	Unit		Prepared	Analyzed	DIFAC
Casalina	20		5.0		malka	100	01/11/02 15:16	01/12/22 05:07	
Gasoline	20		5.9		mg/Kg	¢	01/11/23 15:16	01/12/23 05:07	1
Gasoline Surrogate	20 %Recovery	Qualifier	5.9 Limits		mg/Kg	¢	01/11/23 15:16 Prepared	01/12/23 05:07 Analyzed	1 Dil Fac
Gasoline Surrogate 4-Bromofluorobenzene (Surr)	20 %Recovery 100	Qualifier	5.9 Limits 41.5 - 102		mg/Kg	٥	01/11/23 15:16 Prepared 01/11/23 15:16	01/12/23 05:07 Analyzed 01/12/23 05:07	1 Dil Fac 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr)	20 %Recovery 100	Qualifier	5.9 Limits 41.5 - 162		mg/Kg	*	01/11/23 15:16 Prepared 01/11/23 15:16	Analyzed 01/12/23 05:07 01/12/23 05:07	1 Dil Fac 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV-	20 <u>%Recovery</u> 100 SA-6	Qualifier	5.9 Limits 41.5 - 102		mg/Kg	°	01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample	Analyzed 01/12/23 05:07 01/12/23 05:07 e ID: 590-19	1 DII Fac 1 587-4
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- ate Collected: 01/11/23 09:	20 %Recovery 100 SA-6 40	Qualifier	5.9 Limits 41.5 - 162		mg/Kg	° L	01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample	Analyzed 01/12/23 05:07 01/12/23 05:07 e ID: 590-19 Matrix	1 DII Fac 1 587-4 :: Solid
Gasoline Surrogate 4-Bromonivorobenzene (Surr) Client Sample ID: CSV- Jate Collected: 01/11/23 09: Jate Received: 01/11/23 10:0	20 <u>%Recovery</u> 105 SA-6 40 05	Qualifier	5.9 Limits 41.5 - 102		mg/Kg	ľ	01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample	Analyzed 01/12/23 05:07 01/12/23 05:07 e ID: 590-19 Matrix Percent Solid	1 DII Fac 1 587-4 :: Solid Is: 94.4
Gasoline Surrogate 4-Bromonivorobenzene (Surr) Client Sample ID: CSV- bate Collected: 01/11/23 09: bate Received: 01/11/23 10:(Method: SW846 8260D - Vo	20 <u>%Recovery</u> 100 SA-6 40 95	Qualifier	5.9 Limits 41.5-162		mg/Kg	°	01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample	Analyzed 01/12/23 05:07 01/12/23 05:07 01/12/23 05:07 01/12/23 05:07 01/12/23 05:07 01/12/23 05:07 01/12/23 05:07	1 Dil Fac 1 587-4 :: Solid s: 94.4
Gasoline Surrogate 4-Bromoniuorobenzene (Surr) Client Sample ID: CSV- bate Collected: 01/11/23 09: bate Received: 01/11/23 10:(Method: SW846 8260D - Vo Analyte	20 %Recovery 100 SA-6 40 95 Natile Organic Result	Qualifier Compoun Qualifier	5.9 <u>Limits</u> <u>41.5-162</u> ds by GC/MS RL	MDL	mg/Kg Unit	° L	01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample Prepared	Analyzed 01/12/23 05:07 01/12/23 05:07 e ID: 590-19 Matrix Percent Solid	1 Dil Fac 1 587-4 :: Solid is: 94.4 Dil Fac
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- vate Collected: 01/11/23 09: vate Received: 01/11/23 10:0 Method: SW846 8260D - Vo Analyte Benzene	20 %Recovery 100 SA-6 40 05 Natile Organic Result ND	Qualifier Compoun Qualifier	5.9 <u>Limits</u> <u>41.5 - 162</u> ds by GC/MS <u>RL</u> 0.021	MDL	mg/Kg Unit mg/Kg	0 L	01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample Prepared 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 E ID: 590-19 Matrix Percent Solid Analyzed 01/12/23 05:28	1 DII Fac 1 587-4 :: Solid s: 94.4 DII Fac 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- late Collected: 01/11/23 09: late Received: 01/11/23 10:0 Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene	20 <u>%Recovery</u> 100 SA-6 40 05 No No ND ND	Qualifier Compoun Qualifier	5.9 <u>Limits</u> <u>41.5 - 162</u> ds by GC/MS <u>RL</u> 0.021 0.11	MDL	Unit mg/Kg mg/Kg		01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample Prepared 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 Percent Solid Analyzed 01/12/23 05:28 01/12/23 05:28	1 DII Fac 1 587-4 :: Solid is: 94.4 DII Fac 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- late Collected: 01/11/23 09: late Received: 01/11/23 10:0 Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene	20 %Recovery 100 SA-6 40 05 Matile Organic Result ND ND	Qualifier Compoun Qualifier	5.9 <u>Limits</u> 41.5 - 162 ds by GC/MS <u>RL</u> 0.021 0.11 0.43	MDL	Unit mg/Kg mg/Kg mg/Kg	0 - D 0 0	01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample Prepared 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 Percent Solid Analyzed 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28	1 <u>Dil Fac</u> 1 1 1 1 1 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- vate Collected: 01/11/23 09: vate Received: 01/11/23 10:0 Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene	20 %Recovery 100 SA-6 40 05 Matile Organic Result ND ND ND	Qualifier Compoun Qualifier	5.9 <u>Limits</u> <u>41.5 - 162</u> ds by GC/MS <u>RL</u> 0.021 0.11 0.43 0.21	MDL	unit mg/Kg mg/Kg mg/Kg mg/Kg	0 - D 0 0 0	01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample Prepared 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 e ID: 590-19 Matrix Percent Solid 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28	1 <u>DII Fac</u> 1 1587-4 :: Solid is: 94.4 <u>DII Fac</u> 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- tate Collected: 01/11/23 09: tate Received: 01/11/23 10:1 Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene	20 %Recovery 105 SA-6 40 05 Natile Organic Result ND ND ND ND	Qualifier Compoun Qualifier	5.9 <u>Limits</u> <u>41.5-162</u> ds by GC/MS <u>RL</u> 0.021 0.43 0.21 0.11	MDL	mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0 0 0 0 0	Prepared 01/11/23 15:16 ab Sample 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 E ID: 590-19 Matrix Percent Solid 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28	1 <u>DII Fac</u> 7 587-4 :: Solid s: 94.4 <u>DII Fac</u> 1 1 1
Gasoline Surrogare 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- bate Collected: 01/11/23 09: bate Received: 01/11/23 10:1 Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total	20 %Recovery 105 SA-6 40 05 Matile Organic Result ND ND ND ND	Qualifier Compoun Qualifier	5.9 <u>Limits</u> 41.5 - 162 ds by GC/MS <u>RL</u> 0.021 0.11 0.43 0.21 0.11 0.64	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0 0 0 0 0 0	Prepared 01/11/23 15:16 ab Sample 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 E ID: 590-19 Matrix Percent Solid 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28	1 <u>DII Fac</u> 7 587-4 :: Solid is: 94.4 <u>DII Fac</u> 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- Date Collected: 01/11/23 09: Date Received: 01/11/23 10: Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total	20 <u>%Recovery</u> 106 SA-6 40 05 Matile Organic Result ND ND ND ND ND	Qualifier Compoun Qualifier	5.9 <u>Limits</u> <u>41.5-102</u> ds by GC/MS <u>RL</u> 0.021 0.11 0.43 0.21 0.11 0.64	MDL	mg/Kg Mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 01/11/23 15:16 ab Sample Prepared 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 Percent Solid 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28	DII Fac 7 5587-4 1587-4 1587-4 1587-4 1 1587-4 1 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- ate Collected: 01/11/23 09: ate Received: 01/11/23 10: Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total Surrogate	20 %Recovery 100 SA-6 40 05 Natile Organic Result ND ND ND ND ND ND	Qualifier Compoun Qualifier Qualifier	5.9 Limits 41.5-102 ds by GC/MS RL 0.021 0.11 0.43 0.21 0.11 0.54 Limits 75.602	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		Prepared 01/11/23 15:16 ab Sample Prepared 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 Percent Solid Analyzed 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 Analyzed Analyzed	1 <u>DII Fac</u> 7 587-4 :: Solid is: 94.4 <u>DII Fac</u> 1 1 1 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- late Collected: 01/11/23 09: late Received: 01/11/23 10:(Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr)	20 <u>%Recovery</u> 100 SA-6 40 05 Natile Organic Result ND ND ND ND ND ND ND ND ND ND	Qualifier Compoun Qualifier Qualifier	5.9 Limits 41.5-102 ds by GC/MS RL 0.021 0.11 0.43 0.21 0.11 0.64 Limits 75-120 75-120	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample Prepared 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 Percent Solid Analyzed 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28	1 <u>DII Fac</u> 1 587-4 :: Solid is: 94.4 <u>DII Fac</u> 1 1 1 1 1 1 1 1 1 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- bate Collected: 01/11/23 09: bate Received: 01/11/23 10:(Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr)	20 <u>%Recovery</u> 100 SA-6 40 05 Matile Organic Result ND ND ND ND ND ND ND ND ND ND	Qualifier Compoun Qualifier Qualifier	5.9 Limits 41.5-162 ds by GC/MS RL 0.021 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.54 Limits 75-129 76-122 PD 765	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample Prepared 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 Percent Solid Analyzed 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28	1 <u>DII Fac</u> 1 587-4 :: Solid is: 94.4 <u>DII Fac</u> 1 1 1 1 1 1 1 1 1 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- bate Collected: 01/11/23 09: bate Received: 01/11/23 10:(Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluorobenzene (Surr)	20 %Recovery 100 SA-6 40 05 Matile Organic Result ND ND ND ND ND ND ND ND ND ND	Qualitier Compoun Qualitier	5.9 Limits 41.5-162 ds by GC/MS RL 0.021 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.64 Limits 75-120 76-122 80-120	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample Prepared 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 Percent Solid Analyzed 01/12/23 05:28 01/12/23 05:28 0	<u>DII Fac</u> 1 1 1 1 1 1 1 1 1 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- bate Collected: 01/11/23 09: bate Received: 01/11/23 10:(Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluen-d8 (Surr)	20 %Recovery 100 SA-6 40 15 Natile Organic Result ND ND ND ND ND ND ND ND 108 108 105 100	Qualifier Compoun Qualifier	5.9 Limits 41.5-102 ds by GC/MS RL 0.021 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.54 Limits 75-129 76-122 80-120 80-120	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 ElD: 590-19 Matrix Percent Solid 01/12/23 05:28	1 <u>DII Fac</u> 1 587-4 :: Solid is: 94.4 <u>DII Fac</u> 1 1 1 1 1 1 1 1 1 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- Date Collected: 01/11/23 09: Date Received: 01/11/23 10:(Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - North	20 %Recovery 100 SA-6 40 35 Natile Organic Result ND ND ND ND ND ND ND ND ND ND	Qualifier Compoun Qualifier Qualifier	5.9 Limits 41.5-102 ds by GC/MS RL 0.021 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.54 Limits 75-129 76-122 80-120 80-120 m Products (0	MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 E ID: 590-19 Matrix Percent Solid 01/12/23 05:28	1 <u>DII Fac</u> 1 587-4 :: Solid is: 94.4 <u>DII Fac</u> 1 1 1 1 1 1 1 1 1 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- Date Collected: 01/11/23 09: Date Received: 01/11/23 10:(Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - North Analyte	20 %Recovery 100 SA-6 40 05 Natile Organic Result ND ND ND ND ND ND ND ND ND ND	Qualifier Compoun Qualifier Qualifier	5.9 Limits 41.5-102 ds by GC/MS RL 0.021 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.43 0.21 0.11 0.54 Limits 75-120 76-122 80-120 80-120 RL 0.54 Limits 75-120 76-122 80-120 80-10	MDL GC/MS)	mg/Kg Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Mg/Kg		01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample 01/11/23 15:16 01/11/23	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 a ID: 590-19 Matrix Percent Solid 01/12/23 05:28 01/12/23 05:28 01/12	1 DII Fac 1 587-4 :: Solid is: 94.4 DII Fac 1 1 1 1 1 1 1 1 1 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- Date Collected: 01/11/23 09: Date Received: 01/11/23 10:(Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - North Analyte Gasoline	20 %Recovery 106 SA-6 40 05 Matile Organic Result ND ND ND ND ND ND ND ND ND ND	Qualifier Compoun Qualifier Qualifier Qualifier Qualifier	5.9 Limits 41.5-102 ds by GC/MS RL 0.021 0.11 0.43 0.21 0.11 0.54 Limits 75-129 76-122 80-120 80-120 80-120 m Products ((RL 5.4	MDL GC/MS) MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:10 01/11/23 15:10 01/11/23 15:10	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 E ID: 590-19 Matrix Percent Solid 01/12/23 05:28	1 <u>DII Fac</u> 1 587-4 : Solid is: 94.4 <u>DII Fac</u> 1 1 1 1 <u>DII Fac</u> 1 1 1 <u>DII Fac</u> 1 1 1 <u>1</u>
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- Jate Collected: 01/11/23 09: Jate Received: 01/11/23 10: Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Toluene-d8 (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - North Analyte Gasoline	20 <u>%Recovery</u> 106 SA-6 40 05 Natile Organic Result ND ND ND ND ND ND ND ND ND ND	Qualifier Compoun Qualifier Qualifier e Petroleu Qualifier	5.9 Limits 41.5-102 ds by GC/MS RL 0.021 0.11 0.43 0.21 0.11 0.43 0.21 0.54 Limits 75-129 76-122 80-120 80-120 m Products ((<u>RL</u> 5.4	MDL GC/MS) MDL	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 Percent Solid Analyzed 01/12/23 05:07 Percent Solid 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28	1 <u>DII Fac</u> 1 587-4 : Solid is: 94.4 <u>DII Fac</u> 1 1 1 1 <u>DII Fac</u> 1 1 1 1 1 1 1 1 1 1 1 1 1
Gasoline Surrogate 4-Bromofluorobenzene (Surr) Client Sample ID: CSV- Jate Collected: 01/11/23 09: Jate Received: 01/11/23 10: Method: SW846 8260D - Vo Analyte Benzene Ethylbenzene m-Xylene & p-Xylene o-Xylene Toluene Xylenes, Total Surrogate 1,2-Dichloroethane-d4 (Surr) Toluene-d8 (Surr) Toluene-d8 (Surr) Method: NWTPH-Gx - North Analyte Gasoline Surrogate	20 %Recovery 100 SA-6 40 05 Natile Organic Result ND ND ND ND ND ND ND ND ND ND	Qualifier Compoun Qualifier Qualifier Qualifier Qualifier	5.9 Limits 41.5-102 ds by GC/MS RL 0.021 0.11 0.43 0.21 0.11 0.54 Limits 75-120 75-120 75-120 75-120 80-120 80-120 80-120 m Products (C RL 5.4 Limits	MDL GC/MS) MDL	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg Mg/Kg		01/11/23 15:16 Prepared 01/11/23 15:16 ab Sample 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 01/11/23 15:16 Prepared 01/11/23 15:16 Prepared	Analyzed 01/12/23 05:07 Analyzed 01/12/23 05:07 Percent Solid Analyzed 01/12/23 05:07 Percent Solid 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 01/12/23 05:28 Analyzed 01/12/23 05:28 Analyzed 01/12/23 05:28	1 DII Fac 1 587-4 Solid is: 94.4 DII Fac 1 1 1 1 1 1 1 1 1 1 1 1 1

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QC Sample Results

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-39778/1-A Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA Analysis Batch: 39780 Prep Batch: 39778 MB MB Analyte **Result Qualifier** RL MDL Unit Prepared Analyzed DII Fac D 01/11/23 15:16 01/12/23 00:08 Benzene ND 0.020 mg/Kg Ethylbenzene 0.10 01/11/23 15:16 01/12/23 00:08 ND mg/Kg 1 m-Xylene & p-Xylene ND 0.40 01/11/23 15:16 01/12/23 00:08 mg/Kg 01/11/23 15:16 01/12/23 00:08 o-Xylene ND 0.20 mg/Kg Toluene ND 0.10 mg/Kg 01/11/23 15:16 01/12/23 00:08 1 01/11/23 15:16 01/12/23 00:08 Xylenes, Total ND 0.60 mg/Kg MB MB

Surroyate	%Recovery	Quanner	Limits	Prepareu	Analyzeu	DIFFac	
1,2-Dichloroethane-d4 (Surr)	100		75-129	01/11/23 15:16	01/12/23 00:08	1	
4-Bromofluorobenzene (Surr)	104		76-122	01/11/23 15:16	01/12/23 00:08	1	
Dibromofluoromethane (Surr)	101		80 - 120	01/11/23 15:16	01/12/23 00:08	1	
Toluene-d8 (Surr)	105		80-120	01/11/23 15:16	01/12/23 00:08	1	

Lab Sample ID: LCS 590-39778/2-A Matrix: Solid Analysis Batch: 39780

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 39778

	Spike	LCS	LCS			%Rec	
Analyte	Added	Result	Qualifier	Unit I	0 %Rec	Limits	
Benzene	0.500	0.498		mg/Kg	100	76 - 139	
Ethylbenzene	0.500	0.547		mg/Kg	109	77 - 135	
m-Xylene & p-Xylene	0.500	0.575		mg/Kg	115	78-130	
o-Xylene	0.500	0.536		mg/Kg	107	77 - 129	
Toluene	0.500	0.549		mg/Kg	110	77 - 131	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75-129
4-Bromofluorobenzene (Surr)	110		76-122
Dibromofluoromethane (Surr)	97		80 - 120
Toluene-d8 (Surr)	107		80 - 120

Lab Sample ID: 590-19587-2 MS

Client Sample ID: CSV-SA-4 Prep Type: Total/NA Prep Batch: 39778 Matrix: Solid Analysis Batch: 39780 Sample Sample Spike MS MS %Rec Result Qualifier %Rec Limits Analyte Result Qualifier Added Unit D Benzene ND 0.621 0.641 mg/Kg ø 103 76-139 Ethylbenzene ND 0.621 0.678 ø 109 77 - 135 mg/Kg m-Xylene & p-Xylene 0.621 0.666 78-130 ND mg/Kg ö 107 o-Xylene ND 0.621 0.622 mg/Kg ¢ 100 77 - 129 Toluene 0.621 0.624 ND 101 77 - 131 mg/Kg ö MS MS Surrogate %Recovery Qualifier Limits 1.2-Dichloroethane-d4 (Surr) 75-129 112 4-Bromofluorobenzene (Surr) 76-122 107 Dibromofluoromethane (Surr) 104 80 - 120 07 Toluene-d8 (Surr) 80-120

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1/12/2023

Job ID: 590-19587-1

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		Q	C Sample	e Resi	ults							1
Client: Able Clean-Up Techn Project/Site: City Service Val	ologies, Inc Icon								Job ID:	590-19	9587-1	2
Method: 8260D - Volat	ile Organio	c Compo	unds by (GC/MS (Contin	ued)						
L ab Cample ID: 500 4059	7.2 Мер					,		Client	Comple I			
Matrix: Solid	/-2 MSD							Client	Pren Tv	D: CSV	tal/NA	
Analysis Batch: 39780									Prep	Batch:	39778	
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	ND		0.621	0.603		mg/Kg	ø	97	76-139	6	14	
Ethylbenzene	ND		0.621	0.665		mg/Kg	ø	107	77 - 135	2	13	_
m-Xylene & p-Xylene	ND		0.621	0.647		mg/Kg	ø	104	78-130	3	23	7
o-Xylene	ND		0.621	0.602		mg/Kg	ø	97	77 - 129	3	15	
Toluene	ND		0.621	0.618		mg/Kg	ø	100	77 - 131	1	14	
	MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits									
1.2-Dichloroethane-d4 (Surr)	112	quantier	75-129									
4-Bromofluorobenzene (Surr)	105		76-122									
Dibromofluoromethane (Surr)	104		80 - 120									
Toluene-d8 (Surr)	102		80 - 120									
Lab Sample ID: 590-1958	7-1 DU							Client	Sample I	D: CSV	/-SA-3	
Matrix: Solid									Prep Ty	pe: To	tal/NA	
Analysis Batch: 39780									Prep I	Batch:	39778	
	Sample	Sample		DU	DU						RPD	
Analyte	Result	Qualifier		Result	Qualifier	Unit	D			RPD	Limit	
Benzene	ND			ND		mg/Kg	ø			NC	25	
Ethylbenzene	ND			ND		mg/Kg	ø			NC	25	
m-Xylene & p-Xylene	ND			ND		mg/Kg	ø			NC	23	
o-Xylene	ND			ND		mg/Kg	ø			NC	25	
Toluene	ND			ND		mg/Kg	ø			NC	25	
Xylenes, Total	ND			ND		mg/Kg	ø			NC	25	
	DU	DU										
Surrogate	%Recovery	Qualifier	Limits									
1,2-Dichloroethane-d4 (Surr)	107		75-129									
4-Bromofluorobenzene (Surr)	101		76-122									
Dibromofluoromethane (Surr)	104		80 - 120									
Toluene-d8 (Surr)	103		80 - 120									
Method: NWTPH-Gx -	Northwest	t - Volatil	e Petroleu	im Proc	lucts (C	GC/MS)						
Lab Sample ID: MB 600.2	9778/4 A						Clie	ant Sam	nie ID: N	lethod	Blank	
Matrix: Solid	STIDIT-A						Circ	an aan	Drep Tv	ne To	tal/NA	
Analysis Batch: 30782									Dren	pe. Iu Batch:	30778	
Analysis Datch, 35702		MB MB							Fiehi	Jaton.	33110	
Analyte	Re	sult Qualifie	ar F	RI I	MDL Unit) P	repared	Analy	zed	DII Fac	
Gasoline		ND GOUND	<u> </u>	5.0	ma/K	<u>a</u>	01/1	1/23 15:10	5 01/12/23	00:08	1	
		MB MB										
Surrogate 4-Bromofluorobenzene (Surr)	%Reco	104 Qualifie	er Limits 41.5 - 10	2			P 01/1	repared 1/23 15:10	Analy 01/12/23	29d 00:08	Dil Fac 1	
- Lab Cample ID: LCC 500	20770/2 4					C 11		male ID	Lab Co	ateral C		
Lab Sample ID: LCS 590-	39118/3-A					Clier	nt Sai	npie ID	: Lab Co	ntrol S	ample	
Matrix: Solid									Prep ly	pe: 10	20779	
Analysis Datch: 39/62			Colko	1.00	1.00				Prep t	batch:	29110	
A polyto			spike	Boorth	Oueller	Unit		W Ree	WINEC			
Gasoline			50.0	1080IT	adanner	mailea		110	74.4 124			
Gaotime			30.0	94.0		inging		110	14.4 - 124			

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QC Sample Results													
Client: Able Clean-Up Techn Project/Site: City Service Val	ologies, Inc Icon							Job ID: 590-19587-1	2				
Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)													
	LCS	LCS											
Surrogate	%Recovery	Qualifier	Limits										
4-Bromofluorobenzene (Surr)	102		41.5 - 162						5				
Lab Sample ID: 590-1958	7-1 DU							Client Sample ID: CSV-SA-3	_				
Matrix: Solid								Prep Type: Total/NA					
Analysis Batch: 39782								Prep Batch: 39778	-				
-	Sample	Sample		DU	DU			RPD	7				
Analyte	Result	Qualifier		Result	Qualifier	Unit	D	RPD_LImit					
Gasoline	ND			ND		mg/Kg	¢	NC 32.3					
	DU	DU											
Surrogate	%Recovery	Qualifier	Limits										
4-Bromofluorobenzene (Surr)	101		41.5 - 102										

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Lab Chronicle

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon

Client Sample ID: CSV-SA-3

Date Collected: 01/06/23 12:10 Date Received: 01/11/23 10:05

Prep Type Total/NA	Batch Type Analysis	Batch Method Moisture	Run	DII Factor 1	Initiai Amount	Final Amount	Batch Number 39783	Prepared or Analyzed 01/12/23 10:26	Analyst JSP	Lab EET SPK
Client Sample	D: CS	/-SA-3					L	ab Sample	ID: 590	-19587-1

Client Sample ID: CSV-SA-3 Date Collected: 01/06/23 12:10 Date Received: 01/11/23 10:05

Ргер Туре	Batch Type	Batch Method	Run	DII Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab		
Total/NA	Prep	5035			10.634 g	10 mL	39778	01/11/23 15:16	JSP	EET SPK		
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	39780	01/12/23 02:59	JSP	EET SPK		
Total/NA	Prep	5035			10.634 g	10 mL	39778	01/11/23 15:16	JSP	EET SPK		
Total/NA	Analysis	NWTPH-GX		1	0.86 mL	43 mL	39782	01/12/23 02:59	JSP	EET SPK		
Client Sam	Lient Sample ID: CSV-SA-4 Lab Sample ID: 590-19587-2											

Lab Sample ID: 590-19587-2 Matrix: Solid

Job ID: 590-19587-1

Matrix: Solid

Matrix: Solid

8

Percent Solids: 92.6

Lab Sample ID: 590-19587-1

Date Collected: 01/06/23 12:17 Date Received: 01/11/23 10:05

Prep Type Total/NA	Batch Type Analysis	Batch Method Molsture	Run	DII Factor 1	Initiai Amount	Final Amount	Batch Number 39783	Prepared or Analyzed 01/12/23 10:26	Analyst JSP	Lab EET SPK
Client Samp	le ID: CSV	-SA-4					L	ab Sample	ID: 590	-19587-2
Date Collected	I: 01/06/23 12	2:17							Ma	trix: Solid
Date Received	: 01/11/23 10):05						P	ercent S	olids: 91.8
_										

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.44 g	10 mL	39778	01/11/23 15:16	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	39780	01/12/23 04:03	JSP	EET SPK
Total/NA	Prep	5035			9.44 g	10 mL	39778	01/11/23 15:16	JSP	EET SPK
Total/NA	Analysis	NWTPH-GX		1	0.86 mL	43 mL	39782	01/12/23 04:03	JSP	EET SPK

Client Sample ID: CSV-SA-5 Date Collected: 01/10/23 09:50 Date Received: 01/11/23 10:05

Client Sample ID: CSV-SA-5

Date Collected: 01/10/23 09:50

Date Received: 01/11/23 10:05

ſ	-	Batch	Batch		DII	Initial	Final	Batch	Prepared		
I	Ргер Туре	туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
l	Total/NA	Analysis	Moisture		1			39783	01/12/23 10:26	JSP	EET SPK

Lab Sample ID: 590-19587-3 Matrix: Solid

Lab Sample ID: 590-19587-3

Percent Solids: 92.6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	DII Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	39780	01/12/23 05:07	JSP	EET SPK
Total/NA Total/NA	Prep Analysis	5035 NWTPH-GX		1	9.872 g 0.86 mL	10 mL 43 mL	39778 39782	01/11/23 15:16 01/12/23 05:07	JSP JSP	EET SPK EET SPK

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Lab Chronicle

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon

Client Sample ID: CSV-SA-6 Date Collected: 01/11/23 09:40 Job ID: 590-19587-1

Lab Sample ID: 590-19587-4 Matrix: Solid

Date Receive	d: 01/11/23 1	0:05									
_	Batch	Batch		DII	Initial	Final	Batch	Prepared			
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	5
Total/NA	Analysis	Moisture		1			39783	01/12/23 10:26	JSP	EET SPK	
Client Sam	ple ID: CS	/-SA-6					L	ab Sample	ID: 590	-19587-4	
Date Collecte	d: 01/11/23 0	9:40							Ma	atrix: Solid	
Date Receive	d: 01/11/23 1	0:05						P	ercent S	olids: 94.4	
-	Batch	Batch		DII	Initial	Final	Batch	Prepared			8
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Prep	5035			10.451 g	10 mL	39778	01/11/23 15:16	JSP	EET SPK	
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	39780	01/12/23 05:28	JSP	EET SPK	
Total/NA	Prep	5035			10.451 g	10 mL	39778	01/11/23 15:16	JSP	EET SPK	
Total/NA	Analysis	NWTPH-GX		1	0.86 mL	43 mL	39782	01/12/23 05:28	JSP	EET SPK	

Laboratory References:

EET SPK - Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane

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Accreditation/Certification Summary

 Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon
 Job ID: 590-19587-1

 Laboratory: Eurofins Spokane All accreditations/certifications are applicable to this report.
 3

 <u>Authority</u>
 Program
 Identification Number
 Expiration Date

 Alaska (UST)
 State
 17-025
 01-08-24

 Oregon
 NELAP
 4137
 12-07-23
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Eurofins Spokane

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Method Summary

	Method Summary	y			
Client: Able Clean-Up Technologies, Inc Job ID: 5 Project/Site: City Service Valcon					
Method	Method Description	Protocol	Laboratory		
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK		
NWTPH-GX	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK		
Moisture	Percent Moisture	EPA	EET SPK		
5035	Closed System Purge and Trap	SW846	EET SPK	· ·	
Protocol Re	ferences:				
EPA = US NWTPH	S Environmental Protection Agency Northwest Total Petroleum Hydrocarbon				
SW846 -	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third	Edition, November 1986 And Its Update	26.		
Laboratory	References:				
EET SPK	 Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924- 	9200		9	
				10	

Eurofins Spokane

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Eurofins TestAmerica Spokane Chain of Custody Record 🗧 eurofins 11922 E 1st Avenue Spokane: WA 99206-5302 phone 509 924 9200 fax 509 924 9290 Regulatory Program Over Neces Occu. Other TestAmerica Laboratories, Inc. d/bia Eurofins TestAmerica COC No ___1___ of ___1_ Project Meneger: Heyley Dallman COCs **Client Contact** Site Contact-Hayley Dallman Date 11/16/2022 4 is yley@olist-cleantup.com Able Clean-Up Technologies, Inc Fel/Fax 509-466-5255 Lab Contact. Carrier TALS Project #. 5 5308 N Myrtle St Analysis Turnaround Time NMLDAVS UNKERNE DAVS Sampler: Hayloy Dalima For Lab Use Only Spokane, WA 99217 Phone (509)-466-5255 CALENDAR DAYS W TAT if different Fors Delaw Filtered Sangle (Y / N) Perform MS / MSD (Y / N) NWIPH-Gx BTEX Walk-in Client. FAX (509) 487-9810 2 meets Lab Sampling Project Name City Service Valcon I week 18709 Appleway Greenacres WA P O #23004 2 flags Job / SDG No. 1 fer Sample D Sample Timo Type |G-Comp, G-Gob| Con. Sample Sample Identification Date Matrix Sample Specific Notes CEV SA 3 116.22 1210 6 XX J 1/6/22 12/7 SA-> 3 χ SV Ĺ × SA SA 1/10/22 9 50 11 C.5V 5 3 1/11/22 9 40 1 DAY RISH ĺQ. SV CSV SA 6 only Preservation Used 1= loe, 2= HCI, 3= H28O4, 4=HNO3, 6=NaOH 6= Other _____ Possible Hazard Identification Are any samples from a lated EPA Hazardove Waste? Place Liet any EPA Waste Codes for the sample Comments Section if the tab is to dispose of the sample Instructions/QC Requirements & Comments Sample Disposal (A fee may be assessed if sam; 590-19587 Chain of Custody Return to Client □ discosit by lab Archive for Horth Cooler Temp (°C) Obs'd 4.8 Con'd 5 (Therm ID No . LOS Q Custody Seal No Company ACT Received by Date/Time 1] #22_70.05 Date/Time Date/Time: Received by: Date/Time lampany Company Calle/Time 01 11 123 1605 Ferm No. CA-C-W/602, Nev 4.36, dited 10(5/2020 1/12/2023 Date/Time Relinquished by Company EE toso

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Login Sample Receipt Checklist

Client: Able Clean-Up Technologies, Inc

Login Number: 19587

List Number: 1 Creator: Fettig, Riley Job Number: 590-19587-1

5

List Source: Eurofins Spokane
Answer Comment
N/A

Question	Answer
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td>	N/A
The cooler's custody seal, if present, is intact.	N/A
Sample custody seals, if present, are intact.	N/A
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	True
Cooler Temperature is acceptable.	True
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
Is the Field Sampler's name present on COC?	True
There are no discrepancies between the containers received and the COC.	True
Samples are received within Holding Time (excluding tests with immediate HTs)	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
Sample Preservation Verified.	N/A
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
Containers requiring zero headspace have no headspace or bubble is <8mm (1/4").	True
Multiphasic samples are not present.	True
Samples do not require splitting or compositing.	True
Residual Chlorine Checked.	N/A

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Environment Testing

I

ANALYTICAL REPORT

PREPARED FOR

Attn: Kipp E Silver Able Clean-Up Technologies, Inc 5308 N Myrtle St. PO BOX 6185 Spokane, Washington 99217 Generated 1/12/2023 4:21:37 PM

JOB DESCRIPTION

City Service Valcon

JOB NUMBER

590-19598-1

Eurofins Spokane 11922 East 1st Ave Spokane WA 99206

See page two for job notes and contact information.

Page 1 of 14



Eurofins Spokane

Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization

Cardue Arrington

Generated 1/12/2023 4:21:37 PM 1

5

Authorized for release by Randee Arrington, Business Unit Manager <u>Randee Arrington@et.eurofinsus.com</u> (509)924-9200

Eurofins Spokane is a laboratory within Eurofins Environment Testing Northwest, LLC, a company within Eurofins Environment Testing Group of Companies Page 2 of 14 1/12/2023

Laboratory Job ID: 590-19598-1

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QC Sample Results 8	3
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Certification Summary 1	1
Method Summary 1	2
Chain of Custody 1	3
Receipt Checklists 1	4

Eurofins Spokane 1/12/2023

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Case Narrative		1
Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon	Job ID: 590-19598-1	2
Job ID: 590-19598-1		3
Laboratory: Eurofins Spokane		4
Narrative		5
Receipt The sample was received on 1/11/2023 3:25 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.4° C.		6
GC/MS VOA		
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.		
General Chemistry No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.		9
VOA Prep		
Two analyucal or quality issues were noted, other than mose described in the Definitions/Glossary page.		

Eurofins Spokane 1/12/2023

Client: Able Cl Project/Site: C	Job ID: 590-19598-1				
Lab Sample ID	Client Sample ID	Matrix	Collected Received		
590-19598-1	CSV-SA-7	Solid	01/11/23 14:45 01/11/23 15:25		4
					Ę

Eurofins Spokane 1/12/2023

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Definitions/Glossary

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon

Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
•	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	5
CFU	Colony Forming Unit	Э
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
DII Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Eurofins Spokane

Job ID: 590-19598-1

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Client Sample Results

Client: Able Clean-Up Technologies, Inc

Job ID: 590-19598-1

Project/Site: City Service Valcon												
Client Sample ID: CSV-SA-	7						Lab Sam	ple ID: 590-1	9598-1			
Date Collected: 01/11/23 14:45								Matri	ix: Solid			
ate Received: 01/11/23 15:25 Percent Solids: 92.8												
Method: SW846 8260D - Volatil	e Organic Comp	ounds by (GC/MS									
Analyte	Recult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fao			
Benzene	ND		0.022		mg/Kg	0	01/11/23 15:24	01/12/23 05:50	1	_		
Ethylbenzene	ND		0.11		mg/Kg	0	01/11/23 15:24	01/12/23 05:50	1	6		
m-Xylene & p-Xylene	ND		0.45		mg/Kg	0	01/11/23 15:24	01/12/23 05:50	1			
o-Xylene	ND		0.22		mg/Kg	٥	01/11/23 15:24	01/12/23 05:50	1			
Toluene	ND		0.11		mg/Kg	0	01/11/23 15:24	01/12/23 05:50	1			
Xylenes, Total	ND		0.67		mg/Kg	٥	01/11/23 15:24	01/12/23 05:50	1			
Surrogate	%Recovery	Qualifier	Limite				Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	111		75 - 129				01/11/23 15:24	01/12/23 05:50	1			
4-Bromofluorobenzene (Surr)	108		70 - 122				01/11/23 15:24	01/12/23 05:50	1			
Dibromofluoromethane (Surr)	101		80_120				01/11/23 15:24	01/12/23 05:50	1			
Toluene-d8 (Surr)	90		80 - 120				01/11/23 15:24	01/12/23 05:50	1			
Method: NWTPH-Gx - Northwe	st - Volatile Petro	oleum Prod	lucts (GC/MS)									
Analyte	Recult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fao			
Gasoline	ND		5.6		mg/Kg	٥	01/11/23 15:24	01/12/23 05:50	1			
Surrogate	%Recovery	Qualifier	Limite				Propered	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	108		41.5 - 102				01/11/23 15:24	01/12/23 05:50	1			

Eurofins Spokane

QC Sample Results

Job ID: 590-19598-1

Project/Site: City Service Valcon Method: 8260D Volatile Organic Compounds b

Client: Able Clean-Up Technologies, Inc

Lab Sample ID: MB 590-39778/1-A										Client Sa	mple ID: Metho	d Blank
Aatrix: Solid											Prep Type: 1	Total/NA
Analysis Batch: 39780											Prep Batch	h: 39778
-		MB	MB									
Analyte	R	ecult	Qualifier	RL		MDL	Unit		D	Prepared	Analyzed	DII Fao
Benzene		ND		0.020			mg/Kg	1	-	01/11/23 15:16	01/12/23 00:08	1
thylbenzene		ND		0.10			mg/Kg	1		01/11/23 15:16	01/12/23 00:08	1
n-Xylene & p-Xylene		ND		0.40			mg/Kg	1		01/11/23 15:16	01/12/23 00:08	1
+Xylene		ND		0.20			mg/Kg	,		01/11/23 15:16	01/12/23 00:08	1
oluene		ND		0.10			mg/Kg			01/11/23 15:16	01/12/23 00:08	1
(ylenes, Total		ND		0.60			mg/Kg			01/11/23 15:16	01/12/23 00:08	1
		MB	MB									
urrogate	%Reco	very	Qualifier	Limite						Prepared	Analyzed	Dil Fac
,2-Dichloroethane-d4 (Surr)		105		75 - 129						01/11/23 15:10	01/12/23 00:08	1
-Bromofluorobenzene (Surr)		104		70 - 122						01/11/23 15:16	01/12/23 00:08	1
Nbromofluoromethane (Sum)		101		80 - 120						01/11/23 15:16	01/12/23 00:08	1
Toluene-dB (Surr)		105		80 - 120						01/11/23 15:16	01/12/23 00:08	1
Lab Sample ID: LCS 590-39778/2-/	A								C	lient Sample	D: Lab Control	Sample
Matrix: Solid											Prep Type: 1	Total/NA
Analysis Batch: 39780											Prep Batch	h: 39778
				Spike	LCS	LCS					%Reo	
nalyte				Added	Recut	Qual	lifler	Unit		D %Reo	Limite	
Benzene				0.500	0.498			mg/Kg		100	76 - 139	
Ethylbenzene				0.500	0.547			mg/Kg		109	77 - 135	
n-Xylene & p-Xylene				0.500	0.575			mg/Kg		115	78 - 130	
-Xylene				0.500	0.536			mg/Kg		107	77 - 129	
Toluene				0.500	0.549			mg/Kg		110	77 - 131	
	LCS	LCS										
Surrogate 5	Recovery	Qual	lifior	Limits								
,2-Dichloroethane-d4 (Surr)	103			75 - 129								
l-Bromofluorobenzene (Surr)	110			76 - 122								
Nbromofluoromethane (Surr)	97			80 - 120								
Toluene-dB (Surr)	107			80 - 120								

Lab Sample ID: MB 590-39778/1-A Matrix: Solid Analysis Batch: 39782									Client S	ample ID: Me Prep Typ Prep Ba	thod Blank e: Total/NA atch: 39778
	MB	MB									
Analyte	Recult	Qualifier	RL		MDL Unit	t	D	Pr	repared	Analyzed	DII Fao
Gasoline	ND		5.0		mg/	Kg		01/11	1/23 15:16	01/12/23 00:0	18 1
	MB	MB									
Surrogate	%Recovery	Qualifier	Limits					PI	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		41.5 - 102					01/1	1/23 15:10	01/12/23 00:	08 1
Lab Sample ID: LCS 590-39778/3-A Matrix: Solid Analysis Batch: 39782							СІ	ient	Sample	ID: Lab Cont Prep Typ Prep B:	rol Sample e: Total/NA atch: 39778
			Solke	LCS	LCS					%Reo	
Analyte Gasoline			Added 50.0	Result 54.8	Qualifier	Unit mg/Kg		₽.	%Reo 110	Limits 74.4 - 124	

Eurofins Spokane

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		Q	C Sample Results		
Client: Able Clean-Up Technol Project/Site: City Service Valc	logies, Inc on			Job ID: 590-19598-1	2
Method: NWTPH-Gx - No	orthwest - Vo	latile Petro	bleum Products (GC/MS) (Continue	d)	
Surrogate	LCS %Recovery	LCS Qualifier	Limits		
4-Bromofluorobenzene (Surr)	102		41.5 - 102		5
					6
					7
					8
					9

Eurofins Spokane

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Lab Chronicle

Job ID: 590-19598-1

Project/Site: City Service Valcon Client Sample ID: CSV-SA-7 Date Collected: 01/11/23 14:45

Client: Able Clean-Up Technologies, Inc

Lab Sample ID: 590-19598-1

Date Received: 01/11/23 15:25

Matrix: Solid

	Batoh	Batoh		DII	Initial	Final	Batoh	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Molsture		1			39783	01/12/23 10:26	JSP	EET SPK
lient Samp	le ID: CSV-S	A-7						Lab Samp	ole ID: 59	90-19598-1
ate Collected	: 01/11/23 14:4	5								Matrix: Solid
ate Received:	01/11/23 15:25	5							Percent	Solids: 92.8
	Batoh	Batoh		DII	Initial	Final	Batoh	Prepared		
Prep Type	Туре	Method	Run	Faotor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.304 g	10 mL	39778	01/11/23 15:24	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	39780	01/12/23 05:50	JSP	EET SPK
Total/NA	Prep	5035			10.304 g	10 mL	39778	01/11/23 15:24	JSP	EET SPK
Total/NA	Analysis	NWTPH-GX		1	0.86 mL	43 mL	39782	01/12/23 05:50	JSP	EET SPK
Laboratory Refer	ences:									

Eurofins Spokane

Page 10 of 14

	Accreditation/	Certification Summary			1
Client: Able Clean-Up Techn Project/Site: City Service Va	Job ID: 590-19598-1	2			
Laboratory: Eurofins §	bokane	ons/certifications are applicable to this report			
Authority	Program	Identification Number	Expiration Date		
Alaska (UST)	State	17-025	01-08-24	_	
Oregon	NELAP	4137	12-07-23		0
					8
					9

Eurofins Spokane

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Method Summary

Job ID: 590-19598-1

Client: Able C	lean-Up Technologies, Inc		Job ID: 590-19598-1	
Project/Site: 0	City Service Valcon			
		- 4 - 5		
Method	Method Description	Protocol	Laboratory	
8260D	volatile organic compounds by GC/MS	577646	EET SPK	
NWTPH-GX	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK	_
Moisture	Percent Moisture	EPA	EET SPK	
5035	Closed System Purge and Trap	SW846	EET SPK	
Protocol Ref	erences:			
EPA = US	S Environmental Protection Agency			
NWTPH-	Northwest Total Petroleum Hydrocarbon			
SW846 -	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, Novem	ber 1986 And Its Updates.		8
Laboratory B	afarangas			
EET SPK	- Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200			9
				10

Eurofins Spokane

Page 12 of 14

Chain of Custody Record 560475 🔅 eurofins

Address									_					÷	· ·				Environmen TestAmerica	t Testing
		D			_		_		_										1 1 1 1 1 1 1 1 1 1 1 1	
	кеди	latory Pro	ogram [_DW	NPCES		ROR	44	Othe	5						1.2	-7		1000 No.	TAL-8210
Client Contact	Project M	anager p	proper-	All	ANN	Site	Con	tact	椒	ieg <u>i</u>	Klin	БЮ	Date		Ψ	112	66	-	COC NO	
Company Name Aple (18av UP	Tel/Email	MAYI	24 Wa	Pile Cite	n f ia/	Lab	Con	eact:		_		-1	Carrie	8F	÷				E or UUUS	
Address JOB N MYSTR JE	0	Analysis I	umaround	a rime		11						11							Sample For Lab Use Oak	
Citystate Sporten 2 WA 99647		DAR DAYS	[_] W0	881)#3 U/I	ra	11	-												Walk in Client	
Phone: 5171-191210 51 2	i^	I PORSHERC	NAM BURNY			1.1	좀 X	11				11							Lab Samoling	
Prinert Barrier () A 2017 HOLV	H H		2. meters			리	2/2	2		11	1	11				1	11			
Ster 18 200 hand sugar 13. 884 acres	H		2 days			2	8	$ \langle \rangle$					1						Job / SDG No.	
PO# 7200 4	i iz		1 day			121	리 강	4									11			
		T	Sample	1		1318	2 E	10												
	Comple		Type			핑	퇴금	in the												
Romale Mentiliestice	Data	Time	(D=Gorag, GerConto)	Matrix	# at	2	<u>۶</u> ج	1											Sample Specific Mode	
sample identification	Dave	1110	4-54160/	Matrix	Curr.	÷	<u>-</u>	+++	-+		-			-	-+	-	┿	-	Calibre Operation incom	
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						11								_		- 18	IN OUT		ale of Custody	
				1		11				11				1	Ι.	59	0-195	98 01	ain of Cualouy	-
Preservation Used: 1= Ice. 2= HCI: 3= H2SO4: 4=HNO3:	SeNeOH:	S= Other				-+	+-	1 1	-	++	+			+	+	+	++	+		
Possible Hazard Identification	e di tata di ta						Samp	le Di	spoan	I(Afr	ee ma	y be	85965	back	Faon	ples	are re	etaine	d longer than 1 month)	
Are any samples from a listed EPA Hazardous Waste? Plear	se List any l	EPA Waste	e Codes for	the same	ple in th	-										-				
Comments Section if the lab is to dispose of the sample.						_										_				
Non-Histord Remmable Skin Dritant	Pokupr	n B	🗌 Unika	KWT				Return	to Cier	et 🛛			iposal b	y Lab		L	Arthiv	re for_	Plonths	
Special Instructions/QC Requirements & Comments	and the second se																			
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1/12/2023

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Login Sample Receipt Checklist

Client: Able Clean-Up Technologies, Inc

Job Number: 590-19598-1

5

Login Number: 19598 List Number: 1 Creator: Fettig, Riley			List Source: Eurofins Spokane
Question	Answer	Comment	
Radioactivity wasn't checked or is = background as measured by a survey<br meter.	N/A		
The cooler's custody seal, if present, is intact.	N/A		
Sample custody seals, if present, are intact.	N/A		
The cooler or samples do not appear to have been compromised or tampered with.	True		
Samples were received on ice.	True		
Cooler Temperature is acceptable.	True		
Cooler Temperature is recorded.	True		
COC is present.	True		
COC is filled out in ink and legible.	True		
COC is filled out with all pertinent information.	True		
Is the Field Sampler's name present on COC?	True		
There are no discrepancies between the containers received and the COC.	True		
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	N/A		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <8mm (1/4*).	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

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Environment Testing

I

ANALYTICAL REPORT

1

PREPARED FOR

Attn: Kipp E Silver Able Clean-Up Technologies, Inc 5308 N Myrtle St. PO BOX 6185 Spokane, Washington 99217 Generated 1/18/2023 5:19:22 PM

JOB DESCRIPTION

City Service Valcon

JOB NUMBER

590-19612-1

Eurofins Spokane 11922 East 1st Ave Spokane WA 99206

See page two for job notes and contact information.

Page 1 of 14

Eurofins Spokane

Job Notes

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender and destroy this report immediately. This report shall not be reproduced except in full, without prior express written approval by the laboratory.

The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization

Cardie Arington Generated 1/18/2023 5:19:22 PM

1

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Authorized for release by Randee Arrington, Business Unit Manager Randee Arrington@et.eurofinsus.com (509)924-9200

Eurofins Spokane is a laboratory within Eurofins Environment Testing Northwest, LLC, a company within Eurofins Environment Testing Group of Companies Page 2 of 14 1/18/2023 Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon Laboratory Job ID: 590-19612-1

2

Table of Contents

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Case Narrative	4
Sample Summary	5
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Client Sample Results	7
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Certification Summary	1
Method Summary	1
Chain of Custody	1
Receipt Checklists	1

Eurofins Spokane 1/18/2023

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Case Narrative

Job ID: 590-19612-1

Client: Able Clean-Up Technologies, Inc	Job ID: 590-19612-1	
Project/Site: City Service Valcon		
Job ID: 590-19612-1		3
Laboratory: Eurofins Spokane		4
Narrative		5
Receipt		_
The sample was received on 1/13/2023 9:35 AM. Unless otherwise noted below, the sample arrived in good cond required, properly preserved and on ice. The temperature of the cooler at receipt was 7.9° C.	lition, and where	
Receipt Exceptions The following sample was received at the laboratory outside the required temperature criteria: CSV-SA-8 (590-19)	812-1). The sample is	8
considered acceptable since it was collected and submitted to the laboratory on the same day and there is eviden process has begun.	ce that the chilling	~
COMP VOA		Э
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.		
General Chemistry		
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.		
VOA Pren		

VOA Prep No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Sample Summary

		Sample Sur	nmary		1
Client: Able Cl Project/Site: C	lean-Up Technologies, Inc Sity Service Valcon			Job ID: 590-19612-1	2
Lab Sample ID	Client Sample ID	Matrix	Collected Received		
590-19612-1	CSV-SA-8	Solid	01/13/23 09:05 01/13/23 09:35		4
					5
					8
					9

Eurofins Spoke023

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Definitions/Glossary

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon

Project/Site: (Clean-Up Technologies, Inc Job ID: 590-19612 City Service Valcon	-1
Glossary		-
Abbreviation	These commonly used abbraviations may or may not be present in this report	- 3
ADDIGHTAUOIT	Listed unintrity used addressing of may not use present in units report.	_
- %.R	Listed under une D Courini to designate una une result la reported on a dry weight basis	
CEL	Contains Free Linuid	
CEU		5
ONE	Contains No Free Linuid	
DER	Dunication for the Explanation (normalized absolute difference)	
DII Fac	Diution Factor	
DL	Detection Limit (DoD/DOE)	
DL RA RE IN	Indicates a Dilution Re-analysis. Re-extraction or additional initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Eurofins Spokane

Job ID: 590-19612-1

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Client Sample Results

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon

Client Sample ID: CSV-SA-8

Date Collected: 01/13/23 09:05

Date Received: 01/13/23 09:35

Job ID: 590-19612-1

Lab Sample ID: 590-19612-1 Matrix: Solid Percent Solids: 93.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Benzene	ND		0.024		mg/Kg	ø	01/17/23 12:01	01/17/23 14:01	1
Ethylbenzene	ND		0.12		mg/Kg	ø	01/17/23 12:01	01/17/23 14:01	1
1-Xylene & p-Xylene	ND		0.48		mg/Kg	¢	01/17/23 12:01	01/17/23 14:01	1
Xylene	ND		0.24		mg/Kg	ø	01/17/23 12:01	01/17/23 14:01	1
oluene	ND		0.12		mg/Kg	¢	01/17/23 12:01	01/17/23 14:01	1
ylenes, Total	ND		0.71		mg/Kg	¢	01/17/23 12:01	01/17/23 14:01	1
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	DII Fac
2-Dichloroethane-d4 (Surr)	96		75-120				01/17/23 12:01	01/17/23 14:01	1
Bromofluorobenzene (Surr)	107		76-122				01/17/23 12:01	01/17/23 14:01	1
bromofluoromethane (Surr)	99		80.120				01/17/23 12:01	01/17/23 14:01	1
oluene-d8 (Surr)	110		80 - 120				01/17/23 12:01	01/17/23 14:01	1
lethod: NWTPH-Gx - Nort	hwest - Volatile	e Petroleu	m Products (GC/MS)					
nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
asoline	ND		5.9		mg/Kg	¢	01/17/23 12:01	01/17/23 14:01	1
urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
(-Bromofluombenzene /Sum)	107		41.5 162				01/17/23 12:01	01/17/23 14:01	1

Eurofins Spokane

1/18/2023

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QC Sample Results

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-39815/1-A Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA Prep Batch: 39815 Analysis Batch: 39810 MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed DII Fac D 01/17/23 12:01 01/17/23 12:54 Benzene ND 0.020 mg/Kg Ethylbenzene ND 0 10 mg/Kg 01/17/23 12:01 01/17/23 12:54 m-Xylene & p-Xylene ND 0.40 mg/Kg 01/17/23 12:01 01/17/23 12:54 01/17/23 12:01 01/17/23 12:54 o-Xylene ND 0.20 mg/Kg Toluene ND 0.10 mg/Kg 01/17/23 12:01 01/17/23 12:54 Xylenes, Total ND 0.60 01/17/23 12:01 01/17/23 12:54 mg/Kg MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed DII Fac 01/17/23 12:01 01/17/23 12:54 1,2-Dichloroethane-d4 (Surr) 75-129 97 1 4-Bromofluorobenzene (Surr) 76-122 01/17/23 12:01 01/17/23 12:54 108 Dibromofluoromethane (Surr)

80-120

80-120

Lab Sample ID: LCS 590-39815/2-A Matrix: Solid

Toluene-d8 (Surr)

Toluene-d8 (Surr)

Client Sample ID: Lab Control Sample Prep Type: Total/NA

01/17/23 12:01 01/17/23 12:54 01/17/23 12:01 01/17/23 12:54

Analysis Datch: 59010									Ртер Б	atcn: 59015
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene			0.500	0.545		mg/Kg		109	76-139	
Ethylbenzene			0.500	0.533		mg/Kg		107	77 - 135	
m-Xylene & p-Xylene			0.500	0.527		mg/Kg		105	78-130	
o-Xylene			0.500	0.485		mg/Kg		97	77 - 129	
Toluene			0.500	0.531		mg/Kg		106	77 - 131	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1,2-Dichloroethane-d4 (Surr)	98		75-129							
4-Bromofluorobenzene (Surr)	110		76-122							
Dibromofluoromethane (Surr)	97		80 - 120							

80-120

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

104

99

107

Lab Sample ID: MB 590-39815/1-A Matrix: Solid Analysis Batch: 39812							Clie	ent Sam	ple ID: Metho Prep Type: Prep Bato	od Blank Total/NA h: 39815
	MB	MB								
Analyte Re	esult	Qualifier	RL		MDL Un	lt D	P	repared	Analyzed	DII Fac
Gasoline	ND		5.0		mg	/Kg	01/1	7/23 12:01	01/17/23 12:54	1
	MB	MB								
Surrogate %Reco	very	Qualifier	Limits				P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		41.5 - 102				01/1	7/23 12:01	01/17/23 12:54	4 1
Lab Sample ID: LCS 590-39815/3-A						Clien	t Sa	mple ID:	Lab Control	Sample
Matrix: Solid									Prep Type:	Total/NA
Analysis Batch: 39812									Prep Batc	h: 39815
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifie	r Unit	D	%Rec	Limits	
Gasoline			50.0	59.3		mg/Kg		119	74.4 - 124	

Eurofins Spokane

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1/18/2023

Job ID: 590-19612-1

		QC Sample Results		
Client: Able Clean-Up Techn Project/Site: City Service Va	iologies, Inc Icon	-	Job ID: 590-19612-1	2
Method: NWTPH-Gx -	Northwest -	Volatile Petroleum Products (GO	C/MS) (Continued)	
Surrogate	LCS LC %Recovery Q	s Sialifier Limits		
4-Bromofluorobenzene (Surr)	108	41.5 - 102		5
				6
				7
				9

Eurofins Spokane

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Lab Chronicle

Client: Able Clean-Up Technologies, Inc Project/Site: City Service Valcon

Client Sample ID: CSV-SA-8

Date Collected: 01/13/23 09:05

Job ID: 590-19612-1

Lab Sample ID: 590-19612-1 Matrix: Solid

Date Receive	d: 01/13/23 0	9:35									
Prep Type Total/NA	Batch Type Analysis	Batch Method Moisture	Run	DII Factor	initiai Amount	Final Amount	Batch Number 39800	Prepared or Analyzed 01/13/23 15:13	Analyst M1V	Lab EET SPK	5
- Client S am	ple ID: CS	/-SA-8					L	ab Sample	ID: 590	-19612-1	
Date Collecte Date Received	d: 01/13/23 0 d: 01/13/23 0	9:05 9:35						Р	Ma ercent S	trix: Solid olids: 93.4	
Prep Type	Batch Type	Batch Method	Run	DII	Initial Amount	Final	Batch Number	Prepared or Analyzed	Analyst	Lab	8
Total/NA	Prep	5035			9.586 g	10 mL	39815	01/17/23 12:01	JSP	EET SPK	
Total/NA Total/NA	Analysis Prep	8260D 5035		1	0.86 mL 9.586 g	43 mL 10 mL	39810 39815	01/17/23 14:01 01/17/23 12:01	JSP JSP	EET SPK EET SPK	
Total/NA	Analysis	NWTPH-GX		1	0.86 mL	43 mL	39812	01/17/23 14:01	JSP	EET SPK	
Laboratory References: EET SPK - Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200											

Eurofins Spokane

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Accreditation/Certification Summary

	Accreditation/C	ertification Summary		1
Client: Able Clean-Up Teo Project/Site: City Service	chnologies, Inc Valcon		Job ID: 590-19612-1	
Laboratory: Eurofin	s Spokane	creditations/certifications are applicable t	o this report	
Authority	Program	Identification Number	Expiration Date	
Alaska (UST) Oregon	State NELAP	17-025 4137	01-08-24 12-07-23	5
				6
				8
				9
				10

Eurofins Spokane

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Method Summary

Client: Able Clean-Up Technologies, Inc

Job ID: 590-19612-1

Method	Method Description	Protocol	Laborator
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
NWTPH-GX	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
Molsture	Percent Molsture	EPA	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK
Protocol Re	iferences:		
EPA = U:	Northwest Tatal Detroleum Hydrocarthon		
CIMPAG -	- Northwest Total Periodeum Hydrodabon "Tast Nethods For Evoluating Colid Waste, Dhusiaal/Chemical Nethods", Th	and Edition, November 1095 and its Lindoi	
SW040 -	Frest Methods For Evaluating Solid Waste, Physical/Chemical Methods , Th	ind Edition, November 1966 And its opdate	cb.
Laboratory	References:		
Laboratory EET SPK	References: <- Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)92	14-9200	
Laboratory EET SPK	References: (= Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)92	24-9200	
Laboratory EET SPK	References: (= Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)92	24-9200	
Laboratory EET SPK	References: (= Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)92	24-9200	

Eurofins Spokane

Page 12 of 14

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Spokane WA 98206-5302 phone 509 024,9200 fax 509,924 9290	Regs	ilatory Pro	aram. (lew f	NPORS	ſ	Teo		Πai	ute-							Alcol	mort	0 8 L	itori	dories, Inc. dibi	a Eurol	ina TeatA	marica	3
	Project Ma	namer Havi	ev Dalima	n						-											COC No:	_			1 4
Client Contact	Email: having	wight rise	up com			Sila	Con	deet	Havle	w Da	lima		То	adar: 1	1/13/	20.23		_	_	_	1 of	1	COCs		1
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FAX (500) 487-9810	1 0 "	2.vie	ska /		\sim	зk	5								11						Lab Sampling				
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P O #23004	ā	1 da		YLV X	" <i>⁄</i> 1	ŧ.	. I.								11			1							1 8
Annula Marilla silas	Sample	Sample	Sample Type (c-comp.			Itered Sa	WTPH-G	тех					ł						l			_			9
Sample Identification	Date	Time	G-Gradu)	Matrix	Cent	<u> </u>	12	0		-	+	-	+	┢		-	+	+	┢	-	Sample	Speci	c Notes.	-	4 -
USV-SA-8	113/22	19:05	6	15	31		X	М									1			L	$r \leq d$	au	RU	sh	h.
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		}				_	_		_			_	_	-		-		-			or classory		_		
Preservation Used 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3	; 5=NaOH, 6	= Other		-		-				1			1	1			1	1	1	1					4
Possible Hazard identification Are any samples from a listed EPA Hazardous Waste? Plex Comments Section if the lab is to dispose of the sample.	ase List any E	PA Waste (Codes for U	he samp	ie in the	s	samp	ile D	ispos	al (A	fee	may	be a	S 505	sed	il sar	mpie	s ar	o rot	ladine	d longer than	1 mon	ih)		
Stan Interest Baremeter Stan Instant	C) Rolson B		Unke	swa				Reb.rt	1 10 Cilo	nt .			Dispe	saltv	lab		Г	Arc	tive f	×	Months				1
Special Instructions/QC Requirements & Comments										_	_	_													1
Custody Seals Intact. Ves INa	Custody Sea	al No.							Coole	r Ten	1p. (*	°C) ()bs'd	1	4	C	orríd.	7	, O	_	Thenn ID No	Re	04		1
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and the second s	company.			Daterin	enale.	1"	veces	veol	<u> </u>						Con	ipany	r				CARP/TIME.				1
Relinquished by	Company			Date/T	ime:	F	É	wer!	2	2	ÿ	ŕ			Ê	野	E.	0			Cate/Timer	930	5		
				Pag	ge 13 (011	4	/	Γ	e	_						Fo	inm I	No, C	CA-0	-W1-002 Rev	4.35, d	adéd 966	2620	ī.

Login Sample Receipt Checklist

Client: Able Clean-Up Technologies, Inc Job Number: 590-19612-1
Login Number: 19612 List Source: Eurofins Spokane
List Number: 1
Creator: Fettig, Riley

Comment

Question	Answer
Radioactivity wasn't checked or is = background as measured by a survey<br meter.	N/A
The cooler's custody seal, if present, is intact.	N/A
Sample custody seals, if present, are intact.	N/A
The cooler or samples do not appear to have been compromised or tampered with.	True
Samples were received on ice.	True
Cooler Temperature is acceptable.	True
Cooler Temperature is recorded.	True
COC is present.	True
COC is filled out in ink and legible.	True
COC is filled out with all pertinent information.	True
Is the Field Sampler's name present on COC?	True
There are no discrepancies between the containers received and the COC.	True
Samples are received within Holding Time (excluding tests with immediate HTs)	True
Sample containers have legible labels.	True
Containers are not broken or leaking.	True
Sample collection date/times are provided.	True
Appropriate sample containers are used.	True
Sample bottles are completely filled.	True
Sample Preservation Verified.	N/A
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True
Containers requiring zero headspace have no headspace or bubble is <8mm (1/4").	True
Multiphasic samples are not present.	True
Samples do not require splitting or compositing.	True
Residual Chlorine Checked.	N/A

Eurofins Spokane

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1/18/2023

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Attachment V. Disposal Receipts

Grah David Facility 1820 - Anam Road Medi weist eineradik en 19022	Ph: (509)244-0	Original Ticket# 6 151	86318	
Customer Name ABLECLEAN ABLE CLEAN Ticket Date 01/11/2023 Payment Type Credit Account Manual Ticket#	-UP Carrier Vehicle# Container Driver	BODES sean		
Route Hauling Ticket# Destination Manifest 107318wa Profile 107318WA (LF02 Gasoline / Generator WA-ABLE CLEANUP TECHNOLO	Check# Billing# Grid Contaminated So GIES ABLE CLEAN	0000726 pils) NUP TECHNOL	OGIES	
PO# 23004				
Time Scale In 01/11/2023 13:36:06 Scale1 Out 01/11/2023 13:46:14 Scale1	Operator zrichard zrichard	Inbound	Gross Tare Net Tons	63760 lb 27140 lb 36620 lb 18.31

Comments

Prod	luct	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 2 3	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F SRHD1-Spokane Regional	100 100 100	18.31	Tons % Tons				SPOKANE SPOKANE SPOKANE

Total Tax/Fees Total Ticket

Driver`s Signature

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The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Grai i Facility 1820 - Inam Road Medi wabri alayadikyeni 9022	Ph:	(509)244-0	Original Ticket# 6 151	86290		
Customer Name ABLECLEAN ABLE Ticket Date 01/11/2023 Payment Type Credit Account Manual Ticket# Route Hauling Ticket# Destination Manifest 107318wa Profile 107318WA (LF02 Gas	CLEAN-UP	Carrier Vehicle# Container Driver Check# Billing# Grid taminated S	BODES sean 0000726 oils)			
Generator WA-ABLE CLEANUP TE PO# 12244	CHNOLOGIE:	S ABLE CLEA	NUP TECHNOL	DGIES		
Time Scal In 01/11/2023 11:50:00 Scal Dut 01/11/2023 12:02:15 Scal	e Ope el zri el zri	erator ichard ichard	Inbound	Gross Tare Net Tons	618 271 346	20 1b 80 1b 40 1b 17.32
Comments						
Product	LD% (2ty UOM	Rate	Tax/Fee	Amount	Origin
Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F SRHD1-Spokane Regional	100 17 100 100 17	7.32 Tons % 7.32 Tons				SPOKANE SPOKANE SPOKANE

Total Tax/Fees Total Ticket

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

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10.000 00 000 000					
Grant And Facility		Original			
Mediwabre awayadwyen9022	Ph: (509)244-0	Ticket# 6	86263		
Customer Name ABIECIEAN ADIE CIER					
Ticket Date 01/11/2023	Vehicle#	sean			
Payment Type Credit Account Manual Ticket#	Container				
Route	Check#				
Hauling Ticket#	Billing#	0000726			
Manifest 107318wa	Grid				
Profile 107318WA (LF02 Gasoline Generator WA-ABLE CLEANUE TECHNOL	Contaminated S	oils)	0.07.0.0		
PO# 23004	JGIES ABLE CLEA	NUP TECHNOL	OGIES		
Time	0				
In 01/11/2023 10:00:36 Scale1	zrichard	Inbound	Gross Tare	27240 1b	
Out 01/11/2023 10:13:44 Scale1	zrichard		Net	26160 lb	
			TONS	13.08	
Comments					
Product ID*	Oty HOM	Data	man /man		
	QCY 00H	Rate	lax/ree	Amount Origin	
Cont Soll Pet-RGC-Tons= 100 EVF-P10-Environmental F 100	13.08 Tons			SPOKANE	
3 SRHD1-Spokane Regional 100	13.08 Tons			SPOKANE	
		Total	Tay/Feee		
		Total	Ticket		
Driver's Signature					

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

	· · · · · · · · · · · · · · · · · · ·				
Gran roott Facility 1820 Sham Road Medi wabriadwagadwagan 9022	Ph: (509)244-0	Original Ticket# 6	86333		
Customer Name ABLECLEAN ABLE CLEA Ticket Date 01/11/2023 Payment Type Credit Account Manual Ticket# Route	N-UP Carrier Vehicle# Container Driver Check#	BODES BRAD			
Hauling Ticket# Destination	Billing# Grid	0000726			
Profile 107318WA (LF02 Gasoline Generator WA-ABLE CLEANUP TECHNOL PO# 23004	Contaminated S OGIES ABLE CLEA	oils) NUP TECHNOL(OGIES		
Time Scale In 01/11/2023 15:07:14 Scale1 Out 01/11/2023 15:21:07 Scale1	Operator zrichard zrichard	Inbound	Gross Tare Net Tons	69780 lb 28700 lb 41080 lb 20.54	
Comments					

rioquet		LD'S	QEY	MOU	Rate	Tax/Fee	Amount	Origin
L Cont S 2 EVF-P1 3 SRHD1-	Soil Pet-RGC-Tons- 0-Environmental F Spokane Regional	100 100 100	20.54	Tons % Tons				SPOKANE SPOKANE SPOKANE
					Total	Tax/Fees		
					Total	Ticket		
	7	22						
river`s Si	gnature	-17						
he total a imitation.	mount includes fe	es and	taxes t	hat may n	ot all be	listed on	this ti	icket due to tec

Grahar and Facility 1820 - Sacham Road Medi wakreatwardthard 9022	Ph: (509)244-0	Original Ticket# 6 151	86310	
Customer Name ABLECLEAN ABLE CLE Ticket Date 01/11/2023 Payment Type Credit Account Manual Ticket# Route Hauling Ticket#	AN-UP Carrier Vehicle# Container Driver Check#	BODES BRAD		
Destination Manifest 107318wa Profile 107318WA (LF02 Gasolin Generator WA-ABLE CLEANUP TECHNO PO# 12244	Billing# Grid e Contaminated S LOGIES ABLE CLEA	0000726 oils) NUP TECHNOL4	OGIES	
Time Scale In 01/11/2023 13:12:34 Scale1 Out 01/11/2023 13:26:21 Scale1	Operator zrichard zrichard	Inbound	Gross Tare Net Tons	71200 lb 28740 lb 42460 lb 21.23
Product LD%	Qty UOM	Rate	Tax/Fee	Amount Origin
1 Cont Soil Pet-RGC-Tons- 100 2 EVF-P10-Environmental F 100 3 SRHD1-Spokane Regional 100	21.23 Tons % 21.23 Tons			SPOKANE SPOKANE SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Gran Facil 1820 Facil MediwabrLakewading	lity oad meMP9022	Ph: (5	09)244-01	Original Ticket# 68	86284	
Customer Name ABI Ticket Date 01/ Payment Type Cre Manual Ticket#	LECLEAN ABLE CLEA /11/2023 edit Account	N-UP Co Vo Co D	arrier ehicle# ontainer river	BODES BRAD		
Route Hauling Ticket# Destination Manifest 107318	73	Cl B. G:	heck∰ illing# rid	0000726		
Profile 107318W Generator WA-ABLE PO# 12244	NA (LF02 Gasoline CLEANUP TECHNOL	Contam OGIES AN	inated So BLE CLEAN	ils) IUP TECHNOLO	OGIES	
Time In 01/11/2023 11 Out 01/11/2023 11	Scale 29:39 Scalel 44:31 Scale1	Operat zrich zrich	tor ard ard	Inbound	Gross Tare Net Tons	65120 1b 28860 1b 36260 1b 18.13

Comments

Prod	luct	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 2 3	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F SRHD1-Spokane Regional	100 100 100	18.13 18.13	Tons % Tons				SPOKANE SPOKANE SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

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100	AND ADDRESS (1993)
Grah	Facility
1820	Graham Road
Medica	BTE AND A GRADEN BY 022

Original Ticket# 686260 Ph: (509)244-0151

Customer 1 Ticket Dat	Name ABLECLEAN te 01/11/202	ABLE CLE	AN-UP Carrier Vehicle#	BODES	
Payment Ty Manual Ti	vpe Credit Ac	count	Container	DIGID	
Route			Check#		
Hauling T:	icket#	Billing#	0000726		
Destinatio	on		Grid		
Manifest	107318wa				
Profile	107318WA (LFO	2 Gasoline	Contaminated S	oile l	
Generator PO#	WA-ABLE CLEAN 12244	UP TECHNO	LOGIES ABLE CLEA	NUP TECHNOLO	DGIES
Time		Scale	Operator	Inbound	Gross

ZR

In Out	Time 01/11/2023 01/11/2023	09:49:04 10:01:59	Scale Scale1 Scale1	Operator zrichard zrichard	Inbound	Gross Tare Net Tons	59300 11 29080 11 30220 11 15.11
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Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Cont Soil Pet-RGC-Ton 2 EVF-P10-Environmental 3 SRHD1-Spokane Regiona	s- 100 F 100 1 100	15.11	Tons % Tons				SPOKANE SPOKANE SPOKANE

Total Tax/Fees Total Ticket STR.

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Grai Facility 1820 — Inam Road Medi wabriadanadihjan 9022	Ph: (509)244-01	Original Ticket# 686192 151		
Customer Name ABLECLEAN ABLE Ticket Date 01/10/2023 Payment Type Credit Account Manual Ticket# Route	CLEAN-UP Carrier Vehicle# Container Driver Check#	BODES sean		
Hauling Ticket# Destination Manifest 107318wa Profile 107318WA (LF02 Gase Generator WA-ABLE CLEANUP TEC PO# 23004	Billing# Grid oline Contaminated Sc CHNOLOGIES ABLE CLEAN	0000726 Dils) JUP TECHNOLOGIES		
Time Scale In 01/10/2023 12:56:18 Scale Out 01/10/2023 13:07:09 Scale	e Operator el zrichard el zrichard	Inbound Gross Tare Net Tons	Б	55820 lb 27460 lb 28360 lb 14.18

Comments

Proc	luct	LD%	Qty	NOU	Rate	Tax/Fee	Amount Origin
1 2	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F	100	14.18	Tons %			SPOKANE
3	SRHD1-Spokane Regional	100	14.18	Tons			SPOKANE

Total Tax/Fees Total Ticket

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

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Grah	Facilian
1820	Si Shaham Road
Media	ABTE AND A GENERAL PO22

Original Ticket# 686170 Ph: (509)244-0151 BODES

Customer Name ABLECLEAN ABLE CLEAN-UP Ticket Date 01/10/2023 Vehicle# SEAN Payment Type Credit Account Container Manual Ticket# Driver Route Check# Billing# 00007 Driver Check# Billing# 0000726
 Haufing ficket#
 Billing#
 0000726

 Destination
 Grid

 Manifest
 107318WA

 Profile
 107318WA (LF02 Gasoline Contaminated Soils)

 Generator
 WA-ABLE

 PO#
 23004
 Time Scale Operator Inbound Gross × ...

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In 01/10/20: Out 01/10/20:	23 11:02:03 23 11:14:32	Scale Scale1 Scale1	Operator zrichard zrichard	Inbound	Gross Tare Net Tons	57740 11 26840 11 30900 11 15,4	bbb5
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Comments

PIOC	luct	LD8	Qty	UOM	Rate	Tay/Fee	Amount	Ondede
						1011/100	Anounc	Origin
1 2 3	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F SRHD1-Spokane Regional	100 100 100	15.45 15.45	Tons % Tons				SPOKANE SPOKANE SPOKANE

Total Tax/Fees Total Ticket

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.



Original Ticket# 686150 Ph: (509)244-0151

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier Ticket Date 01/10/2023 Vehicle# Payment Type Credit Account Containe: Manual Ticket# Driver Carrier BODES Vehicle# sean Container Manual Ticket# Route Hauling Ticket# Destination Grid Manifest 107318wa Profile 107318wA (LF02 Gasoline Contaminated Soils) Generator WA-ABLE CLEANUP TECHNOLOGIES ABLE CLEANUP TECHNOLOGIES PO# 23004 Scale Operator Inbound Gro. Scale Operator Inbound Gro. Tar Tor Gross Tare

Comments

Pro	duct	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 2	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F	100	20.90	Tons				SPOKANE
3	SRHD1-Spokane Regional	100	20.90	Tons		SPOKANE		

Total Tax/Fees Total Ticket

Tons

68660 lb

26860 lb 41800 lb 20.90

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

-	
Graha	Avoid Facility
1820	Road .
Medima	STE ANALAGE ANE NO 022

Original Ticket# 686207 Ph: (509)244-0151

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier BODES Ticket Date 01/10/2023 Vehicle# sean Payment Type Credit Account Container Manual Ticket# Driver BODES Driver Route Hauling Ticket# Check# Hauling Ticket# Destination Grid Manifest 107318wa Profile 107318WA (LF02 Gasoline Contaminated Soils) Generator WA-ABLE CLEANUP TECHNOLOGIES ABLE CLEANUP TECHNOLOGIES PO# 23004 Inbound Gros Time Scale In 01/10/2023 14:30:57 Scale1 Out 01/10/2023 14:42:41 Scale1 Gross zrichard Tare

zrichard

		*** CURL G
Comments		

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Pro	duct	LD%	Qty	MON	Rate	Tax/Fee	Amount Origin
1 2 3	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F	100	15.86	Tons			SPOKANE
	SRHD1-Spokane Regional	100	15.86	Tons			SPOKANE

Total Tax/Fees Total Ticket

Net Tons 59160 lb 27440 lb 31720 lb

15.86

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic

Grah in Actor Facility 1820 - Anna Road Medi pabri akayadityi 19 9022	Ph: (509)244-0	Original Ticket# 686331 151		45
Customer Name ABLECLEAN ABLE Ticket Date 01/11/2023 Payment Type Credit Account Manual Ticket# Hauling Ticket# Destination Manifest 107318WA Profile 107318WA (LF02 Gas Generator WA-ABLE CLEANUP TE PO# 23004	CLEAN-UP Carrier Vehicle# Container Driver Check# Billing# Grid oline Contaminated S CHNOLOGIES ABLE CLEA	ABLECLEANUP ABLE GAGE 00000726 Soils) NUP TECHNOLOGIES	CLEANUP TECHNOLOGIE Category: <u>SPILL</u> Job # <u>23004</u> CSV Approved: Check#Paid [_]	
Time Scal In 01/11/2023 14:47:01 Scal Out 01/11/2023 14:59:33 Scal	e Operator el zrichard el zrichard	Inbound Gros Tare Net Tons	s 76020 lb 31460 lb 44560 lb 22.28	
Comments				

Product	LD%	Qty	MOD	Rate	Tax/Fee	Amount Origin
1 Cont Soil Pet-1 2 EVF-P10-Environ 3 SRHD1-Spokane	RGC-Tons- 100 nmental F 100 Regional 100	22.28	Tons % Tons			SPOKANE SPOKANE SPOKANE

Total Tax/Fees Total Ticket 943.56

Driver`s Signature

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The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.
Grain And Facility	Original	Man KS
1820 Br toreham Boad. Meditmastrianadvingen99022 Ph:	Ticket# 686302 (509)244-0151	
Customer Name ABLECLEAN ABLE CLEAN-UP Ticket Date 01/11/2023	Carrier ABLECLEANUP ABLE Vehicle# gage	CLEANUP TECHNOLOGIE
Manual Ticket# Route	Driver Check#	23004
Hauling Ticket# Destination	Billing# 0000726 Grid	Category: SPILL
Manifest 107318wa Profile 107318WA (LF02 Gasoline Con Constant What Part Cleaning Technologies	taminated Soils)	Job # 2300 4 CSV Approved:
PO# 12244	S ABLE CLEANOF IECHNOLOGIES	Check# Paid [_]
Time Scale Op In 01/11/2023 12:44:39 Scale1 zr Out 01/11/2023 13:11:14 Scale1 zr	erator Inbound Gros ichard Tare ichard Net Tons	s 74200 lb 31540 lb 42660 lb

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1 Cont Soil Pet-RGC-Tons- 2 EVF-P10-Environmental F 3 SRHD1-Spokane Regional	100 100 100	21.33 21.33	Tons % Tons				SPOKANE SPOKANE SPOKANE

Total Tax/Fees Total Ticket 903.34

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

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Grand Are Facility 1820 Areham Road. Mediwairiedwardidgen9022 Customer Name ABLECLEAN ABLE Ticket Date 01/11/2023 Payment Type Credit Account Manual Ticket# Route Hauling Ticket# Destination Manifest 107318wa Profile 107318WA (LF02 Gase Generator WA-ABLE CLEANUP TEC Po# 23004	Ph: CLEAN-UP Dline Cont CHNOLOGIE	(509)244 Carrier Vehicle: Contain Driver Check# Billing Grid taminated S ABLE CL	Original Ticket# 66 -0151 ABLECLEANUN # gage er # 0000726 Soils) EANUP TECHNOLO	36274 P ABLE CLE OGIES	ANUP TECHNO Category: S Job # 230 Approved: Check#	DOM LOGIE DOY CSV Paid [¥2
Time Scale In 01/11/2023 10:49:22 Scale Out 01/11/2023 11:02:26 Scale	e Ope el zr el zr	erator ichard ichard	Inbound	Gross Tare Net Tons	64900 31580 33320 16.	lb lb lb 66	
Comments							
Product	LD%	Qty UOM	Rate	Tax/Fee	Amount Or	igin	
1 Cont Soil Pet-RGC-Tons- 2 EVF-P10-Environmental F 3 SRHD1-Spokane Regional	100 1 100 100 1	6.66 Ton % 6.66 Tor	15		SI SI SI	POKANE POKANE POKANE	

Total Tax/Fees Total Ticket

105.55

Driver`s Signature

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	1.					
ral n A Facility			Original			
820 5. Graham Road			Ticket# 68	6249		
ediwastealanadiment9022	Ph:	(509)244 - 0	151			
ustomer Name ABLECLEAN AB	LE CLEAN-UP	Carrier	ABLECLEANUP	ABLE CL	EANUP TECHNOLOGIE	
licket Date 01/11/2023		Vehicle#	gage			
avment Type Credit Accou	nt	Container	3-3-		07554	
lanual Ticket#		Driver			23000	
oute		Check#				
auland Ticket#		Billing#	0000726		Color Color	
estination		Grid	0000120		Category: SPILL	
lanifect 107318wa		OLIG			Job #23004 CSI	/
cofile 107318WA (LEO2 C	senting Con	taminated C	oile)		Approved	
eperator WA-ARLE CLEANUR	TECHNOLOGIE	CAMINALEU S	NUD TECHNOLO	CIEC	Approved:	
OF 12244	TECHNOTOGIE	2 VETE CTEV	NOF IECHNOLO	GIES	Check#Paid	F 1
0# 12244						
Time	alo 05	avator	Tubound	Croces	71220 15	
1111e SC	ale Up	erator	Tuponug	GIOSS	71320 ID	
n 01/11/2023 09:09:00 Sc	alei zr	ichard		Tare	31640 ID	
uc 01/11/2023 09:20:48 SC	arer Zr	ichard		Net	39680 TD	
				Ions	19.84	
omments					and the second	
	7.050		Dete	m / m -		
roduct	TDS	orà now	Rate	Tax/Fee	Amount Origin	
Cont Soil Det=DCC-Ton	e= 100 1	9 84 Tone			CONANE	
EVE-PIO-Environmental	F 100 1	5.04 IONS			SPORANE	
SRHD1=Spokape Regiona	1 100 1	9 84 Tope			SPOKANE	
onior oponane negrona	- 100 I	2104 1005			SPORAME	
		2				
					3	
					23	
					CVD.23	
					840.23	
			Total	Tax/Fees	840.23	
			Total Total	Tax/Fees Ticket	840.23	
*			Total Total	Tax/Fees Ticket	840.23	
			Total Total	Tax/Fees Ticket	840.23	
•	-0		Total Total	Tax/Fees Ticket	840.23	
	zh		Total Total	Tax/Fees Ticket	840.23	
° river`s Signature	: zh		Total Total	Tax/Fees Ticket	840.23	



45 Gra Original Ticket# 686204 1820 am Road Mediaste ann Adit 9022 Ph: (509)244-0151 Customer Name ABLECLEAN ABLE CLEAN-UP Carrier ABLECLEANUP ABLE CLEANUP TECHNOLOGIE Ticket Date 01/10/2023 Payment Type Credit Account Manual Ticket# Vehicle# gage Container)3004 Driver Route Hauling Ticket# Check# Billing# 0000726 Category: SPILL Job # 23004 CSV Destination Grid Destination Grid Manifest 107318wa Profile 107318WA (LF02 Gasoline Contaminated Soils) Generator WA-ABLE CLEANUP TECHNOLOGIES ABLE CLEANUP TECHNOLOGIES PO# 12244 Approved: ____ Check#___ _Paid [] Time Scale In 01/10/2023 14:00:54 Scale1 Out 01/10/2023 14:13:20 Scale1 Operator Inbound 69020 lb 31480 lb Gross zrichard Tare zrichard Net 37540 lb Tons 18.77 Comments Product LD% Qty MOU Rate Tax/Fee Amount Origin -----_____ ----------Cont Soil Pet-RGC-Tons- 100 EVF-P10-Environmental F 100 SRHD1-Spokane Regional 100 1 18.77 Tons SPOKANE 2 SPOKANE 3 18.77 Tons SPOKANE all the state 794.92 Total Tax/Fees Total Ticket ZX Driver`s Signature

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Granar Acad Facility 1820 - Maham Road Medi wakti akayadi Ageni 9022	Ph: (509)244-	Original Ticket# 686191 0151	
Customer Name ABLECLEAN AB Ticket Date 01/10/2023 Payment Type Credit Accou Manual Ticket#	LE CLEAN-UP Carrier Vehicle≢ nt Containe Driver	ABLECLEANUP ABLE jared r	CLEANUP TECHNOLOGIE
Route Hauling Ticket#	Check# Billing#	0000726	23004
Destination	Grid		Category SPILL
Profile 107318WA (LF02 G	asoline Contaminated	Soils)	Job # 23004 CSV
Generator WA-ABLE CLEANUP PO# 12244	TECHNOLOGIES ABLE CLE	ANUP TECHNOLOGIES	Approved:
			Check#Paid [_]
Time Sc In 01/10/2023 12:55:05 Sc Out 01/10/2023 13:21:18 Sc	ale Operator alel zrichard alel zrichard	Inbound Gros Tare Net	s 46600 lb 43900 lb 2700 lb
		Tons	1 35

Comments

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Prod	uct	LD%	Qty	MOU	Rate	Tax/Fee	Amount	Origin
1	Cont Soil Pet-RGC-Tons-	100	1.35	Tons				SPOKANE
2	EVF-P10-Environmental F	100		99				SPOKANE
3	SRHD1-Spokane Regional	100	1.35	Tons				SPOKANE

Total Tax/Fees Total Ticket 57,14

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

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Grain Fracility 1820 Sminam Road	Ph. (509)244-	Original Ticket# 686	063		2
Meditest analysication and a set of the set	-UP Carrier	ABLECLEANUP	ABLE CL	EANUP TECHNOLOGIE	
Ticket Date 01/06/2023	Vehicles	CAGE		22 4 4	
Manual Ticket#	Driver Check#			23004	
Hauling Ticket# Destination	Billing Grid	# 0000726		Category: SPILL Job # 23004 CSV	
Profile 107318WA (LF02 Gasoline Generator WA-ABLE CLEANUP TECHNOLO PO# 12244	Contaminated GIES ABLE CL	Soils) EANUP TECHNOLOG	IES	Approved: Paid []	
Time Scale In 01/06/2023 15:37:32 Scalel Out 01/06/2023 15:51:01 Scalel	Operator sharrin5 sharrin5	Inbound	Gross Tare Net Tons	73460 lb 31380 lb 42080 lb 21.04	
Commonts					
comments		2			
Product LD%	Qty UOM	Rate	Tax/Fee	Amount Origin	
1 Cont Soil Pet-RGC-Tons- 100 2 EVF-P10-Environmental F 100 3 SRHD1-Spokane Regional 100	21.04 Ton % 21.04 Ton	s		SPOKANE SPOKANE SPOKANE	
20.4				/	
		1.1.1		(0).05	
		Total	Tax/Fee	s GUI	
		Total	Ticket		
54					
Driver's Signature					
The total amount includes fees an limitation.	d taxes that	may not all be	listed	on this ticket due to) technic



Gran b Aug Facility 1820 S Leham Road Mediwasticiogradiaen09022	Ph: (509)244-0	Original Ticket# 686032 1151	KS
Customer Name ABLECLEAN ABLE CLEA Ticket Date 01/06/2023 Payment Type Credit Account Manual Ticket# Route Hauling Ticket# Destination Manifest 107318WA Profile 107318WA (LF02 Gasoline Generator WA-ABLE CLEANUP TECHNOL FO# 12244	N-UP Carrier Vehicle# Container Driver Check# Billing# Grid Contaminated S OGIES ABLE CLEA	ABLECLEANUP ABLE CLEANUP TECHNOLOGIE GAGE 2300 W 0000726 Category: SPILL Job # 2300 Y C Approved: Paie	
Time Scale In 01/06/2023 10:50:47 Scale1 Out 01/06/2023 11:03:40 Scale1	Operator zrichard zrichard	Inbound Gross 65980 lb Tare 31400 lb Net 34580 lb Tons 17.29	
Comments			
Product LD%	Qty UOM	Rate Tax/Fee Amount Origin	
1 Cont Soil Pet-RGC-Tons- 100 2 EVF-P10-Environmental F 100 3 SRHD1-Spokane Regional 100	17.29 Tons % 17.29 Tons	SPOKANE SPOKANE SPOKANE	
	1		
	- Pro-	Total Tax/Fees 132.24	
Driver's Signature ZR			

- 17/	X				VTI	4	
Grad Facility				Original	#6	500 (
1820 S. Graham Road.				Ticket# 68	35616		
1edi vanistě anany Adhim En 8 9022	2	Ph: (509	9)244-0	151			
Customer Name ABLECLEAN Ficket Date 01/03/202 Payment Type Credit Ac Manual Ticket#	N ABLE CLEAN 23 count	-UP Car Vel Cor Dr:	rrier hicle# htainer iver	ABLECLEANUE darren	P ABLE CLE	ANUP TECHNOLOGIE	
Route Hauling Ticket# Destination		Che Bi Gr:	eck# lling# id	0000726			
Profile 107318WA (LF) Generator WA-ABLE CLEAN PO# barker, 230)2 Gasoline NUP TECHNOLO 24	Contami GIES ABI	nated S LE CLEA	oils) NUP TECHNOLO	DGIES		
Time In 01/03/2023 06:58:19 Out 01/03/2023 07:22:19	Scale Scale1 Scale1	Operato ZRICHAI ZRICHAI	or RD RD	Inbound	Gross Tare Net Tons	60380 lb 53040 lb 7340 lb 3.67	
Comments							
Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount Origin	
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Attachment VI. Sampling and Analysis Plan

General

The sampling and analysis plan will comply with applicable State, Federal and local regulations. The sampling procedures conform to Environmental Regulation 1110-1-263 and USACE Memorandum "Sample Handling Protocol for low, medium, and high Concentration Samples of Hazardous Wastes" October 1986, and EPA requirements and guidelines.

Field Screening Techniques

During contaminated soil investigations, samples will be taken for head space analysis to determine if soil contamination is present. These samples will be analyzed in the field utilizing the following procedure:

- 1. Select a clean, sealable plastic airtight baggy.
- 2. Fill the baggy 1/3 full with a discrete soil sample.
- 3. Immediately seal the baggy to prevent volatile components from escaping.
- 4. Place the soil sample in warm to hot environment for 5-10 minutes (vehicle heater or sun rays). This allows the volatile components to become vapors and collect in the space above the soil. Very moist soils shall be allowed to sit in the sun for 10-15 minutes.
- 5. Prior to using the instrument, perform a bump test using a felt pen cap over the end of the sensor probe. This will create an artificial sensor reading.
- 6. Remove the sample container from the warm/hot environment and insert the instrument probe through the plastic for vapor analysis. This must be accomplished within thirty seconds to prevent the sample from cooling and creating a vacuum in the sample container.
- 7. Record the instrument response, sample number, sample location, and time in the sample was collected in the Field Log.
- 8. Allow sufficient time for the instrument to clear prior to analysis of further samples.

Field Instrumentation

Photo Ionization Detector

Able Clean-up Technologies uses the handheld VOC monitor MiniRAE 3000 for field screening of petroleum products and volatile organic compounds

<u>Alarm Signals</u>

During each measurement period, the gas concentration is compared with the programmed alarm limits; if the concentration exceeds any of the preset limits, the loud buzzer and red flashing LED are activated immediately to warn you of the alarm condition.

In addition, the instrument alarms if one of the following conditions occurs: battery voltage falls below preset voltage level, failure of the UV lamp, or pump stall.

The instrument is factory calibrated with standard calibration gas and is programmed with default alarm limits.

Integrated Sampling Pump

The instrument includes an integrated sampling pump, this diaphragm-type pump that provides a 450 to 550 cc per minute flow rate. Connecting a Teflon or metal tubing with 1/8" inside diameter to the gas inlet port of the instrument, this pump can pull in air samples from 100' (30 m) away horizontally or vertically.

If liquid or other objects are pulled into the inlet port filter, the instrument detects the obstruction and immediately shuts down the pump. The alarm is activated, and a flashing pump icon is displayed.

The user needs to acknowledge the pump shutoff condition by clearing the obstruction and pressing the [Y/+] key while in the main reading display to restart the pump.

Calibration of Testing Equipment

Entering Calibration:

- 1. Press and hold [MODE] and the [N/-] until the Password screen is visible.
- 2. In Basic User Level, the user does not need a password to perform calibrations. Instead of inputting a password, enter calibration by pressing [MODE].

The calibration screen is now visible with Zero Calibration highlighted.

The following options are available:

- Press [Y/+] to select the highlighted calibrations (Zero Calib or Span Calib).
- Press [MODE] to exit calibration and return to main display and resume measurement.
- Press [N/-] to toggle the highlighted calibration type.

Zero (Fresh Air) Calibration

This procedure determines the zero point of the sensor calibration curve. To perform a fresh air calibration, use the calibration adapter to connect the instrument to a "fresh" air source such as from a cylinder or Tedlar bag. The "fresh" air is clean, dry air without organic impurities and an oxygen level of 20.9%. If such an air cylinder is not available, any clean ambient air without detectable contaminants or a charcoal filter can be used.

At the Zero Calibration menu, the user can proceed to perform a Zero calibration or bypass Zero calibration and perform a Span calibration.

Once Zero calibration mode has been entered, the screen will prompt the user to apply zero gas.

- 1. Turn on Zero calibration gas.
- 2. Press [Y/+] to start calibration.
- 3. Zero calibration starts a 30-second countdown and displays "Zeroing..." message.

During zeroing process, the instrument performs the Zero calibration automatically and does not require any user action.

When Zero calibration is complete, "Zeroing is done! Reading 0.0 ppm" message is displayed

The instrument will then show the Calibration menu on the display, with Span Calib highlighted.

Span Calibration

This procedure determines the second point of the sensor calibration curve for the sensor. A cylinder of a standard reference gas (span gas) fitted with a 500 cc/min flow-limiting regulator or a flow-matching regulator is the simplest way to perform this procedure. Choose the 500 cc/min regulator only if the flow rate matches or slightly exceeds the flow rate of the instrument pump. Alternatively, the span gas can first be filled into a Tedlar bag or delivered through a demand-flow regulator. Connect the calibration adapter to the inlet port of the instrument, and connect the tubing to the regulator or Tedlar bag.

Another alternative is to use a regulator with greater than 500 cc/min flow but allow the excess flow to escape through a T or an open tube. In the latter method, the span gas flows out through an open tube slightly wider than the probe, and the probe is inserted into the calibration tube.

At the Span Calibration menu, the user performs a Span Calibration.

- Press [Y/+] to enter Span calibration.
- Press [N/-] to skip Span calibration and return to Zero calibration.
- Press [MODE] to exit Span calibration and return to the top calibration menu.

Once Span calibration has been entered, the user will see the name of the Span gas and the span value in parts per million (ppm). The message shown will prompt the user.

- 1. Turn on the span calibration gas.
- 2. Press [Y/-] to initiate calibration.
- 3. Zero calibration starts a 30-second countdown and displays this message:

"Calibrating "

During the Span calibration process, there is a 30-second countdown, and the instrument performs the Span calibration automatically. It requires no user action.

When Span calibration is complete, a message similar to this will display (the value is an example only):

"Span 1 is done! Reading 100.0 ppm"

The instrument then exits Span calibration and shows the Zero calibration menu on its display.

Exiting Two Point Calibration in Basic User Level

When the user is done performing calibrations, press [MODE] which corresponds with "Back" on the display. The following message will display:

"Updating Settings..."

The instrument updates its settings and then returns to the main display. It begins or resumes monitoring.

Three-Point Calibration

For enhanced accuracy, it is possible to perform a second Span calibration in addition to the Zero and Span calibrations outlines in the previous section. The instrument must first be set to allow this third calibration. This requires using ProRAE Studio software and a PC, as well as a higher concentration of calibration gas.

Perform the Zero and Span calibrations. After the first Span calibration (Span 1) is completed, a second calibration (Span 2) can be performed. The process is identical to the first calibration.

Span 2 Calibration

A cylinder of standard reference gas (span gas) fitted with a 500 cc/min flow-limiting regulator, or a flow-matching regulator is the simplest way to perform this procedure.

Choose the 500 cc/min regulator only if the flow rate matches or slightly exceeds the flow rate of the instrument pump. Alternatively, the span gas can first be filled into a Tedlar bag or delivered through a demand-flow regulator. Connect the calibration adapter to the inlet port of the instrument and connect the tubing to the regulator or Tedlar bag.

Another alternative is to use a regulator with a >500 cc/min flow but allow the excess flow to escape through a T or an open tube. In the latter method, the span gas flows out through an open tube slightly wider than the probe, and the probe is inserted into the calibration tube.

At the Span Calibration menu, the user can perform a Span Calibration.

- Press [Y/+] to enter Span 2 calibration
- Press [N/-] to skip Span calibration and return to Zero calibration.
- Press [MODE] to exit Span calibration and return to the top menu.

If the user has pressed [Y/+] to enter Span calibration, then the user will see the name of the Span gas (the default is isobutylene) and the span values in parts per million (ppm). A message prompt: "Please apply gas..." will appear.

4. Turn on the span calibration gas.

- 5. Press [Y/+] to initiate calibration
- 6. Span calibration starts a 60-second countdown and displays this message: "Calibrating..."

During the Span calibration process the instrument performs the Span calibration automatically and does not require any user action.

When Span calibration is complete, the user will see a message similar to this (the value shown here is for example only):

The instrument then exits Span calibration and shows the Zero calibration on its display.

Soil Sample Collection Method

The procedures outlined here are summarized from *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods SW-846, Method 5035.*

Soil Samples for Volatile Organic Compounds (VOC's) Analysis

If samples are to be analyzed for volatile organic compounds, they should be collected in a manner that minimizes disturbance of the sample. For example, when sampling with an auger bucket, the sample for VOC analysis should be collected directly from the auger bucket (preferred) or from minimally disturbed material immediately after an auger bucket is emptied into the pan. The sample shall be containerized by filling a <u>Sampler</u> or other Method 5035 compatible container. *Samples for VOC analysis are not homogenized*. Preservatives may be required for some samples with certain variations of Method 5035. Consult the method or the principal analytical chemist to determine if preservatives are necessary.

Soil Sampling (Method 5053)

The following sampling protocol is recommended for site investigators assessing the extent of volatile organic compounds (VOCs) in soils at a project site. Because of the large number of options available, careful coordination between field and laboratory personnel is needed. The specific sampling containers and sampling tools required will depend upon the detection levels and intended data use. Once this information has been established, selection of the appropriate sampling procedure and preservation method best applicable to the investigation can be made.

Sampling Methodology – High Concentrations (>200 µg/kg)

Based upon the data quality objectives and the detection level requirements, this high level method may also be used. Specifically, the sample may be packed into a single 2-oz. glass container with a screw cap and septum seal. The sample container must be filled quickly and completely to eliminate head space.

Special Techniques and Considerations for Method 5035

Effervescence

If low concentration samples effervesce from contact with the acid preservative, then either a test for effervescence must be performed prior to sampling, or the investigators must be prepared to collect each sample both preserved or un-preserved, as needed, or all samples must be collected unpreserved.

To check for effervescence, collect a test sample and add to a pre-preserved vial. If preservation (acidification) of the sample results in effervescence (rapid formation of bubbles) then preservation by acidification is not acceptable, and the sample must be collected un-preserved. If effervescence occurs and only pre-preserved sample vials are available, the preservative solution may be placed into an appropriate hazardous waste container and the vials triple rinsed with organic free water. An appropriate amount of organic free water, equal to the amount of preservative solution, should be placed into the vial. The sample may then be collected as an un-preserved sample. Note that the amount of organic free water placed into the vials will have to be accurately measured.

Sample Size

While this method is an improvement over earlier ones, field investigators must be aware of an inherent limitation. Because of the extremely small sample size and the lack of sample mixing, sample representativeness for VOCs may be reduced compared to samples with larger volumes collected for other constituents. The sampling design and objectives of the investigation should take this into consideration.

Holding Times

Sample holding times are specified in the *Analytical Support Branch Laboratory Operations and Quality Assurance Manual* (ASBLOQAM), Most Recent Version. Field investigators should note that the holding time for an unpreserved VOC soil/sediment sample on ice is 48 hours. Arrangements should be made to ship the soil/sediment VOC samples to the laboratory by overnight delivery the day of collection so the laboratory may preserve and/or analyze the sample within 48 hours of collection.

Percent Moisture and Preservative Compatibility (MOICA)

Samplers must ensure that the laboratory has sufficient material to determine percent moisture in the VOC soil/sediment sample to correct the analytical results to dry weight. If other analyses requiring percent moisture determination are being performed upon the sample, these results may be used. If not, a separate sample (minimum of 2 oz.) for percent moisture determination will be required. The sample collected for percent moisture may also be used by the laboratory to check for preservative compatibility.

<u>Safety</u>

Methanol is a toxic and flammable liquid. Therefore, methanol must be handled with all required safety precautions related to toxic and flammable liquids. Inhalation of methanol vapors must be avoided. Vials should be handled with protective gloves, opened and closed quickly during the sample preservation procedure, and handled in a ventilated area. Store methanol away from sources of ignition such as extreme heat or open flames. The vials of methanol should be stored on ice at all times.

- 1. Whenever possible, samples will be gathered by the backhoe operator who will excavate material and make it available to the ACT environmental technician.
- 2. If the situation is such that a representative sample cannot be gathered by the backhoe, the ACT environmental technician will enter the pit to obtain the sample. If entry is necessary, a ladder and second means of egress will be provided. If the excavation walls cannot conform to the angle of repose (i.e., 37 degrees from horizontal or less) then the sidewalls will be shored temporarily assuming the excavation is over five feet in depth and not located in bedrock, solid rock, hard shale, hard pan, cemented sand or gravel, or similar stable material in which there is no possibility of movement or cave-in.
- 3. If groundwater is present, samples will be taken of the water.
- 4. One soil sample will be taken in each area that is suspected to be contaminated, based on visual inspection and head space analysis results.
- 5. If groundwater is exposed, two water samples will be taken, one from the surface of the water and one completely below the surface.

The shipment and disposal methods for rinsate, sludge and/or contaminated water will be based on the results of the sample analyses. All material will be disposed of in accordance with all Federal, State and local requirements for the material that has been identified.

Sample Numbering System

A 5-6 digit sampling numbering scheme will be used to identify the samples as follows: Example: CSV-SA-3

- CSV: City Service Valcon
- C: Characterization
- SA: Site Assessment

Sampling Equipment Handling and Decontamination

Sampling utensils which contact environmental supplies will be decontaminated, inspected and repaired as necessary after each use. The decontamination procedure will be conducted as follows:

- 1. Wash the utensil in a solution of Alconox® (TSP) and water. The solution shall consist of 1/4 cup TSP and 4 gallons potable water.
- 2. Rinse the utensil with deionized water.
- 3. Repeat step one and step two when the utensil comes in contact with highly contaminated media.
- 4. Store the utensil in its protective case. Utensils will not be placed in the case until they have been properly decontaminated. In the event that a utensil is placed in its protective case prior to decontamination, the protective case, as well as the utensil will be decontaminated prior to use.
- 5. Rinsate from this procedure will be disposed of off-site in an environmentally safe manner, according to all Federal, State and local regulations.

Sample Handling and Shipment

Sample handling and shipment procedures are discussed under section Sample Analysis Quality Control and Quality Assurance Plan

Head Space Sampling and Testing Procedure

The excavation material was evaluated using field head space analysis performed with a PID. This was performed on site to estimate if the soil survey samples were impacted or not.

The results from the head space tests were utilized to evaluate the potential extent of contamination. When the head space analytical results indicated that the excavated soils were within acceptable limits of contamination which is less than 5ppm, no laboratory samples were collected. If the head space sample was over 5ppm then a laboratory sample was extracted and transported under COC directly to the laboratory for analysis.

Sampling Analysis Quality Control and Quality Assurance Plan

General

The Quality Assurance and Quality Control Plan will comply with applicable State, Federal and local regulations. The sampling procedures conform to the technical specifications of the contract and USACE-Environmental Regulation 1110-1-263 and USACE Memorandum "Sample Handling Protocol for low, medium, and high Concentration Samples of Hazardous Wastes" October 1986, and EPA requirements and guidelines.

Field Sampling Quality Control

Field sampling procedures developed for this project reflect a level of quality which is consistent with applicable federal, state, and local guidelines. The following outline describes the Q.C. Field Sampling Procedures.

Soil Sampling

Soil samples are collected from the backhoe bucket wherever possible. The sampler will direct the backhoe operator to place the bucket at the desired sample location. The backhoe operator will collect no less than 1/4 cubic yard and move the bucket to a location safely accessible to the sampler. However, on occasion it may be necessary for the sampler to enter the excavation to collect a soil sample that is inaccessible to the backhoe bucket. Stable embankment slopes (min. 1.5h: 1.0v) or temporary shoring must be provided prior to entry by the sampler.

Using decontaminated sampling utensils, the sampler will remove sufficient soil to ensure that the backhoe bucket did not come into contact with the soil sample to be collected. The sample will be collected from the center of the bucket at least six inches below the soil surface to ensure that volatilization of aromatic compounds in the soil does not occur.

In general, soil sample collection and control will follow the protocol described below:

- A. Select a laboratory certified clean sample jar for sample collection.
- B. Using clean latex gloves and clean sampling utensils (see Sampling Utensil Decontamination) tightly pack the soil into the sample jar to prevent any air space.
- C. Label the jar with the soil sample number, type of laboratory test required, date, name of site, and the name of the sampler.
- D. Enter the sample information on the COC form.
- E. Pack the sample in an ice chest packed with ice following all guidelines.
- G. When the ice chest is filled, or at the close of each workday, the ice chest shall be sealed.
- H. Transport the ice chest to a commercial courier for shipment to the laboratory or directly to the laboratory.

Groundwater Sampling

The procedure for collection of groundwater samples for laboratory analysis is as follows:

- A. Select a laboratory certified clean sample jar for sample collection.
- B. Use clean latex gloves to collect a sample of groundwater by immersing the sample jar in the exposed groundwater (Note: It will be necessary for the sampler to enter the excavation to accomplish this task). Place the cap on the sample jar/vial underwater to ensure the absence of air. Invert the sample to ensure there is no air space included with the sample.
- C. Label the jar with the groundwater sample number, type of laboratory test required, date, name of the site, and the name of the sampler.
- D. Enter the sample on the COC form.
- E. Pack the sample in an ice chest packed with ice for shipment
- F. When the ice chest is filled, or at the close of each workday, the ice chest shall be sealed.
- G. Transport the ice chest to a commercial courier for shipment to the laboratory, or directly to the laboratory when possible.

Head Space Sampling and Testing Procedure

The procedure for collection and analysis of head space samples is as follows:

- A. Select a clean, sealable plastic bag.
- B. Fill the bag 1/3 full with a discrete soil sample.
- C. Immediately seal the opening as to not vent volatile components.
- D. Place the sample container in a warmed location for 10 minutes. This allows the volatile components to become vapors and collect in the space above the soil.
- E. Remove the sample container from the warmed location and insert the instrument probe through the opening for vapor analysis. This must be accomplished within thirty seconds to prevent the sample from cooling and creating a vacuum in the sample container.

Record the instrument response, sample number and sample location in the field log.

Rinsate Sampling

The procedure for collection of rinsate samples for laboratory analysis is as follows:

- A. Select a laboratory certified clean sample jar for sample collection.
- B. Using clean latex gloves collect a sample of rinsate by immersing it in the liquid contained in drum for each tank cleaning. Place the cap on the sample jar/vial under the surface of the liquid to ensure the absence of air. Invert the sample to ensure there is no air space included with the sample.
- C. Label the jar with the rinsate sample number, the type of laboratory test required, the date, name of site and the name of the sampler.
- D. Enter the sample on the COC form.
- E. Pack the sample in an ice chest packed with blue ice for shipment.
- F. When the ice chest is filled, or at the close of each workday, the ice chest shall be sealed.

Transport the ice chest to a commercial courier for shipment to the laboratory.

Laboratory Quality Control

- A. Eurofins TestAmerica will be responsible for quality control of soil and groundwater samples at the facility. They will provide QA/QC sample analysis.
- B. Analysis of all samples from soil, water, or decontamination water will be performed by the following laboratory:

Eurofins TestAmerica

11922 East 1st Ave

Spokane, WA 99206

- C. Samples will be handled in accordance with the following protocol:
 - 1. *Purpose:* This protocol provides guidance on sample volumes, containers, packing, and shipping for low, medium, and high concentration environmental samples taken for chemical analysis.
 - 2. *Applicability:* This guidance applies to all samples taken for HTW chemical analysis. The requirements are consistent with those of the Environmental Protection Agency and all standard chemical methods generally used are included.
 - 3. Low Concentration Samples:
 - a. Waters
 - (1) Organics
 - (a) Bottle and Preservative Requirement
 - Four 1-liter amber glass bottles (*Teflon*-lined caps); iced to 4°C (may not be held at site over 24 hours).
 - Two 40 mL glass VOA vials (with *Teflon* septa); iced to 4°C (may not be held at site over 24 hours). Add HCl (4 drops of concentrated HCl) or NaHSO₄ to pH<2.
 - The samples above are needed when Method 8240 is used to analyze for volatile (or purgeable) organics, when Methods 8250 or 8270 are used to analyze for Base/Neutral/Acid (B/N/A) extractable organics, and when Method 8080 is used to analyze for pesticides and PCB's. Two of the 1-L bottles are needed for 8250 or 8270 and two for 8080.
 - Oil and Grease, Total Organic Carbon (TOC) or TRPH. For each analyte, two 1-liter glass bottles (*Teflon*-lined cap), 5 mL 1:1 HCl (to pH < 2), and 4°C.
 - (b) Paperwork/Labels: COC Record. It is important to note that only <u>one</u> site is listed per form even if the sites have the same sample project number. Top original goes with the samples; a copy will be saved for the sampler's files.
 - Receipt for Samples. This form complies with the requirements that the operator or agent-in-charge is legally entitled to: (1) a receipt describing the samples obtained from the site and (2) a portion of each sample equal in weight or volume to the portion retained, if requested. The original form is retained for the Project Coordinator and a copy is given to the operator or agent-in-charge.

- Sample Labels. Samples will be labeled with a date, time of collection, site name, and brief description on a label that will <u>not</u> float/soak off. Numbered sample labels will be used on all samples.
- (c) Packaging and Shipping.
 - Waterproof metal (or equivalent strength plastic) ice chests or coolers will be used.

Method:

1. After filling out the pertinent information on the sample label, place the label onto the closed sample container.

2. Mark volume level on bottle with grease pencil.

3. Place about 3 inches of inert cushioning material such as vermiculite in the bottom of the cooler.

4. Enclose the bottles in clear plastic bags through which sample labels are visible and seal the bag. Place bottles upright in the cooler so that they <u>do not touch</u> and will not touch during shipment.

5. Add additional inert packing material to partially cover sample bottles (more than halfway) and place bags of ice around, among, and on top of the sample.

6. Fill cooler with cushioning material.

7. Seal paperwork (COC record) in a waterproof plastic bag and place in the cooler, securing it to the lid with the tape if necessary.

- 7. Tape the drain shut.
- 8. Secure lid by taping. Wrap the cooler completely with strapping tape at a minimum of two locations. Do not cover any labels.
- 10. Attach completed shipping label to top of the cooler.
- 11. Put "This Side Up" labels on all four sides and "Fragile" labels on at least two sides.
- 12. Affix numbered and signed custody seals on front right and back left of cooler. Cover seals with wide, clear tape.
- b. Soils/Sediments
 - (1) (Organic and Inorganic)
 - (a) Bottle and Preservative Requirements:
 - Two 8-ounce glass wide mouth jars at least 3/4 full *Teflon*-lined), iced to 4°C one jar for organics (non-VOA) and one jar for inorganic. For analysis of volatile in soil, two 40 mL VOA vials or two 125 mL jars with *Teflon* septa are used. These will be completely filled and iced to 4°C.
 - (b) Paperwork/Labels: Paperwork requirements are the same as those samples in Section 4.2.2 C. 3 (b) above.
 - (c) Packaging and Shipping: Packaging and shipping requirements are the same as those listed in Section 4.2.2 C 3 (c) above.
- 4. *Medium Concentration Samples:*
 - a. Water/Liquids (Organics and Inorganic)

**Note: Samples are not known to contain highly toxic compounds.

- (a) Bottle and Preservative Requirements:
 - Four 32-ounce wide mouth glass jars (*Teflon*-lined caps), no preservatives, and iced to 4°C for B/N/A extractable organics and PCB Pesticides (two jars for each method).
 - Two 40 mL glass VOA vials (*Teflon* septa), Iced to 4°C. Fill completely. No head space needed.
 - Two 16-ounce wide mouth glass jars nearly full (*Teflon*-lined caps) one for metals and one for cyanide. (Preserved for low levels). See Section 4.2.2 C 3(b).

(b) Paperwork/Labels: Paperwork requirements are the same as those listed in Section 4.2.2 C 3(b) for low concentration samples.

(c) Packaging and Shipping: Packaging and shipping requirements are the same as those listed in Section 4.2.2 C 3 (c) above.

Method:

- 1. Sample jar lids will be secured with strapping tape or evidence tape. At the same time, string from USEPA numbered tag will be secured around lid.
- 2. Mark volume level of bottle with grease pencil.
- 3. Position jar in Ziploc bag so that tags may be read.

4. Place about 1/2 inch of cushioning material in the bottom of metal can.

- 5. Place jar in can and fill remaining volume of can with cushioning material.
- 6. Close the can using three clips to secure lid.
- 7. Write sample number on the can lid. Indicate "This Side Up" by drawing an arrow and place "Flammable Liquid N.O.S." label on can. Personnel who ship samples must be sure to comply with DOT shipping regulations and not knowingly <u>over-classify</u> a sample prior to shipment. If the person shipping a sample <u>knows</u> that the sample is not "Flammable Liquid" (i.e., a water phase sample or a soil sample), he should not classify it as "Flammable Liquid."
- 8. Place about 1 inch of packing material in bottom of cooler.
- 9. Place cans in cooler and fill remaining volume of cooler with packing material. Add ice bags if required.
- 10. Put paperwork in plastic bags and tape with masking tape to inside lid of cooler.
- 11. Tape drain shut.
- 12. After acceptance by shipper, tape cooler completely around with strapping tape at two locations. Secure lid by taping. Do not cover any labels.
- 13. Place lab address on top of cooler.

** Note: Write "Flammable Liquid N.O.S." on side of cooler if this is not marked on the margin of your DOT label.

- 14. For all medium and high concentration shipments, complete shipper's hazardous material certification form.
- 15. Put "This Side Up" labels on all four sides, "Flammable Liquid N.O.S." and "Danger-Peligro" on all sides.

** Note:"Danger-Peligro" labels should be used only when net quantity of samples in cooler exceeds 1 quart (32 ounces) for liquids or 25 pounds for solids. In other words, for our purposes "Danger-Peligro" labels will never be used for Flammable Solids N.O.S.

- 16. Affix number custody seals on front right and back left of cooler. Cover seals with wide, clear tape.
- b. Soils/Sediments/Solids (Organics and Inorganic)
 - (a) Bottles and Preservatives Requirements:
 - For analysis of volatile, two 40 mL VOA vials or two 125 mL jars with *Teflon* septa are used. These should be completely filled and iced to 4°C.
 - Two 8-ounce wide mouth glass jars, 3/4 full (*Teflon*-lined caps), no preservative; two jars for organic (non-VOA) and two jars for inorganic.
 - (b). Paperwork/Labels: See previous examples. Paperwork requirements are the same as those listed in Section 4.2.2. C 3(c) for low concentration samples.
 - (c). Packaging and Shipping: Packaging and shipping requirements are listed in Section 4.2.2. C 3(c) for medium concentration water/liquids above, substituting "Flammable Liquid N.O.S." with "Flammable Solid N.O.S."
- 5. High Concentration Samples (Hazardous: Determined Not to be D.O.T.-Defined Poison A): High concentration samples include those from drums, tanks, surface impoundments, direct discharges, and spills, where there is little or no evidence of environmental dilution. High concentration (or high hazard) samples are suspected to contain greater than 15% concentration of any individual chemical constituent.
 - a. Liquids (Organics and Inorganic).

(a.) Bottle and Preservative Requirements: One 8-ounce wide mouth glass jar filled 1/2 to 3/4 full (*Teflon*-lined cap). No preservative.

(b.) Paperwork/Labels: Paperwork requirements are the same as those listed in Section 4.2.2 C 3(b) above.

Shipper may require special forms to be completed before shipment of high hazard concentration samples.

(c.) Packaging and Shipping: Packaging and shipping requirements are the same as those in Section 4.2.2. C 3(c) above for medium concentration water/liquids.

- b. Soils/Sediments/Solids (Organics and Inorganic):
 - (a.) Bottle and Preservative Requirements: One 8-ounce wide-mouth glass jar filled 1/2 to 3/4 full (*Teflon* lined cap). No preservative.
 - (b.) Paperwork/Labels: Paperwork requirements are the same as those listed in Section 4.2.2 C 3(b) above.

(c.) Packaging and Shipping: Packaging and shipping requirements are the same as those listed in Section 4.2.2. C 3(c) for medium concentration water/liquids, substituting "Flammable Liquid N.O.S." with "Flammable Solid N.O.S."

1. B/N/A = Base/Neutral/Acid extractables; TRPH = Total Recoverable Petroleum Hydrocarbons.

2. All containers must have *Teflon*-lined seals (*Teflon*-lined septa for VOA vials).

G = Glass; P = High density polyethylene.

3. Sample preservation will be done in the field immediately upon sample collection. If water samples are filtered in the field, differential pressure methods using 45 micron filters will be used, and preservative added after filtration VOA samples should never be filtered.

4. When only one holding time is given, it implies total holding time from sampling until analysis.

5. Three bottles are required on at least 5-10% (but at least one) sample so that laboratory can perform all method QC checks for SW-856 method.

6. Total Recoverable Metals for water samples. Holding time for Hg is 28 days in glass; for Cr(VI) is 24 hours.

7. C1⁻, Br⁻, F⁻, NO₃., NO₂., PO₄₃., SO₄₂; 1 L for each method; orthophosphate requires filtration. Holding time for extraction is 48 hours for NO₂., NO₃., and PO₄⁻ if not preserved with H₂SO₄ to pH < 2.

8. Samples with residual chlorine present will dechlorinated with sodium thiosulfate as specified in SW-846 (Third edition).

9. Holding times for medium concentration samples are the same as those specified for low concentration samples.