Wednesday, December 30, 2020

eAnalytics Laboratory
eAnalytics Laboratory
4130 Clydesdale Parkway
Loveland, CO 80538

Re: ALS Workorder: 2012343
Project Name: Summit Mid Stream 1
Project Number:

Dear Laboratory:

Six soil samples were received from eAnalytics Laboratory, on 12/14/2020. The samples were scheduled for the following analyses:

Inorganics
Metals

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental
Katie M. OBrien
Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALS Environmental – Fort Collins	
Accreditation Body	License or Certification Number
Alaska (AK)	17-003
Arizona (AZ)	AZ0742
California (CA)	2926
Colorado (CO)	CO01099
Florida (FL)	E87914
Idaho (ID)	CO01099
Kansas (KS)	E-10381
Kentucky (KY)	90137
PJ-LA (DoD ELAP/ISO 170250)	95377
Maryland (MD)	285
Missouri (MO)	175
Nebraska(NE)	NE-OS-24-13
Nevada (NV)	CO010992018-1
New York (NY)	12036
North Dakota (ND)	R-057
Oklahoma (OK)	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	TN02976
Texas (TX)	T104704241
Utah (UT)	CO01099
Washington (WA)	C1280

2012343

Metals:

The samples were analyzed following SW-846, 3rd Edition procedures. Analysis by ICPMS followed method 6020B and the current revision of SOP 827. Mercury analysis by CVAA followed method 7471A and the current revision of SOP 812.

All acceptance criteria were met.

Inorganics:

The samples were analyzed following SW-846 procedures for the current revision of the following SOP and method:

Analyte	Method	SOP #
Hexavalent chromium	7196A	1122

All acceptance criteria were met.

ALS -- Fort Collins

Sample Number(s) Cross-Reference Table

OrderNum: 2012343
Client Name: eAnalytics Laboratory
Client Project Name: Summit Mid Stream 1
Client Project Number:
Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
Background Sample (3393-1)	2012343-1		SOIL	03-Dec-20	
Sample #1 (3393-2)	2012343-2		SOIL	03-Dec-20	
Sample #2 (3393-3)	2012343-3		SOIL	03-Dec-20	
Sample #3 (3393-4)	2012343-4		SOIL	07-Dec-20	
Sample #5 (3393-5)	2012343-5		SOIL	04-Dec-20	
Baseline Sample (3393-6)	2012343-6		SOIL	08-Dec-20	

ALS Environmental

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

Form 202r8

WORKORDER #	2012343
PAGE	1 of 1
DISPOSAL	By Lab or Return to Client

PROJECT NAME	Summit Mid Stream	SAMPLER		DATE	12/14/20
PROJECT No.	CISW Cleanup	SITE ID		TURNAROUND	Standard
		EDD FORMAT			
		PURCHASE ORDER			
COMPANY NAME	eAnalytics Laboratory	BILL TO COMPANY			
SEND REPORT TO	See comments	INVOICE ATTN TO			
ADDRESS	4130 Clydesdale Pkwy	ADDRESS			
CITY / STATE / ZIP	Loveland, CO 80538	CITY / STATE / ZIP			
PHONE	970-667-6975	PHONE			
FAX	970-669-0941	FAX			
E-MAIL	See comments	E-MAIL			

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Total selenium	total mercury	total arsenic	total Hexavalent chromium
1	Background sample (3393-1)	soil	1213		1			X	X	X	X
2	sample #1 (3393-2)	↓	↓		↓			↓	↓	↓	↓
3	sample #2 (3393-3)	↓	↓		↓			↓	↓	↓	↓
4	sample #3 (3393-4)	↓	1217		↓			↓	↓	↓	↓
5	sample #5 (3393-5)	↓	1214		↓			↓	↓	↓	↓
6	Baseline sample (3393-6)	↓	1218		↓			↓	↓	↓	↓

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments:

Please send all reports and invoices to the following:

cdesken@eanalyticslab.com

trhea@eanalyticslab.com

mray@eanalyticslab.com

QC PACKAGE (check below)	
	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY	[signature]	Miranda McNeal	12/14/20	400p
RECEIVED BY	[signature]	Rose Argano	12/14/20	1600p
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

0016

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client Name/ID: eAnalytics Workorder No: 2012343

Project Manager: KMO Initials: RGA Date: 12/16/2020

1. Are airbills / shipping documents present and/or removable?	☑ Drop Off	☐ YES	☐ NO
2. Are custody seals on **shipping** containers intact?	☑ NONE	☐ YES	☐ NO*
3. Are custody seals on **sample** containers intact?	☑ NONE	☐ YES	☐ NO*
4. Is there a COC (chain-of-custody) present?		☑ YES	☐ NO*
5. Is the COC in agreement with samples received? (IDs, dates, times, # of samples, # of containers, matrix, requested analyses, etc.)		☑ YES	☐ NO*
6. Are short-hold samples present?		☐ YES	☑ NO
7. Are all samples within holding times for the requested analyses?		☑ YES	☐ NO*
8. Were all sample containers received intact? (not broken or leaking)		☑ YES	☐ NO*
9. Is there sufficient sample for the requested analyses?		☑ YES	☐ NO*
10. Are samples in proper containers for requested analyses? (form 250, *Sample Handling Guidelines*)		☑ YES	☐ NO*
11. Are all aqueous samples preserved correctly, if required?	☑ N/A	☐ YES	☐ NO*
12. Were unpreserved samples pH checked, if required?	☑ N/A	☐ YES	☐ NO
13. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, radon) free of bubbles > 6 mm in diameter?	☑ N/A	☐ YES	☐ NO
14. Were the samples shipped on ice?		☐ YES	☑ NO
15. Were cooler temperatures measured at 0.1 - 6.0°C? IR gun used+: ☐ #3 ☐ #5	☐ Rad Only	☐ YES	☑ NO

Cooler #: 1

Temperature (°C): amb

# of custody seals on cooler: 0

External mR/hr reading: -

Background mR/hr reading: 10

Were external mR/hr readings ≤ two times background and within DOT acceptance criteria? (If no, see Form 008) ☑ N/A ☐ YES ☐ NO

* Please provide details below for 'NO' responses in gray boxes above - for 2 thru 5 & 7 thru 12, notify PM & continue w/ login.

All client bottle ID's vs ALS lab ID's double-checked by: RGA

If applicable, was the client contacted? ☐ YES ☐ N/A Contact Name Date:

Project Manager Signature / Date: 12/17/20

Form 201r30.xls
(06/04/2020)

+IR Gun #3, VWR SN 170647571
+IR Gun #5, VWR SN 192272629

ALS -- Fort Collins

SAMPLE SUMMARY REPORT

Client:	eAnalytics Laboratory	**Date:**	*30-Dec-20*
Project:	Summit Mid Stream 1	**Work Order:**	2012343
Sample ID:	Background Sample (3393-1)	**Lab ID:**	2012343-1
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/3/2020	**Percent Moisture:**	10.9

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.06	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/18/2020**		PrepBy: **TXS**
ARSENIC	**5.5**		**0.2**	**MG/KG**	10	0.048	12/21/2020 17:32
SELENIUM	**1.3**		**0.99**	**MG/KG**	10	0.2	12/21/2020 17:32
MERCURY			**SW7471**		Prep Date: **12/21/2020**		PrepBy: **JRS**
MERCURY	**0.014**	J	**0.036**	**MG/KG**	1	0.000065	12/23/2020 11:34

SAMPLE SUMMARY REPORT

Client:	eAnalytics Laboratory	**Date:**	*30-Dec-20*
Project:	Summit Mid Stream 1	**Work Order:**	2012343
Sample ID:	Sample #1 (3393-2)	**Lab ID:**	2012343-2
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/3/2020	**Percent Moisture:**	14.7

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.12	MG/KG	1	0.063	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/18/2020**		PrepBy: **TXS**
ARSENIC	**5.6**		**0.22**	**MG/KG**	10	0.054	12/21/2020 17:35
SELENIUM	**1.1**	J	**1.1**	**MG/KG**	10	0.22	12/21/2020 17:35
MERCURY			**SW7471**		Prep Date: **12/21/2020**		PrepBy: **JRS**
MERCURY	**0.061**		**0.037**	**MG/KG**	1	0.000066	12/23/2020 11:36

SAMPLE SUMMARY REPORT

Client:	eAnalytics Laboratory	**Date:**	*30-Dec-20*
Project:	Summit Mid Stream 1	**Work Order:**	2012343
Sample ID:	Sample #2 (3393-3)	**Lab ID:**	2012343-3
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/3/2020	**Percent Moisture:**	16.0

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.12	MG/KG	1	0.063	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/18/2020**		PrepBy: **TXS**
ARSENIC	**5.4**		**0.23**	**MG/KG**	10	0.056	12/21/2020 17:38
SELENIUM	**0.93**	J	**1.1**	**MG/KG**	10	0.23	12/21/2020 17:38
MERCURY			**SW7471**		Prep Date: **12/21/2020**		PrepBy: **JRS**
MERCURY	**0.016**	J	**0.038**	**MG/KG**	1	0.000068	12/23/2020 11:38

SAMPLE SUMMARY REPORT

Client: eAnalytics Laboratory
Date: *30-Dec-20*
Project: Summit Mid Stream 1
Work Order: 2012343
Sample ID: Sample #3 (3393-4)
Lab ID: 2012343-4
Legal Location:
Matrix: SOIL
Collection Date: 12/7/2020
Percent Moisture: 16.3

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.12	MG/KG	1	0.064	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/18/2020**		PrepBy: **TXS**
ARSENIC	**4.5**		**0.23**	**MG/KG**	10	0.057	12/21/2020 17:41
SELENIUM	**0.87**	J	**1.2**	**MG/KG**	10	0.23	12/21/2020 17:41
MERCURY			**SW7471**		Prep Date: **12/21/2020**		PrepBy: **JRS**
MERCURY	**0.081**		**0.036**	**MG/KG**	1	0.000065	12/23/2020 11:41

SAMPLE SUMMARY REPORT

Client:	eAnalytics Laboratory	**Date:**	*30-Dec-20*
Project:	Summit Mid Stream 1	**Work Order:**	2012343
Sample ID:	Sample #5 (3393-5)	**Lab ID:**	2012343-5
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/4/2020	**Percent Moisture:**	11.6

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.061	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/18/2020**		PrepBy: **TXS**
ARSENIC	**4.5**		**0.22**	**MG/KG**	10	0.053	12/21/2020 17:44
SELENIUM	**0.97**	J	**1.1**	**MG/KG**	10	0.22	12/21/2020 17:44
MERCURY			**SW7471**		Prep Date: **12/21/2020**		PrepBy: **JRS**
MERCURY	**0.021**	J	**0.037**	**MG/KG**	1	0.000066	12/23/2020 11:47

Client:	eAnalytics Laboratory	**Date:**	*30-Dec-20*
Project:	Summit Mid Stream 1	**Work Order:**	2012343
Sample ID:	Baseline Sample (3393-6)	**Lab ID:**	2012343-6
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/8/2020	**Percent Moisture:**	7.1

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.057	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/18/2020**		PrepBy: **TXS**
ARSENIC	**9.3**		**0.21**	**MG/KG**	10	0.052	12/21/2020 18:14
SELENIUM	**1.1**		**1.1**	**MG/KG**	10	0.21	12/21/2020 18:14
MERCURY			**SW7471**		Prep Date: **12/21/2020**		PrepBy: **JRS**
MERCURY	**0.028**	J	**0.032**	**MG/KG**	1	0.000058	12/23/2020 11:49

Client:	eAnalytics Laboratory	**Date:**	*30-Dec-20*
Project:	Summit Mid Stream 1	**Work Order:**	2012343
Sample ID:	Baseline Sample (3393-6)	**Lab ID:**	2012343-6
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/8/2020	**Percent Moisture:**	7.1

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed

Explanation of Qualifiers

Radiochemistry:

- "Report Limit" is the MDC
U or ND - Result is less than the sample specific MDC.
Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
Y2 - Chemical Yield outside default limits.
W - DER is greater than Warning Limit of 1.42
* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
# - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
G - Sample density differs by more than 15% of LCS density.
D - DER is greater than Control Limit
M - Requested MDC not met.
M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
L - LCS Recovery below lower control limit.
H - LCS Recovery above upper control limit.
P - LCS, Matrix Spike Recovery within control limits.
N - Matrix Spike Recovery outside control limits
NC - Not Calculated for duplicate results less than 5 times MDC
B - Analyte concentration greater than MDC.
B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
U or ND - Indicates that the compound was analyzed for but not detected.
E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
M - Duplicate injection precision was not met.
N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
* - Duplicate analysis (relative percent difference) not within control limits.
S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.
B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
E - Analyte concentration exceeds the upper level of the calibration range.
J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
A - A tentatively identified compound is a suspected aldol-condensation product.
X - The analyte was diluted below an accurate quantitation level.
* - The spike recovery is equal to or outside the control criteria used.
+ - The relative percent difference (RPD) equals or exceeds the control criteria.
G - A pattern resembling gasoline was detected in this sample.
D - A pattern resembling diesel was detected in this sample.
M - A pattern resembling motor oil was detected in this sample.
C - A pattern resembling crude oil was detected in this sample.
4 - A pattern resembling JP-4 was detected in this sample.
5 - A pattern resembling JP-5 was detected in this sample.
H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
- gasoline
- JP-8
- diesel
- mineral spirits
- motor oil
- Stoddard solvent
- bunker C

ALS -- Fort Collins

Date: *12/30/2020 9:20*

Client: eAnalytics Laboratory

Work Order: 2012343

Project: Summit Mid Stream 1

QC BATCH REPORT

Batch ID: **HG201221-1-1** Instrument ID **CETAC7500** Method: **SW7471**

LCS Sample ID: **HG201221-1** Units: **MG/KG** Analysis Date: **12/23/2020 11:11**

Client ID: Run ID: **HG201223-1A2** Prep Date: **12/21/2020** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
MERCURY	0.169	0.0333	0.167		101	80-120				20	

LCSD Sample ID: **HG201221-1** Units: **MG/KG** Analysis Date: **12/23/2020 11:13**

Client ID: Run ID: **HG201223-1A2** Prep Date: **12/21/2020** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
MERCURY	0.168	0.0333	0.167		101	80-120		0.169	0	20	

MB Sample ID: **HG201221-1** Units: **MG/KG** Analysis Date: **12/23/2020 11:09**

Client ID: Run ID: **HG201223-1A2** Prep Date: **12/21/2020** DF: **1**

Analyte	Result	ReportLimit	MDL	Qual
MERCURY	-0.00041	0.033	0.00006	J

The following samples were analyzed in this batch:

2012343-1	2012343-2	2012343-3
2012343-4	2012343-5	2012343-6

Client: eAnalytics Laboratory
Work Order: 2012343
Project: Summit Mid Stream 1

QC BATCH REPORT

Batch ID: **IP201218-2-1** Instrument ID **ICPMS2** Method: **SW6020**

LCS Sample ID: **IM201218-2** Units: **MG/KG** Analysis Date: **12/21/2020 17:18**
Client ID: Run ID: **IM201221-10A16** Prep Date: **12/18/2020** DF: **10**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
ARSENIC	9.6	0.2	10		96	80-120				20	
SELENIUM	9.76	1	10		98	80-120				20	

MB Sample ID: **IP201218-2** Units: **MG/KG** Analysis Date: **12/21/2020 17:15**
Client ID: Run ID: **IM201221-10A16** Prep Date: **12/18/2020** DF: **10**

Analyte	Result	ReportLimit	MDL	Qual
ARSENIC	ND	0.2	0.049	
SELENIUM	ND	1	0.2	

MS Sample ID: **2012343-5** Units: **MG/KG** Analysis Date: **12/21/2020 18:02**
Client ID: **Sample #5 (3393-5)** Run ID: **IM201221-10A16** Prep Date: **12/18/2020** DF: **10**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
ARSENIC	14.1	0.216	10.8	4.5	89	75-125				20	
SELENIUM	11.1	1.08	10.8	0.97	94	75-125				20	

MSD Sample ID: **2012343-5** Units: **MG/KG** Analysis Date: **12/21/2020 18:05**
Client ID: **Sample #5 (3393-5)** Run ID: **IM201221-10A16** Prep Date: **12/18/2020** DF: **10**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
ARSENIC	14.5	0.216	10.8	4.5	92	75-125		14.1	3	20	
SELENIUM	10.8	1.08	10.8	0.97	91	75-125		11.1	3	20	

The following samples were analyzed in this batch:

2012343-1	2012343-2	2012343-3
2012343-4	2012343-5	2012343-6

Client: eAnalytics Laboratory
Work Order: 2012343
Project: Summit Mid Stream 1

QC BATCH REPORT

Batch ID: **CR201223-1-1** Instrument ID **Spec** Method: **SW7196**

LCS Sample ID: **CR201223-1** Units: **MG/KG** Analysis Date: **12/23/2020**
Client ID: Run ID: **CR201223-1a2** Prep Date: **12/23/2020** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
CHROMIUM VI	2.96	0.1	3		99	80-120				20	

MB Sample ID: **CR201223-1** Units: **MG/KG** Analysis Date: **12/23/2020**
Client ID: Run ID: **CR201223-1a2** Prep Date: **12/23/2020** DF: **1**

Analyte	Result	ReportLimit	MDL	Qual
CHROMIUM VI	ND	0.1	0.054	

MS Sample ID: **2012343-1** Units: **MG/KG** Analysis Date: **12/23/2020**
Client ID: **Background Sample (3393-1)** Run ID: **CR201223-1a2** Prep Date: **12/23/2020** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
CHROMIUM VI	1.07	0.112	1.12	0.11	96	75-125				20	

MSD Sample ID: **2012343-1** Units: **MG/KG** Analysis Date: **12/23/2020**
Client ID: **Background Sample (3393-1)** Run ID: **CR201223-1a2** Prep Date: **12/23/2020** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
CHROMIUM VI	1.03	0.111	1.11	0.11	93	75-125		1.07	4	20	

The following samples were analyzed in this batch:

2012343-1	2012343-2	2012343-3
2012343-4	2012343-5	2012343-6

Test Report

eANALYTICS LABORATORY

December 23, 2020

Client:	Aspen Environmental Field Services
Project:	Summit Midstream / C15W Cleanup
Lab ID:	3393
Date Samples Received:	12/11/2020

Sample Condition:	The samples arrived intact and in appropriate sample containers. The samples were received within the temperature range specified in the test method(s) and/or with thermal preservation in process.
Comments:	The test items listed immediately below were analyzed by another laboratory. A separate report with those results will follow upon completion.

Analysis of:	Performed By:
Total Arsenic	ALS Laboratories-Fort Collins, CO
Total Mercury	
Total Selenium	
Total Hexavalent Chromium	

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you.

Chris Dieken
QA Manager

Todd Rhea
Lab Manager

eANALYTICS LABORATORY

Chain of Custody Form

eANALYTICS LABORATORY

4130 Clydesdale Pkwy, Loveland, CO 80538 | Phone: (970) 667-6975 | Fax: (970) 669-0941 | www.eAnalyticsLab.com

CLIENT INFORMATION
(*New Clients please fill out completely)

Company:	Aspen Environmental F.S.
Project:	Summit Midstream / C15W Cleanup
Project Manager:	Criss Duncan ccduncan@aspenefs.com
Sampler:	Troy Portnoff
Phone/Email:	(541) 891-4595 tportnoff@aspenefs.com
Address:	1685 17 Rd Loma, CO. 81524
Billing Contact:	Lucy Baley Lcullen@aspenefs.com

ANALYSIS INFORMATION
(Select analysis by checking box on corresponding sample line)

Lab ID	Sample Name	Sampling Date/Time	Number of Containers	Matrix: (S) Soil (W) Water (V) Vapor (O) Other	BTEX GRO (EPA 8260)	DRO (EPA 8015)	PAH's (EPA 8270-SIM)	SAR (US Dept of Ag Method 20B)	EC (US Dept of Ag Method 3)	pH (EPA 9045D)	Metals - Table 910 List (EPA 6010)	Other Analysis
1	Background Sample	12/03/2020 1200 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
2	Sample #1	12/03/2020 1200 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
3	Sample #2	12/03/2020 1200 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
4	Sample #3	12/07/2020 1200 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
5	Sample #5	12/04/2020 1200 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
6	Baseline Sample	12/08/2020 1200 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	

Comments:

Turnaround Time (Business Days)
TAT begins when sample is received by eANALYTICS

- ☒ Normal (5-10 Days)
- ○ 3 Day (1.25x)
- ○ 2 Day (1.5x)
- ○ 1 Day (2x)
- ○ Same Day (3x)

Rush analysis requires an extra charge. If possible please inform eANALYTICS in advance for rush analysis.

For eANALYTICS Use

Samples Received Intact		Yes / No
Received Within Temperature Range (2-6°C)		Yes / No
Sample Preservative	Ice / None	Acid / Other

Record of Custody

Relinquished by:		Date	
Company:		Time	AM / PM
Received by:		Date	
Company:		Time	AM / PM
Relinquished by:	Troy Portnoff	Date	12/9/2020
Company:	Aspen Environmental Field Services	Time	1000 AM / PM
Received by:	Morgan Way	Date	12/11/20
Company:	eANALYTICS	Time	1021 AM / PM

WO # 3393

eANALYTICS: Environmental testing made Easy

Page 1 of 1

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3393
Project:	Summit Midstream / C15W Cleanup		
Analysis:	BTEX/TPH-TVPH (Volatile Organics)	Method:	EPA8260

Sample Name	Benzene mg/kg	Toluene mg/kg	Ethyl-Benzene mg/kg	Total Xylenes mg/kg	TPH-TVPH mg/kg	Date Sampled	Date Analyzed	Lab ID
Background Sample	<0.050	<0.050	<0.050	<0.050	<50.0	12/03/20	12/11/20	3393 1
Sample #1	<0.050	<0.050	<0.050	<0.050	<50.0	12/03/20	12/11/20	3393 2
Sample #2	<0.050	<0.050	<0.050	<0.050	<50.0	12/03/20	12/11/20	3393 3
Sample #3	<0.050	<0.050	<0.050	0.061	<50.0	12/07/20	12/11/20	3393 4
Sample #5	<0.050	<0.050	<0.050	<0.050	<50.0	12/04/20	12/17/20	3393 5
Baseline Sample	<0.050	<0.050	<0.050	<0.050	<50.0	12/08/20	12/17/20	3393 6

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3393
Project:	Summit Midstream / C15W Cleanup		
Analysis:	TPH-TEPH	Method:	EPA8015

Sample Name	TPH-TEPH mg/kg	Date Sampled	Date Analyzed	Lab ID
Background Sample	<50.0	12/03/20	12/22/20	3393 1
Sample #1	<50.0	12/03/20	12/22/20	3393 2
Sample #2	<50.0	12/03/20	12/22/20	3393 3
Sample #3	<50.0	12/07/20	12/22/20	3393 4
Sample #5	<50.0	12/04/20	12/22/20	3393 5
Baseline Sample	<50.0	12/08/20	12/22/20	3393 6

L A B O R A T O R Y

Client:	Aspen Environmental Field Services	Lab ID:	3393
Project:	Summit Midstream / C15W Cleanup		
Analysis:	SAR-Soil	Method:	USDA 60 (20B)m

Sample Name	SAR	Date Sampled	Date Analyzed	Lab ID
Background Sample	0.80	12/03/20	12/17/20	3393 1
Sample #1	1.96	12/03/20	12/17/20	3393 2
Sample #2	0.75	12/03/20	12/17/20	3393 3
Sample #3	0.91	12/07/20	12/17/20	3393 4
Sample #5	0.54	12/04/20	12/17/20	3393 5
Baseline Sample	0.99	12/08/20	12/17/20	3393 6

L A B O R A T O R Y

Client:	Aspen Environmental Field Services	Lab ID:	3393
Project:	Summit Midstream / C15W Cleanup		
Analysis:	Electrical Conductivity-Soil	Method:	USDA 60 (3)m

Sample Name	EC mmhos/cm	Date Sampled	Date Analyzed	Lab ID
Background Sample	0.408	12/03/20	12/11/20	3393 1
Sample #1	0.880	12/03/20	12/11/20	3393 2
Sample #2	0.556	12/03/20	12/11/20	3393 3
Sample #3	0.396	12/07/20	12/11/20	3393 4
Sample #5	0.540	12/04/20	12/11/20	3393 5
Baseline Sample	0.288	12/08/20	12/11/20	3393 6

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3393
Project:	Summit Midstream / C15W Cleanup		
Analysis:	pH-Soil	Method:	EPA9045D

Sample Name	pH	Date Sampled	Date Analyzed	Lab ID
Background Sample	7.5	12/03/20	12/15/20	3393 1
Sample #1	7.6	12/03/20	12/15/20	3393 2
Sample #2	7.7	12/03/20	12/15/20	3393 3
Sample #3	8.1	12/07/20	12/15/20	3393 4
Sample #5	7.8	12/04/20	12/15/20	3393 5
Baseline Sample	7.9	12/08/20	12/15/20	3393 6

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3393
Project:	Summit Midstream / C15W Cleanup		
Analysis:	Table 910 Metals-1	Method:	EPA6010

Sample Name	Ba - Barium mg/kg	B - Boron mg/kg	Cd - Cadmium mg/kg	Cr - Chromium mg/kg	Cu - Copper mg/kg	Pb - Lead mg/kg	Ni - Nickel mg/kg	Date Sampled	Date Analyzed	Lab ID
Background Sample	172	<1.5	<0.5	4.48	2.56	5.37	8.78	12/03/20	12/17/20	3393 1
Sample #1	100	<1.5	<0.5	0.520	<0.6	<0.6	4.88	12/03/20	12/17/20	3393 2
Sample #2	71.0	<1.5	<0.5	<0.5	<0.6	<0.6	0.613	12/03/20	12/17/20	3393 3
Sample #3	33.3	<1.5	<0.5	<0.5	<0.6	<0.6	2.66	12/07/20	12/17/20	3393 4
Sample #5	72.2	<1.5	<0.5	<0.5	<0.6	<0.6	0.641	12/04/20	12/17/20	3393 5
Baseline Sample	84.5	<1.5	0.792	0.749	1.50	1.17	5.63	12/08/20	12/17/20	3393 6

L A B O R A T O R Y

Client: Aspen Environmental Field Services

Lab ID: 3393

Project: Summit Midstream / C15W Cleanup

Analysis: Table 910 Metals-2

Method: EPA6010

Sample Name	Ag - Silver mg/kg	Zn - Zinc mg/kg	Date Sampled	Date Analyzed	Lab ID
Background Sample	<5.0	10.1	12/03/20	12/17/20	3393 1
Sample #1	<5.0	1.62	12/03/20	12/17/20	3393 2
Sample #2	<5.0	<0.5	12/03/20	12/17/20	3393 3
Sample #3	<5.0	<0.5	12/07/20	12/17/20	3393 4
Sample #5	<5.0	<0.5	12/04/20	12/17/20	3393 5
Baseline Sample	<5.0	4.40	12/08/20	12/17/20	3393 6

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Background Sample
		Lab ID:	3393 1
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/3/2020
		Date Extracted:	12/18/2020
		Date Analyzed:	12/19/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	78	2-Fluorobiphenyl (60%-140%)	79
2,4,6 Tribromophenol (60%-140%)	89	p-Terphenyl-d14 (60%-140%)	75

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #1
		Lab ID:	3393 2
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/3/2020
		Date Extracted:	12/18/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	79	2-Fluorobiphenyl (60%-140%)	80
2,4,6 Tribromophenol (60%-140%)	85	p-Terphenyl-d14 (60%-140%)	73

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #2
		Lab ID:	3393 3
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/3/2020
		Date Extracted:	12/18/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	82	2-Fluorobiphenyl (60%-140%)	81
2,4,6 Tribromophenol (60%-140%)	98	p-Terphenyl-d14 (60%-140%)	75

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

Client:	Aspen Environmental Field Services	Sample Name:	Sample #3
		Lab ID:	3393 4
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/7/2020
		Date Extracted:	12/18/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	85	2-Fluorobiphenyl (60%-140%)	81
2,4,6 Tribromophenol (60%-140%)	82	p-Terphenyl-d14 (60%-140%)	76

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #5
		Lab ID:	3393 5
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/4/2020
		Date Extracted:	12/18/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	78	2-Fluorobiphenyl (60%-140%)	81
2,4,6 Tribromophenol (60%-140%)	86	p-Terphenyl-d14 (60%-140%)	73

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Baseline Sample
		Lab ID:	3393 6
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/8/2020
		Date Extracted:	12/18/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	78	2-Fluorobiphenyl (60%-140%)	82
2,4,6 Tribromophenol (60%-140%)	84	p-Terphenyl-d14 (60%-140%)	76

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

Quality Control - Surrogate Recoveries

eANALYTICS
LABORATORY

Client: Aspen Environmental Field Services

Lab ID: 3393

Project: Summit Midstream / C15W Cleanup

Method: EPA8260

Sample Name	Dibromo-fluoromethane % Recovery	1,2 Dichloro-ethane-D4 % Recovery	Toluene-D8 % Recovery	4-Bromo-fluorobenzene % Recovery	Date Sampled	Date Analyzed	Lab ID	
Background Sample	98	105	101	92	12/03/20	12/11/20	3393	1
Sample #1	101	105	101	90	12/03/20	12/11/20	3393	2
Sample #2	102	104	93	93	12/03/20	12/11/20	3393	3
Sample #3	100	106	100	96	12/07/20	12/11/20	3393	4
Sample #5	98	90	74	90	12/04/20	12/17/20	3393	5
Baseline Sample	98	99	101	85	12/08/20	12/17/20	3393	6

eANALYTICS LABORATORY

Client: Aspen Environmental Field Services Lab ID: 3393

Project: Summit Midstream / C15W Cleanup

Soil		Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TPH-TVPH	QC Start Date
Method Blank		<0.010	<0.010	<0.010	<0.010	<50.0	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Lab Control Sample	70%-130%	98	86	91	92	98	12/11/20
		109	104	107	105	104	12/17/20

Soil		TPH-TEPH	QC Start Date
Method Blank		<50.0	
		mg/kg	
Lab Control Sample	70%-130%	104	12/22/20

Thursday, December 31, 2020

eAnalytics Laboratory
eAnalytics Laboratory
4130 Clydesdale Parkway
Loveland, CO 80538

Re: ALS Workorder: 2012404
Project Name: Summit Midstream / C15W Cleanup
Project Number:

Dear Laboratory:

Thirteen soil samples were received from eAnalytics Laboratory, on 12/18/2020. The samples were scheduled for the following analyses:

Inorganics
Metals

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

ALS Environmental
Katie M. OBrien
Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

ALS Environmental – Fort Collins	
Accreditation Body	License or Certification Number
Alaska (AK)	17-003
Arizona (AZ)	AZ0742
California (CA)	2926
Colorado (CO)	CO01099
Florida (FL)	E87914
Idaho (ID)	CO01099
Kansas (KS)	E-10381
Kentucky (KY)	90137
PJ-LA (DoD ELAP/ISO 170250)	95377
Maryland (MD)	285
Missouri (MO)	175
Nebraska(NE)	NE-OS-24-13
Nevada (NV)	CO010992018-1
New York (NY)	12036
North Dakota (ND)	R-057
Oklahoma (OK)	1301
Pennsylvania (PA)	68-03116
Tennessee (TN)	TN02976
Texas (TX)	T104704241
Utah (UT)	CO01099
Washington (WA)	C1280

2012404

Metals:
The samples were analyzed following SW-846, 3rd Edition procedures. Analysis by ICPMS followed method 6020B and the current revision of SOP 827. Mercury analysis by CVAA followed method 7471A and the current revision of SOP 812.

All acceptance criteria were met.

Inorganics:
The samples were analyzed following SW-846 procedures for the current revision of the following SOP and method:

Analyte	Method	SOP #
Hexavalent chromium	7196A	1122

All acceptance criteria were met.

ALS -- Fort Collins

Sample Number(s) Cross-Reference Table

OrderNum: 2012404
Client Name: eAnalytics Laboratory
Client Project Name: Summit Midstream / C15W Cleanup
Client Project Number:
Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
Sample #1 North Trench Floor (5	2012404-1		SOIL	14-Dec-20	10:00
Sample #2 North Trench S. Wall	2012404-2		SOIL	14-Dec-20	10:05
Sample #3 North Trench N. Wall	2012404-3		SOIL	14-Dec-20	10:10
Sample #4 East Floor (G) (3422-	2012404-4		SOIL	14-Dec-20	10:15
Sample #5 West Floor (G) (3422-	2012404-5		SOIL	14-Dec-20	10:20
Sample #6 West Wall South (G) (	2012404-6		SOIL	14-Dec-20	10:25
Sample #7 West Wall North (G) (	2012404-7		SOIL	14-Dec-20	10:30
Sample #8 East Wall (G) (3422-8	2012404-8		SOIL	14-Dec-20	10:35
Sample #9 South Wall East (G) (	2012404-9		SOIL	14-Dec-20	10:40
Sample #10 South Wall West (G)	2012404-10		SOIL	14-Dec-20	10:45
Sample #11 North Wall East (G) (	2012404-11		SOIL	14-Dec-20	10:50
Sample #12 North Wall West (G)	2012404-12		SOIL	14-Dec-20	10:55
Background (Fill Slope) (3422-13)	2012404-13		SOIL	15-Dec-20	14:00

ALS Environmental

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

Form 202r8

WORKORDER #	2012454				
SAMPLER		DATE	12/18/2020	PAGE	1 of 2
PROJECT NAME	Summit Midstream / C15W Cleanup	SITE ID		TURNAROUND	Standard
DISPOSAL	By Lab or Return to Client				
PROJECT No.		EDD FORMAT			
		PURCHASE ORDER			
COMPANY NAME	eAnalytics Laboratory	BILL TO COMPANY			
SEND REPORT TO	See comments	INVOICE ATTN TO			
ADDRESS	4130 Clydesdale Pkwy	ADDRESS			
CITY / STATE / ZIP	Loveland, CO 80538	CITY / STATE / ZIP			
PHONE	970-667-6975	PHONE			
FAX	970-669-0941	FAX			
E-MAIL	See comments	E-MAIL			

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Total Selenium	Total Mercury	Total Arsenic	Total Hexavalent Chromium
1	Sample #1 North Trench Floor (5C) (3422-1)	Soil	14-Dec	1000	1			X	X	X	X
2	Sample #2 North Trench S. Wall (5C) (3422-2)	Soil	14-Dec	1005	1			X	X	X	X
3	Sample #3 North Trench N. Wall (5C) (3422-3)	Soil	14-Dec	1010	1			X	X	X	X
4	Sample #4 East Floor (G) (3422-4)	Soil	14-Dec	1015	1			X	X	X	X
5	Sample #5 West Floor (G) (3422-5)	Soil	14-Dec	1020	1			X	X	X	X
6	Sample #6 West Wall South (G) (3422-6)	Soil	14-Dec	1025	1			X	X	X	X
7	Sample #7 West Wall North (G) (3422-7)	Soil	14-Dec	1030	1			X	X	X	X
8	Sample #8 East Wall (G) (3422-8)	Soil	14-Dec	1035	1			X	X	X	X
9	Sample #9 South Wall East (G) (3422-9)	Soil	14-Dec	1040	1			X	X	X	X
10	Sample #10 South Wall West (G) (3422-10)	Soil	14-Dec	1045	1			X	X	X	X

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below. 5.3°C

Comments:

Please send all reports and invoices to the following:

cdieken@eanalyticslab.com

trhea@eanalyticslab.com

mray@eanalyticslab.com

QC PACKAGE (check below)	
	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY				
RECEIVED BY	[signature]	Tyler Mosser	12/18/20	1000
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental

225 Commerce Drive, Fort Collins, Colorado 80524
TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

Form 202r8

WORKORDER #	2012404
PAGE	2 of 2
DISPOSAL	By Lab or Return to Client

PROJECT NAME	Summit Midstream / C15W Cleanup	SAMPLER	
PROJECT No.		SITE ID	
		EDD FORMAT	
		PURCHASE ORDER	
COMPANY NAME	eAnalytics Laboratory	BILL TO COMPANY	
SEND REPORT TO	See comments	INVOICE ATTN TO	
ADDRESS	4130 Clydesdale Pkwy	ADDRESS	
CITY / STATE / ZIP	Loveland, CO 80538	CITY / STATE / ZIP	
PHONE	970-667-6975	PHONE	
FAX	970-669-0941	FAX	
E-MAIL	See comments	E-MAIL	

DATE	12/18/2020
TURNAROUND	Standard

Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	Total Selenium	Total Mercury	Total Arsenic	Total Hexavalent Chromium
11	Sample #11 North Wall East (G) (3422-11)	Soil	14-Dec	1050	1			x	x	x	x
12	Sample #12 North Wall West (G) (3422-12)	Soil	14-Dec	1055	1			x	x	x	x
13	Background (Fill Slope) (3422-13)	Soil	15-Dec	1400	1			x	x	x	x

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments:

Please send all reports and invoices to the following:

cdieken@eanalyticslab.com

trhea@eanalyticslab.com

mray@eanalyticslab.com

QC PACKAGE (check below)	
	LEVEL II (Standard QC)
	LEVEL III (Std QC + forms)
	LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

	SIGNATURE	PRINTED NAME	DATE	TIME
RELINQUISHED BY				
RECEIVED BY	[signature]	Tyler Mossor	12/18/20	1600
RELINQUISHED BY				
RECEIVED BY				
RELINQUISHED BY				
RECEIVED BY				

ALS Environmental - Fort Collins
CONDITION OF SAMPLE UPON RECEIPT FORM

Client Name/ID:	eAnalytics.	Workorder No:	2012404
Project Manager:	KMO	Initials: TM	Date: 12/18/20

1. Are airbills / shipping documents present and/or removable?	☑ Drop Off	☐ YES	☐ NO
2. Are custody seals on **shipping** containers intact?	☑ NONE	☐ YES	☐ NO*
3. Are custody seals on **sample** containers intact?	☑ NONE	☐ YES	☐ NO*
4. Is there a COC (chain-of-custody) present?		☑ YES	☐ NO*
5. Is the COC in agreement with samples received? (IDs, dates, times, # of samples, # of containers, matrix, requested analyses, etc.)		☑ YES	☐ NO*
6. Are short-hold samples present?		☐ YES	☑ NO
7. Are all samples within holding times for the requested analyses?		☑ YES	☐ NO*
8. Were all sample containers received intact? (not broken or leaking)		☑ YES	☐ NO*
9. Is there sufficient sample for the requested analyses?		☑ YES	☐ NO*
10. Are samples in proper containers for requested analyses? (form 250, *Sample Handling Guidelines*)		☑ YES	☐ NO*
11. Are all aqueous samples preserved correctly, if required?	☑ N/A	☐ YES	☐ NO*
12. Were unpreserved samples pH checked, if required?	☑ N/A	☐ YES	☐ NO
13. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, radon) free of bubbles > 6 mm in diameter?	☑ N/A	☐ YES	☐ NO
14. Were the samples shipped on ice?		☑ YES	☐ NO
15. Were cooler temperatures measured at 0.1 - 6.0°C? IR gun used+: ☐ #3 ☑ #5	☐ Rad Only	☑ YES	☐ NO

Cooler #:	1
Temperature (°C):	5.3
# of custody seals on cooler:	0
External mR/hr reading:	-
Background mR/hr reading:	9

Were external mR/hr readings ≤ two times background and within DOT acceptance criteria? (If no, see Form 008) ☑ N/A ☐ YES ☐ NO

* Please provide details below for 'NO' responses in gray boxes above - for 2 thru 5 & 7 thru 12, notify PM & continue w/ login.

All client bottle ID's vs ALS lab ID's double-checked by: TM

If applicable, was the client contacted? ☐ YES ☐ N/A Contact Name Date:

Project Manager Signature / Date: [signature] 12/21/20

Form 201r30.xls
(06/04/2020)

+IR Gun #3, VWR SN 170647571
+IR Gun #5, VWR SN 192272629

SAMPLE SUMMARY REPORT

Client:	eAnalytics Laboratory	**Date:**	*31-Dec-20*
Project:	Summit Midstream / C15W Cleanup	**Work Order:**	2012404
Sample ID:	Sample #1 North Trench Floor (5C) (3422-1)	**Lab ID:**	2012404-1
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/14/2020 10:00	**Percent Moisture:**	16.4

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.12	MG/KG	1	0.065	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**5200**		**220**	**UG/KG**	10	54	12/21/2020 18:38
SELENIUM	**1200**		**1100**	**UG/KG**	10	220	12/21/2020 18:38
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.018**	J	**0.038**	**MG/KG**	1	0.000068	12/31/2020 09:39

SAMPLE SUMMARY REPORT

Client: eAnalytics Laboratory
Date: *31-Dec-20*
Project: Summit Midstream / C15W Cleanup
Work Order: 2012404
Sample ID: Sample #2 North Trench S. Wall (5C) (3422-2)
Lab ID: 2012404-2
Legal Location:
Matrix: SOIL
Collection Date: 12/14/2020 10:05
Percent Moisture: 8.1

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.057	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**4600**		**210**	**UG/KG**	10	52	12/21/2020 18:55
SELENIUM	**1000**	J	**1100**	**UG/KG**	10	210	12/21/2020 18:55
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.025**	J	**0.034**	**MG/KG**	1	0.000061	12/31/2020 09:45

SAMPLE SUMMARY REPORT

Client:	eAnalytics Laboratory	**Date:**	*31-Dec-20*
Project:	Summit Midstream / C15W Cleanup	**Work Order:**	2012404
Sample ID:	Sample #3 North Trench N. Wall (5C) (3422-3)	**Lab ID:**	2012404-3
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/14/2020 10:10	**Percent Moisture:**	8.2

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.058	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**4700**		**210**	**UG/KG**	10	52	12/21/2020 18:58
SELENIUM	**830**	J	**1100**	**UG/KG**	10	210	12/21/2020 18:58
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.025**	J	**0.034**	**MG/KG**	1	0.000062	12/31/2020 09:47

SAMPLE SUMMARY REPORT

Client: eAnalytics Laboratory
Date: *31-Dec-20*
Project: Summit Midstream / C15W Cleanup
Work Order: 2012404
Sample ID: Sample #4 East Floor (G) (3422-4)
Lab ID: 2012404-4
Legal Location:
Matrix: SOIL
Collection Date: 12/14/2020 10:15
Percent Moisture: 19.2

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.12	MG/KG	1	0.067	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**4200**		**230**	**UG/KG**	10	56	12/21/2020 19:01
SELENIUM	**850**	J	**1100**	**UG/KG**	10	230	12/21/2020 19:01
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.021**	J	**0.038**	**MG/KG**	1	0.000069	12/31/2020 09:49

SAMPLE SUMMARY REPORT

Client:	eAnalytics Laboratory	**Date:**	*31-Dec-20*
Project:	Summit Midstream / C15W Cleanup	**Work Order:**	2012404
Sample ID:	Sample #5 West Floor (G) (3422-5)	**Lab ID:**	2012404-5
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/14/2020 10:20	**Percent Moisture:**	16.7

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.12	MG/KG	1	0.063	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**7900**		**240**	**UG/KG**	10	58	12/21/2020 19:16
SELENIUM	**820**	J	**1200**	**UG/KG**	10	240	12/21/2020 19:16
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.057**		**0.04**	**MG/KG**	1	0.000071	12/31/2020 09:51

SAMPLE SUMMARY REPORT

Client: eAnalytics Laboratory
Date: *31-Dec-20*
Project: Summit Midstream / C15W Cleanup
Work Order: 2012404
Sample ID: Sample #6 West Wall South (G) (3422-6)
Lab ID: 2012404-6
Legal Location:
Matrix: SOIL
Collection Date: 12/14/2020 10:25
Percent Moisture: 13.5

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.062	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**4000**		**200**	**UG/KG**	10	49	12/21/2020 19:19
SELENIUM	**840**	J	**1000**	**UG/KG**	10	200	12/21/2020 19:19
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.023**	J	**0.038**	**MG/KG**	1	0.000069	12/31/2020 09:54

SAMPLE SUMMARY REPORT

Client: eAnalytics Laboratory
Date: *31-Dec-20*
Project: Summit Midstream / C15W Cleanup
Work Order: 2012404
Sample ID: Sample #7 West Wall North (G) (3422-7)
Lab ID: 2012404-7
Legal Location:
Matrix: SOIL
Collection Date: 12/14/2020 10:30
Percent Moisture: 10.6

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.059	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**4700**		**220**	**UG/KG**	10	54	12/21/2020 19:22
SELENIUM	**950**	J	**1100**	**UG/KG**	10	220	12/21/2020 19:22
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.022**	J	**0.037**	**MG/KG**	1	0.000066	12/31/2020 09:56

SAMPLE SUMMARY REPORT

Client:	eAnalytics Laboratory	**Date:**	*31-Dec-20*
Project:	Summit Midstream / C15W Cleanup	**Work Order:**	2012404
Sample ID:	Sample #8 East Wall (G) (3422-8)	**Lab ID:**	2012404-8
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/14/2020 10:35	**Percent Moisture:**	8.4

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.057	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**5200**		**200**	**UG/KG**	10	49	12/21/2020 19:25
SELENIUM	**880**	J	**1000**	**UG/KG**	10	200	12/21/2020 19:25
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.023**	J	**0.033**	**MG/KG**	1	0.00006	12/31/2020 10:02

SAMPLE SUMMARY REPORT

Client:	eAnalytics Laboratory	**Date:**	*31-Dec-20*
Project:	Summit Midstream / C15W Cleanup	**Work Order:**	2012404
Sample ID:	Sample #9 South Wall East (G) (3422-9)	**Lab ID:**	2012404-9
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/14/2020 10:40	**Percent Moisture:**	15.0

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.061	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**4800**		**220**	**UG/KG**	10	53	12/21/2020 19:28
SELENIUM	**980**	J	**1100**	**UG/KG**	10	220	12/21/2020 19:28
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.016**	J	**0.038**	**MG/KG**	1	0.000068	12/31/2020 10:04

Client:	eAnalytics Laboratory	**Date:**	*31-Dec-20*
Project:	Summit Midstream / C15W Cleanup	**Work Order:**	2012404
Sample ID:	Sample #10 South Wall West (G) (3422-10)	**Lab ID:**	2012404-10
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/14/2020 10:45	**Percent Moisture:**	14.2

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.12	MG/KG	1	0.062	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**5200**		**220**	**UG/KG**	10	53	12/21/2020 19:31
SELENIUM	**1100**	J	**1100**	**UG/KG**	10	220	12/21/2020 19:31
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.017**	J	**0.038**	**MG/KG**	1	0.000068	12/31/2020 10:07

Client:	eAnalytics Laboratory	**Date:**	*31-Dec-20*
Project:	Summit Midstream / C15W Cleanup	**Work Order:**	2012404
Sample ID:	Sample #11 North Wall East (G) (3422-11)	**Lab ID:**	2012404-11
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/14/2020 10:50	**Percent Moisture:**	14.1

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.061	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**5000**		**220**	**UG/KG**	10	53	12/21/2020 19:34
SELENIUM	**1100**	J	**1100**	**UG/KG**	10	220	12/21/2020 19:34
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.016**	J	**0.038**	**MG/KG**	1	0.000068	12/31/2020 10:09

SAMPLE SUMMARY REPORT

Client: eAnalytics Laboratory
Date: *31-Dec-20*
Project: Summit Midstream / C15W Cleanup
Work Order: 2012404
Sample ID: Sample #12 North Wall West (G) (3422-12)
Lab ID: 2012404-12
Legal Location:
Matrix: SOIL
Collection Date: 12/14/2020 10:55
Percent Moisture: 10.9

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.11	MG/KG	1	0.06	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**4900**		**210**	**UG/KG**	10	52	12/21/2020 19:37
SELENIUM	**1200**		**1100**	**UG/KG**	10	210	12/21/2020 19:37
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.016**	J	**0.034**	**MG/KG**	1	0.000061	12/31/2020 10:11

SAMPLE SUMMARY REPORT

Client: eAnalytics Laboratory
Date: *31-Dec-20*
Project: Summit Midstream / C15W Cleanup
Work Order: 2012404
Sample ID: Background (Fill Slope) (3422-13)
Lab ID: 2012404-13
Legal Location:
Matrix: SOIL
Collection Date: 12/15/2020 14:00
Percent Moisture: 16.8

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed
HEXAVALENT CHROMIUM			**SW7196**		Prep Date: **12/23/2020**		PrepBy: **KJS**
CHROMIUM VI	ND		0.12	MG/KG	1	0.063	12/23/2020
ICPMS METALS			**SW6020**		Prep Date: **12/21/2020**		PrepBy: **JML**
ARSENIC	**4300**		**240**	**UG/KG**	10	58	12/21/2020 19:40
SELENIUM	**880**	J	**1200**	**UG/KG**	10	240	12/21/2020 19:40
MERCURY			**SW7471**		Prep Date: **12/28/2020**		PrepBy: **JRS**
MERCURY	**0.026**	J	**0.04**	**MG/KG**	1	0.000071	12/31/2020 10:13

Client:	eAnalytics Laboratory	**Date:**	*31-Dec-20*
Project:	Summit Midstream / C15W Cleanup	**Work Order:**	2012404
Sample ID:	Background (Fill Slope) (3422-13)	**Lab ID:**	2012404-13
Legal Location:		**Matrix:**	SOIL
Collection Date:	12/15/2020 14:00	**Percent Moisture:**	16.8

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	MDL	Date Analyzed

Explanation of Qualifiers

Radiochemistry:

- "Report Limit" is the MDC
U or ND - Result is less than the sample specific MDC.
Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.
Y2 - Chemical Yield outside default limits.
W - DER is greater than Warning Limit of 1.42
* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.
# - Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.
G - Sample density differs by more than 15% of LCS density.
D - DER is greater than Control Limit
M - Requested MDC not met.
M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
L - LCS Recovery below lower control limit.
H - LCS Recovery above upper control limit.
P - LCS, Matrix Spike Recovery within control limits.
N - Matrix Spike Recovery outside control limits
NC - Not Calculated for duplicate results less than 5 times MDC
B - Analyte concentration greater than MDC.
B3 - Analyte concentration greater than MDC but less than Requested MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).
U or ND - Indicates that the compound was analyzed for but not detected.
E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.
M - Duplicate injection precision was not met.
N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.
Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.
* - Duplicate analysis (relative percent difference) not within control limits.
S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.
B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
E - Analyte concentration exceeds the upper level of the calibration range.
J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
A - A tentatively identified compound is a suspected aldol-condensation product.
X - The analyte was diluted below an accurate quantitation level.
* - The spike recovery is equal to or outside the control criteria used.
+ - The relative percent difference (RPD) equals or exceeds the control criteria.
G - A pattern resembling gasoline was detected in this sample.
D - A pattern resembling diesel was detected in this sample.
M - A pattern resembling motor oil was detected in this sample.
C - A pattern resembling crude oil was detected in this sample.
4 - A pattern resembling JP-4 was detected in this sample.
5 - A pattern resembling JP-5 was detected in this sample.
H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
- gasoline
- JP-8
- diesel
- mineral spirits
- motor oil
- Stoddard solvent
- bunker C

Client: eAnalytics Laboratory

Work Order: 2012404

Project: Summit Midstream / C15W Cleanup

QC BATCH REPORT

Batch ID: **HG201228-1-1** Instrument ID **CETAC7500** Method: **SW7471**

LCS Sample ID: **HG201228-1** Units: **MG/KG** Analysis Date: **12/31/2020 09:15**

Client ID: Run ID: **HG201230-2A2** Prep Date: **12/28/2020** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
MERCURY	0.169	0.0333	0.167		101	80-120				20	

MB Sample ID: **HG201228-1** Units: **MG/KG** Analysis Date: **12/31/2020 09:13**

Client ID: Run ID: **HG201230-2A2** Prep Date: **12/28/2020** DF: **1**

Analyte	Result	ReportLimit	MDL	Qual
MERCURY	-0.00091	0.033	0.00006	J

MS Sample ID: **2012404-1** Units: **MG/KG** Analysis Date: **12/31/2020 09:41**

Client ID: **Sample #1 North Trench Floor (5C) (3422-1)** Run ID: **HG201230-2A2** Prep Date: **12/28/2020** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
MERCURY	0.404	0.0379	0.379	0.018	102	80-120				20	

MSD Sample ID: **2012404-1** Units: **MG/KG** Analysis Date: **12/31/2020 09:43**

Client ID: **Sample #1 North Trench Floor (5C) (3422-1)** Run ID: **HG201230-2A2** Prep Date: **12/28/2020** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
MERCURY	0.413	0.0382	0.382	0.018	104	80-120		0.404	2	20	

The following samples were analyzed in this batch:

2012404-1	2012404-2	2012404-3
2012404-4	2012404-5	2012404-6
2012404-7	2012404-8	2012404-9
2012404-10	2012404-11	2012404-12
2012404-13		

Client: eAnalytics Laboratory
Work Order: 2012404
Project: Summit Midstream / C15W Cleanup

QC BATCH REPORT

Batch ID: **IP201221-11-1** Instrument ID **ICPMS2** Method: **SW6020**

LCS Sample ID: **IM201221-11** Units: **UG/KG** Analysis Date: **12/21/2020 18:32**
Client ID: Run ID: **IM201221-10A16** Prep Date: **12/21/2020** DF: **10**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
ARSENIC	9420	200	10000		94	80-120				20	
SELENIUM	9690	1000	10000		97	80-120				20	

MB Sample ID: **IP201221-11** Units: **UG/KG** Analysis Date: **12/21/2020 18:29**
Client ID: Run ID: **IM201221-10A16** Prep Date: **12/21/2020** DF: **10**

Analyte	Result	ReportLimit	MDL	Qual
ARSENIC	ND	200	49	
SELENIUM	ND	1000	200	

MS Sample ID: **2012404-1** Units: **UG/KG** Analysis Date: **12/21/2020 18:43**
Client ID: **Sample #1 North Trench Floor (5C) (3422-1)** Run ID: **IM201221-10A16** Prep Date: **12/21/2020** DF: **10**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
ARSENIC	14200	221	11100	5200	82	75-125				20	
SELENIUM	11400	1110	11100	1200	92	75-125				20	

MSD Sample ID: **2012404-1** Units: **UG/KG** Analysis Date: **12/21/2020 18:46**
Client ID: **Sample #1 North Trench Floor (5C) (3422-1)** Run ID: **IM201221-10A16** Prep Date: **12/21/2020** DF: **10**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
ARSENIC	14600	220	11000	5200	85	75-125		14200	2	20	
SELENIUM	11100	1100	11000	1200	90	75-125		11400	3	20	

The following samples were analyzed in this batch:

2012404-1	2012404-2	2012404-3
2012404-4	2012404-5	2012404-6
2012404-7	2012404-8	2012404-9
2012404-10	2012404-11	2012404-12
2012404-13		

QC BATCH REPORT

Batch ID: **CR201223-1-1** Instrument ID **Spec** Method: **SW7196**

LCS Sample ID: **CR201223-1** Units: **MG/KG** Analysis Date: **12/23/2020**
Client ID: Run ID: **CR201223-1a2** Prep Date: **12/23/2020** DF: **1**

Analyte	Result	ReportLimit	SPK Val	SPK Ref Value	%REC	Control Limit	Decision Level	RPD Ref	RPD	RPD Limit	Qual
CHROMIUM VI	2.96	0.1	3		99	80-120				20	

MB Sample ID: **CR201223-1** Units: **MG/KG** Analysis Date: **12/23/2020**
Client ID: Run ID: **CR201223-1a2** Prep Date: **12/23/2020** DF: **1**

Analyte	Result	ReportLimit	MDL	Qual
CHROMIUM VI	ND	0.1	0.054	

The following samples were analyzed in this batch:

2012404-1	2012404-2	2012404-3
2012404-4	2012404-5	2012404-6
2012404-7	2012404-8	2012404-9
2012404-10	2012404-11	2012404-12
2012404-13		

Test Report

eANALYTICS LABORATORY

January 11, 2021

Client:	Aspen Environmental Field Services
Project:	Summit Midstream / C15W Cleanup
Lab ID:	3422
Date Samples Received:	12/18/2020

Sample Condition: The samples arrived intact and in appropriate sample containers. The samples were received within the temperature range specified in the test method(s) and/or with thermal preservation in process.

Comments: The test items listed immediately below were analyzed by another laboratory. A separate report with those results will follow upon completion.

Analysis of:	Performed By:
Total Selenium	ALS Laboratories-Fort Collins, CO
Total Mercury	
Total Arsenic	
Total Hexavalent Chromium	

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you.

Chris Dieken
QA Manager

Todd Rhea
Lab Manager

Chain of Custody

eANALYTICS LABORATORY

Chain of Custody Form

eANALYTICS LABORATORY

4130 Clydesdale Pkwy, Loveland, CO 80538 | Phone: (970) 667-6975 | Fax: (970) 669-0941 | www.eAnalyticsLab.com

CLIENT INFORMATION

(*New Clients please fill out completely)

Company:	Aspen Environmental F.S.
Project:	Summit Midstream / C15W Cleanup
Project Manager:	Criss Duncan ccduncan@aspenefs.com
Sampler:	Troy Portnoff
Phone/Email:	(541) 891-4595 tportnoff@aspenefs.com
Address:	1685 17 Rd Loma, CO. 81524
Billing Contact:	Lucy Baley Lcullen@aspenefs.com

ANALYSIS INFORMATION

(Select analysis by checking box on corresponding sample line)

Lab ID	Sample Name	Sampling Date/Time	Number of Containers	Matrix:(S) Soil (W) Water (V) Vapor (O) Other	BTEX GRO (EPA 8260)	DRO (EPA 8015)	PAH's (EPA 8270-SIM)	SAR (US Dept of Ag Method 20B)	EC (US Dept of Ag Method 3)	pH (EPA 9045D)	Metals - Table 910 List (EPA 6010)	Other Analysis
1	Sample #1 North Trench Floor (5C)	12/14/2020 1000 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
2	Sample #2 North Trench S. Wall (5C)	12/14/2020 1005 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
3	Sample #3 North Trench N. Wall (5C)	12/14/2020 1010 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
4	Sample #4 East Floor (G)	12/14/2020 1015 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
5	Sample #5 West Floor (G)	12/14/2020 1020 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
6	Sample #6 West Wall South (G)	12/14/2020 1025 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
7	Sample #7 West Wall North (G)	12/14/2020 1030 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
8	Sample #8 East Wall (G)	12/14/2020 1035 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
9	Sample #9 South Wall East (G)	12/14/2020 1040 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
10	Sample # 10 South Wall West (G)	12/14/2020 1045 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
11	Sample #11 North Wall East (G)	12/14/2020 1050 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
12	Sample #12 North Wall West (G)	12/14/2020 1055 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
13	Background (Fill Slope)	12/15/2020 1400hrs	1	S	☒	☒	☒	☒	☒	☒	☒	

Comments:

Turnaround Time (Business Days)

TAT begins when sample is received by eANALYTICS

- ☒ Normal (5-10 Days)
- ○ 3 Day (1.25x)
- ○ 2 Day (1.5x)
- ○ 1 Day (2x)
- ○ Same Day (3x)

Rush analysis requires an extra charge. If possible please inform eANALYTICS in advance for rush analysis.

For eANALYTICS Use

Samples Received Intact		Yes / No
Received Within Temperature Range (2-6°C)		Yes / No
Sample Preservative	Ice None	Acid Other

Record of Custody

Relinquished by: Shane Ewert	Date	12/16/2020
Company: Stealth Energy Group	Time	8:47 AM / PM
Received by: Troy Portnoff	Date	12/16/2020
Company: Aspen Environmental Field Services	Time	8:47 AM / PM
Relinquished by: Troy Portnoff	Date	12/17/2020
Company: Aspen Environmental Field Services	Time	8:00 AM / PM
Received by: Marguo Kay	Date	12/18/20
Company: eANALYTICS	Time	953 AM / PM

WO # 3422

eANALYTICS: Environmental testing made Easy

Page 1 of 1

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup		
Analysis:	BTEX/TPH-TVPH (Volatile Organics)	Method:	EPA8260

Sample Name	Benzene mg/kg	Toluene mg/kg	Ethyl-Benzene mg/kg	Total Xylenes mg/kg	TPH-TVPH mg/kg	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 1
Sample #2 North Trench S. Wall (5C)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 2
Sample #3 North Trench N. Wall (5C)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 3
Sample #4 East Floor (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 4
Sample #5 West Floor (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 5
Sample #6 West Wall South (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 6
Sample #7 West Wall North (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 7
Sample #8 East Wall (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 8
Sample #9 South Wall East (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 9
Sample #10 South Wall West (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 10
Sample #11 North Wall East (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 11
Sample #12 North Wall West (G)	<0.050	<0.050	<0.050	0.134	<50.0	12/14/20	12/18/20	3422 12
Background (Fill Slope)	<0.050	<0.050	<0.050	<0.050	<50.0	12/15/20	12/18/20	3422 13

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup		
Analysis:	TPH-TEPH	Method:	EPA8015

Sample Name	TPH-TEPH mg/kg	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	<50.0	12/14/20	12/23/20	3422 1
Sample #2 North Trench S. Wall (5C)	<50.0	12/14/20	12/23/20	3422 2
Sample #3 North Trench N. Wall (5C)	<50.0	12/14/20	12/23/20	3422 3
Sample #4 East Floor (G)	<50.0	12/14/20	12/23/20	3422 4
Sample #5 West Floor (G)	<50.0	12/14/20	12/23/20	3422 5
Sample #6 West Wall South (G)	<50.0	12/14/20	12/23/20	3422 6
Sample #7 West Wall North (G)	<50.0	12/14/20	12/23/20	3422 7
Sample #8 East Wall (G)	<50.0	12/14/20	12/23/20	3422 8
Sample #9 South Wall East (G)	<50.0	12/14/20	12/23/20	3422 9
Sample #10 South Wall West (G)	<50.0	12/14/20	12/23/20	3422 10
Sample #11 North Wall East (G)	<50.0	12/14/20	12/23/20	3422 11
Sample #12 North Wall West (G)	<50.0	12/14/20	12/23/20	3422 12
Background (Fill Slope)	<50.0	12/15/20	12/23/20	3422 13

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup		
Analysis:	SAR-Soil	Method:	USDA 60 (20B)m

Sample Name	SAR	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	0.15	12/14/20	12/30/20	3422 1
Sample #2 North Trench S. Wall (5C)	0.15	12/14/20	12/30/20	3422 2
Sample #3 North Trench N. Wall (5C)	0.98	12/14/20	12/30/20	3422 3
Sample #4 East Floor (G)	0.27	12/14/20	12/30/20	3422 4
Sample #5 West Floor (G)	0.38	12/14/20	12/30/20	3422 5
Sample #6 West Wall South (G)	0.41	12/14/20	12/30/20	3422 6
Sample #7 West Wall North (G)	0.23	12/14/20	12/30/20	3422 7
Sample #8 East Wall (G)	0.30	12/14/20	12/30/20	3422 8
Sample #9 South Wall East (G)	0.25	12/14/20	12/30/20	3422 9
Sample #10 South Wall West (G)	0.26	12/14/20	12/30/20	3422 10
Sample #11 North Wall East (G)	0.35	12/14/20	12/30/20	3422 11
Sample #12 North Wall West (G)	0.31	12/14/20	12/30/20	3422 12
Background (Fill Slope)	0.10	12/15/20	12/30/20	3422 13

eANALYTICS
LABORATORY

Client: Aspen Environmental Field Services

Lab ID: 3422

Project: Summit Midstream / C15W Cleanup

Analysis: Electrical Conductivity-Soil
pH-Soil

Method: USDA 60 (3)m
EPA9045D

Sample Name	EC mmhos/cm	pH	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	0.616	7.7	12/14/20	12/22/20	3422 1
Sample #2 North Trench S. Wall (5C)	0.756	7.8	12/14/20	12/22/20	3422 2
Sample #3 North Trench N. Wall (5C)	0.968	7.8	12/14/20	12/22/20	3422 3
Sample #4 East Floor (G)	0.676	7.7	12/14/20	12/22/20	3422 4
Sample #5 West Floor (G)	0.520	8.0	12/14/20	12/22/20	3422 5
Sample #6 West Wall South (G)	0.624	7.8	12/14/20	12/22/20	3422 6
Sample #7 West Wall North (G)	0.772	7.6	12/14/20	12/23/20	3422 7
Sample #8 East Wall (G)	0.776	7.8	12/14/20	12/23/20	3422 8
Sample #9 South Wall East (G)	0.680	7.8	12/14/20	12/23/20	3422 9
Sample #10 South Wall West (G)	0.512	7.7	12/14/20	12/23/20	3422 10
Sample #11 North Wall East (G)	0.608	7.7	12/14/20	12/23/20	3422 11
Sample #12 North Wall West (G)	0.592	7.6	12/14/20	12/23/20	3422 12
Background (Fill Slope)	0.532	7.8	12/15/20	12/23/20	3422 13

eANALYTICS LABORATORY

Client: Aspen Environmental Field Services Lab ID: 3422

Project: Summit Midstream / C15W Cleanup

Analysis: Table 910 Metals-1 Method: EPA6010

Sample Name	Ba - Barium mg/kg	B - Boron mg/kg	Cd - Cadmium mg/kg	Cr - Chromium mg/kg	Cu - Copper mg/kg	Pb - Lead mg/kg	Ni - Nickel mg/kg	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	69.5	<1.5	<0.5	<0.5	<0.600	<0.600	<0.500	12/14/20	12/31/20	3422 1
Sample #2 North Trench S. Wall (5C)	73.8	<1.50	<0.5	<0.5	<0.600	<0.600	0.559	12/14/20	12/31/20	3422 2
Sample #3 North Trench N. Wall (5C)	62.9	<1.50	<0.5	<0.5	<0.600	<0.600	0.606	12/14/20	12/31/20	3422 3
Sample #4 East Floor (G)	42.4	<1.50	<0.5	<0.5	<0.600	<0.600	<0.500	12/14/20	12/31/20	3422 4
Sample #5 West Floor (G)	34.1	<1.50	<0.5	<0.5	<0.600	<0.600	1.98	12/14/20	12/31/20	3422 5
Sample #6 West Wall South (G)	65.8	<1.50	<0.5	<0.5	<0.600	<0.600	<0.500	12/14/20	12/31/20	3422 6
Sample #7 West Wall North (G)	97.3	<1.50	<0.5	0.532	<0.600	<0.600	3.34	12/14/20	12/31/20	3422 7
Sample #8 East Wall (G)	79.9	<1.50	<0.5	<0.5	<0.600	<0.600	1.52	12/14/20	12/31/20	3422 8
Sample #9 South Wall East (G)	84.1	<1.50	<0.5	<0.5	<0.600	<0.600	0.750	12/14/20	12/31/20	3422 9
Sample #10 South Wall West (G)	151	<1.50	<0.5	<0.5	<0.600	3.37	4.19	12/14/20	12/31/20	3422 10
Sample #11 North Wall East (G)	94.8	8.24	0.983	3.24	1.76	<0.600	15.9	12/14/20	12/31/20	3422 11
Sample #12 North Wall West (G)	109	6.66	1.63	7.28	3.21	10.0	36.3	12/14/20	12/31/20	3422 12
Background (Fill Slope)	105	<1.50	<0.5	<0.5	<0.600	<0.600	<0.500	12/15/20	12/31/20	3422 13

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup		
Analysis:	Table 910 Metals-2	Method:	EPA6010

Sample Name	Ag - Silver mg/kg	Zn - Zinc mg/kg	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	<5.00	<0.500	12/14/20	12/31/20	3422 1
Sample #2 North Trench S. Wall (5C)	<5.00	<0.500	12/14/20	12/31/20	3422 2
Sample #3 North Trench N. Wall (5C)	<5.00	<0.500	12/14/20	12/31/20	3422 3
Sample #4 East Floor (G)	<5.00	<0.500	12/14/20	12/31/20	3422 4
Sample #5 West Floor (G)	<5.00	<0.500	12/14/20	12/31/20	3422 5
Sample #6 West Wall South (G)	<5.00	<0.500	12/14/20	12/31/20	3422 6
Sample #7 West Wall North (G)	<5.00	1.58	12/14/20	12/31/20	3422 7
Sample #8 East Wall (G)	<5.00	<0.500	12/14/20	12/31/20	3422 8
Sample #9 South Wall East (G)	<5.00	<0.500	12/14/20	12/31/20	3422 9
Sample #10 South Wall West (G)	<5.00	4.80	12/14/20	12/31/20	3422 10
Sample #11 North Wall East (G)	<5.00	1.31	12/14/20	12/31/20	3422 11
Sample #12 North Wall West (G)	<5.00	31.0	12/14/20	12/31/20	3422 12
Background (Fill Slope)	<5.00	<0.500	12/15/20	12/31/20	3422 13

Client:	Aspen Environmental Field Services	Sample Name:	Sample #1
		Lab ID:	3422 1
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	92	2-Fluorobiphenyl (60%-140%)	81
2,4,6 Tribromophenol (60%-140%)	111	p-Terphenyl-d14 (60%-140%)	74

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #2
		Lab ID:	3422 2
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	91	2-Fluorobiphenyl (60%-140%)	97
2,4,6 Tribromophenol (60%-140%)	112	p-Terphenyl-d14 (60%-140%)	84

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #3
		Lab ID:	3422 3
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	91	2-Fluorobiphenyl (60%-140%)	92
2,4,6 Tribromophenol (60%-140%)	96	p-Terphenyl-d14 (60%-140%)	81

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS

LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #4
		Lab ID:	3422 4
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	103	2-Fluorobiphenyl (60%-140%)	92
2,4,6 Tribromophenol (60%-140%)	109	p-Terphenyl-d14 (60%-140%)	82

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #5
		Lab ID:	3422 5
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	102	2-Fluorobiphenyl (60%-140%)	91
2,4,6 Tribromophenol (60%-140%)	71	p-Terphenyl-d14 (60%-140%)	83

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #6
		Lab ID:	3422 6
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	95	2-Fluorobiphenyl (60%-140%)	91
2,4,6 Tribromophenol (60%-140%)	102	p-Terphenyl-d14 (60%-140%)	83

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

Client:	Aspen Environmental Field Services	Sample Name:	Sample #7
		Lab ID:	3422 7
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	93	2-Fluorobiphenyl (60%-140%)	93
2,4,6 Tribromophenol (60%-140%)	116	p-Terphenyl-d14 (60%-140%)	82

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #8
		Lab ID:	3422 8
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	90	2-Fluorobiphenyl (60%-140%)	89
2,4,6 Tribromophenol (60%-140%)	88	p-Terphenyl-d14 (60%-140%)	83

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #9
		Lab ID:	3422 9
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	107	2-Fluorobiphenyl (60%-140%)	99
2,4,6 Tribromophenol (60%-140%)	118	p-Terphenyl-d14 (60%-140%)	85

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #10
		Lab ID:	3422 10
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/21/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	96	2-Fluorobiphenyl (60%-140%)	90
2,4,6 Tribromophenol (60%-140%)	88	p-Terphenyl-d14 (60%-140%)	82

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #11
		Lab ID:	3422 11
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/21/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	101	2-Fluorobiphenyl (60%-140%)	97
2,4,6 Tribromophenol (60%-140%)	89	p-Terphenyl-d14 (60%-140%)	83

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #12
		Lab ID:	3422 12
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/21/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	97	2-Fluorobiphenyl (60%-140%)	97
2,4,6 Tribromophenol (60%-140%)	106	p-Terphenyl-d14 (60%-140%)	86

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Background
		Lab ID:	3422 13
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/15/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/21/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	105	2-Fluorobiphenyl (60%-140%)	97
2,4,6 Tribromophenol (60%-140%)	72	p-Terphenyl-d14 (60%-140%)	89

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

Quality Control - Surrogate Recoveries

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup	Method:	EPA8260

Sample Name	Dibromo-fluoromethane % Recovery	1,2 Dichloro-ethane-D4 % Recovery	Toluene-D8 % Recovery	4-Bromo-fluorobenzene % Recovery	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	104	98	74	67	12/14/20	12/18/20	3422 1
Sample #2 North Trench S. Wall (5C)	105	93	99	76	12/14/20	12/18/20	3422 2
Sample #3 North Trench N. Wall (5C)	105	102	97	109	12/14/20	12/18/20	3422 3
Sample #4 East Floor (G)	96	105	98	92	12/14/20	12/18/20	3422 4
Sample #5 West Floor (G)	103	108	98	95	12/14/20	12/18/20	3422 5
Sample #6 West Wall South (G)	84	90	93	70	12/14/20	12/18/20	3422 6
Sample #7 West Wall North (G)	105	101	98	89	12/14/20	12/18/20	3422 7
Sample #8 East Wall (G)	105	103	97	89	12/14/20	12/18/20	3422 8
Sample #9 South Wall East (G)	100	106	102	95	12/14/20	12/18/20	3422 9
Sample #10 South Wall West (G)	106	103	100	97	12/14/20	12/18/20	3422 10
Sample #11 North Wall East (G)	101	97	98	71	12/14/20	12/18/20	3422 11
Sample #12 North Wall West (G)	134	136	98	107	12/14/20	12/18/20	3422 12
Background (Fill Slope)	99	104	98	100	12/15/20	12/18/20	3422 13

eANALYTICS LABORATORY

Client: Aspen Environmental Field Services Lab ID: 3422

Project: Summit Midstream / C15W Cleanup

Soil		Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TPH-TVPH	QC Start Date
Method Blank		<0.010	<0.010	<0.010	<0.010	<50.0	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Lab Control Sample	70%-130%	104	100	101	101	112	12/18/20

Soil		TPH-TEPH	QC Start Date
Method Blank		<50.0	
		mg/kg	
Lab Control Sample	70%-130%	104	12/23/20

Test Report

eANALYTICS LABORATORY

January 5, 2021

Client:	Aspen Environmental Field Services
Project:	Summit Midstream / C15W Cleanup
Lab ID:	3422
Date Samples Received:	12/18/2020

Sample Condition:	The samples arrived intact and in appropriate sample containers. The samples were received within the temperature range specified in the test method(s) and/or with thermal preservation in process.
Comments:	The test items listed immediately below were analyzed by another laboratory. A separate report with those results will follow upon completion.

Analysis of:	Performed By:
Total Selenium	ALS Laboratories-Fort Collins, CO
Total Mercury	
Total Arsenic	
Total Hexavalent Chromium	

Thank you for allowing eAnalytics Laboratory to provide laboratory services for you.

Chris Dieken
QA Manager

Todd Rhea
Lab Manager

Chain of Custody

eANALYTICS LABORATORY

Chain of Custody Form

eANALYTICS LABORATORY

4130 Clydesdale Pkwy, Loveland, CO 80538 | Phone: (970) 667-6975 | Fax: (970) 669-0941 | www.eAnalyticsLab.com

CLIENT INFORMATION

(*New Clients please fill out completely)

Company:	Aspen Environmental F.S.
Project:	Summit Midstream / C15W Cleanup
Project Manager:	Criss Duncan ccduncan@aspenefs.com
Sampler:	Troy Portnoff
Phone/Email:	(541) 891-4595 tportnoff@aspenefs.com
Address:	1685 17 Rd Loma, CO. 81524
Billing Contact:	Lucy Baley Lcullen@aspenefs.com

ANALYSIS INFORMATION

(Select analysis by checking box on corresponding sample line)

Lab ID	Sample Name	Sampling Date/Time	Number of Containers	Matrix (S) Soil (W) Water (V) Vapor (O) Other	BTEX GRO (EPA 8260)	DRO (EPA 8015)	PAH's (EPA 8270-SIM)	SAR (US Dept of Ag Method 20B)	EC (US Dept of Ag Method 3)	pH (EPA 9045D)	Metals - Table 910 List (EPA 6010)	Other Analysis
1	Sample #1 North Trench Floor (5C)	12/14/2020 1000 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
2	Sample #2 North Trench S. Wall (5C)	12/14/2020 1005 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
3	Sample #3 North Trench N. Wall (5C)	12/14/2020 1010 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
4	Sample #4 East Floor (G)	12/14/2020 1015 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
5	Sample #5 West Floor (G)	12/14/2020 1020 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
6	Sample #6 West Wall South (G)	12/14/2020 1025 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
7	Sample #7 West Wall North (G)	12/14/2020 1030 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
8	Sample #8 East Wall (G)	12/14/2020 1035 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
9	Sample #9 South Wall East (G)	12/14/2020 1040 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
10	Sample # 10 South Wall West (G)	12/14/2020 1045 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
11	Sample #11 North Wall East (G)	12/14/2020 1050 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
12	Sample #12 North Wall West (G)	12/14/2020 1055 hrs	1	S	☒	☒	☒	☒	☒	☒	☒	
13	Background (Fill Slope)	12/15/2020 1400hrs	1	S	☒	☒	☒	☒	☒	☒	☒	

Comments:

Turnaround Time (Business Days)

TAT begins when sample is received by eANALYTICS

- ☒ Normal (5-10 Days)
- ○ 3 Day (1.25x)
- ○ 2 Day (1.5x)
- ○ 1 Day (2x)
- ○ Same Day (3x)

Rush analysis requires an extra charge. If possible please inform eANALYTICS in advance for rush analysis.

For eANALYTICS Use

Samples Received Intact		Yes / No
Received Within Temperature Range (2-6°C)		Yes / No
Sample Preservative	Ice / None	Acid / Other

Record of Custody

	Date	Time
Relinquished by: Shane Ewert Company: Stealth Energy Group	12/16/2020	8:47 AM / PM
Received by: Troy Portnoff Company: Aspen Environmental Field Services	12/16/2020	8:47 AM / PM
Relinquished by: Troy Portnoff Company: Aspen Environmental Field Services	12/17/2020	8:00 AM / PM
Received by: Marquis Kay Company: eANALYTICS	12/18/20	9:53 AM / PM

WO # 3422

eANALYTICS: Environmental testing made Easy

Page 1 of 1

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup		
Analysis:	BTEX/TPH-TVPH (Volatile Organics)	Method:	EPA8260

Sample Name	Benzene mg/kg	Toluene mg/kg	Ethyl-Benzene mg/kg	Total Xylenes mg/kg	TPH-TVPH mg/kg	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 1
Sample #2 North Trench S. Wall (5C)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 2
Sample #3 North Trench N. Wall (5C)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 3
Sample #4 East Floor (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 4
Sample #5 West Floor (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 5
Sample #6 West Wall South (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 6
Sample #7 West Wall North (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 7
Sample #8 East Wall (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 8
Sample #9 South Wall East (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 9
Sample #10 South Wall West (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 10
Sample #11 North Wall East (G)	<0.050	<0.050	<0.050	<0.050	<50.0	12/14/20	12/18/20	3422 11
Sample #12 North Wall West (G)	<0.050	<0.050	<0.050	0.134	<50.0	12/14/20	12/18/20	3422 12
Background (Fill Slope)	<0.050	<0.050	<0.050	<0.050	<50.0	12/15/20	12/18/20	3422 13

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup		
Analysis:	TPH-TEPH	Method:	EPA8015

Sample Name	TPH-TEPH mg/kg	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	<50.0	12/14/20	12/23/20	3422 1
Sample #2 North Trench S. Wall (5C)	<50.0	12/14/20	12/23/20	3422 2
Sample #3 North Trench N. Wall (5C)	<50.0	12/14/20	12/23/20	3422 3
Sample #4 East Floor (G)	<50.0	12/14/20	12/23/20	3422 4
Sample #5 West Floor (G)	<50.0	12/14/20	12/23/20	3422 5
Sample #6 West Wall South (G)	<50.0	12/14/20	12/23/20	3422 6
Sample #7 West Wall North (G)	<50.0	12/14/20	12/23/20	3422 7
Sample #8 East Wall (G)	<50.0	12/14/20	12/23/20	3422 8
Sample #9 South Wall East (G)	<50.0	12/14/20	12/23/20	3422 9
Sample #10 South Wall West (G)	<50.0	12/14/20	12/23/20	3422 10
Sample #11 North Wall East (G)	<50.0	12/14/20	12/23/20	3422 11
Sample #12 North Wall West (G)	<50.0	12/14/20	12/23/20	3422 12
Background (Fill Slope)	<50.0	12/15/20	12/23/20	3422 13

eANALYTICS LABORATORY

Client: Aspen Environmental Field Services

Lab ID: 3422

Project: Summit Midstream / C15W Cleanup

Analysis: SAR-Soil

Method: USDA 60 (20B)m

Sample Name	SAR	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	0.15	12/14/20	12/30/20	3422 1
Sample #2 North Trench S. Wall (5C)	0.15	12/14/20	12/30/20	3422 2
Sample #3 North Trench N. Wall (5C)	0.98	12/14/20	12/30/20	3422 3
Sample #4 East Floor (G)	0.27	12/14/20	12/30/20	3422 4
Sample #5 West Floor (G)	0.38	12/14/20	12/30/20	3422 5
Sample #6 West Wall South (G)	0.41	12/14/20	12/30/20	3422 6
Sample #7 West Wall North (G)	0.23	12/14/20	12/30/20	3422 7
Sample #8 East Wall (G)	0.30	12/14/20	12/30/20	3422 8
Sample #9 South Wall East (G)	0.25	12/14/20	12/30/20	3422 9
Sample #10 South Wall West (G)	0.26	12/14/20	12/30/20	3422 10
Sample #11 North Wall East (G)	0.35	12/14/20	12/30/20	3422 11
Sample #12 North Wall West (G)	0.31	12/14/20	12/30/20	3422 12
Background (Fill Slope)	0.10	12/15/20	12/30/20	3422 13

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup		
Analysis:	Electrical Conductivity-Soil pH-Soil	Method:	USDA 60 (3)m EPA9045D

Sample Name	EC mmhos/cm	pH	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	616	7.7	12/14/20	12/22/20	3422 1
Sample #2 North Trench S. Wall (5C)	756	7.8	12/14/20	12/22/20	3422 2
Sample #3 North Trench N. Wall (5C)	968	7.8	12/14/20	12/22/20	3422 3
Sample #4 East Floor (G)	676	7.7	12/14/20	12/22/20	3422 4
Sample #5 West Floor (G)	520	8.0	12/14/20	12/22/20	3422 5
Sample #6 West Wall South (G)	624	7.8	12/14/20	12/22/20	3422 6
Sample #7 West Wall North (G)	772	7.6	12/14/20	12/23/20	3422 7
Sample #8 East Wall (G)	776	7.8	12/14/20	12/23/20	3422 8
Sample #9 South Wall East (G)	680	7.8	12/14/20	12/23/20	3422 9
Sample #10 South Wall West (G)	512	7.7	12/14/20	12/23/20	3422 10
Sample #11 North Wall East (G)	608	7.7	12/14/20	12/23/20	3422 11
Sample #12 North Wall West (G)	592	7.6	12/14/20	12/23/20	3422 12
Background (Fill Slope)	532	7.8	12/15/20	12/23/20	3422 13

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup		
Analysis:	Table 910 Metals-1	Method:	EPA6010

Sample Name	Ba - Barium mg/kg	B - Boron mg/kg	Cd - Cadmium mg/kg	Cr - Chromium mg/kg	Cu - Copper mg/kg	Pb - Lead mg/kg	Ni - Nickel mg/kg	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	69.5	<1.5	<0.5	<0.5	<0.600	<0.600	<0.500	12/14/20	12/31/20	3422 1
Sample #2 North Trench S. Wall (5C)	73.8	<1.50	<0.5	<0.5	<0.600	<0.600	0.559	12/14/20	12/31/20	3422 2
Sample #3 North Trench N. Wall (5C)	62.9	<1.50	<0.5	<0.5	<0.600	<0.600	0.606	12/14/20	12/31/20	3422 3
Sample #4 East Floor (G)	42.4	<1.50	<0.5	<0.5	<0.600	<0.600	<0.500	12/14/20	12/31/20	3422 4
Sample #5 West Floor (G)	34.1	<1.50	<0.5	<0.5	<0.600	<0.600	1.98	12/14/20	12/31/20	3422 5
Sample #6 West Wall South (G)	65.8	<1.50	<0.5	<0.5	<0.600	<0.600	<0.500	12/14/20	12/31/20	3422 6
Sample #7 West Wall North (G)	97.3	<1.50	<0.5	0.532	<0.600	<0.600	3.34	12/14/20	12/31/20	3422 7
Sample #8 East Wall (G)	79.9	<1.50	<0.5	<0.5	<0.600	<0.600	1.52	12/14/20	12/31/20	3422 8
Sample #9 South Wall East (G)	84.1	<1.50	<0.5	<0.5	<0.600	<0.600	0.750	12/14/20	12/31/20	3422 9
Sample #10 South Wall West (G)	151	<1.50	<0.5	<0.5	<0.600	3.37	4.19	12/14/20	12/31/20	3422 10
Sample #11 North Wall East (G)	94.8	8.24	0.983	3.24	1.76	<0.600	15.9	12/14/20	12/31/20	3422 11
Sample #12 North Wall West (G)	109	6.66	1.63	7.28	3.21	10.0	36.3	12/14/20	12/31/20	3422 12
Background (Fill Slope)	105	<1.50	<0.5	<0.5	<0.600	<0.600	<0.500	12/15/20	12/31/20	3422 13

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup		
Analysis:	Table 910 Metals-2	Method:	EPA6010

Sample Name	Ag - Silver mg/kg	Zn - Zinc mg/kg	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	<5.00	<0.500	12/14/20	12/31/20	3422 1
Sample #2 North Trench S. Wall (5C)	<5.00	<0.500	12/14/20	12/31/20	3422 2
Sample #3 North Trench N. Wall (5C)	<5.00	<0.500	12/14/20	12/31/20	3422 3
Sample #4 East Floor (G)	<5.00	<0.500	12/14/20	12/31/20	3422 4
Sample #5 West Floor (G)	<5.00	<0.500	12/14/20	12/31/20	3422 5
Sample #6 West Wall South (G)	<5.00	<0.500	12/14/20	12/31/20	3422 6
Sample #7 West Wall North (G)	<5.00	1.58	12/14/20	12/31/20	3422 7
Sample #8 East Wall (G)	<5.00	<0.500	12/14/20	12/31/20	3422 8
Sample #9 South Wall East (G)	<5.00	<0.500	12/14/20	12/31/20	3422 9
Sample #10 South Wall West (G)	<5.00	4.80	12/14/20	12/31/20	3422 10
Sample #11 North Wall East (G)	<5.00	1.31	12/14/20	12/31/20	3422 11
Sample #12 North Wall West (G)	<5.00	31.0	12/14/20	12/31/20	3422 12
Background (Fill Slope)	<5.00	<0.500	12/15/20	12/31/20	3422 13

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #1
		Lab ID:	3422 1
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	92	2-Fluorobiphenyl (60%-140%)	81
2,4,6 Tribromophenol (60%-140%)	111	p-Terphenyl-d14 (60%-140%)	74

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #2
		Lab ID:	3422 2
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	91	2-Fluorobiphenyl (60%-140%)	97
2,4,6 Tribromophenol (60%-140%)	112	p-Terphenyl-d14 (60%-140%)	84

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #3
		Lab ID:	3422 3
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	91	2-Fluorobiphenyl (60%-140%)	92
2,4,6 Tribromophenol (60%-140%)	96	p-Terphenyl-d14 (60%-140%)	81

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #4
		Lab ID:	3422 4
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	103	2-Fluorobiphenyl (60%-140%)	92
2,4,6 Tribromophenol (60%-140%)	109	p-Terphenyl-d14 (60%-140%)	82

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #5
		Lab ID:	3422 5
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	102	2-Fluorobiphenyl (60%-140%)	91
2,4,6 Tribromophenol (60%-140%)	71	p-Terphenyl-d14 (60%-140%)	83

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #6
		Lab ID:	3422 6
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	95	2-Fluorobiphenyl (60%-140%)	91
2,4,6 Tribromophenol (60%-140%)	102	p-Terphenyl-d14 (60%-140%)	83

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #7
		Lab ID:	3422 7
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	93	2-Fluorobiphenyl (60%-140%)	93
2,4,6 Tribromophenol (60%-140%)	116	p-Terphenyl-d14 (60%-140%)	82

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

Client:	Aspen Environmental Field Services	Sample Name:	Sample #8
		Lab ID:	3422 8
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	90	2-Fluorobiphenyl (60%-140%)	89
2,4,6 Tribromophenol (60%-140%)	88	p-Terphenyl-d14 (60%-140%)	83

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

Client:	Aspen Environmental Field Services	Sample Name:	Sample #9
		Lab ID:	3422 9
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/20/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	107	2-Fluorobiphenyl (60%-140%)	99
2,4,6 Tribromophenol (60%-140%)	118	p-Terphenyl-d14 (60%-140%)	85

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #10
		Lab ID:	3422 10
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/21/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	96	2-Fluorobiphenyl (60%-140%)	90
2,4,6 Tribromophenol (60%-140%)	88	p-Terphenyl-d14 (60%-140%)	82

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #11
		Lab ID:	3422 11
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/21/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	101	2-Fluorobiphenyl (60%-140%)	97
2,4,6 Tribromophenol (60%-140%)	89	p-Terphenyl-d14 (60%-140%)	83

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS
LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #12
		Lab ID:	3422 12
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/14/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/21/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	**% Recovery**	**Surrogate**	**% Recovery**
Nitrobenzene-d5 (60%-140%)	97	2-Fluorobiphenyl (60%-140%)	97
2,4,6 Tribromophenol (60%-140%)	106	p-Terphenyl-d14 (60%-140%)	86

Compound	**Result (mg/kg)**
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Background
		Lab ID:	3422 13
Project:	Summit Midstream / C15W Cleanup	Date Sampled:	12/15/2020
		Date Extracted:	12/19/2020
		Date Analyzed:	12/21/2020
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Method:	EPA8270 (SIM)

Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5 (60%-140%)	105	2-Fluorobiphenyl (60%-140%)	97
2,4,6 Tribromophenol (60%-140%)	72	p-Terphenyl-d14 (60%-140%)	89

Compound	Result (mg/kg)
Acenaphthene	<1.0
Acenaphthylene	<1.0
Anthracene	<1.0
Benzo(a)-anthracene	<0.15
Benzo(a)-pyrene	<0.015
Benzo(b)-fluoranthene	<0.15
Benzo(g,h,i)-perylene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<0.15
Dibenzo(a,h)-anthracene	<0.015
Fluoranthene	<1.0
Fluorene	<1.0
Indeno(1,2,3-C,D)-pyrene	<0.15
Naphthalene	<1.0
Phenanthrene	<1.0
Pyrene	<1.0

Quality Control - Surrogate Recoveries

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services	Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup	Method:	EPA8260

Sample Name	Dibromo-fluoromethane % Recovery	1,2 Dichloro-ethane-D4 % Recovery	Toluene-D8 % Recovery	4-Bromo-fluorobenzene % Recovery	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Trench Floor (5C)	104	98	74	67	12/14/20	12/18/20	3422 1
Sample #2 North Trench S. Wall (5C)	105	93	99	76	12/14/20	12/18/20	3422 2
Sample #3 North Trench N. Wall (5C)	105	102	97	109	12/14/20	12/18/20	3422 3
Sample #4 East Floor (G)	96	105	98	92	12/14/20	12/18/20	3422 4
Sample #5 West Floor (G)	103	108	98	95	12/14/20	12/18/20	3422 5
Sample #6 West Wall South (G)	84	90	93	70	12/14/20	12/18/20	3422 6
Sample #7 West Wall North (G)	105	101	98	89	12/14/20	12/18/20	3422 7
Sample #8 East Wall (G)	105	103	97	89	12/14/20	12/18/20	3422 8
Sample #9 South Wall East (G)	100	106	102	95	12/14/20	12/18/20	3422 9
Sample #10 South Wall West (G)	106	103	100	97	12/14/20	12/18/20	3422 10
Sample #11 North Wall East (G)	101	97	98	71	12/14/20	12/18/20	3422 11
Sample #12 North Wall West (G)	134	136	98	107	12/14/20	12/18/20	3422 12
Background (Fill Slope)	99	104	98	100	12/15/20	12/18/20	3422 13

eANALYTICS LABORATORY

Client:	Aspen Environmental Field Services
Lab ID:	3422
Project:	Summit Midstream / C15W Cleanup

Soil		Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TPH-TVPH	QC Start Date
Method Blank		<0.010	<0.010	<0.010	<0.010	<50.0	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Lab Control Sample	70%-130%	104	100	101	101	112	12/18/20

Soil		TPH-TEPH	QC Start Date
Method Blank		<50.0	
		mg/kg	
Lab Control Sample	70%-130%	104	12/23/20