

# Test Report



August 26, 2021

Client: Aspen Environmental Field Services  
Project: Summit Midstream / B8E Soil Samples  
Lab ID: 4604  
Date Samples Received: 8/23/2021

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:  
Total Arsenic

Performed By:  
McC Campbell Analytical, Inc-Pittsburg CA

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

A handwritten signature in black ink, appearing to read "Chris Dieken".

Chris Dieken  
QA Manager

A handwritten signature in black ink, appearing to read "Todd Rhea".

Todd Rhea  
Lab Manager

**eAnalytics Laboratory**  
4130 Clydesdale Parkway Loveland CO 80538





Client: Aspen Environmental Field Services Lab ID: 4604  
 Project: Summit Midstream / B8E Soil Samples  
 Analysis: BTEX/Select Volatile Cmpds/TPH-TVPH (C6-C10) Method: EPA8260

Sample Name	Benzene mg/kg	Toluene mg/kg	Ethyl- Benzene mg/kg	Total Xylenes mg/kg	TPH- TVPH mg/kg	1,2,4- Trimethyl- benzene mg/kg	1,3,5- Trimethyl- benzene mg/kg	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Wall - 16 Feet	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	08/16/21	08/23/21	4604 1
Sample #2 South Wall - 14 Feet	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	08/16/21	08/24/21	4604 2
Sample #3 East Wall - 16 Feet	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	08/16/21	08/24/21	4604 3
Sample #4 West Wall - 16 Feet	<0.050	<0.050	<0.050	0.094	<50.0	0.062	0.061	08/16/21	08/24/21	4604 4
Sample #5 Floor - 17.5 Feet	<0.050	<0.050	<0.050	0.096	<50.0	<0.050	<0.050	08/16/21	08/24/21	4604 5
Sample #6 Background - 6 Feet	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	08/16/21	08/24/21	4604 6
Sample #6 Background - 17.5 Feet	<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	08/16/21	08/24/21	4604 7



4130 Clydesdale Parkway Loveland CO 80538



Client: Aspen Environmental Field Services      Lab ID: 4604  
 Project: Summit Midstream / B8E Soil Samples  
 Analysis: TPH-TEPH (C10-C28)      Method: EPA8015

Sample Name	TPH-TEPH mg/kg	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Wall - 16 Feet	<50.0	08/16/21	08/23/21	4604 1
Sample #2 South Wall - 14 Feet	<50.0	08/16/21	08/23/21	4604 2
Sample #3 East Wall - 16 Feet	<50.0	08/16/21	08/23/21	4604 3
Sample #4 West Wall - 16 Feet	<50.0	08/16/21	08/23/21	4604 4
Sample #5 Floor - 17.5 Feet	<50.0	08/16/21	08/23/21	4604 5
Sample #6 Background - 6 Feet	<50.0	08/16/21	08/23/21	4604 6
Sample #6 Background - 17.5 Feet	<50.0	08/16/21	08/23/21	4604 7





Client: Aspen Environmental Field Services      Lab ID: 4604

Project: Summit Midstream / B8E Soil Samples

Analysis: Electrical Conductivity-Soil      Method: USDA 60 (3)m  
pH-Soil      EPA9045D/USDA 60

Sample Name	EC (mS/cm) mmhos/cm	pH	Date Sampled	Date Analyzed	Lab ID
Sample #1 North Wall - 16 Feet	0.860	8.1	08/16/21	08/25/21	4604 1
Sample #2 South Wall - 14 Feet	2.21	8.0	08/16/21	08/25/21	4604 2
Sample #3 East Wall - 16 Feet	0.804	8.3	08/16/21	08/25/21	4604 3
Sample #4 West Wall - 16 Feet	0.688	8.5	08/16/21	08/25/21	4604 4
Sample #5 Floor - 17.5 Feet	1.68	7.7	08/16/21	08/25/21	4604 5
Sample #6 Background - 6 Feet	1.78	7.5	08/16/21	08/25/21	4604 6
Sample #6 Background - 17.5 Feet	1.47	7.5	08/16/21	08/25/21	4604 7









# eANALYTICS

## LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #1 North Wall - 16 Feet
Project:	Summit Midstream / B8E Soil Samples	Lab ID:	4604 1
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Date Sampled:	8/16/2021
		Date Extracted:	8/24/2021
		Date Analyzed:	8/24/2021
		Method:	EPA8270 (SIM)

### Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5	84	2-Fluorobiphenyl	94
2,4,6 Tribromophenol	76	p-Terphenyl-d14	89

Compound	Result (mg/kg)
1-Methylnaphthalene	<1.5
2-Methylnaphthalene	<1.5
Acenaphthene	<1.5
Anthracene	<1.5
Benzo(a)-anthracene	<1.0
Benzo(a)-pyrene	<0.11
Benzo(b)-fluoranthene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<1.5
Dibenzo(a,h)-anthracene	<0.10
Fluoranthene	<1.5
Fluorene	<1.5
Indeno(1,2,3-C,D)-pyrene	<1.0
Pyrene	<1.5
Naphthalene	<1.0

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**eANALYTICS**  
LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #2 South Wall - 14 Feet
Project:	Summit Midstream / B8E Soil Samples	Lab ID:	4604 2
		Date Sampled:	8/16/2021
		Date Extracted:	8/24/2021
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Date Analyzed:	8/25/2021
		Method:	EPA8270 (SIM)

**Surrogate Recoveries**

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5	84	2-Fluorobiphenyl	86
2,4,6 Tribromophenol	124	p-Terphenyl-d14	82

Compound	Result (mg/kg)
1-Methylnaphthalene	<1.5
2-Methylnaphthalene	<1.5
Acenaphthene	<1.5
Anthracene	<1.5
Benzo(a)-anthracene	<1.0
Benzo(a)-pyrene	<0.11
Benzo(b)-fluoranthene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<1.5
Dibenzo(a,h)-anthracene	<0.10
Fluoranthene	<1.5
Fluorene	<1.5
Indeno(1,2,3-C,D)-pyrene	<1.0
Pyrene	<1.5
Naphthalene	<1.0

**eANALYTICS**  
LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #3 East Wall - 16 Feet
Project:	Summit Midstream / B8E Soil Samples	Lab ID:	4604 3
		Date Sampled:	8/16/2021
		Date Extracted:	8/24/2021
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Date Analyzed:	8/25/2021
		Method:	EPA8270 (SIM)

**Surrogate Recoveries**

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5	80	2-Fluorobiphenyl	92
2,4,6 Tribromophenol	70	p-Terphenyl-d14	85

Compound	Result (mg/kg)
1-Methylnaphthalene	<1.5
2-Methylnaphthalene	<1.5
Acenaphthene	<1.5
Anthracene	<1.5
Benzo(a)-anthracene	<1.0
Benzo(a)-pyrene	<0.11
Benzo(b)-fluoranthene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<1.5
Dibenzo(a,h)-anthracene	<0.10
Fluoranthene	<1.5
Fluorene	<1.5
Indeno(1,2,3-C,D)-pyrene	<1.0
Pyrene	<1.5
Naphthalene	<1.0

**eANALYTICS**  
LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #4 West Wall - 16 Feet
Project:	Summit Midstream / B8E Soil Samples	Lab ID:	4604 4
		Date Sampled:	8/16/2021
		Date Extracted:	8/24/2021
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Date Analyzed:	8/25/2021
		Method:	EPA8270 (SIM)

**Surrogate Recoveries**

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5	75	2-Fluorobiphenyl	87
2,4,6 Tribromophenol	69	p-Terphenyl-d14	85

Compound	Result (mg/kg)
1-Methylnaphthalene	<1.5
2-Methylnaphthalene	<1.5
Acenaphthene	<1.5
Anthracene	<1.5
Benzo(a)-anthracene	<1.0
Benzo(a)-pyrene	<0.11
Benzo(b)-fluoranthene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<1.5
Dibenzo(a,h)-anthracene	<0.10
Fluoranthene	<1.5
Fluorene	<1.5
Indeno(1,2,3-C,D)-pyrene	<1.0
Pyrene	<1.5
Naphthalene	<1.0

# eANALYTICS

## LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #5 Floor - 17.5 Feet
Project:	Summit Midstream / B8E Soil Samples	Lab ID:	4604 5
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Date Sampled:	8/16/2021
		Date Extracted:	8/24/2021
		Date Analyzed:	8/25/2021
		Method:	EPA8270 (SIM)

### Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5	79	2-Fluorobiphenyl	89
2,4,6 Tribromophenol	66	p-Terphenyl-d14	85

Compound	Result (mg/kg)
1-Methylnaphthalene	<1.5
2-Methylnaphthalene	<1.5
Acenaphthene	<1.5
Anthracene	<1.5
Benzo(a)-anthracene	<1.0
Benzo(a)-pyrene	<0.11
Benzo(b)-fluoranthene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<1.5
Dibenzo(a,h)-anthracene	<0.10
Fluoranthene	<1.5
Fluorene	<1.5
Indeno(1,2,3-C,D)-pyrene	<1.0
Pyrene	<1.5
Naphthalene	<1.0

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# eANALYTICS

## LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #6 Background - 6 Feet
Project:	Summit Midstream / B8E Soil Samples	Lab ID:	4604 6
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Date Sampled:	8/16/2021
		Date Extracted:	8/24/2021
		Date Analyzed:	8/25/2021
		Method:	EPA8270 (SIM)

### Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5	79	2-Fluorobiphenyl	91
2,4,6 Tribromophenol	88	p-Terphenyl-d14	84

Compound	Result (mg/kg)
1-Methylnaphthalene	<1.5
2-Methylnaphthalene	<1.5
Acenaphthene	<1.5
Anthracene	<1.5
Benzo(a)-anthracene	<1.0
Benzo(a)-pyrene	<0.11
Benzo(b)-fluoranthene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<1.5
Dibenzo(a,h)-anthracene	<0.10
Fluoranthene	<1.5
Fluorene	<1.5
Indeno(1,2,3-C,D)-pyrene	<1.0
Pyrene	<1.5
Naphthalene	<1.0

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# eANALYTICS

## LABORATORY

Client:	Aspen Environmental Field Services	Sample Name:	Sample #6 Background - 17.5 Feet
Project:	Summit Midstream / B8E Soil Samples	Lab ID:	4604 7
		Date Sampled:	8/16/2021
		Date Extracted:	8/24/2021
Analysis:	PAHs (Polynuclear Aromatic Hydrocarbons)	Date Analyzed:	8/25/2021
		Method:	EPA8270 (SIM)

### Surrogate Recoveries

Surrogate	% Recovery	Surrogate	% Recovery
Nitrobenzene-d5	78	2-Fluorobiphenyl	95
2,4,6 Tribromophenol	85	p-Terphenyl-d14	88

Compound	Result (mg/kg)
1-Methylnaphthalene	<1.5
2-Methylnaphthalene	<1.5
Acenaphthene	<1.5
Anthracene	<1.5
Benzo(a)-anthracene	<1.0
Benzo(a)-pyrene	<0.11
Benzo(b)-fluoranthene	<1.0
Benzo(k)-fluoranthene	<1.5
Chrysene	<1.5
Dibenzo(a,h)-anthracene	<0.10
Fluoranthene	<1.5
Fluorene	<1.5
Indeno(1,2,3-C,D)-pyrene	<1.0
Pyrene	<1.5
Naphthalene	<1.0

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## Quality Control - Surrogate Recoveries

# eANALYTICS

## LABORATORY

Client: Aspen Environmental Field Services      Lab ID: 4604  
 Project: Summit Midstream / B8E Soil Samples      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 Wall - 16 Feet	102	102	101	101	08/16/21	08/23/21	4604 1
Sample #2 South Wall - 14 Feet	102	106	102	100	08/16/21	08/24/21	4604 2
Sample #3 East Wall - 16 Feet	101	98	100	95	08/16/21	08/24/21	4604 3
Sample #4 West Wall - 16 Feet	98	100	99	91	08/16/21	08/24/21	4604 4
Sample #5 Floor - 17.5 Feet	99	105	95	92	08/16/21	08/24/21	4604 5
Sample #6 Background - 6 Feet	105	105	99	104	08/16/21	08/24/21	4604 6
Sample #6 Background - 17.5 Feet	98	105	101	97	08/16/21	08/24/21	4604 7

### eAnalytics Laboratory

4130 Clydesdale Parkway Loveland CO 80538

# eANALYTICS

## L A B O R A T O R Y

Client: Aspen Environmental Field Services

Lab ID: 4604

Project: Summit Midstream / B8E Soil Samples

Soil		Benzene	Toluene	Ethyl-Benzene	Total Xylenes	TPH-TVPH	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	QC Start Date
Method Blank		<0.050	<0.050	<0.050	<0.050	<50.0	<0.050	<0.050	
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
Lab Control Sample	70%-130%	105	104	100	93	107	89	90	08/23/21

Soil		TPH-TEPH	QC Start Date
Method Blank		<50.0	
		mg/kg	
Lab Control Sample	70%-130%	89	08/23/21

Soil		TPH-ORO	QC Start Date
Method Blank		<50.0	
		mg/kg	
Lab Control Sample	70%-130%	107	08/24/21



# McC Campbell Analytical, Inc.

"When Quality Counts"

## Analytical Report

**WorkOrder:** 2108D59

**Report Created for:** eAnalytics Laboratory  
4130 Clydesdale Parkway  
Loveland, CO 80538

**Project Contact:** Chris Dieken  
**Project P.O.:**  
**Project:** Summit Midstream/B8E

**Project Received:** 08/25/2021

Analytical Report reviewed & approved for release on 08/27/2021 by:

Yen Cao  
Project Manager

*The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.*





## Glossary of Terms & Qualifier Definitions

**Client:** eAnalytics Laboratory

**Project:** Summit Midstream/B8E

**WorkOrder:** 2108D59

### Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



## Analytical Report

**Client:** eAnalytics Laboratory  
**Date Received:** 08/25/2021 10:18  
**Date Prepared:** 08/25/2021  
**Project:** Summit Midstream/B8E

**WorkOrder:** 2108D59  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/Kg

### Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample #1 North Wall 16ft (4604-1)	2108D59-001A	Soil	08/16/2021 16:00	ICP-MS5 216SMPL.d	228402

Analytes	Result	RL	DF	Date Analyzed
Arsenic	8.0	0.50	1	08/25/2021 22:39

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	112	70-130	08/25/2021 22:39

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample #2 South Wall 14ft (4604-2)	2108D59-002A	Soil	08/16/2021 16:00	ICP-MS5 217SMPL.d	228402

Analytes	Result	RL	DF	Date Analyzed
Arsenic	6.8	0.50	1	08/25/2021 22:43

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	106	70-130	08/25/2021 22:43

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample #3 East Wall 16ft (4604-3)	2108D59-003A	Soil	08/16/2021 16:00	ICP-MS5 218SMPL.d	228402

Analytes	Result	RL	DF	Date Analyzed
Arsenic	12	0.50	1	08/25/2021 22:46

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	113	70-130	08/25/2021 22:46

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample #4 West Wall 16ft (4604-4)	2108D59-004A	Soil	08/16/2021 16:00	ICP-MS5 219SMPL.d	228402

Analytes	Result	RL	DF	Date Analyzed
Arsenic	6.0	0.50	1	08/25/2021 22:50

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	109	70-130	08/25/2021 22:50

Analyst(s): AL

(Cont.)



## Analytical Report

**Client:** eAnalytics Laboratory  
**Date Received:** 08/25/2021 10:18  
**Date Prepared:** 08/25/2021  
**Project:** Summit Midstream/B8E

**WorkOrder:** 2108D59  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/Kg

### Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample #5 Floor-175 ft (4604-5)	2108D59-005A	Soil	08/16/2021 16:00	ICP-MS5 220SMPL.d	228402

Analytes	Result	RL	DF	Date Analyzed
Arsenic	37	0.50	1	08/25/2021 22:53

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	105	70-130	08/25/2021 22:53

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample #6 Background 6ft (4604-6)	2108D59-006A	Soil	08/16/2021 16:00	ICP-MS5 223SMPL.d	228402

Analytes	Result	RL	DF	Date Analyzed
Arsenic	6.7	0.50	1	08/25/2021 23:03

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	107	70-130	08/25/2021 23:03

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample #7 Background 175ft (4604-7)	2108D59-007A	Soil	08/16/2021 16:00	ICP-MS5 224SMPL.d	228402

Analytes	Result	RL	DF	Date Analyzed
Arsenic	6.9	0.50	1	08/25/2021 23:07

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	105	70-130	08/25/2021 23:07

Analyst(s): AL



## Quality Control Report

**Client:** eAnalytics Laboratory  
**Date Prepared:** 08/25/2021  
**Date Analyzed:** 08/25/2021  
**Instrument:** ICP-MS5  
**Matrix:** Soil  
**Project:** Summit Midstream/B8E

**WorkOrder:** 2108D59  
**BatchID:** 228402  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/kg  
**Sample ID:** MB/LCS/LCSD-228402

### QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.140	0.500	-	-	-
<b>Surrogate Recovery</b>						
Terbium	559			500	112	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	51.0	47.8	50	102	96	75-125	6.38	20
<b>Surrogate Recovery</b>								
Terbium	542	501	500	108	100	70-130	7.86	20



1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 2108D59

ClientCode: EACO

- WaterTrax   
  WriteOn   
  EDF   
  EQuIS   
  Dry-Weight   
  Email   
  HardCopy   
  ThirdParty   
  J-flag  
 Detection Summary   
  Excel

**Report to:**

Chris Dieken  
eAnalytics Laboratory  
4130 Clydesdale Parkway  
Loveland, CO 80538  
970-667-6975    FAX:

Email: cdieken@eanalyticslab.com; trhea@eanaly  
cc/3rd Party:  
PO:  
Project: Summit Midstream/B8E

**Bill to:**

Chris Dieken  
eAnalytics Laboratory  
4130 Clydesdale Parkway  
Loveland, CO 80538  
cdieken@eanalyticslab.com

**Requested TAT: 2 days;**

**Date Received: 08/25/2021**

**Date Logged: 08/25/2021**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
2108D59-001	Sample #1 North Wall 16ft (4604-1)	Soil	8/16/2021 16:00	<input type="checkbox"/>	A	A											
2108D59-002	Sample #2 South Wall 14ft (4604-2)	Soil	8/16/2021 16:00	<input type="checkbox"/>	A	A											
2108D59-003	Sample #3 East Wall 16ft (4604-3)	Soil	8/16/2021 16:00	<input type="checkbox"/>	A	A											
2108D59-004	Sample #4 West Wall 16ft (4604-4)	Soil	8/16/2021 16:00	<input type="checkbox"/>	A	A											
2108D59-005	Sample #5 Floor-175 ft (4604-5)	Soil	8/16/2021 16:00	<input type="checkbox"/>	A	A											
2108D59-006	Sample #6 Background 6ft (4604-6)	Soil	8/16/2021 16:00	<input type="checkbox"/>	A	A											
2108D59-007	Sample #7 Background 175ft (4604-7)	Soil	8/16/2021 16:00	<input type="checkbox"/>	A	A											

**Test Legend:**

1	ASMS_6020_TTLC_S	2	PRDisposal Fee	3		4	
5		6		7		8	
9		10		11		12	

**Project Manager: Rosa Venegas**

**Prepared by: Agustina Venegas**

**Comments:**

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days). Hazardous samples will be returned to client or disposed of at client expense.



### WORK ORDER SUMMARY

**Client Name:** EANALYTICS LABORATORY

**Project:** Summit Midstream/B8E

**Work Order:** 2108D59

**Client Contact:** Chris Dieken

**QC Level:** LEVEL 2

**Contact's Email:** cdieken@eanalyticlab.com; trhea@eanalyticlab.com

**Comments:**

**Date Logged:** 8/25/2021

WaterTrax     WriteOn     EDF     Excel     EQUIS     Email     HardCopy     ThirdParty     J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
001A	Sample #1 North Wall 16ft (4604-1)	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	8/16/2021 16:00	2 days	8/27/2021		<input type="checkbox"/>	
002A	Sample #2 South Wall 14ft (4604-2)	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	8/16/2021 16:00	2 days	8/27/2021		<input type="checkbox"/>	
003A	Sample #3 East Wall 16ft (4604-3)	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	8/16/2021 16:00	2 days	8/27/2021		<input type="checkbox"/>	
004A	Sample #4 West Wall 16ft (4604-4)	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	8/16/2021 16:00	2 days	8/27/2021		<input type="checkbox"/>	
005A	Sample #5 Floor-175 ft (4604-5)	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	8/16/2021 16:00	2 days	8/27/2021		<input type="checkbox"/>	
006A	Sample #6 Background 6ft (4604-6)	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	8/16/2021 16:00	2 days	8/27/2021		<input type="checkbox"/>	
007A	Sample #7 Background 175ft (4604-7)	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	8/16/2021 16:00	2 days	8/27/2021		<input type="checkbox"/>	

**NOTES:** \* STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.





## Sample Receipt Checklist

Client Name: **eAnalytics Laboratory**  
 Project: **Summit Midstream/B8E**

Date and Time Received: **8/25/2021 10:18**  
 Date Logged: **8/25/2021**

WorkOrder No: **2108D59** Matrix: Soil  
 Carrier: FedEx

Received by: **Agustina Venegas**  
 Logged by: **Agustina Venegas**

### Chain of Custody (COC) Information

- |   |   |  |  |
|---|---|--|--|
| Chain of custody present?                               | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| Chain of custody agrees with sample labels?             | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| Sample IDs noted by Client on COC?                      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| Date and Time of collection noted by Client on COC?     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| Sampler's name noted on COC?                            | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |  |
| COC agrees with Quote?                                  | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/> |

### Sample Receipt Information

- |  |   |                             |  |
|--|---|-----------------------------|--|
| Custody seals intact on shipping container/cooler? | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Custody seals intact on sample bottles?            | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Shipping container/cooler in good condition?       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Samples in proper containers/bottles?              | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sample containers intact?                          | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| Sufficient sample volume for indicated test?       | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |

### Sample Preservation and Hold Time (HT) Information

- |   |   |                             |                             |
|---|---|-----------------------------|-----------------------------|
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| Samples Received on Ice?                  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |                             |

(Ice Type: WET ICE )

- |  |   |                             |  |
|--|---|-----------------------------|--|
| Sample/Temp Blank temperature  |   | Temp: 4.3°C                 | NA <input type="checkbox"/>            |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Sample labels checked for correct preservation?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |  |
| pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)? | Yes <input type="checkbox"/>            | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

UCMR Samples:

- |  |                              |                             |  |
|--|------------------------------|-----------------------------|--|
| pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?                                     | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |

Comments:



# McC Campbell Analytical, Inc.

"When Quality Counts"

## Analytical Report

**WorkOrder:** 2108D59 A

**Report Created for:** eAnalytics Laboratory  
4130 Clydesdale Parkway  
Loveland, CO 80538

**Project Contact:** Chris Dieken  
**Project P.O.:**  
**Project:** Summit Midstream/B8E

**Project Received:** 08/25/2021

Analytical Report reviewed & approved for release on 09/07/2021 by:

Angela Rydelius  
Laboratory Manager

*The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.*





## Glossary of Terms & Qualifier Definitions

**Client:** eAnalytics Laboratory  
**Project:** Summit Midstream/B8E  
**WorkOrder:** 2108D59 A

### Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



## Analytical Report

**Client:** eAnalytics Laboratory  
**Date Received:** 08/25/2021 10:18  
**Date Prepared:** 08/31/2021  
**Project:** Summit Midstream/B8E

**WorkOrder:** 2108D59  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/Kg

### Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
Sample #5 Floor-175 ft (4604-5): RE	2108D59-005B	Soil	08/16/2021 16:00	ICP-MS4 113SMPL.d	228785

Analytes	Result	RL	DF	Date Analyzed
Arsenic	7.7	0.50	1	09/01/2021 10:35

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	111	70-130	09/01/2021 10:35

**Analyst(s):** WV



## Quality Control Report

**Client:** eAnalytics Laboratory  
**Date Prepared:** 08/31/2021  
**Date Analyzed:** 08/31/2021  
**Instrument:** ICP-MS5  
**Matrix:** Soil  
**Project:** Summit Midstream/B8E

**WorkOrder:** 2108D59  
**BatchID:** 228785  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/kg  
**Sample ID:** MB/LCS/LCSD-228785

### QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.140	0.500	-	-	-
<b>Surrogate Recovery</b>						
Terbium	539			500	108	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	48.8	47.7	50	98	95	75-125	2.28	20
<b>Surrogate Recovery</b>								
Terbium	526	516	500	105	103	70-130	1.75	20



1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 2108D59 A

ClientCode: EACO

- WaterTrax   
  WriteOn   
  EDF   
  EQuIS   
  Dry-Weight   
  Email   
  HardCopy   
  ThirdParty   
  J-flag  
 Detection Summary   
  Excel

**Report to:**

Chris Dieken  
eAnalytics Laboratory  
4130 Clydesdale Parkway  
Loveland, CO 80538  
970-667-6975    FAX:

Email: cdieken@eanalyticslab.com; trhea@eanaly  
cc/3rd Party:  
PO:  
Project: Summit Midstream/B8E

**Bill to:**

Chris Dieken  
eAnalytics Laboratory  
4130 Clydesdale Parkway  
Loveland, CO 80538  
cdieken@eanalyticslab.com

**Requested TAT: 5 days;**

**Date Received: 08/25/2021**

**Date Logged: 08/25/2021**

**Date Add-On: 08/31/2021**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)													
					1	2	3	4	5	6	7	8	9	10	11	12		
2108D59-005	Sample #5 Floor-175 ft (4604-5): RE	Soil	8/16/2021 16:00	<input type="checkbox"/>	B													

**Test Legend:**

1	ASMS_6020_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

**Project Manager: Rosa Venegas**

**Prepared by: Agustina Venegas**

**Add-On Prepared By: Valerie Alfaro**

**Comments:** RE for sample 005 for Arsenic STAT 8/31/2021.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).  
Hazardous samples will be returned to client or disposed of at client expense.



## WORK ORDER SUMMARY

**Client Name:** EANALYTICS LABORATORY

**Project:** Summit Midstream/B8E

**Work Order:** 2108D59

**Client Contact:** Chris Dieken

**QC Level:** LEVEL 2

**Contact's Email** cdieken@eanalyticslab.com; trhea@eanalyticslab.com

**Comments:** RE for sample 005 for Arsenic STAT 8/31/2021.

**Date Logged:** 8/25/2021

**Date Add-On:** 8/31/2021

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
005B	Sample #5 Floor-175 ft (4604-5): RE	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	8/16/2021 16:00	5 days	9/8/2021		<input type="checkbox"/>	

**NOTES:** \* STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

 <b>McCAMPBELL ANALYTICAL, INC.</b> 1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701 Telephone: (877) 252-9262 / Fax: (925) 252-9269 www.mccampbell.com      main@mccampbell.com						<b>CHAIN OF CUSTODY RECORD</b>																																																																																																																																																																								
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Company: eAnalytics Lab						<table border="1" style="width:100%; height: 200px;"> <tr> <td style="width: 20px; text-align: center;">Total As</td> <td style="background-color: yellow; text-align: center;">RE for AS STAT</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>						Total As	RE for AS STAT																																																																																																																																																																	
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<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">SAMPLE ID Location / Field Point</th> <th colspan="2">Sampling</th> <th rowspan="2">#Containers</th> <th rowspan="2">Matrix</th> <th rowspan="2">Preservative</th> <th rowspan="2">Total As</th> <th colspan="10"></th> </tr> <tr> <th>Date</th> <th>Time</th> <th colspan="10"></th> </tr> </thead> <tbody> <tr> <td>Sample #1 North Wall 16ft (4604-1)</td> <td>8/16</td> <td>16:00</td> <td>1</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Sample #2 South Wall 14ft (4604-2)</td> <td>8/16</td> <td>16:00</td> <td>1</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Sample #3 East Wall 16ft (4604-3)</td> <td>8/16</td> <td>16:00</td> <td>1</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Sample #4 West Wall 16ft (4604-4)</td> <td>8/16</td> <td>16:00</td> <td>1</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Sample #5 floor - 17.5ft (4604-5)</td> <td>8/16</td> <td>16:00</td> <td>1</td> <td>S</td> <td>1</td> <td>X</td> <td style="background-color: yellow;">X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Sample #6 background 6ft (4604-6)</td> <td>8/16</td> <td>16:00</td> <td>1</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Sample #7 background 17.5ft (4604-7)</td> <td>8/16</td> <td>16:00</td> <td>1</td> <td>S</td> <td>1</td> <td>X</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>						SAMPLE ID Location / Field Point	Sampling		#Containers	Matrix	Preservative	Total As											Date	Time											Sample #1 North Wall 16ft (4604-1)	8/16	16:00	1	S	1	X														Sample #2 South Wall 14ft (4604-2)	8/16	16:00	1	S	1	X														Sample #3 East Wall 16ft (4604-3)	8/16	16:00	1	S	1	X														Sample #4 West Wall 16ft (4604-4)	8/16	16:00	1	S	1	X														Sample #5 floor - 17.5ft (4604-5)	8/16	16:00	1	S	1	X	X													Sample #6 background 6ft (4604-6)	8/16	16:00	1	S	1	X														Sample #7 background 17.5ft (4604-7)	8/16	16:00	1	S	1	X													
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MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.																																																																																																																																																																														
* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.																																																																																																																																																																														
Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.																																																																																																																																																																														
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Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other  
 Preservative Code: 1=4°C    2=HCl    3=H<sub>2</sub>SO<sub>4</sub>    4=HNO<sub>3</sub>    5=NaOH    6=ZnOAc/NaOH    7=None

Temp 4.3 °C      Initials WET  
 Page \_\_\_ of \_\_\_

FEDEX: 774611776190



# McC Campbell Analytical, Inc.

"When Quality Counts"

## Analytical Report

**WorkOrder:** 2108D59 B

**Report Created for:** eAnalytics Laboratory  
4130 Clydesdale Parkway  
Loveland, CO 80538

**Project Contact:** Chris Dieken  
**Project P.O.:**  
**Project:** Summit Midstream/B8E

**Project Received:** 08/25/2021

Analytical Report reviewed & approved for release on 09/10/2021 by:

Jennifer Lagerbom  
Project Manager

*The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.*





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**Project:** Summit Midstream/B8E  
**WorkOrder:** 2108D59 B

### Glossary Abbreviation

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MSD	Matrix Spike Duplicate
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RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



# Analytical Report

**Client:** eAnalytics Laboratory  
**Date Received:** 08/25/2021 10:18  
**Date Prepared:** 09/09/2021  
**Project:** Summit Midstream/B8E

**WorkOrder:** 2108D59  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/Kg

## Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RE 2nd Sample #5 Floor-175 ft (4604-5)	2108D59-005C	Soil	08/16/2021 16:00	ICP-MS5 118SMPL.d	229341

Analytes	Result	RL	DF	Date Analyzed
Arsenic	5.9	0.50	1	09/10/2021 10:46

Surrogates	REC (%)	Limits	Date Analyzed
Terbium	112	70-130	09/10/2021 10:46

Analyst(s): AL



## Quality Control Report

**Client:** eAnalytics Laboratory  
**Date Prepared:** 09/09/2021  
**Date Analyzed:** 09/10/2021  
**Instrument:** ICP-MS4  
**Matrix:** Soil  
**Project:** Summit Midstream/B8E

**WorkOrder:** 2108D59  
**BatchID:** 229341  
**Extraction Method:** SW3050B  
**Analytical Method:** SW6020  
**Unit:** mg/kg  
**Sample ID:** MB/LCS/LCSD-229341

### QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.140	0.500	-	-	-
<b>Surrogate Recovery</b>						
Terbium	570			500	114	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	49.5	49.8	50	99	100	75-125	0.469	20
<b>Surrogate Recovery</b>								
Terbium	550	544	500	110	109	70-130	1.28	20

1534 Willow Pass Rd  
Pittsburg, CA 94565-1701  
(925) 252-9262



# CHAIN-OF-CUSTODY RECORD

WorkOrder: 2108D59 **B**

ClientCode: EACO

- WaterTrax   
  WriteOn   
  EDF   
  EQuIS   
  Dry-Weight   
  Email   
  HardCopy   
  ThirdParty   
  J-flag  
 Detection Summary   
  Excel

**Report to:**  
Chris Dieken  
eAnalytics Laboratory  
4130 Clydesdale Parkway  
Loveland, CO 80538  
970-667-6975    FAX:

**Email:**    cdieken@eanalyticslab.com; trhea@eanaly  
**cc/3rd Party:** mray@eanalyticslab.com;  
**PO:**  
**Project:**    Summit Midstream/B8E

**Bill to:**  
Chris Dieken  
eAnalytics Laboratory  
4130 Clydesdale Parkway  
Loveland, CO 80538  
cdieken@eanalyticslab.com

**Requested TAT:**    **1 day;**  
  
**Date Received:**    **08/25/2021**  
**Date Logged:**    **08/25/2021**  
**Date Add-On:**    **09/09/2021**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
2108D59-005	RE 2nd Sample #5 Floor-175 ft (4604-5)	Soil	8/16/2021 16:00	<input type="checkbox"/>	C												

**Test Legend:**

1	ASMS_6020_TTLC_S	2		3		4	
5		6		7		8	
9		10		11		12	

**Project Manager: Rosa Venegas**

**Prepared by: Agustina Venegas**

**Add-On Prepared By: Maria Venegas**

**Comments:**    RE for sample 005 for Arsenic STAT 8/31/2021.revised the addon invoice JEL no charge b/c very different data 9-9-21 2nd RE for As 005 9/9/21 Rush No Charge.

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).  
Hazardous samples will be returned to client or disposed of at client expense.



### WORK ORDER SUMMARY

**Client Name:** EANALYTICS LABORATORY

**Project:** Summit Midstream/B8E

**Work Order:** 2108D59

**Client Contact:** Chris Dieken

**QC Level:** LEVEL 2

**Contact's Email:** cdieken@eanalyticslab.com; trhea@eanalyticslab.com

**Comments:** RE for sample 005 for Arsenic STAT 8/31/2021.revised the addon invoice JEL no charge b/c very different data 9-9-21 2nd RE for As 005 09/09/21 Bulk No Charge

**Date Logged:** 8/25/2021

**Date Add-On:** 9/9/2021

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	SubOut
005C	RE 2nd Sample #5 Floor-175 ft (4604-5)	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	<input type="checkbox"/>	<input type="checkbox"/>	8/16/2021 16:00	1 day	9/10/2021		<input type="checkbox"/>	

**NOTES:** \* STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

# RUSH

MAI Work Order # 2108DS9

 <b>McCAMPBELL ANALYTICAL, INC.</b> 1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701 Telephone: (877) 252-9262 / Fax: (925) 252-9269 www.mccampbell.com      main@mccampbell.com						<b>CHAIN OF CUSTODY RECORD</b>																																																																																																																																																								
						Turn Around Time: 1 Day Rush		2 Day Rush		<input checked="" type="checkbox"/> 3 Day Rush		STD		Quote #																																																																																																																																																
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Report To: eAnalytics Lab      Bill To: cdieken@eanalyticlab.com						<b>Analysis Requested</b>																																																																																																																																																								
Company: eAnalytics Lab						<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 20px;">Total As</td> <td style="width: 20px;">RE for AS STAT</td> <td style="width: 20px;">Re-Extract As</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>						Total As	RE for AS STAT	Re-Extract As																																																																																																																																																
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SAMPLE ID Location / Field Point		Sampling Date      Time		#Containers	Matrix	Preservative																																																																																																																																																								
Sample #1 North Wall 16ft (4604-1)		8/16      16:00		1	S	1																																																																																																																																																								
Sample #2 South Wall 14ft (4604-2)		8/16      16:00		1	S	1																																																																																																																																																								
Sample #3 East Wall 16ft (4604-3)		8/16      16:00		1	S	1																																																																																																																																																								
Sample #4 West Wall 16ft (4604-4)		8/16      16:00		1	S	1																																																																																																																																																								
Sample #5 floor-17.5ft (4604-5)		8/16      16:00		1	S	1		X	X																																																																																																																																																					
Sample #6 background 6ft (4604-6)		8/16      16:00		1	S	1																																																																																																																																																								
Sample #8 background 17.5ft (4604-7)		8/16      16:00		1	S	1																																																																																																																																																								

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

\* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.  
 Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
<i>J. Miller / eAnalytics</i>	8/23/21	3:30P	<i>[Signature]</i>	8/25/21	10:18

Comments / Instructions  
**Added 8/31/21**  
**Added 9/9/21 RUSH**  
**No Charge**

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other  
 Preservative Code: 1=4°C    2=HCl    3=H<sub>2</sub>SO<sub>4</sub>    4=HNO<sub>3</sub>    5=NaOH    6=ZnOAc/NaOH    7=None

Temp 4.3 °C      Initials \_\_\_\_\_

FEDEX: 774611776190

*WET*

Page \_\_\_ of \_\_\_