

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 03, 2021

Jeremy Pike

Entrada Consulting Group

240 Mesa Avenue

Grand Junction., CO 81501

RE: Butler USA (Rem #18958)

Work Order #2110420

Enclosed are the results of analyses for samples received by Summit Scientific on 10/25/21 15:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Muri Premer". The signature is written in a cursive style with a large initial "M" and a long, sweeping underline.

Muri Premer For Paul Shrewsbury
President



Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Butler USA (Rem #18958)

Project Number: 021-129
Project Manager: Jeremy Pike

Reported:
11/03/21 17:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB04-2	2110420-01	Soil	10/22/21 09:15	10/25/21 15:45
SB05-2	2110420-02	Soil	10/22/21 09:20	10/25/21 15:45
SB06-2	2110420-03	Soil	10/22/21 09:25	10/25/21 15:45
SB01-2	2110420-04	Soil	10/22/21 09:30	10/25/21 15:45

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Summit Scientific

2110420

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 (f)

Client: Entrada Consulting Group

Project Manager: Jeremy Pike

Address: 1843 Sunlight Dr.

E-Mail: jpike@entradainc.com

City/State/Zip: Longmont, CO 80504

Phone: 303.378.4036

Project Name: Butler USA (Rem # 18958)

Sampler Name: Jeremy Pike

Project Number: 021-129

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested					Special Instructions		
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEX (8260)	TPH - GRO (8260)	TPH - DRO/GRO (8015)	EC	pH		SAR	
1	SB04-2	10/22/21	0915	1			X			X				X	X	X				
2	SB05-2	↓	0920	↓										↓	↓	↓				
3	SB06-2	↓	0925	↓										↓	↓	↓				
4	SB01-2	↓	0930	↓										↓	↓	↓				
5																				
6																				
7																				
8																				
9																				
10																				
Relinquished by: <i>Jeremy</i>		Date/Time: 10/25/21 1543		Received by: <i>J. Pike</i>		Date/Time: 10/25/21 15:45		Turn Around Time (Check) Same Day ___ 72 hours ___ 24 hours ___ Standard <input checked="" type="checkbox"/> 48 hours ___					Notes:							
Relinquished by:		Date/Time:		Received by:		Date/Time:		Sample Integrity: 9.6°C												
Relinquished by:		Date/Time:		Received by:		Date/Time:		Temperature Upon Receipt: ___												
								Samples Intact: <input checked="" type="checkbox"/> Yes No												

S₂

2110420

Sample Receipt Checklist

S2 Work Order# _____

Client: Entrada Consulting Client Project ID: Butler USA Rem #18958

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____

Matrix (check all that apply): Air Soil/Solid Water Other: _____ (Describe)

Temp (°C) 9.6

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ice
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

Jmo
Custodian Printed Name or Initials

10/25/21
Date/Time



Entrada Consulting Group
240 Mesa Avenue
Grand Junction, CO, 81501

Project: Butler USA (Rem #18958)

Project Number: 021-129
Project Manager: Jeremy Pike

Reported:
11/03/21 17:17

SB04-2
2110420-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/22/21 09:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BEJ0592	10/28/21	10/29/21	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **10/22/21 09:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		79.4 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		99.0 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.8 %		21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/22/21 09:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BEJ0593	10/28/21	10/28/21	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **10/22/21 09:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl		100 %		30-150		"	"	"	"	

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 240 Mesa Avenue
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Project: Butler USA (Rem #18958)

Project Number: 021-129
 Project Manager: Jeremy Pike

Reported:
 11/03/21 17:17

SB05-2
2110420-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/22/21 09:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BEJ0592	10/28/21	10/29/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **10/22/21 09:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		78.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.1 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/22/21 09:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BEJ0593	10/28/21	10/29/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **10/22/21 09:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		102 %	30-150		"	"	"	"	

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240 Mesa Avenue
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Project: Butler USA (Rem #18958)

Project Number: 021-129
Project Manager: Jeremy Pike

Reported:
11/03/21 17:17

SB06-2
2110420-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/22/21 09:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BEJ0592	10/28/21	10/29/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **10/22/21 09:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		77.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.9 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/22/21 09:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BEJ0593	10/28/21	10/29/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **10/22/21 09:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		105 %	30-150		"	"	"	"	

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240 Mesa Avenue
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Project: Butler USA (Rem #18958)

Project Number: 021-129
Project Manager: Jeremy Pike

Reported:
11/03/21 17:17

SB01-2
2110420-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **10/22/21 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BEJ0592	10/28/21	10/29/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **10/22/21 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		79.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.2 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **10/22/21 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BEJ0593	10/28/21	10/29/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **10/22/21 09:30**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		113 %	30-150		"	"	"	"	

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Project: Butler USA (Rem #18958)

Project Number: 021-129
Project Manager: Jeremy Pike

Reported:
11/03/21 17:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source	%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BEJ0592 - EPA 5030 Soil MS

Blank (BEJ0592-BLK1)

Prepared: 10/28/21 Analyzed: 10/29/21

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0251		"	0.0400		62.7	23-173			
Surrogate: Toluene-d8	0.0380		"	0.0400		94.9	20-170			
Surrogate: 4-Bromofluorobenzene	0.0333		"	0.0400		83.2	21-167			

LCS (BEJ0592-BS1)

Prepared: 10/28/21 Analyzed: 10/29/21

Benzene	0.0556	0.0020	mg/kg	0.0750		74.2	70-130			
Toluene	0.0915	0.0050	"	0.0750		122	70-130			
Ethylbenzene	0.0740	0.0050	"	0.0750		98.7	70-130			
m,p-Xylene	0.140	0.010	"	0.150		93.2	70-130			
o-Xylene	0.0629	0.0050	"	0.0750		83.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0316		"	0.0400		79.1	23-173			
Surrogate: Toluene-d8	0.0416		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0367		"	0.0400		91.7	21-167			

Matrix Spike (BEJ0592-MS1)

Source: 2110387-01

Prepared: 10/28/21 Analyzed: 10/29/21

Benzene	0.0572	0.0020	mg/kg	0.0750	ND	76.3	70-130			
Toluene	0.127	0.0050	"	0.0750	0.0656	82.0	70-130			
Ethylbenzene	0.0712	0.0050	"	0.0750	ND	95.0	70-130			
m,p-Xylene	0.137	0.010	"	0.150	ND	91.1	70-130			
o-Xylene	0.0629	0.0050	"	0.0750	ND	83.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0332		"	0.0400		83.0	23-173			
Surrogate: Toluene-d8	0.0405		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400		93.8	21-167			

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Project Number: 021-129
 Project Manager: Jeremy Pike

Reported:
 11/03/21 17:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source	%REC			RPD	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

Batch BEJ0592 - EPA 5030 Soil MS

Matrix Spike Dup (BEJ0592-MSD1)	Source: 2110387-01			Prepared: 10/28/21 Analyzed: 10/29/21						
Benzene	0.0597	0.0020	mg/kg	0.0750	ND	79.6	70-130	4.31	30	
Toluene	0.130	0.0050	"	0.0750	0.0656	85.3	70-130	1.96	30	
Ethylbenzene	0.0738	0.0050	"	0.0750	ND	98.4	70-130	3.48	30	
m,p-Xylene	0.140	0.010	"	0.150	ND	93.0	70-130	2.15	30	
o-Xylene	0.0649	0.0050	"	0.0750	ND	86.5	70-130	3.10	30	
Surrogate: 1,2-Dichloroethane-d4	0.0334		"	0.0400		83.6	23-173			
Surrogate: Toluene-d8	0.0416		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0379		"	0.0400		94.7	21-167			

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Project: Butler USA (Rem #18958)

Project Number: 021-129
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Reported:
 11/03/21 17:17

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch BEJ0593 - EPA 3550A

Blank (BEJ0593-BLK1)

Prepared & Analyzed: 10/28/21

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							

LCS (BEJ0593-BS1)

Prepared & Analyzed: 10/28/21

C10-C28 (DRO)	408	50	mg/kg	500	81.7	70-130				
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Matrix Spike (BEJ0593-MS1)

Source: 2110387-01

Prepared & Analyzed: 10/28/21

C10-C28 (DRO)	443	50	mg/kg	500	39.0	80.7	70-130			
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Matrix Spike Dup (BEJ0593-MSD1)

Source: 2110387-01

Prepared & Analyzed: 10/28/21

C10-C28 (DRO)	430	50	mg/kg	500	39.0	78.1	70-130	3.03	20	
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Project: Butler USA (Rem #18958)

Project Number: 021-129
Project Manager: Jeremy Pike

Reported:
11/03/21 17:17

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference