

# 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, reading "Muri Premer", on a light blue background.

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

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

# Summit Scientific

S<sub>2</sub>

2110420

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

Page 1 of 1

Client: Entrada Consulting Group

Project Manager: Jeremy Pike

Address: 1843 Sunlight Dr.

E-Mail: [jpike@entradainc.com](mailto: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	HNO <sub>3</sub>	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:	Date/Time:	Received by:	Date/Time:	Turn Around Time (Check)	Notes:
<i>[Signature]</i>	10/25/21 1543			Same Day _____ 72 hours _24	
				hours _____ Standard X _____ 48	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity:	
		<i>[Signature]</i> OL	10/25/21 15:45	9.6°C	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Temperature Upon Receipt:	
				Samples Intact: (Yes) No	

S<sub>2</sub>

2110420

## Sample Receipt Checklist

S2 Work Order#

Client: Entrada Consulting Client Project ID: Butler USA Rem #18958Shipped 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 <sup>(1)</sup> ? 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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact <sup>(1)</sup> ?	<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 <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	<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) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? 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):

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.Jmo  
Custodian Printed Name or Initials10/25/21  
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		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 09:15**

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

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

**SB05-2**  
**2110420-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

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

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 09:20**

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

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

**SB06-2**  
**2110420-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

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

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 09:25**

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

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

**SB01-2**  
**2110420-04 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

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

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 09:30**

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

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.





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

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### 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			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Summit Scientific**

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

**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			

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



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

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**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
---------------	-----	----	-------	-----	------	--------

**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
---------------	-----	----	-------	-----	------	------	--------

**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
---------------	-----	----	-------	-----	------	------	--------	------	----

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



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

### 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