

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403


303.277.9310

October 14, 2021

Brent Hedstrom  
Crestone Peak Resources  
2020 E. Grand Avenue, Suite 515  
Laramie, WY 82070  
RE: Dreamweaver 3H-21H South  
Work Order #2110112

Enclosed are the results of analyses for samples received by Summit Scientific on 10/07/21 08:43. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Muri Premier", is displayed on a light purple rectangular background.

Muri Premier For Paul Shrewsbury  
President



Crestone Peak Resources  
2020 E. Grand Avenue, Suite 515  
Laramie WY, 82070

Project: Dreamweaver 3H-21H South  
Project Number: [none]  
Project Manager: Brent Hedstrom

**Reported:**  
10/14/21 12:16

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Surface Casing	2110112-01	Water	09/15/21 12:09	10/07/21 08:43

Summit Scientific

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# Summit Scientific 2110112

*S<sub>2</sub>*

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: Crestone Peak Resources

Project Manager: Brent Hedstrom

Address: 10188 East I-25 Frontage road

E-Mail: [brent.hedstrom@crestonepr.com](mailto:brent.hedstrom@crestonepr.com)

City/State/Zip: Firestone, CO 80504


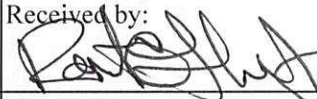
Phone: 303-434-3007

Project Name: Dream Weaver 3H-21H South

Sampler Name:

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Anion	Cations	TDS	BTEX 8020	DRO	GRO	RSK-175		
1	Surface casing	9/15/2021		2					X				X	X	X	X	X	X	X	COGCC 457511	
2																			LOE C81103 8503		
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Relinquished by: 	Date/Time: 10/7/21 8:43 AM	Received by: 	Date/Time: 10-7-21 8:43	<b>Turn Around Time</b> (Check) Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/>	<b>Notes:</b>
Relinquished by:	Date/Time:	Received by:	Date/Time:	<b>Sample Integrity:</b> Temperature Upon Receipt: 10.5 Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

S<sub>2</sub>

2110112

## Sample Receipt Checklist

S2 Work Order# \_\_\_\_\_

Client: Crestone Peak Resources Client Project ID: Dream Weaver 3H-2H South.Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other \_\_\_\_\_ Airbill #: \_\_\_\_\_Matrix (check all that apply): ☐ Air ☐ Soil/Solid ☒ Water ☐ Other: \_\_\_\_\_  
(Describe)

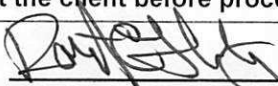
Temp (°C)

10.5

Thermometer ID: 61857155-K

	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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.
  
 Custodian Printed Name or Initials

 10-7-21  
 Date/Time



Crestone Peak Resources  
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Laramie WY, 82070

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Project Number: [none]  
Project Manager: Brent Hedstrom

**Reported:**  
10/14/21 12:16

**Surface Casing**  
**2110112-01 (Water)**

**Summit Scientific**

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

Date Sampled: **09/15/21 12:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	17000	10000	ug/l	10000	BEJ0156	10/08/21	10/10/21	EPA 8260B	
Toluene	110000	10000	"	"	"	"	"	"	
Ethylbenzene	37000	10000	"	"	"	"	"	"	
Xylenes (total)	290000	20000	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	300000000	5000000	"	"	"	"	"	"	

Date Sampled: **09/15/21 12:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		211 %	23-173		"	"	"	"	S-02
Surrogate: Toluene-d8		81.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **09/15/21 12:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1300000	50	mg/L	10	BEJ0154	10/08/21	10/09/21	EPA 8015M	

Date Sampled: **09/15/21 12:09**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		947 %	58.9-148		"	"	"	"	S-02

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10/14/21 12:16

## 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 BEJ0156 - EPA 5030 Water MS

##### Blank (BEJ0156-BLK1)

Prepared: 10/08/21 Analyzed: 10/09/21

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Gasoline Range Hydrocarbons	ND	500	"							
Surrogate: 1,2-Dichloroethane-d4	13.8		"	13.3		104	23-173			
Surrogate: Toluene-d8	13.6		"	13.3		102	20-170			
Surrogate: 4-Bromofluorobenzene	13.2		"	13.3		98.9	21-167			

##### LCS (BEJ0156-BS1)

Prepared: 10/08/21 Analyzed: 10/09/21

Benzene	41.8	1.0	ug/l	50.0		83.5	70-130			
Toluene	45.5	1.0	"	50.0		91.0	70-130			
Ethylbenzene	47.5	1.0	"	50.0		95.0	70-130			
m,p-Xylene	93.1	2.0	"	100		93.1	70-130			
o-Xylene	48.8	1.0	"	50.0		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	12.3		"	13.3		92.2	23-173			
Surrogate: Toluene-d8	12.9		"	13.3		97.1	20-170			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		95.7	21-167			

##### Matrix Spike (BEJ0156-MS1)

Source: 2110105-02

Prepared: 10/08/21 Analyzed: 10/09/21

Benzene	38.8	1.0	ug/l	50.0	ND	77.5	70-130			
Toluene	42.7	1.0	"	50.0	ND	85.3	70-130			
Ethylbenzene	40.3	1.0	"	50.0	ND	80.6	70-130			
m,p-Xylene	79.6	2.0	"	100	ND	79.6	70-130			
o-Xylene	41.4	1.0	"	50.0	ND	82.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.3		100	23-173			
Surrogate: Toluene-d8	14.3		"	13.3		107	20-170			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.0	21-167			

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**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 BEJ0156 - EPA 5030 Water MS**

Matrix Spike Dup (BEJ0156-MSD1)	Source: 2110105-02			Prepared: 10/08/21 Analyzed: 10/10/21						
Benzene	43.1	1.0	ug/l	50.0	ND	86.2	70-130	10.5	30	
Toluene	48.5	1.0	"	50.0	ND	96.9	70-130	12.8	30	
Ethylbenzene	45.0	1.0	"	50.0	ND	90.0	70-130	11.0	30	
m,p-Xylene	88.8	2.0	"	100	ND	88.8	70-130	11.0	30	
o-Xylene	46.7	1.0	"	50.0	ND	93.4	70-130	11.9	30	
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.3		102	23-173			
Surrogate: Toluene-d8	14.4		"	13.3		108	20-170			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.6	21-167			

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10/14/21 12:16

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

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

**Batch BEJ0154 - EPA 3520B**

**Blank (BEJ0154-BLK1)**

Prepared & Analyzed: 10/08/21

C10-C28 (DRO) ND 5.0 mg/L

**LCS (BEJ0154-BS1)**

Prepared & Analyzed: 10/08/21

C10-C28 (DRO) 55.6 5.0 mg/L 50.0 111 70-130

**LCS Dup (BEJ0154-BSD1)**

Prepared & Analyzed: 10/08/21

C10-C28 (DRO) 59.6 5.0 mg/L 50.0 119 70-130 7.06 20

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**Reported:**  
10/14/21 12:16

### Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
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