

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

July 26, 2021

Brent Hedstrom

Crestone Peak Resources

2020 E. Grand Avenue, Suite 515

Laramie, WY 82070

RE: Echeverria 2L-2H

Work Order #2107142

Enclosed are the results of analyses for samples received by Summit Scientific on 07/12/21 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "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: Echeverria 2L-2H  
Project Number: [none]  
Project Manager: Brent Hedstrom

**Reported:**  
07/26/21 10:26

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Surface Casing	2107142-01	Water	07/09/21 08:00	07/12/21 17:00

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>

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

2107142

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

COGCC 459169 LOE C82440 8503

Phone: 303-434-3007

Project Name: Echeverria 2L-2H

Sampler Name:

Project Number:

					Preservative				Matrix				Analysis Requested								Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Anion	Cations	TDS	BTEX 8020	DRO	GRO	RSK-175		
1	Surface Casing	7/9/2021	8:00	1									X	X	X	X	X	X	X		
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Relinquished by: 	Date/Time: 7-12-21 930	Received by: 	Date/Time: 7/12/21 1700	<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>Sample Integrity:</b> Temperature Upon Receipt: 12 Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	<b>Notes:</b>
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by:	Date/Time:		

## Sample Receipt Checklist

S2 Work Order

**2107142**Client: Crestone

Client Project ID:

Echeverria 2L-24Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

☒ ☐ ☐ ☐ ☐

Matrix (check all that apply):

☐ Air☐ Soil/Solid☐ Water☒ Other:Surface Casing

(Describe)

Temp (°C)

12

Thermometer ID: 61857155-K

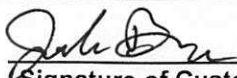
	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C <sup>(1)</sup> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<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, H2SO4, NaOH, HNO3, ect	<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.

JB

Custodian Printed Name or Initials



Signature of Custodian

7/12/21

Date/Time



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

Project: Echeverria 2L-2H  
Project Number: [none]  
Project Manager: Brent Hedstrom

**Reported:**  
07/26/21 10:26

**Surface Casing**  
**2107142-01 (Water)**

**Summit Scientific**

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

Date Sampled: **07/09/21 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	1600	1000	ug/l	1000	BEG0266	07/15/21	07/16/21	EPA 8260B	
Toluene	30000	1000	"	"	"	"	"	"	
Ethylbenzene	4800	1000	"	"	"	"	"	"	
Xylenes (total)	38000	2000	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	110000000	500000	"	"	"	"	"	"	

Date Sampled: **07/09/21 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	137 %	23-173			"	"	"	"	
Surrogate: Toluene-d8	205 %	20-170			"	"	"	"	S-02
Surrogate: 4-Bromofluorobenzene	81.6 %	21-167			"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **07/09/21 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1000000	5.0	mg/L	1	BEG0222	07/13/21	07/16/21	EPA 8015M	

Date Sampled: **07/09/21 08:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	716 %	58.9-148			"	"	"	"	S-02

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.



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

Project: Echeverria 2L-2H  
Project Number: [none]  
Project Manager: Brent Hedstrom

**Reported:**  
07/26/21 10:26

## 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 BEG0266 - EPA 5030 Water MS

##### Blank (BEG0266-BLK1)

Prepared & Analyzed: 07/15/21

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	9.63		"	13.3		72.2	23-173			
Surrogate: Toluene-d8	17.3		"	13.3		129	20-170			
Surrogate: 4-Bromofluorobenzene	13.6		"	13.3		102	21-167			

##### LCS (BEG0266-BS1)

Prepared: 07/15/21 Analyzed: 07/16/21

Benzene	26.2	1.0	ug/l	33.3		78.5	70-130			
Toluene	29.4	1.0	"	33.3		88.3	70-130			
Ethylbenzene	30.7	1.0	"	33.3		92.2	70-130			
m,p-Xylene	59.1	2.0	"	66.7		88.7	70-130			
o-Xylene	29.2	1.0	"	33.3		87.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	6.27		"	13.3		47.0	23-173			
Surrogate: Toluene-d8	14.9		"	13.3		112	20-170			
Surrogate: 4-Bromofluorobenzene	12.4		"	13.3		93.3	21-167			

##### LCS Dup (BEG0266-BSD1)

Prepared: 07/15/21 Analyzed: 07/16/21

Benzene	26.1	1.0	ug/l	33.3		78.4	70-130	0.191	20	
Toluene	30.3	1.0	"	33.3		90.8	70-130	2.88	20	
Ethylbenzene	31.6	1.0	"	33.3		94.8	70-130	2.86	20	
m,p-Xylene	60.9	2.0	"	66.7		91.4	70-130	2.98	20	
o-Xylene	30.0	1.0	"	33.3		90.1	70-130	2.77	20	
Surrogate: 1,2-Dichloroethane-d4	7.20		"	13.3		54.0	23-173			
Surrogate: Toluene-d8	14.5		"	13.3		109	20-170			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.4	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.



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

Project: Echeverria 2L-2H  
Project Number: [none]  
Project Manager: Brent Hedstrom

**Reported:**  
07/26/21 10:26

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

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

**Batch BEG0222 - EPA 3520B**

**Blank (BEG0222-BLK1)**

Prepared: 07/13/21 Analyzed: 07/15/21

C10-C28 (DRO) ND 5.0 mg/L

**LCS (BEG0222-BS1)**

Prepared: 07/13/21 Analyzed: 07/15/21

C10-C28 (DRO) 48.0 5.0 mg/L 50.0 95.9 70-130

**LCS Dup (BEG0222-BS1)**

Prepared: 07/13/21 Analyzed: 07/15/21

C10-C28 (DRO) 47.2 5.0 mg/L 50.0 94.3 70-130 1.67 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.*



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

Project: Echeverria 2L-2H  
Project Number: [none]  
Project Manager: Brent Hedstrom

**Reported:**  
07/26/21 10:26

### 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