

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

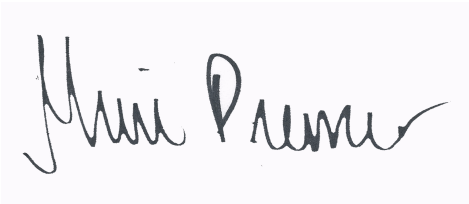
303.277.9310

June 17, 2021

Brent Hedstrom
Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie, WY 82070
RE: Barclay Crisman 2-8-20
Work Order #2105462

Enclosed are the results of analyses for samples received by Summit Scientific on 05/27/21 17:15. 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



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

Project: Barclay Crisman 2-8-20

Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
06/17/21 13:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Surface Casing	2105462-01	Water	05/17/21 00:00	05/27/21 17:15

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2105462



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

Client: Crestone Peak Resources	Project Manager: Brent Hedstrom
Address: 10188 East I-25 Frontage road	E-Mail: brent.hedstrom@crestonepr.com
City/State/Zip: Firestone, CO 80504	LOE W34314 8503
Phone: 303-434-3007	Project Name: Barclay Crisman 2-8-20
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	5/17/2021		2										X	X	X	X	X	X	X	COGCC 286080
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Relinquished by:	Date/Time: 5/27/21 9AM	Received by:	Date/Time: 5/25/21 1715	Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/>	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity: Temperature Upon Receipt: 25 Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

2105462

Sample Receipt Checklist

S2 Work Order _____

Client: Crestone Client Project ID: Barclay Crisman 2-8-20

Shipped 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)	<u>25</u>
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Thermometer ID: 61857155-K

	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 provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>On ice.</u>
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, ect	<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.

JB
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

5/27/21
Date/Time



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Project: Barclay Crisman 2-8-20

Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
06/17/21 13:41

Surface Casing
2105462-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

R-01

Date Sampled: **05/17/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	25000	1000	ug/l	1000	BEE0554	05/29/21	05/31/21	EPA 8260B	
Toluene	ND	1000	"	"	"	"	"	"	
Ethylbenzene	270000	1000	"	"	"	"	"	"	
Xylenes (total)	280000	2000	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	130000000	500000	"	"	"	"	"	"	

Date Sampled: **05/17/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		444 %	23-173		"	"	"	"	S-01
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		1280 %	21-167		"	"	"	"	S-01

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/17/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	250000	50	mg/L	10	BEF0182	06/08/21	06/09/21	EPA 8015M	

Date Sampled: **05/17/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		547 %	58.9-148		"	"	"	"	

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Reported:
06/17/21 13:41

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 BEE0554 - EPA 5030 Water MS

Blank (BEE0554-BLK1)

Prepared: 05/29/21 Analyzed: 05/30/21

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	10.7		"	13.3		80.5	23-173			
Surrogate: Toluene-d8	13.0		"	13.3		97.6	20-170			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		100	21-167			

LCS (BEE0554-BS1)

Prepared: 05/29/21 Analyzed: 05/30/21

Benzene	41.1	1.0	ug/l	33.3		123	70-130			
Toluene	40.3	1.0	"	33.3		121	70-130			
Ethylbenzene	32.9	1.0	"	33.3		98.6	70-130			
m,p-Xylene	64.9	2.0	"	66.7		97.3	70-130			
o-Xylene	34.0	1.0	"	33.3		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	11.5		"	13.3		86.3	23-173			
Surrogate: Toluene-d8	14.5		"	13.3		109	20-170			
Surrogate: 4-Bromofluorobenzene	14.2		"	13.3		106	21-167			

Matrix Spike (BEE0554-MS1)

Source: 2105412-01

Prepared: 05/29/21 Analyzed: 05/31/21

Benzene	40.9	1.0	ug/l	33.3	ND	123	70-130			
Toluene	38.7	1.0	"	33.3	ND	116	70-130			
Ethylbenzene	34.1	1.0	"	33.3	ND	102	70-130			
m,p-Xylene	66.3	2.0	"	66.7	ND	99.5	70-130			
o-Xylene	34.9	1.0	"	33.3	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	11.5		"	13.3		86.1	23-173			
Surrogate: Toluene-d8	13.2		"	13.3		99.2	20-170			
Surrogate: 4-Bromofluorobenzene	14.1		"	13.3		106	21-167			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

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

Batch BEE0554 - EPA 5030 Water MS

Matrix Spike Dup (BEE0554-MSD1)	Source: 2105412-01			Prepared: 05/29/21 Analyzed: 05/31/21					
Benzene	40.5	1.0	ug/l	33.3	ND	122	70-130	0.983	30
Toluene	38.6	1.0	"	33.3	ND	116	70-130	0.0776	30
Ethylbenzene	33.4	1.0	"	33.3	ND	100	70-130	2.04	30
m,p-Xylene	64.0	2.0	"	66.7	ND	96.0	70-130	3.61	30
o-Xylene	33.8	1.0	"	33.3	ND	101	70-130	3.23	30
Surrogate: 1,2-Dichloroethane-d4	11.9		"	13.3		89.5	23-173		
Surrogate: Toluene-d8	13.2		"	13.3		99.0	20-170		
Surrogate: 4-Bromofluorobenzene	14.4		"	13.3		108	21-167		

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Project Number: [none]
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Extractable Petroleum Hydrocarbons by 8015 - Quality Control
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Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch BEF0182 - EPA 3520B

Blank (BEF0182-BLK1)

Prepared: 06/08/21 Analyzed: 06/09/21

C10-C28 (DRO) ND 5.0 mg/L

LCS (BEF0182-BS1)

Prepared: 06/08/21 Analyzed: 06/09/21

C10-C28 (DRO) 57.8 5.0 mg/L 50.0 116 70-130

Matrix Spike (BEF0182-MS1)

Source: 2105467-01

Prepared: 06/08/21 Analyzed: 06/09/21

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

Matrix Spike Dup (BEF0182-MSD1)

Source: 2105467-01

Prepared: 06/08/21 Analyzed: 06/09/21

C10-C28 (DRO) 61.8 5.0 mg/L 50.0 ND 124 70-130 3.66 20

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Project Number: [none]
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Reported:
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Notes and Definitions

- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
- R-01 The Reporting Limit for this analyte has been raised to account for matrix interference.
- 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