

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

July 13, 2021

Brent Hedstrom

Crestone Peak Resources

2020 E. Grand Avenue, Suite 515

Laramie, WY 82070

RE: Regnier Farms 1G-19H COGCC 451036

Work Order #2106373

Enclosed are the results of analyses for samples received by Summit Scientific on 06/18/21 16:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "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: Regnier Farms 1G-19H COGCC 451036

Project Number: [none]  
Project Manager: Brent Hedstrom

**Reported:**  
07/13/21 10:09

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Surface Casing	2106373-01	Water	05/18/21 00:00	06/18/21 16:05

Summit Scientific

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# Summit Scientific

2106373

S<sub>2</sub>

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 C82447 8503 / COGCC 451036

Phone: 303-434-3007

Project Name: Regnier Farms 1G-19H

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	5/18/2021		2										X	X	X	X	X	X	X		
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Relinquished by: <i>BS</i>	Date/Time: 6/18/21 0844	Received by: <i>John B...</i>	Date/Time: 6/18/21 1605	Turn Around Time (Check)	Notes:
				Same Day <input type="checkbox"/>	
				24 hours <input type="checkbox"/>	
				48 hours <input type="checkbox"/>	72 hours <input type="checkbox"/>
				Standard <input checked="" type="checkbox"/>	
				Sample Integrity:	
				Temperature Upon Receipt: 21	
				Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	

2106373

Sample Receipt Checklist

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

Client: Crestone Client Project ID: Regnier Farms 16-19H

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)	21
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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 <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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HNO <sub>3</sub>
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.

JRB  
Custodian Printed Name or Initials

[Signature]  
Signature of Custodian

6/18/21  
Date/Time



Crestone Peak Resources  
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Project: Regnier Farms 1G-19H COGCC 451036

Project Number: [none]  
Project Manager: Brent Hedstrom

**Reported:**  
07/13/21 10:09

**Surface Casing**  
**2106373-01 (Water)**

**Summit Scientific**

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

Date Sampled: **05/18/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>56000</b>	1000	ug/l	1000	BEF0420	06/19/21	07/08/21	EPA 8260B	
<b>Toluene</b>	<b>200000</b>	1000	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>39000</b>	1000	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>390000</b>	2000	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>180000000</b>	5000000	"	10000	"	"	"	"	

Date Sampled: **05/18/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		152 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		163 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/18/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>630000</b>	50	mg/L	10	BEF0563	06/28/21	07/09/21	EPA 8015M	

Date Sampled: **05/18/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		796 %	58.9-148		"	"	"	"	

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Project Number: [none]  
Project Manager: Brent Hedstrom

**Reported:**  
07/13/21 10:09

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

#### Summit Scientific

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

#### Batch BEF0420 - EPA 5030 Water MS

##### Blank (BEF0420-BLK1)

Prepared & Analyzed: 06/19/21

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	12.1		"	13.3		90.7		23-173			
Surrogate: Toluene-d8	10.6		"	13.3		79.4		20-170			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		101		21-167			

##### LCS (BEF0420-BS1)

Prepared & Analyzed: 06/19/21

Benzene	27.3	1.0	ug/l	33.3		81.8		70-130			
Toluene	25.0	1.0	"	33.3		75.0		70-130			
Ethylbenzene	27.6	1.0	"	33.3		82.9		70-130			
m,p-Xylene	54.2	2.0	"	66.7		81.4		70-130			
o-Xylene	26.4	1.0	"	33.3		79.4		70-130			
Surrogate: 1,2-Dichloroethane-d4	9.93		"	13.3		74.5		23-173			
Surrogate: Toluene-d8	10.6		"	13.3		79.4		20-170			
Surrogate: 4-Bromofluorobenzene	10.9		"	13.3		81.9		21-167			

##### Matrix Spike (BEF0420-MS1)

Source: 2106305-01

Prepared & Analyzed: 06/19/21

Benzene	27.7	1.0	ug/l	33.3	ND	83.1		70-130			
Toluene	24.9	1.0	"	33.3	ND	74.8		70-130			
Ethylbenzene	27.9	1.0	"	33.3	ND	83.8		70-130			
m,p-Xylene	55.0	2.0	"	66.7	ND	82.6		70-130			
o-Xylene	26.5	1.0	"	33.3	ND	79.5		70-130			
Surrogate: 1,2-Dichloroethane-d4	9.79		"	13.3		73.4		23-173			
Surrogate: Toluene-d8	10.6		"	13.3		79.4		20-170			
Surrogate: 4-Bromofluorobenzene	10.8		"	13.3		81.2		21-167			

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 Project Manager: Brent Hedstrom

**Reported:**  
 07/13/21 10:09

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

**Summit Scientific**

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

**Batch BEF0420 - EPA 5030 Water MS**

**Matrix Spike Dup (BEF0420-MSD1)**

Source: 2106305-01

Prepared & Analyzed: 06/19/21

Benzene	27.3	1.0	ug/l	33.3	ND	81.9	70-130	1.42	30	
Toluene	24.1	1.0	"	33.3	ND	72.4	70-130	3.22	30	
Ethylbenzene	27.3	1.0	"	33.3	ND	81.8	70-130	2.32	30	
m,p-Xylene	54.9	2.0	"	66.7	ND	82.3	70-130	0.328	30	
o-Xylene	26.4	1.0	"	33.3	ND	79.3	70-130	0.302	30	
Surrogate: 1,2-Dichloroethane-d4	9.97		"	13.3		74.8	23-173			
Surrogate: Toluene-d8	10.5		"	13.3		78.5	20-170			
Surrogate: 4-Bromofluorobenzene	10.7		"	13.3		80.0	21-167			

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**Reported:**  
 07/13/21 10:09

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

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

**Batch BEF0563 - EPA 3520B**

**Blank (BEF0563-BLK1)**

Prepared: 06/28/21 Analyzed: 06/29/21

C10-C28 (DRO) ND 5.0 mg/L

**LCS (BEF0563-BS1)**

Prepared: 06/28/21 Analyzed: 06/29/21

C10-C28 (DRO) 56.0 5.0 mg/L 50.0 112 70-130

**LCS Dup (BEF0563-BSD1)**

Prepared: 06/28/21 Analyzed: 06/29/21

C10-C28 (DRO) 64.6 5.0 mg/L 50.0 129 70-130 14.3 20

**Matrix Spike (BEF0563-MS1)**

Source: 2106341-01

Prepared: 06/28/21 Analyzed: 06/29/21

C10-C28 (DRO) 55.1 5.0 mg/L 50.0 2.73 105 70-130

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**Reported:**  
07/13/21 10:09

### 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