

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 15, 2021

Brent Hedstrom

Crestone Peak Resources

2020 E. Grand Avenue, Suite 515

Laramie, WY 82070

RE: Dreamweaver South 3E-21H-N268

Work Order #2109023

Enclosed are the results of analyses for samples received by Summit Scientific on 09/01/21 08:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury

President



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

Project: Dreamweaver South 3E-21H-N268

Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
09/15/21 12:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Surface Casing	2109023-01	Water	08/16/21 00:00	09/01/21 08:50

Summit Scientific

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2109023

Summit Scientific

S₂

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 C81100 8503/ COGCC 457513
Phone: 303-434-3007	Project Name: Dream Weaver South 3E-21H-N268
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	8/16/2021		2										X	X	X	X	X	X	X		
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Relinquished by: 	Date/Time: 9/1/21 8:50A	Received by: 	Date/Time: 9-1-21 8:50	Turn Around Time (Check)	Notes:
				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"/>	
				Sample Integrity:	
				Temperature Upon Receipt: 3.4	
				Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	

Sample Receipt Checklist

S2 Work Order 2109023

Client: CRESTONE Client Project ID DREAM WEAVER SOUTH 3E-21H-N2408

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____

Matrix (check all that apply): Air Soil/Solid Water Other: _____
(Describe)

Temp (°C)	3.4
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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.	x			
Were all samples received intact ⁽¹⁾ ?	x			
Was adequate sample volume provided ⁽¹⁾ ?	x			
If custody seals are present, are they intact ⁽¹⁾ ?			x	
Are samples with holding times due within 48 hours sample due within 48 hours present?	x			ANIONS
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	x			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	x			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	x			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	x			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			x	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			x	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.			x	
If dissolved metals are requested, were samples field filtered?			x	

Additional Comments (if any):

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.

Muri P.
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

9-1-21
Date/Time



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 Laramie WY, 82070

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Project Number: [none]
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 09/15/21 12:08

Surface Casing
2109023-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/16/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	17000	1000	ug/l	1000	BEI0088	09/03/21	09/10/21	EPA 8260B	
Toluene	73000	10000	"	10000	"	"	"	"	
Ethylbenzene	14000	1000	"	1000	"	"	"	"	
Xylenes (total)	270000	20000	"	10000	"	"	"	"	
Gasoline Range Hydrocarbons	280000000	5000000	"	"	"	"	"	"	

Date Sampled: **08/16/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		191 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		84.0 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		128 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **08/16/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	930000	50	mg/L	10	BEI0091	09/03/21	09/09/21	EPA 8015M	

Date Sampled: **08/16/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		1350 %	58.9-148		"	"	"	"	

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Project Number: [none]
Project Manager: Brent Hedstrom

Reported:
09/15/21 12:08

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 BEI0088 - EPA 5030 Water MS

Blank (BEI0088-BLK1)

Prepared: 09/03/21 Analyzed: 09/04/21

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	11.3		"	13.3		84.8	23-173				
Surrogate: Toluene-d8	12.1		"	13.3		90.6	20-170				
Surrogate: 4-Bromofluorobenzene	13.7		"	13.3		103	21-167				

LCS (BEI0088-BS1)

Prepared: 09/03/21 Analyzed: 09/04/21

Benzene	26.3	1.0	ug/l	33.3		78.8	70-130				
Toluene	29.5	1.0	"	33.3		88.4	70-130				
Ethylbenzene	34.5	1.0	"	33.3		104	70-130				
m,p-Xylene	70.8	2.0	"	66.7		106	70-130				
o-Xylene	35.2	1.0	"	33.3		106	70-130				
Surrogate: 1,2-Dichloroethane-d4	10.7		"	13.3		80.4	23-173				
Surrogate: Toluene-d8	11.8		"	13.3		88.6	20-170				
Surrogate: 4-Bromofluorobenzene	12.1		"	13.3		90.5	21-167				

Matrix Spike (BEI0088-MS1)

Source: 2109011-01

Prepared: 09/03/21 Analyzed: 09/04/21

Benzene	27.3	1.0	ug/l	33.3	ND	81.8	70-130				
Toluene	30.3	1.0	"	33.3	ND	91.0	70-130				
Ethylbenzene	33.7	1.0	"	33.3	ND	101	70-130				
m,p-Xylene	68.7	2.0	"	66.7	ND	103	70-130				
o-Xylene	34.7	1.0	"	33.3	ND	104	70-130				
Surrogate: 1,2-Dichloroethane-d4	12.0		"	13.3		90.1	23-173				
Surrogate: Toluene-d8	11.9		"	13.3		89.4	20-170				
Surrogate: 4-Bromofluorobenzene	11.9		"	13.3		89.6	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 BEI0088 - EPA 5030 Water MS

Matrix Spike Dup (BEI0088-MSD1)

Source: 2109011-01

Prepared: 09/03/21 Analyzed: 09/04/21

Benzene	27.2	1.0	ug/l	33.3	ND	81.5	70-130	0.441	30	
Toluene	29.8	1.0	"	33.3	ND	89.4	70-130	1.80	30	
Ethylbenzene	34.3	1.0	"	33.3	ND	103	70-130	1.82	30	
m,p-Xylene	69.4	2.0	"	66.7	ND	104	70-130	0.927	30	
o-Xylene	34.9	1.0	"	33.3	ND	105	70-130	0.604	30	
Surrogate: 1,2-Dichloroethane-d4	12.0		"	13.3		90.4	23-173			
Surrogate: Toluene-d8	11.9		"	13.3		89.6	20-170			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		90.2	21-167			

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Reported:
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Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BEI0091 - EPA 3520B

Blank (BEI0091-BLK1)

Prepared: 09/03/21 Analyzed: 09/10/21

C10-C28 (DRO) ND 5.0 mg/L

Duplicate (BEI0091-DUP1)

Source: 2109021-01

Prepared: 09/03/21 Analyzed: 09/10/21

C10-C28 (DRO) 13.2 5.0 mg/L 11.7 12.1 200

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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