

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

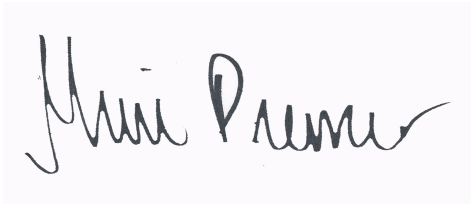
303.277.9310

February 15, 2021

Brent Hedstrom
Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
Laramie, WY 82070
RE: Anderson Trust 2A
Work Order #2102074

Enclosed are the results of analyses for samples received by Summit Scientific on 02/04/21 09:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink on a light blue background. The signature reads "Muri Premer" in a cursive script.

Muri Premer For Paul Shrewsbury
President



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

Project: Anderson Trust 2A
Project Number: COGCC 244296
Project Manager: Brent Hedstrom

Reported:
02/15/21 11:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Surface Casing	2102074-01	Water	01/28/21 00:00	02/04/21 09:50

Summit Scientific

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S₂

2102074

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

City/State/Zip: Firestone, CO 80504


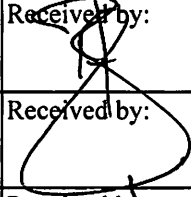
Phone: 303-434-3007

Project Name: Anderson Trust 2A COGCC 244296

Sampler Name:

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions	
					HCl	HNO ₃	None	Other	Water	Soil	Air-Canister #	Other	Anion	Cations	TDS	BTEX 8020	DRO	GRO	RSK-175			
1	Surface Casing	1/28/2021		2										X	X	X	X	X	X	X	X	AFE 16192292 Code 9728
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Relinquished by: 	Date/Time: 2-4-21 550AM	Received by: 	Date/Time: 02/04/2021 9:50	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"/> Sample Integrity: Temperature Upon Receipt: _____ Samples Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by:	Date/Time:		

Sample Receipt Checklist

S2 Work Order 2102074

Client: CRESTONE PEAK Client Project ID: ANDERON TRUST 2A

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

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

Temp (°C)	3.7
-----------	-----

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

Additional Comments (if any):

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

RZ

 Custodian Printed Name or Initials



 Signature of Custodian

2/4/21

 Date/Time



Crestone Peak Resources
2020 E. Grand Avenue, Suite 515
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Project: Anderson Trust 2A
Project Number: COGCC 244296
Project Manager: Brent Hedstrom

Reported:
02/15/21 11:10

Surface Casing
2102074-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/28/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	5.1	1.0	ug/l	1	BEB0117	02/08/21	02/08/21	EPA 8260B	
Toluene	15	1.0	"	"	"	"	"	"	
Ethylbenzene	1.6	1.0	"	"	"	"	"	"	
Xylenes (total)	13	2.0	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	500	"	"	"	"	"	"	

Date Sampled: **01/28/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	105 %	23-173	"	"	"	"	"	"	
Surrogate: Toluene-d8	97.4 %	20-170	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	94.7 %	21-167	"	"	"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/28/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	5.0	mg/L	1	BEB0118	02/08/21	02/09/21	EPA 8015M	

Date Sampled: **01/28/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	112 %	58.9-148	"	"	"	"	"	"	

Dissolved Gases by RSK-175

Date Sampled: **01/28/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Methane	1.4	0.10	mg/L	10	BEB0099	02/05/21	02/08/21	RSK-175 mod	
Ethane	0.023	0.010	"	1	"	"	"	"	
Propane	0.056	0.010	"	"	"	"	"	"	

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Reported:
02/15/21 11:10

Surface Casing
2102074-01 (Water)

Summit Scientific

Dissolved Gases by RSK-175

Date Sampled: **01/28/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: Ethene		103 %	70-130		BEB0099	02/05/21	02/08/21	RSK-175 mod	

Total Metals by EPA Method 200.8

Date Sampled: **01/28/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	5580	500	ug/l	10	BEB0130	02/09/21	02/10/21	EPA 200.8	
Magnesium	529	500	"	"	"	"	"	"	
Potassium	13100	500	"	"	"	"	"	"	
Sodium	1600000	500	"	"	"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **01/28/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	1950	30.0	mg/L	500	BEB0127	02/09/21	02/09/21	EPA 300.0	
Sulfate	262000	150	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **01/28/21 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	1950	10.0	mg/L	1	BEB0145	02/10/21	02/10/21	SM2540C	I-03

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Project: Anderson Trust 2A
Project Number: COGCC 244296
Project Manager: Brent Hedstrom

Reported:
02/15/21 11:10

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 BEB0117 - EPA 5030 Water MS

Blank (BEB0117-BLK1)

Prepared: 02/08/21 Analyzed: 02/09/21

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Gasoline Range Hydrocarbons	ND	500	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	18.7		"	13.3		141	23-173			
<i>Surrogate: Toluene-d8</i>	11.7		"	13.3		87.7	20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	13.4		"	13.3		100	21-167			

LCS (BEB0117-BS1)

Prepared: 02/08/21 Analyzed: 02/09/21

Benzene	38.4	1.0	ug/l	33.3		115	70-130			
Toluene	34.2	1.0	"	33.3		103	70-130			
Ethylbenzene	40.2	1.0	"	33.3		120	70-130			
m,p-Xylene	66.0	2.0	"	66.7		99.0	70-130			
o-Xylene	38.2	1.0	"	33.3		114	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	18.2		"	13.3		136	23-173			
<i>Surrogate: Toluene-d8</i>	11.8		"	13.3		88.1	20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	13.6		"	13.3		102	21-167			

Matrix Spike (BEB0117-MS1)

Source: 2102107-02

Prepared: 02/08/21 Analyzed: 02/09/21

Benzene	38.6	1.0	ug/l	33.3	ND	116	70-130			
Toluene	35.1	1.0	"	33.3	ND	105	70-130			
Ethylbenzene	41.3	1.0	"	33.3	ND	124	70-130			
m,p-Xylene	66.7	2.0	"	66.7	ND	100	70-130			
o-Xylene	39.0	1.0	"	33.3	ND	117	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	18.5		"	13.3		139	23-173			
<i>Surrogate: Toluene-d8</i>	11.9		"	13.3		89.5	20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	13.8		"	13.3		103	21-167			

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 Laramie WY, 82070

Project: Anderson Trust 2A
 Project Number: COGCC 244296
 Project Manager: Brent Hedstrom

Reported:
 02/15/21 11:10

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch BEB0117 - EPA 5030 Water MS

Matrix Spike Dup (BEB0117-MSD1)	Source: 2102107-02			Prepared: 02/08/21 Analyzed: 02/09/21						
Benzene	38.6	1.0	ug/l	33.3	ND	116	70-130	0.104	30	
Toluene	35.2	1.0	"	33.3	ND	106	70-130	0.540	30	
Ethylbenzene	40.4	1.0	"	33.3	ND	121	70-130	2.06	30	
m,p-Xylene	65.5	2.0	"	66.7	ND	98.2	70-130	1.88	30	
o-Xylene	38.1	1.0	"	33.3	ND	114	70-130	2.26	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>19.2</i>		<i>"</i>	<i>13.3</i>		<i>144</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>12.1</i>		<i>"</i>	<i>13.3</i>		<i>91.0</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>13.8</i>		<i>"</i>	<i>13.3</i>		<i>104</i>	<i>21-167</i>			

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Reported:
 02/15/21 11:10

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 BEB0118 - EPA 3520B

Blank (BEB0118-BLK1)

Prepared: 02/08/21 Analyzed: 02/09/21

C10-C28 (DRO) ND 5.0 mg/L

LCS (BEB0118-BS1)

Prepared: 02/08/21 Analyzed: 02/09/21

C10-C28 (DRO) 46.1 5.0 mg/L 50.0 92.3 70-130

LCS Dup (BEB0118-BSD1)

Prepared: 02/08/21 Analyzed: 02/09/21

C10-C28 (DRO) 41.9 5.0 mg/L 50.0 83.7 70-130 9.69 20

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Project Number: COGCC 244296
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Reported:
02/15/21 11:10

Dissolved Gases by RSK-175 - Quality Control
Summit Scientific

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

Batch BEB0099 - GC

Blank (BEB0099-BLK1)

Prepared: 02/05/21 Analyzed: 02/08/21

Methane	ND	0.010	mg/L							
Ethane	ND	0.010	"							
Propane	ND	0.010	"							
Surrogate: Ethene	0.0383		"	0.0364		105	70-130			

LCS (BEB0099-BS1)

Prepared: 02/05/21 Analyzed: 02/08/21

Methane	0.030	0.010	mg/L	0.0428		71.3	70-130			
Ethane	0.10	0.010	"	0.0798		126	70-130			
Propane	0.17	0.010	"	0.139		120	70-130			
Surrogate: Ethene	0.0723		"	0.0728		99.3	70-130			

Duplicate (BEB0099-DUP1)

Source: 2102074-01

Prepared: 02/05/21 Analyzed: 02/09/21

Methane	1.3	1.0	mg/L		1.4			9.38	30	
Ethane	0.022	0.010	"		0.023			4.94	30	
Propane	0.054	0.010	"		0.056			3.99	30	
Surrogate: Ethene	0.0352		"	0.0364		96.7	70-130			

Matrix Spike (BEB0099-MS1)

Source: 2102074-01

Prepared: 02/05/21 Analyzed: 02/08/21

Methane	1.9	0.10	mg/L	0.0428	1.4	NR	70-130			QM-05
Ethane	0.11	0.010	"	0.0798	0.023	106	70-130			
Propane	0.24	0.010	"	0.139	0.056	130	70-130			
Surrogate: Ethene	0.0760		"	0.0728		104	70-130			

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Project: Anderson Trust 2A
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Reported:
02/15/21 11:10

Total Metals by EPA Method 200.8 - Quality Control
Summit Scientific

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

Batch BEB0130 - EPA 200.8

Blank (BEB0130-BLK1)

Prepared & Analyzed: 02/09/21

Calcium	ND	50.0	ug/l							
Magnesium	ND	50.0	"							
Potassium	ND	50.0	"							
Sodium	ND	50.0	"							

LCS (BEB0130-BS1)

Prepared & Analyzed: 02/09/21

Calcium	4750	50.0	ug/l	5000		94.9	85-115			
Magnesium	4570	50.0	"	5000		91.5	85-115			
Potassium	4270	50.0	"	5000		85.3	85-115			
Sodium	4460	50.0	"	5000		89.1	85-115			

Duplicate (BEB0130-DUP1)

Source: 2102118-01

Prepared & Analyzed: 02/09/21

Calcium	85800	50.0	ug/l		81000			5.71	20	
Magnesium	36700	50.0	"		36400			0.983	20	
Potassium	23800	50.0	"		23500			1.19	20	
Sodium	23400	50.0	"		23700			1.56	20	

Matrix Spike (BEB0130-MS1)

Source: 2102118-01

Prepared & Analyzed: 02/09/21

Calcium	80600	50.0	ug/l	5000	81000	NR	70-130			QM-01
Magnesium	37400	50.0	"	5000	36400	21.3	70-130			QM-01
Potassium	24300	50.0	"	5000	23500	16.2	70-130			QM-01
Sodium	24400	50.0	"	5000	23700	13.5	70-130			QM-01

Matrix Spike Dup (BEB0130-MSD1)

Source: 2102118-01

Prepared & Analyzed: 02/09/21

Calcium	81100	50.0	ug/l	5000	81000	1.48	70-130	0.646	25	QM-01
Magnesium	37600	50.0	"	5000	36400	25.2	70-130	0.526	25	QM-01
Potassium	24200	50.0	"	5000	23500	13.6	70-130	0.535	25	QM-01
Sodium	25200	50.0	"	5000	23700	28.3	70-130	3.00	25	QM-01

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Anions by EPA Method 300.0 - Quality Control
Summit Scientific

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

Batch BEB0127 - General Preparation

Blank (BEB0127-BLK1)

Prepared & Analyzed: 02/09/21

Chloride	ND	0.0600	mg/L						
Sulfate	ND	0.300	"						

LCS (BEB0127-BS1)

Prepared & Analyzed: 02/09/21

Sulfate	14.2	0.300	mg/L	15.0	94.4	90-110		
Chloride	2.94	0.0600	"	3.00	98.0	90-110		

Duplicate (BEB0127-DUP1)

Source: 2102032-05

Prepared & Analyzed: 02/09/21

Chloride	494	12.0	mg/L		545		9.86	20
Sulfate	1080	60.0	"		1190		9.82	20

Matrix Spike (BEB0127-MS1)

Source: 2102032-05

Prepared & Analyzed: 02/09/21

Chloride	1240	12.0	mg/L	600	545	116	80-120	
Sulfate	4400	60.0	"	3000	1190	107	80-120	

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Total Dissolved Solids by SM2540C - Quality Control

Summit Scientific

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

Batch BEB0145 - General Preparation

Blank (BEB0145-BLK1)

Prepared & Analyzed: 02/10/21

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BEB0145-DUP1)

Source: 2102074-01

Prepared & Analyzed: 02/10/21

Total Dissolved Solids 1940 10.0 mg/L 1950 0.360 20

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Reported:
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Notes and Definitions

- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
- QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- I-03 This sample was recieved and analyzed outside of the recommended holding time.
- 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