

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 25, 2021

Blair Rollins  
Caerus Oil & Gas  
143 Diamond Ave.  
Parachute, CO 81635

RE: D23A

Work Order #2103252

Enclosed are the results of analyses for samples received by Summit Scientific on 03/16/21 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', written in a cursive style.

Paul Shrewsbury  
President

$S_2$ 

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310

Project Manager: Blair Rollins

Page 1 of 1

E-Mail: brollins@caerusoil&Gas.com

Remediation@confluence-cc.com

Project Name: 023A

Project Number:

www.s2scientific.com

2103252

## Sample Receipt Checklist

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

Client: Caerus 1.com Client Project ID: D23A

Shipped Via: H.D./P.U./FedEx/DPS/USPS/Other \_\_\_\_\_ Airbill #: \_\_\_\_\_

Matrix (check all that apply): \_\_\_\_\_ Air ☒ Soil/Solid \_\_\_\_\_ Water \_\_\_\_\_ Other: \_\_\_\_\_  
(Describe)

Temp (°C)	4.9
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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"/>			on ice
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation <b>(excluding cooling)</b> <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.			<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?			<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.

Custodian Printed Name or Initials

Signature of Custodian

3-16-21 1030  
Date/Time

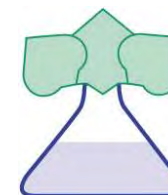


# American Agricultural Laboratory, Inc.

700 West D Street / PO Box 370 / McCook, Nebraska 69001

Office: 308-345-3670 / FAX: 308-345-7880

www.AmAgLab.com



20491

SUMMIT SCIENTIFIC

4653 TABLE MOUNTAIN DRIVE, SUITE B

GOLDEN CO 80403

NAME : 2103252

DATE RECEIVED: 03/19/2021

DATE REPORTED: 03/25/2021

## SOIL TEST RESULTS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH		EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA)		PHOSPHORUS				
				1 : 1 Soil	Buffer Woodruff				ppm	lbs/A	P1 ppm	Bicarb ppm	P2 ppm	M2 ppm	M3 ppm
3326708	BACKGROUND N AT 18		0-18												
3326709	BACKGROUND E AT 16		0-16												
3326710	BACKGROUND S AT 14		0-14												

LAB NUMBER	SULFATE-S Ca-P ppm	NH4OAc (Exchangeable)				DTPA				BORON Sorbitol ppm	EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION					
		K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm			BASE	H	Ca	Mg	K	Na
3326708																	
3326709																	
3326710																	

LAB NUMBER	SOLUBLE (SAT. EXT.)			SODIUM ADSORPTION RATIO (SAR)	EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS				CHLORIDE		EXCH. NH4-N		ALUMINUM ppm	TOTAL N %
	Ca me/L	Mg me/L	Na me/L				SAND %	SILT %	CLAY %	SOIL TEXTURE	ppm	lbs/A	ppm	lbs/A		
3326708	4.70	2.38	0.87	0.46	1	0										
3326709	3.99	1.68	0.52	0.31	1	0										
3326710	4.56	2.03	0.68	0.37	1	0										

## SUGGESTED FERTILIZER RECOMMENDATIONS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE GROWN	YIELD GOAL	N	P2O5	K2O	S	Zn	MgO	Fe	Mn	Cu	B	Cl	LIME REC 60% ECCE T/A
3326708	BACKGROUND N AT 18															
3326709	BACKGROUND E AT 16															
3326710	BACKGROUND S AT 14															

Approved By: Kevin Grooms

Analysis By: American Agricultural Lab

Recommendations By: American Agricultural Lab

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*"Analysis You Can Grow With"®*



SUMMIT SCIENTIFIC  
4653 TABLE MOUNTAIN DRIVE SUITE B  
GOLDEN, CO 80403

ACCOUNT NO: 20491  
DATE RECEIVED: 03/19/2021  
DATE REPORTED: 03/23/2021

## SATURATED PASTE EXTRACT ANALYSIS

Lab No.	Grower	Sample ID	Depth inches	pH s.u.	Soluble Salts mmhos/cm
3326708	2103252	BACKGROUND_N@18"	0-18	8.1	0.53
3326709	2103252	BACKGROUND_N@16"	0-16	8.0	0.99
3329710	2103252	BACKGROUND_N@14"	0-14	8.0	0.27

By: Electronically Approved Kevin Grooms

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SUMMIT SCIENTIFIC  
4653 TABLE MOUNTAIN DRIVE, SUITE B  
GOLDEN, CO 80403

DATE RECEIVED: 03/19/2021  
DATE REPORTED: 03/29/2021  
ACCOUNT NO: 20491

## MANURE HEAVY METAL ANALYSIS

Lab #	Grower	Sample ID	As, mg/kg
			As-Received Basis
3326708	2103252	BACKGROUND N@18	8.99
3326709	2103252	BACKGROUND N@16	20.78
3326710	2103252	BACKGROUND N@14	14.67

A handwritten signature in black ink, appearing to be "D. Am".

Project:

Project Number:

Project Manager:

**Reported:****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

